EKATI MINE

2024 AEMP Part 1 – Annual Report

Appendix A: 2024 Data Report

April 2025

BURGUNDY
DIAMOND MINES

ERM

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1. Introduction

The 2024 Data Report provides tabular summaries of Aquatic Effects Monitoring Program (AEMP) monitoring data collected at the Ekati Diamond Mine (Ekati Mine) during the 2024 AEMP monitoring period (October 2023 to September 2024), thereby complying with Water Licence W2022L2-0001 (Schedule 8, Condition 3(b)).

This appendix includes:

- A summary of the AEMP sampling plan and monitoring completed in 2024;
- Deviations from approved AEMP methods in 2024;
- AEMP data collected during the 2024 monitoring period (October 2023 to September 2024);
- A summary of meteorological data collected during the 2024 AEMP monitoring period; and
- A discussion of any outliers detected in the 2024 AEMP dataset that were removed prior to Evaluation of Effects.

2. Summary of the 2024 AEMP Field Program

2.1 Sampling Plan

The 2024 field program was executed based on the Plan (ERM 2023a, 2024a). In 2024, Construction of the Point Lake Open Pit commenced in May and AEMP monitoring for the Point Lake Development (PLD) Lakes was initiated during the 2024 open-water season as per the 2023 to 2025 Aquatic Effects Monitoring Program Design Plan, Version 8.1 (the Plan; ERM 2023a, 2024a). Sampling in 2024 is outlined in Tables 2.1-1 to 2.1-3. As per the Plan (ERM 2023a, 2024a), not all components are monitored annually at every sampling site. Monitoring not completed in 2024 included:

- Physical limnology and water quality for Grizzly Lake, which is monitored every three years, the next scheduled sampling at Grizzly Lake is in 2026;
- Sediment quality, which is monitored every three years, the next scheduled sampling for sediment quality is in 2026;
- Phytoplankton in Fay Bay, which is monitored every three years, the next scheduled sampling for phytoplankton in Fay Bay is in 2026; and
- Lake and stream benthos in Koala Watershed lakes and Lac de Gras, which are monitored every three years with the exception of Leslie Lake and Moose-Nero Stream that are monitored annually, the next scheduled sampling is in 2026.

Meteorological data are collected year-round at the Ekati Mine. A summary of meteorological data are included for the 2024 AEMP monitoring period in Section 3.10 because they are directly related to hydrology at the site.

Table 2.1-1 Sampling Summary for AEMP Lakes, 2024

Lake	Physical Limnology and Water Quality		Phytoplankton	Zooplankton	Benthos	Fish	
	Under-Ice	Open-Water				Small-Bodied	Large-Bodied
Reference Lakes							
Nanuq	X	X	X	X	X	X	X
Counts	X	X	X	X	X	X	X
Vulture	X	X	X	X	X	X	X
Northeast	X	X	X	X	X	X	-
Koala Watershed and Lac de Gras							
Grizzly	-	-	-	-	-	-	-
Kodiak	X	X	X	X	-	X	X
Leslie	X	X	X	X	X	X	X
Moose	X	X	X	X	-	X	X

Lake	Physical Limnology and Water Quality		Phytoplankton	Zooplankton	Benthos	Fish	
	Under-Ice	Open-Water				Small-Bodied	Large-Bodied
Nema	X	X	X	X	-	X	X
Slipper	X	X	X	X	-	X	X
S2	X	X	X	X	-	-	-
S3	X	X	X	X	-	-	-
S5	X	X	-	-	-	-	-
S6	X	X	-	-	-	-	-
King-Cujo Watershed and Lac du Sauvage							
Cujo	X	X	X	X	X	X	X
LdS2	-	X	-	-	-	-	-
LdS1	X	X	X	X	X	-	-
Pigeon-Fay and Upper Exeter Watershed							
Fay Bay	X	X	-	-	-	-	-
Upper Exeter	X	X	-	-	-	-	-
Horseshoe Watershed and Lower Exeter Lake							
Ulu	X	X	X	-	-	-	-
Horseshoe	X	X	X	X	X	X	-
HWL2	X	X	X	X	X	X	-
Ross	X	X	X	X	X	X	-
Logan	X	X	X	X	X	X	-
Lower Exeter	X	X	X	X	X	-	-
Point Lake Development Lakes							
Connor	-	X	X	-	-	-	-
Alexia	-	X	X	-	-	-	-
Thinner	-	X	X	-	-	-	-

Note:
Dash (-) = the component was not sampled as per the Plan (ERM 2023a, 2024a); X = the component was sampled

Table 2.1-2 Sampling Summary for AEMP Streams, 2024

Stream	Hydrology	Water Quality	Benthos
Reference Streams			
Nanuq Outflow	-	X	X
Counts Outflow	-	X	X
Vulture-Polar	-	X	X
Pigeon Reach 7	-	X	-
Northeast Outflow	-	X	X
Koala Watershed			
Lower PDC	X	X	-
Kodiak-Little	-	X	-
1616-30 (LLCF)	*pump*	X	-
Leslie-Moose	-	X	-
Moose-Nero	-	X	X
Nema-Martine	-	X	-
Slipper-Lac de Gras	X	X	-
King-Cujo Watershed			
1616-43 (KPSF)	*pump*	X	-
Cujo Outflow	X	X	X
Christine-Lac du Sauvage	-	X	-
Pigeon-Fay and Upper Exeter Watershed			
Pigeon Reach 1	-	X	-
Horseshoe Watershed			
Ulu Outflow	-	X	-
0008-Sa3 (TRSP)	*pump*	X	-
Horseshoe Outflow	X	X	X
HWL2 Outflow	-	X	X
Ross Outflow	-	X	X
Logan Outflow	-	X	X
HWL4 Outflow	X	-	-

Notes:

Dash (-) = the component was not sampled as per the Plan (ERM 2023a, 2024a); KPSF = King Pond Settling Facility; LLCF = Long Lake Containment Facility; PDC = Panda Diversion Channel; TRSP = Two Rock Sedimentation Pond;
X = the component was sampled

pump indicates that the site is a point of Discharge and flow and volume are monitored on a flowmeter attached to the pump.

Table 2.1-3 Summary of the AEMP Sampling Program, 2024

Monitoring Component	Seasonal Frequency	Replication and Depths at Each Lake/Stream Per Sampling Event
Lakes		
Physical Limnology	Ice-covered (April)	n = 1 profile
	Open-water (late July–August)	n = 1 profile; Secchi depth
Water Quality	Ice-covered (late March–April)	n = 1 @ mid water column depth n = 1 @ 2 m from the bottom 10% replication in each watershed and duplicates at each depth at near-field sites[1]
	Open-water (late July–August)	n = 1 @ 1 m below surface n = 1 @ mid water column depth 10% replication in each watershed and duplicates at each depth at near-field sites[1] n = 2 @ 2m from the bottom (Leslie and Moose lakes only)
Phytoplankton	Open-water (late July–August)	n = 3 @ 1 m below surface for taxonomic enumeration n = 3 @ 1 m below surface for biomass
Zooplankton	Open-water (late July–August)	n = 3 vertical hauls from 1 m above bottom to surface, with flowmeter for taxonomic enumeration n = 3 vertical hauls from 1 m above bottom to surface, with flowmeter for biomass
Benthos	Open-water (late July–August)	n = 3 composite samples @ mid-depth site (5 to 10 m)
Small-Bodied Fish	Open-water (August–early September)	Slimy Sculpin[3] n = 30 lethal n = up to 100 non-lethal
Large-Bodied Fish	Open-water (August–early September)	Lake Trout[3] n = 20 non-lethal Round Whitefish[3] n = 20 lethal
Streams		
Water Quality	Open-water (monthly): June (freshet), July, August[2], September	n = 1 10% replication in each watershed
Benthos	Open-water (August–September)	n = 5
Hydrology	Open-water season: May (freshet)–October	n = 1 automated station n = 1 cross section survey n = 1 hydraulic geometry survey[4] n = 3 to 4 manual flow measurements, differential levelling surveys, staff gauge surveys

Notes:
n = number of measurements or sample size
[1] Near-field sites include Kodiak, Leslie, Moose, Cujo, Fay Bay, Horseshoe, Connor, and Thinner lakes.
[2] Water quality at Discharge sites (1616-30 LLCF, 1616-43 KPSF, and 0008-Sa3 TRSP) is sampled in August only.
[3] n for fish are minimum target sample sizes; actual n achieved may vary depending on fish captures, and deviations are reported on a case-by-case basis.
[4] Hydraulic geometry surveys are conducted as needed (if there is a significant stream shape altering freshet event in a given year).

2.1.1 Sampling Plan Exceptions

In 2024, the AEMP field sampling was executed as per the Plan (ERM 2023a, ERM 2024a), with the following exception:

- During the open-water season, travel blanks for August sampling were requested but were not shipped by the analytical laboratory with the rest of the sample bottles. When it was discovered that the travel blanks were not shipped, they were "rush" shipped from Edmonton and arrived late in the August sampling program. Although the number of travel blanks collected met the requirements outlined in the Plan, they were collected on the same day and were not shipped and stored with the sample bottles for the entire duration of the trip which limits their use as QA/QC samples.

2.2 Sampling Sites

In 2024, both reference and monitored lakes and streams were sampled as part of the AEMP. Monitored lakes and streams are located within five watersheds, in addition to selected sites further downstream (Figure 2.2-1):

- Koala Watershed and downstream sites in Lac de Gras (Figure 2.2-2);
- King-Cujo Watershed and downstream sites in Lac du Sauvage (Figure 2.2-3);
- Pigeon-Fay and Upper Exeter Watershed (Figure 2.2-2);
- Horseshoe Watershed and the downstream site in Lower Exeter Lake (Figure 2.2-4); and
- The PLD Lakes (Figure 2.2-3).

Sampling sites for AEMP reference and monitored lake and stream sites are summarised in Tables 2.2-1 and 2.2-2 and presented in Figures 2.2-5 to 2.2-13, Figure 2.2-15, Figures 2.2-20 to 2.2-23.

Small- and large-bodied fish were sampled in Nanuq, Counts, Vulture, Northeast, Kodiak, Leslie, Moose, Nema, Slipper, and Cujo lakes. Small-bodied fish were sampled in Horseshoe, HWL2, Ross, and Logan lakes. Locations of electrofishing transects for small-bodied fish and gillnet locations for large-bodied fish in each sampled lake are shown in Figures 2.2-5 to 2.2-13, 2.2-15, and 2.2-20 to 2.2-23. Backpack electrofishing targeted shallow littoral areas in each sampled lake, whereas the monofilament index gillnets were set in both littoral and pelagic habitats within each sampled lake.

Table 2.2-1 Sampling Sites for AEMP Lakes, 2024

Lake	Physical Limnology, Water Quality, Plankton			Benthos		
	Coordinates (m)		Approximate Water Depth (m)	Coordinates (m)		Approximate Water Depth (m)
	Easting	Northing		Easting	Northing	
Reference Lakes						
Nanuq	534200	7199287	27	534667	7199080	7–8
Counts	533825	7169850	11	533681	7169826	6–8
Vulture	521183	7180882	38	522168	7182147	5–7
Northeast	523692	7195264	14	523351	7195096	6–8

Lake	Physical Limnology, Water Quality, Plankton			Benthos		
	Coordinates (m)		Approximate Water Depth (m)	Coordinates (m)		Approximate Water Depth (m)
	Easting	Northing		Easting	Northing	
Koala Watershed and Lac de Gras						
Kodiak	518273	7175550	13	-	-	-
Leslie	515938	7173285	12	515827	7173190	5–10
Moose	516630	7172852	10	-	-	-
Nema	513575	7171132	9	-	-	-
Slipper	507098	7165297	15	-	-	-
S2	507638	7164468	7	-	-	-
S3	505912	7164439	14	-	-	-
S5	503125	7161482	18	-	-	-
S6	501976	7159857	24	-	-	-
King-Cujo Watershed and Lac du Sauvage						
Cujo	538721	7162007	6	538721	7162007	5.5–6.5
LdS2	541240	7164235	2	-	-	-
LdS1	541616	7164530	8	541616	7164530	7–9
Pigeon-Fay and Upper Exeter Watershed						
Fay Bay	515055	7181172	7	-	-	-
Upper Exeter	513066	7180902	9	-	-	-
Horseshoe Watershed and Lower Exeter Lake						
Ulu	522939	7194211	6	-	-	-
Horseshoe	521440	7193700	4.5	521440	7193700	4.5
HWL2	518927	7196224	18	519630	7196475	7–8
Ross	517357	7194677	11	517440	7194680	5.5
Logan	511558	7193539	15	511540	7193615	7–8
Lower Exeter	509280	7190699	13	508980	7191185	7–8
PLD Lakes						
Connor	541682	7162341	11.5	-	-	-
Alexia	541577	7161378	3.5	-	-	-
Thinner	540171	7161621	6	-	-	-

Notes:
Dash (-) = not applicable; PLD = Point Lake Development
Coordinates are presented in NAD83 UTM Zone 12N.

Table 2.2-2 Sampling Sites for AEMP Streams

Stream	Water Quality/Stream Benthos Coordinates (m)		Hydrology Coordinates (m)	
	Easting	Northing	Easting	Northing
Reference Streams				
Nanuq Outflow	532197	7199430	-	-
Counts Outflow	535488	7169709	-	-
Vulture-Polar	521503	7179655	-	-
Pigeon Reach 7	517218	7182260	-	-
Northeast Outflow	523176	7195059	-	-
Koala Watershed				
Lower PDC	518429	7175883	518600	7175900
Kodiak-Little	517943	7174808	-	-
1616-30 (LLCF)	514021	7173081	*pump*	
Leslie-Moose	516481	7172868	-	-
Moose-Nero	517460	7172818	-	-
Nema-Martine	513921	7170646	-	-
Slipper-Lac de Gras	507643	7164878	507616	507616
King-Cujo Watershed				
1616-43 (KPSF)	538785	7161359	*pump*	
Cujo Outflow	538942	7162432	539000	539000
Christine-Lac du Sauvage	540025	7163840	-	-
Pigeon-Fay and Upper Exeter Watershed				
Pigeon Stream—Reach 1	515381	7181324	-	-
Horseshoe Watershed				
Ulu Outflow	522687	7194181	-	-
008-Sa3 (TRSP)	521736	7193020	*pump*	
Horseshoe Outflow	521070	7194165	520321	7194273
HWL2 Outflow	518227	7195570	-	-
HWL4 Outflow	-	-	509588	7192717
Ross Outflow	515974	7194728	-	-
Logan Outflow	509588	7192717	-	-

Notes:

Dash (-) = not applicable; KPSF = King Pond Settling Facility; LLCF = Long Lake Containment Facility; PDC = Panda Diversion Channel; TRSP = Two Rock Sedimentation Pond

Coordinates are presented in NAD83 UTM Zone 12N.

pump indicates that site is a point of Discharge and flow and volume is monitored on a flowmeter attached to the pump.

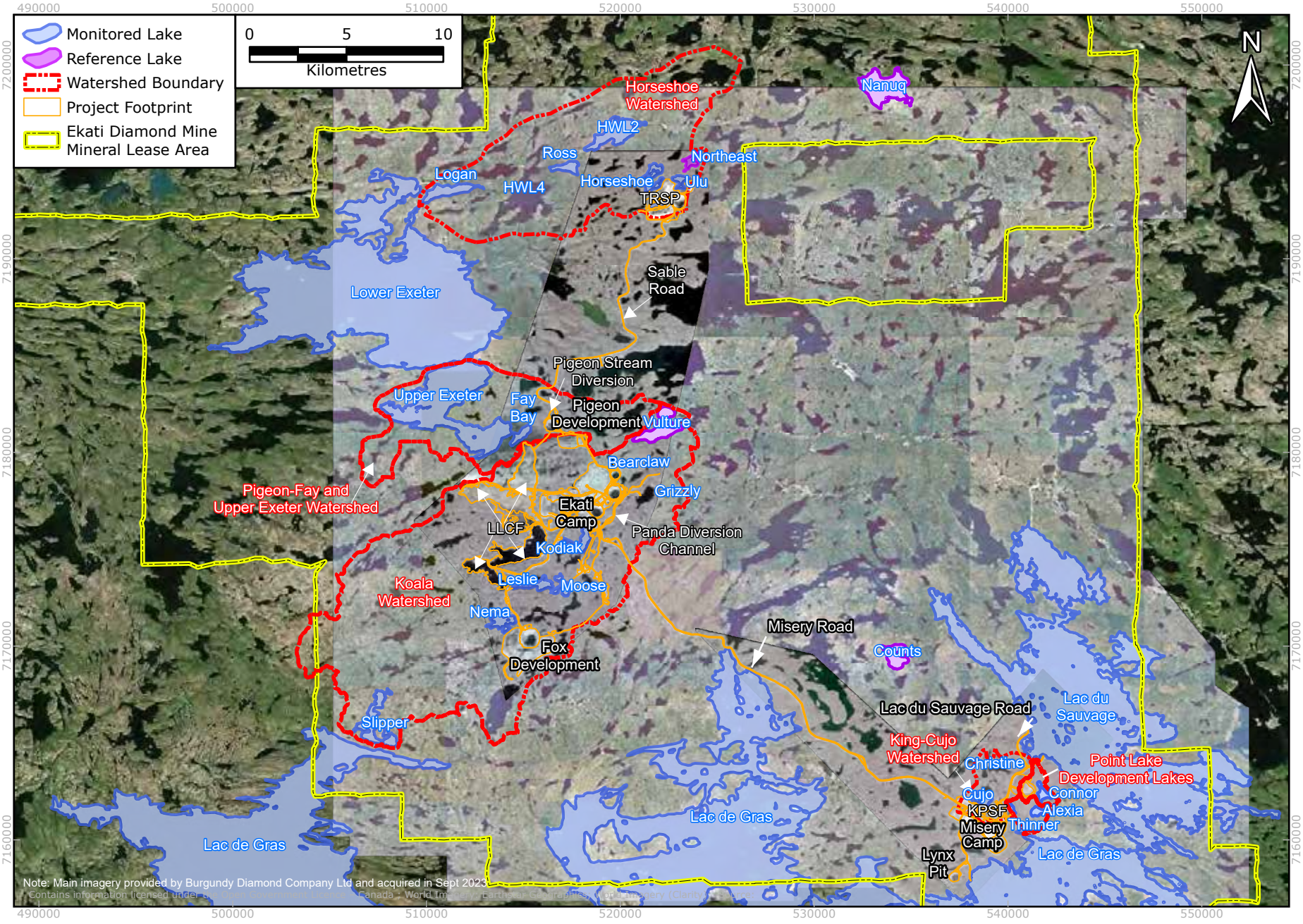


Figure 2.2-1 AEMP Sampling Area, 2024

BURGUNDY DIAMOND MINES

GIS Number: EKA-01-422-04

Date: 25 February 2025

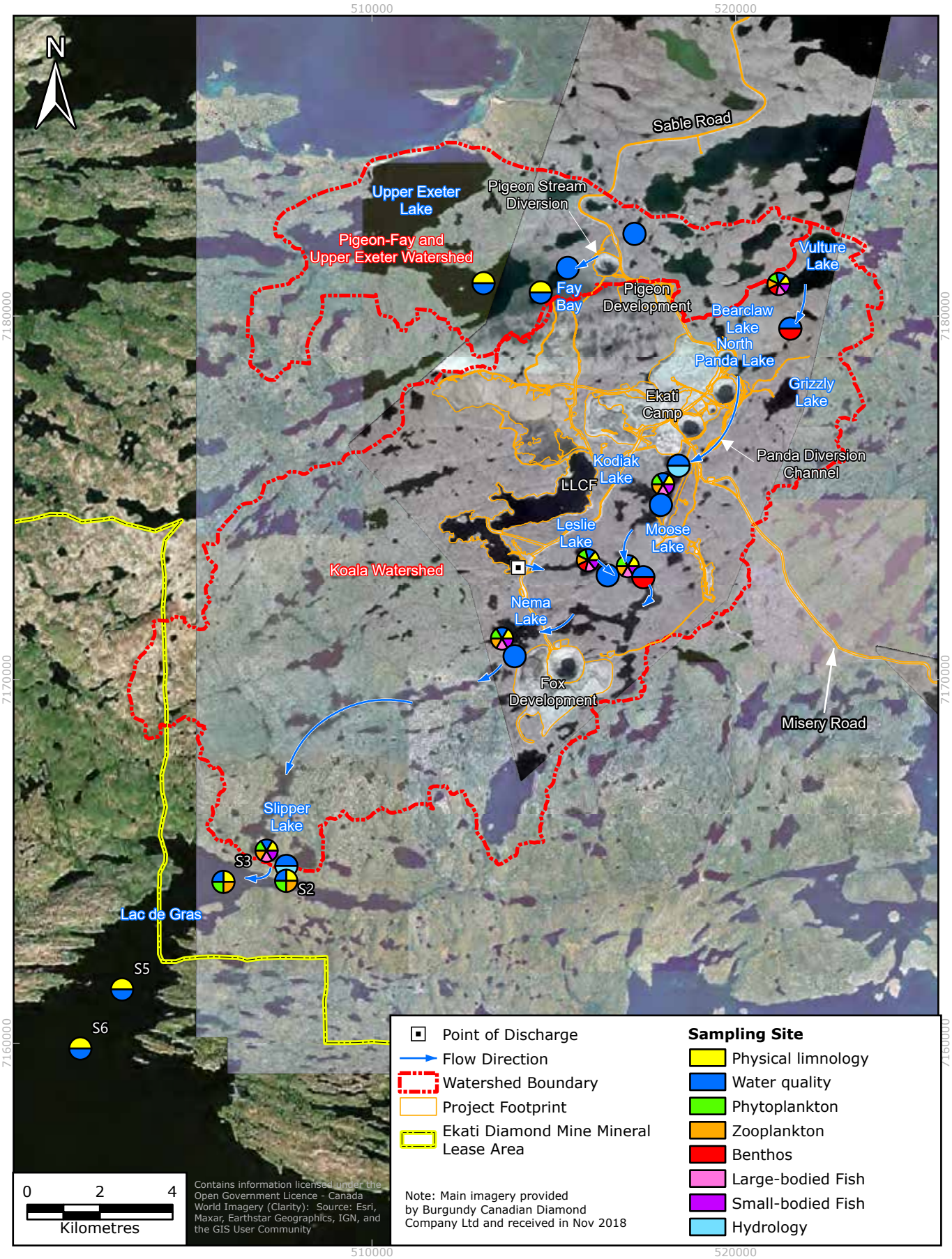


Figure 2.2-2 Koala Watershed, Pigeon-Fay and Upper Exeter Watershed, and Lac de Gras AEMP Monitoring, 2024

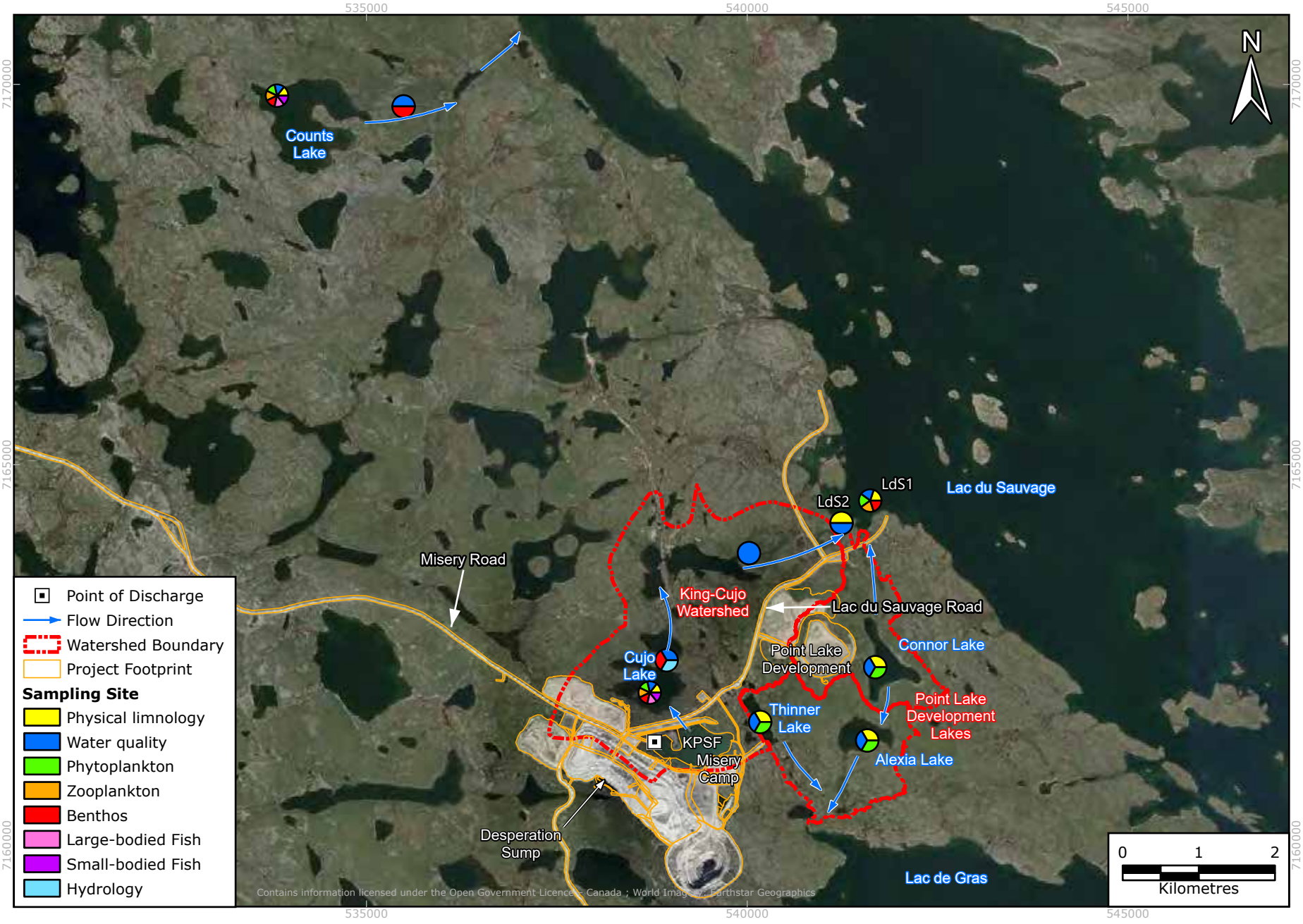


Figure 2.2-3 King-Cujo Watershed, Lac du Sauvage, Point Lake Development Lakes, and Counts Lake, AEMP Monitoring, 2024

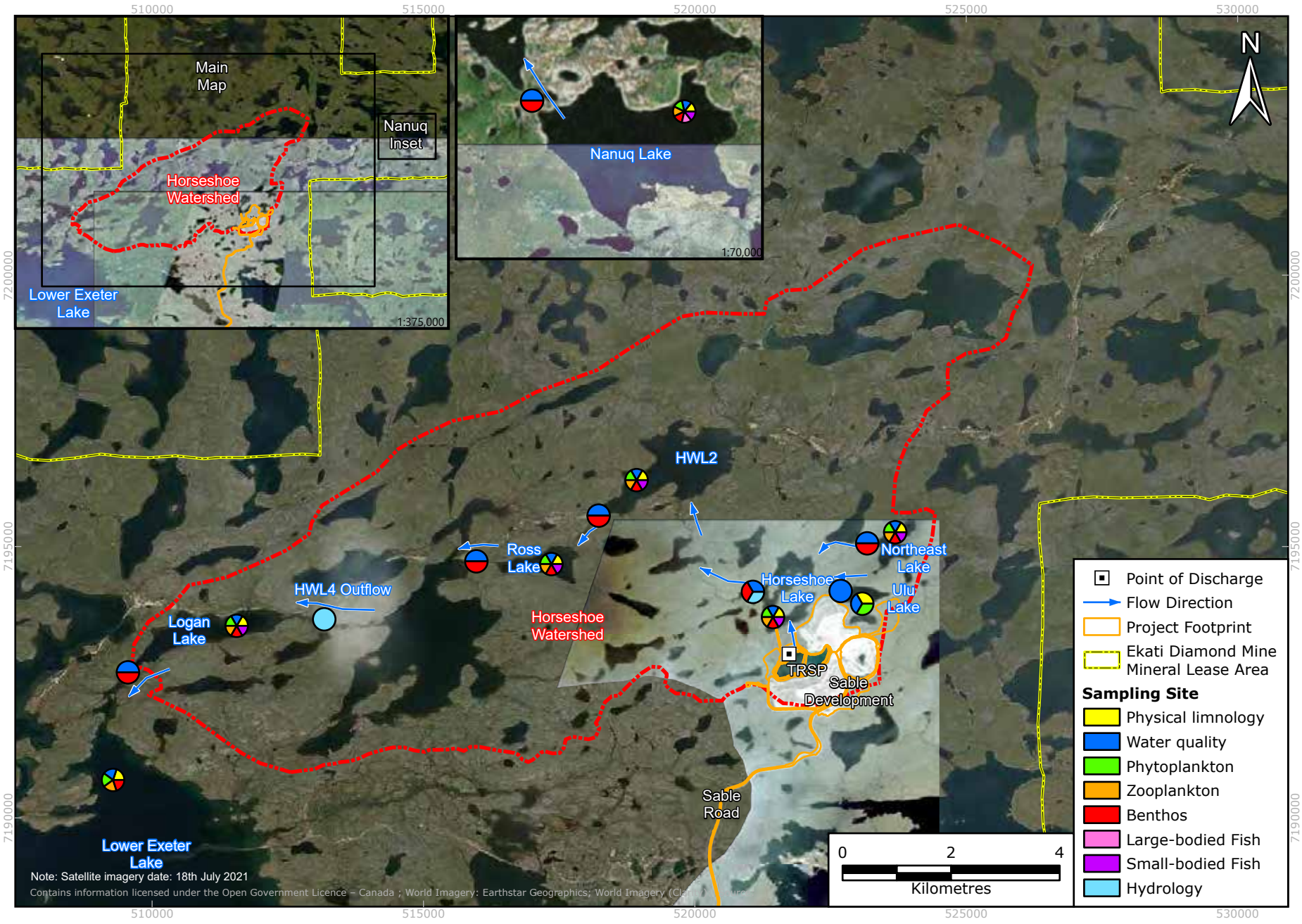


Figure 2.2-4 Horseshoe Watershed, Nanuq Lake, and Lower Exeter Lake AEMP Monitoring, 2024

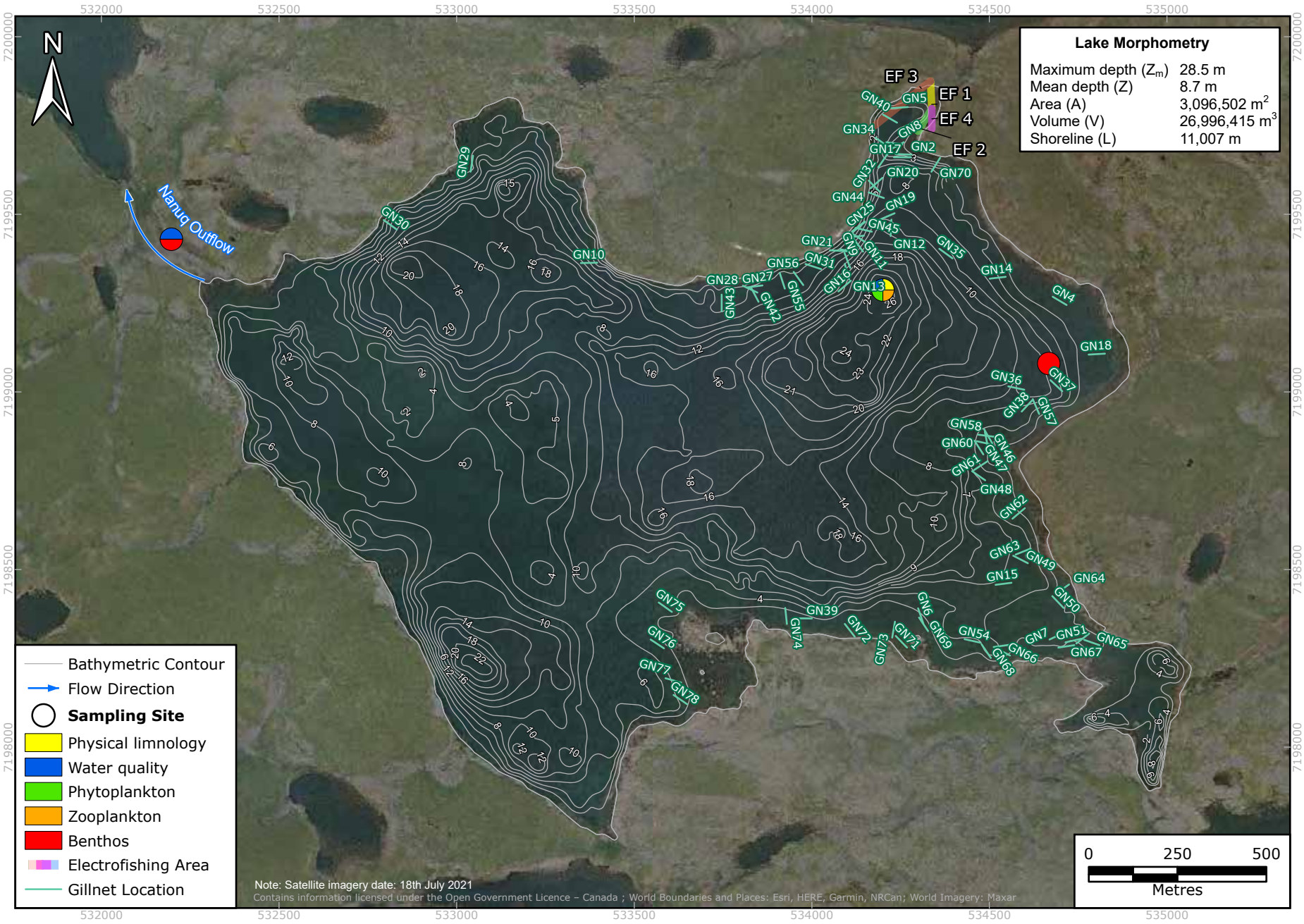


Figure 2.2-5 Nanuq Lake and Outflow AEMP Monitoring Sites, 2024

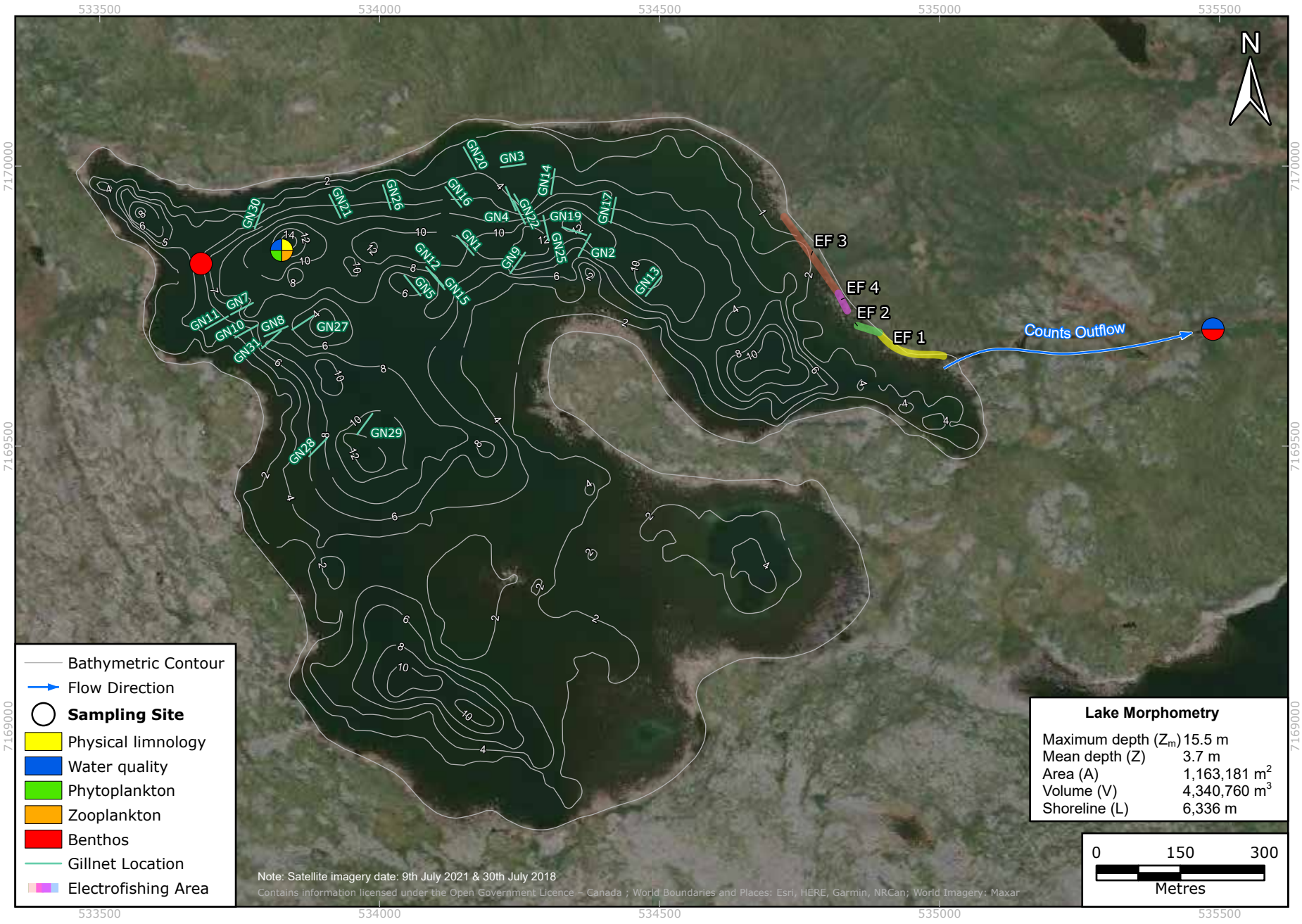


Figure 2.2-6 Counts Lake and Outflow AEMP Monitoring Sites, 2024

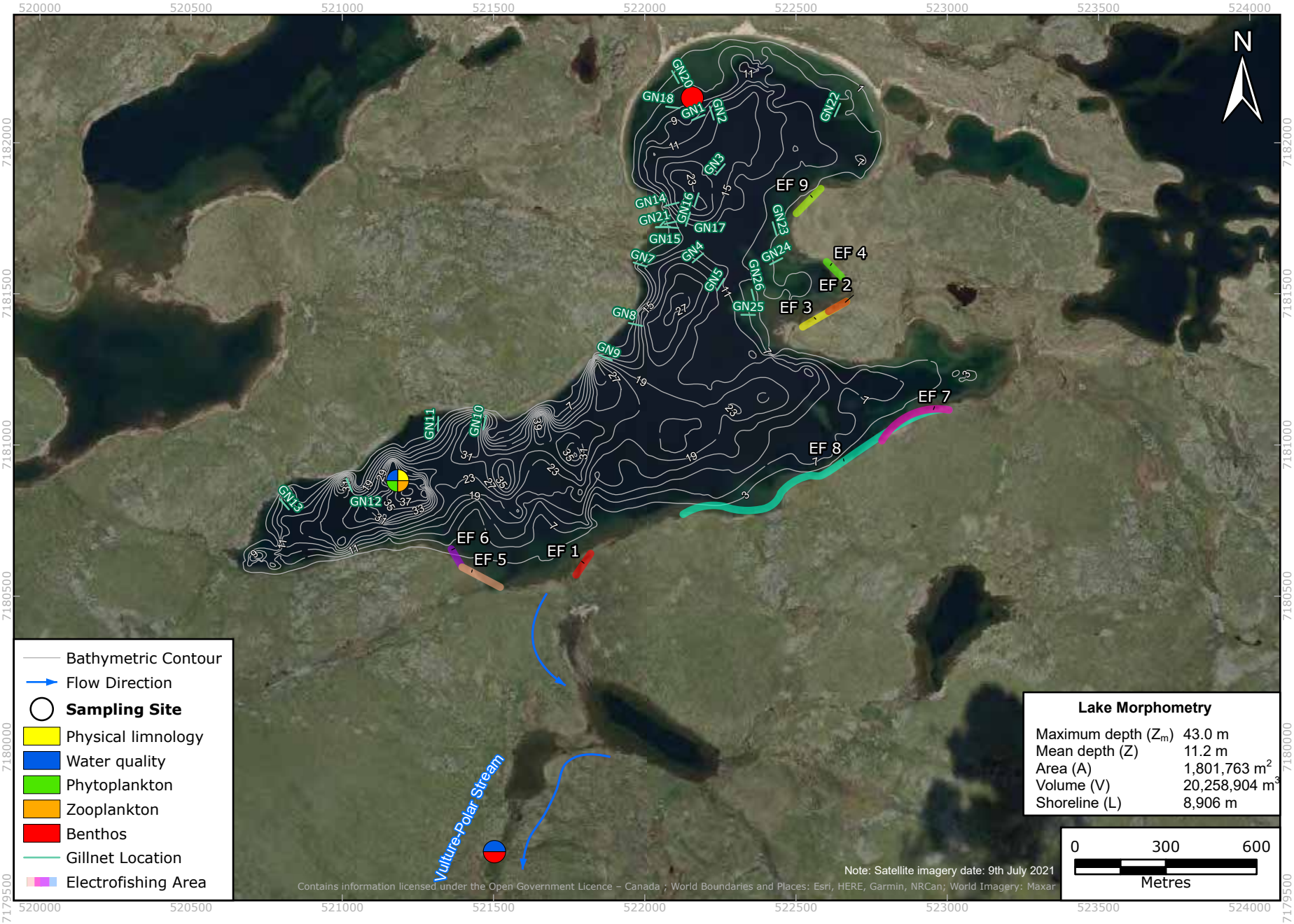


Figure 2.2-7 Vulture Lake and Vulture-Polar Stream AEMP Monitoring Sites, 2024

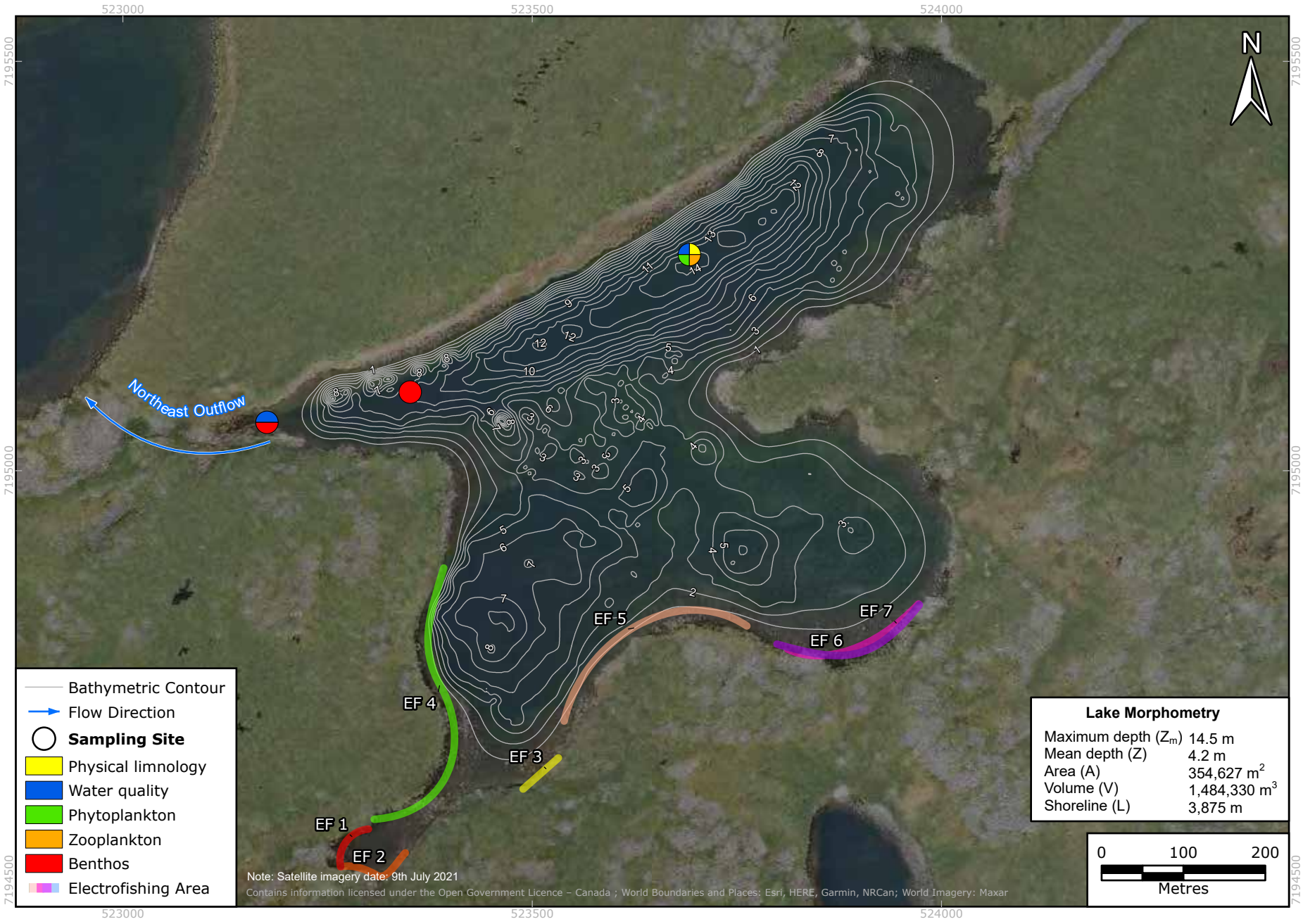


Figure 2.2-8 Northeast Lake and Outflow AEMP Monitoring Sites, 2024

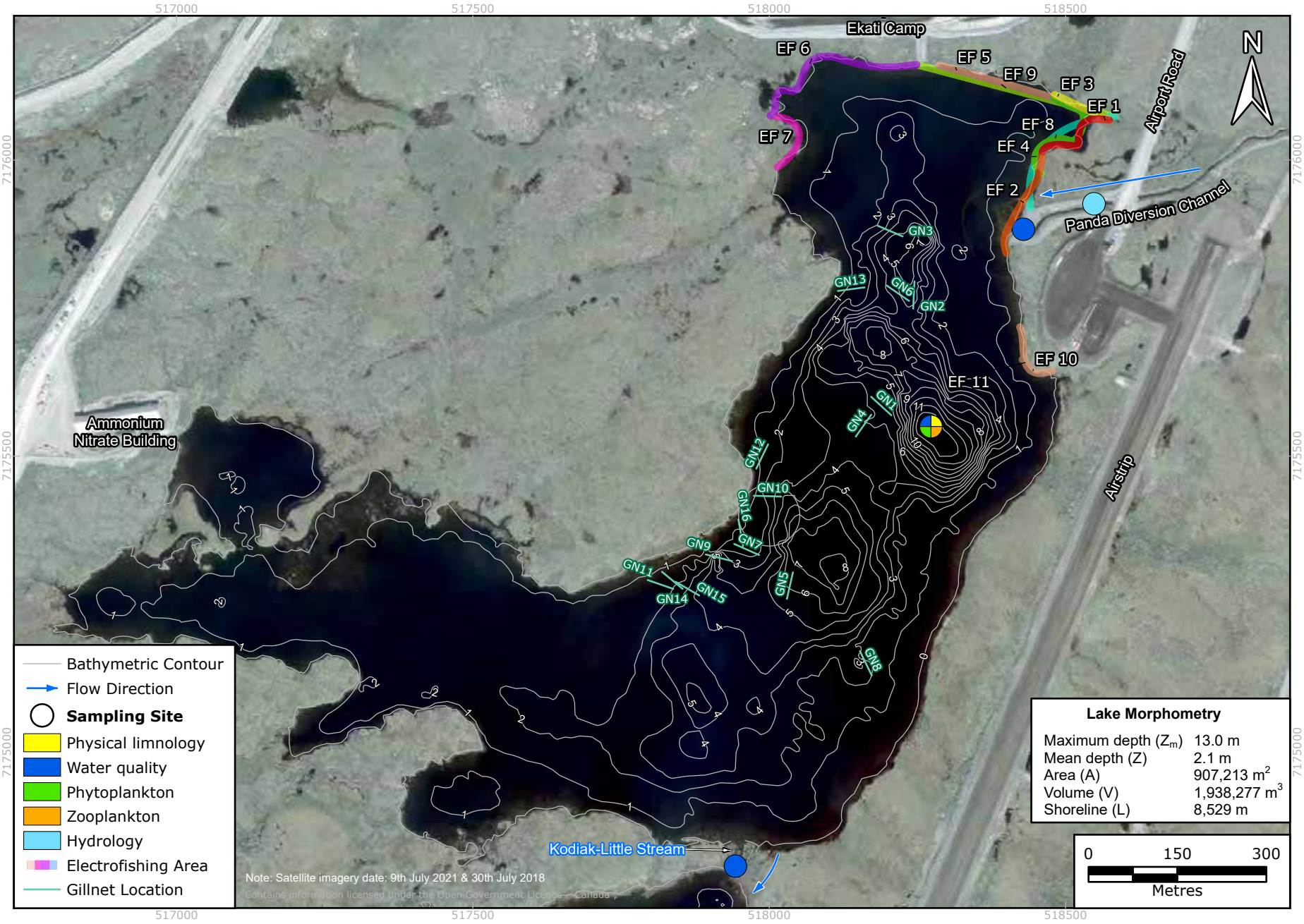


Figure 2.2-9 Lower PDC, Kodiak Lake, and Kodiak-Little Stream AEMP Monitoring Sites, 2024

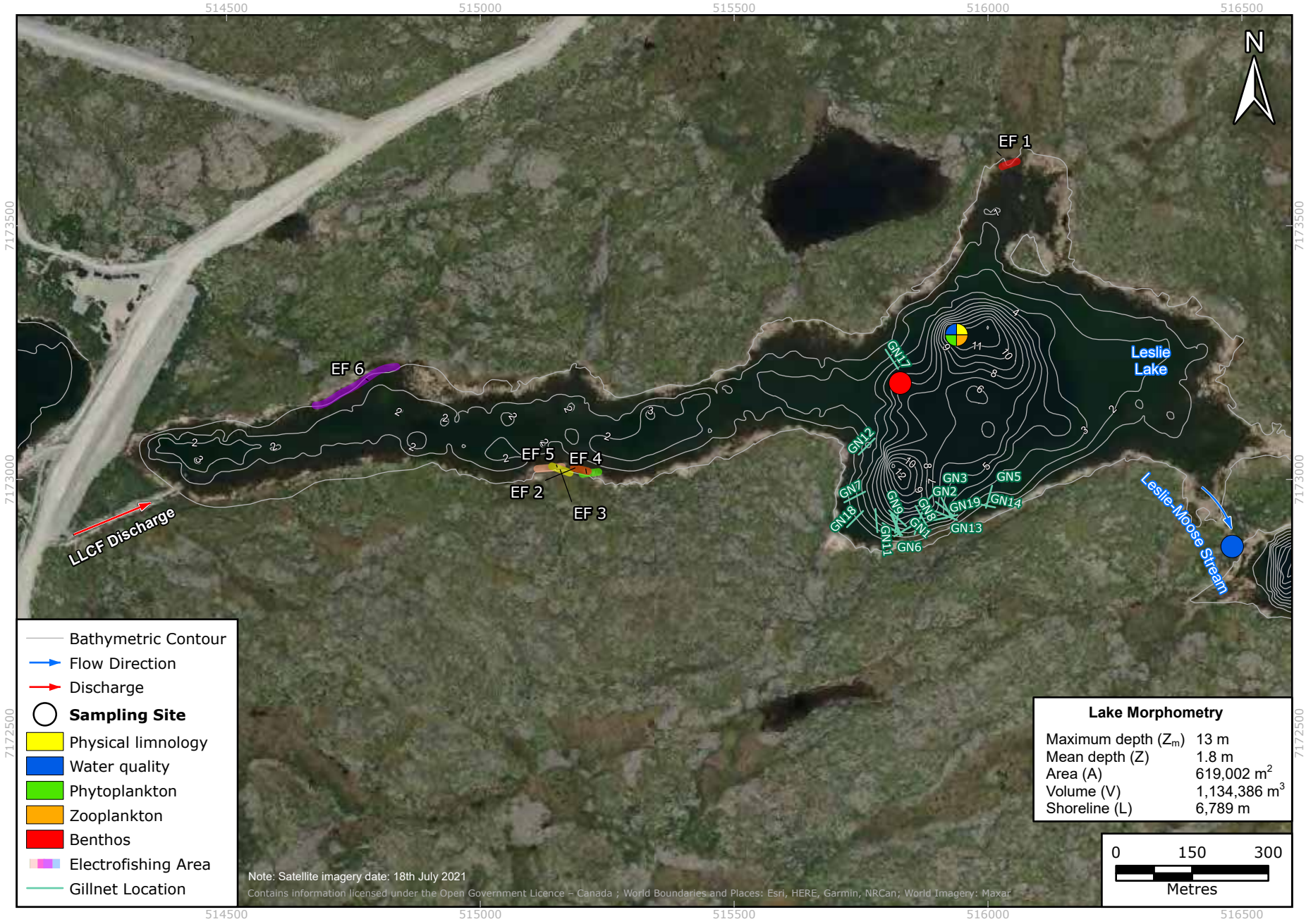


Figure 2.2-10 Leslie Lake and Leslie-Moose Stream AEMP Monitoring Sites, 2024

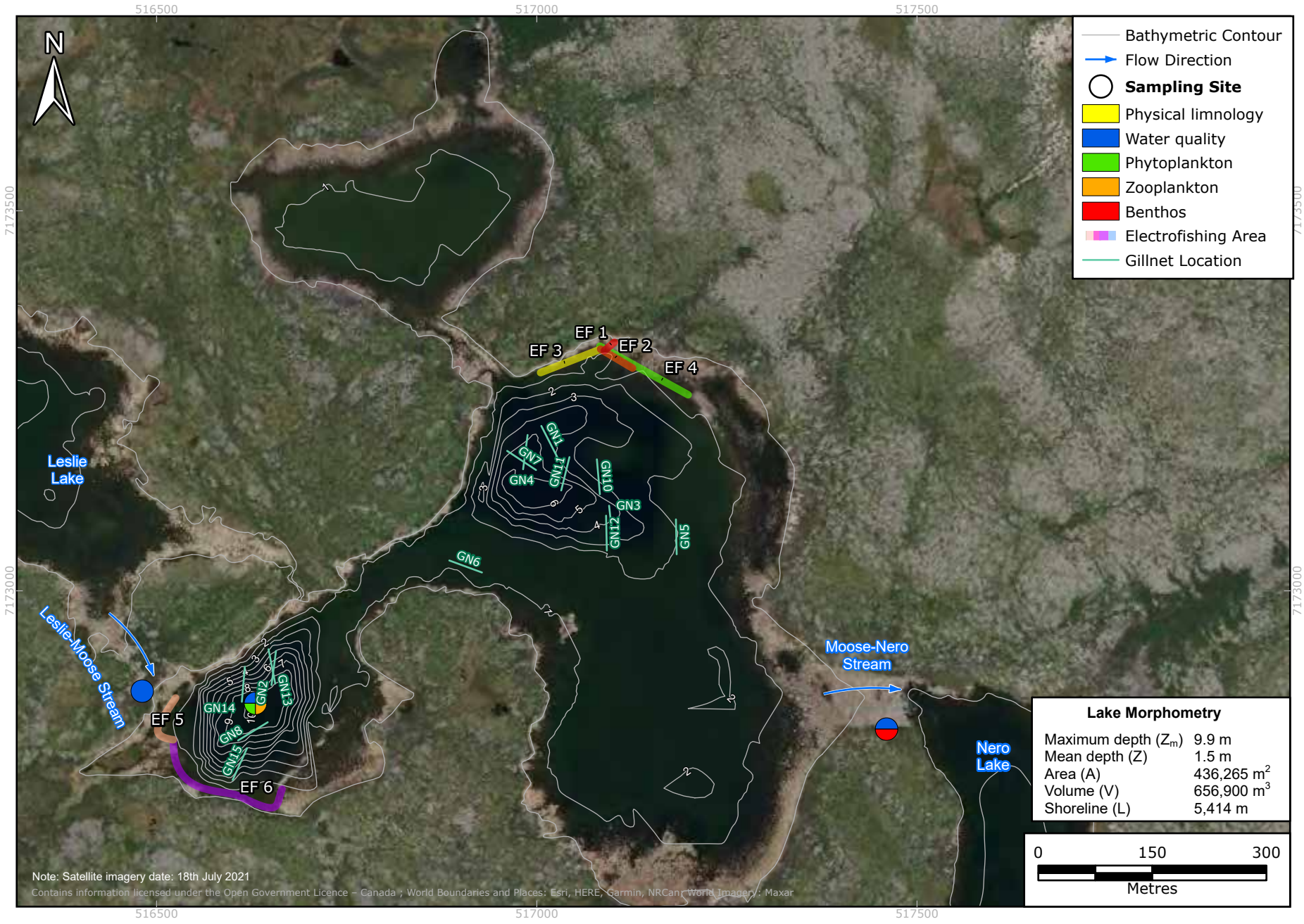


Figure 2.2-11 Leslie-Moose Stream, Moose Lake, and Moose-Nero Stream AEMP Monitoring Sites, 2024

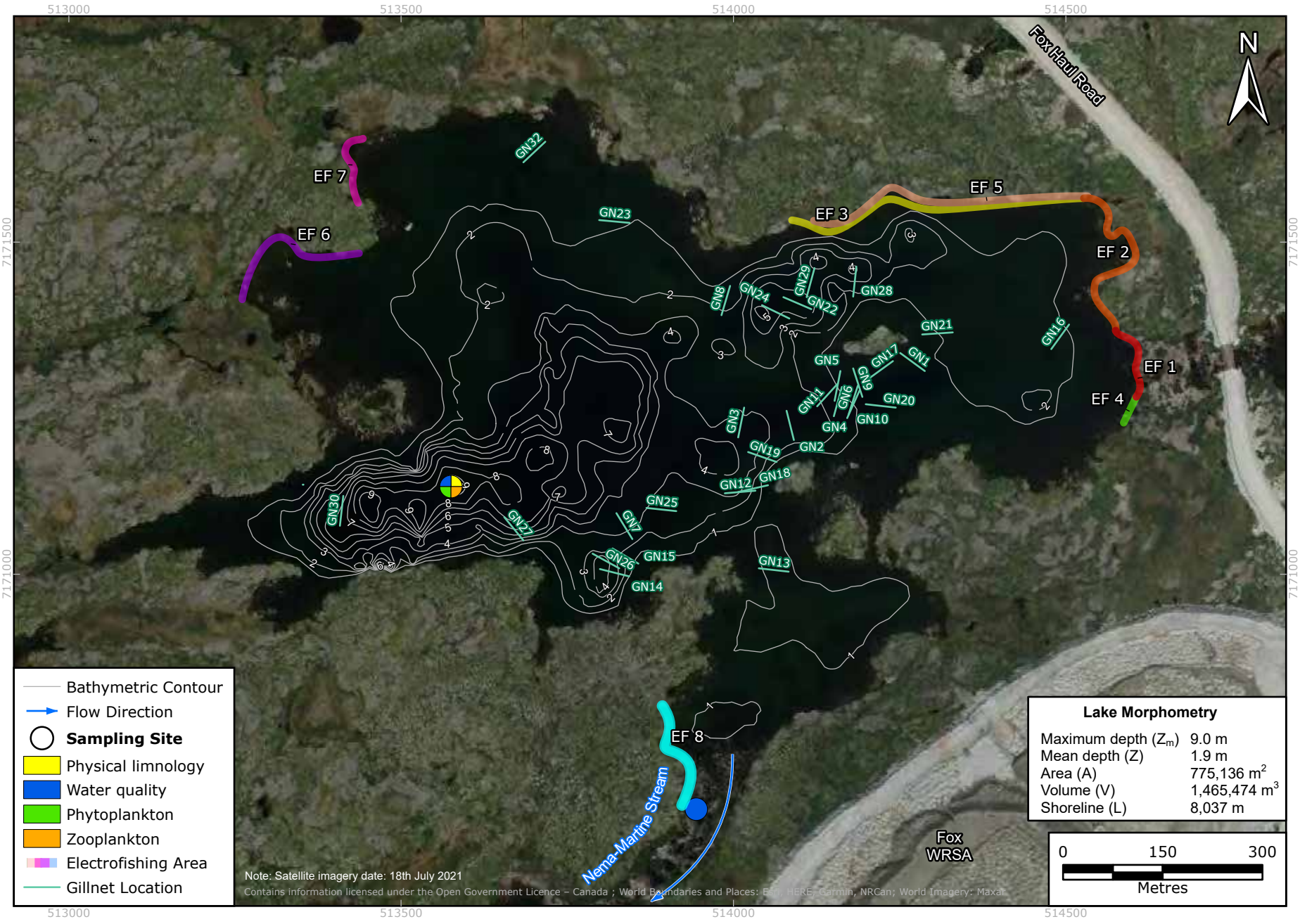


Figure 2.2-12 Nema Lake and Nema-Martine Stream AEMP Monitoring Sites, 2024

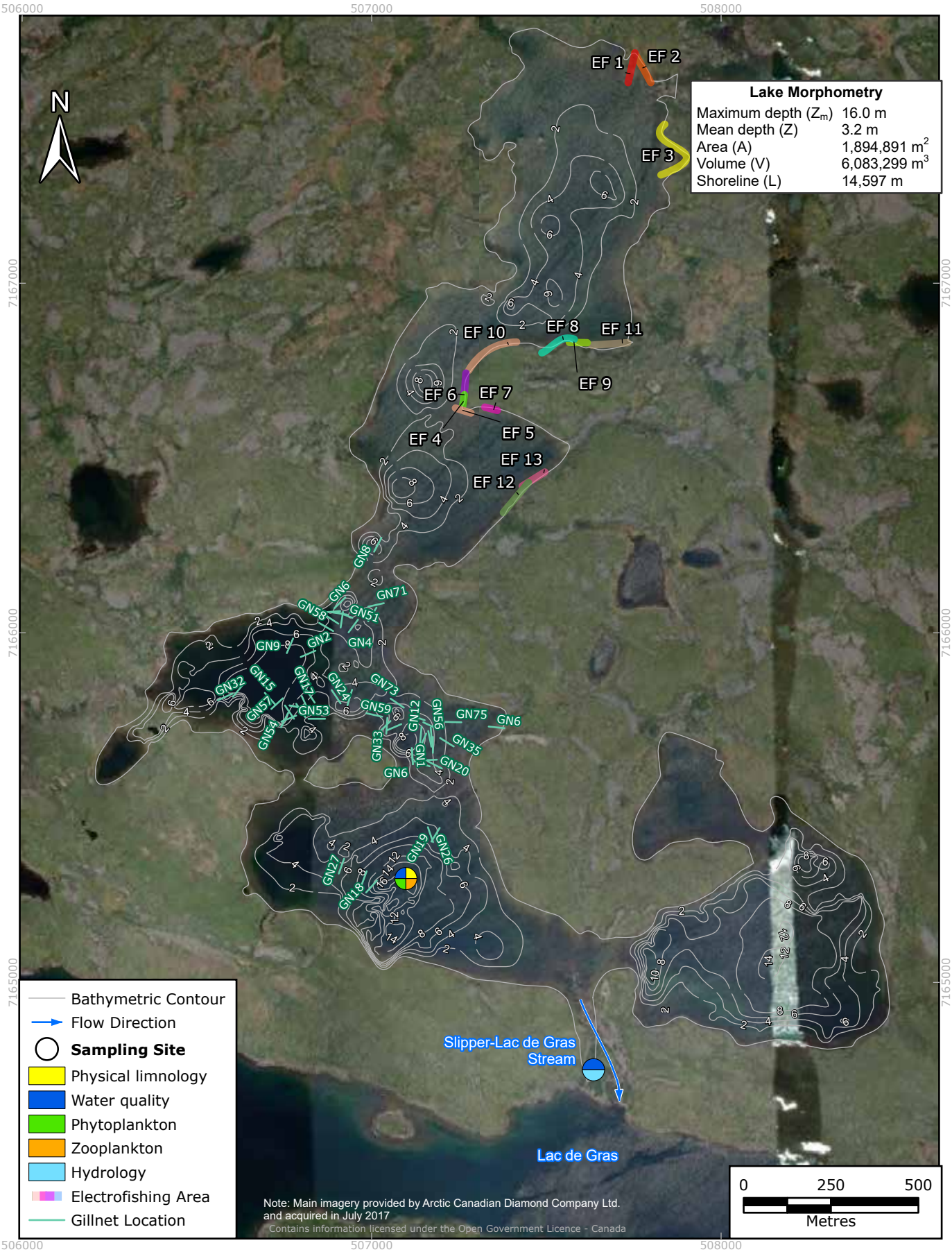


Figure 2.2-13 Slipper Lake and Slipper-Lac de Gras Stream AEMP Monitoring Sites, 2024

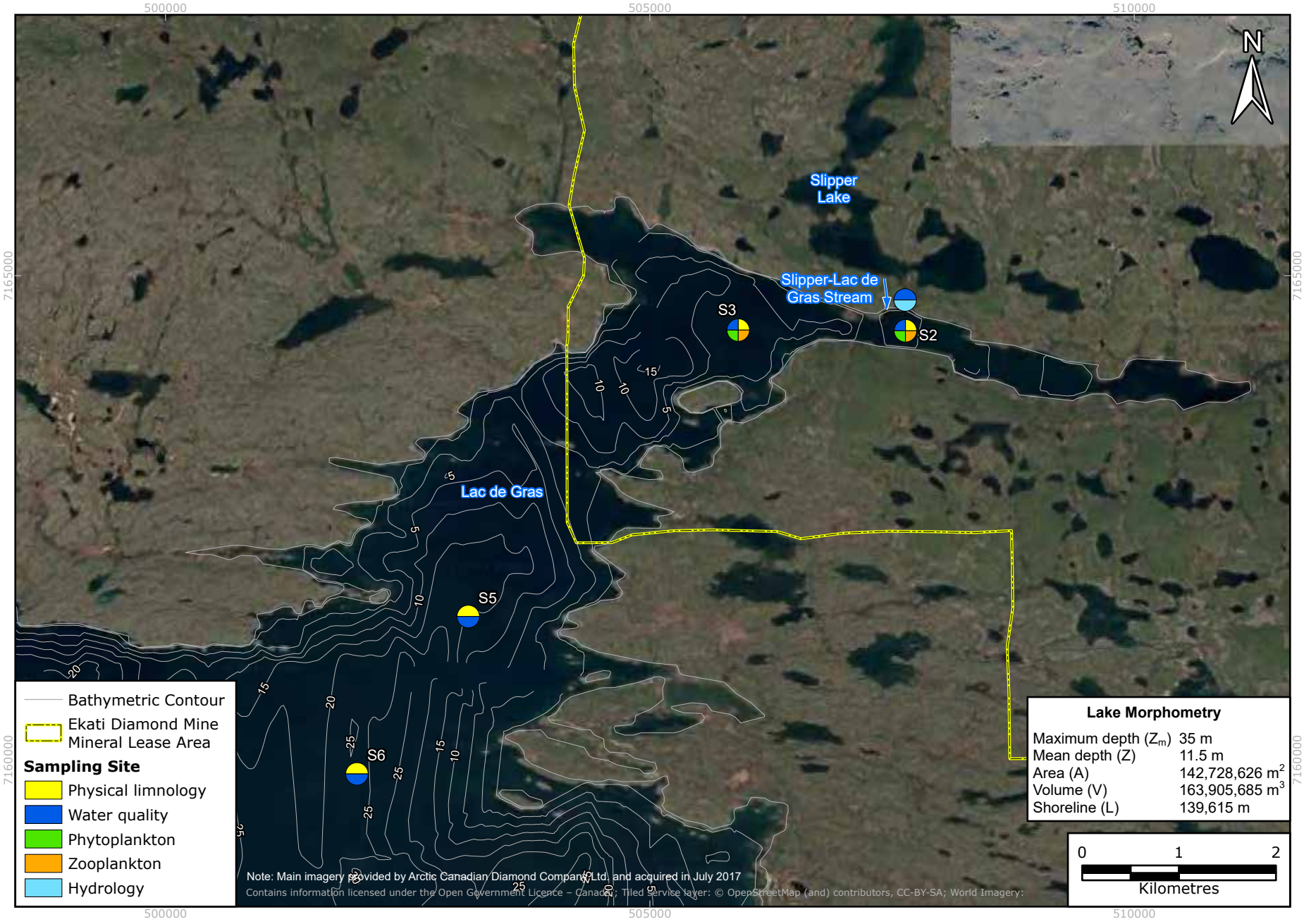


Figure 2.2-14 Slipper-Lac de Gras Stream and Lac de Gras AEMP Monitoring Sites, 2024

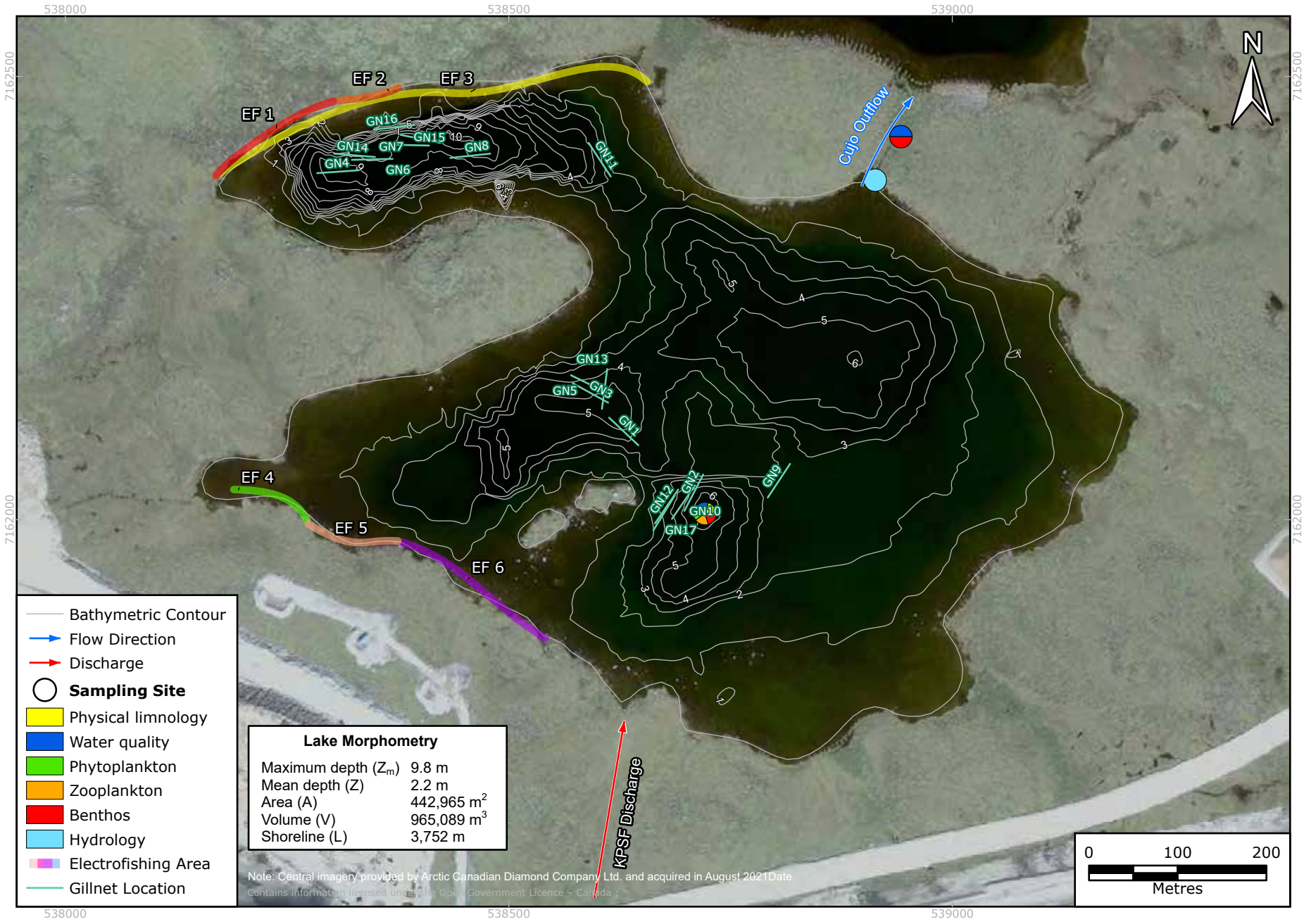


Figure 2.2-15 Cujo Lake and Outflow AEMP Monitoring Sites, 2024

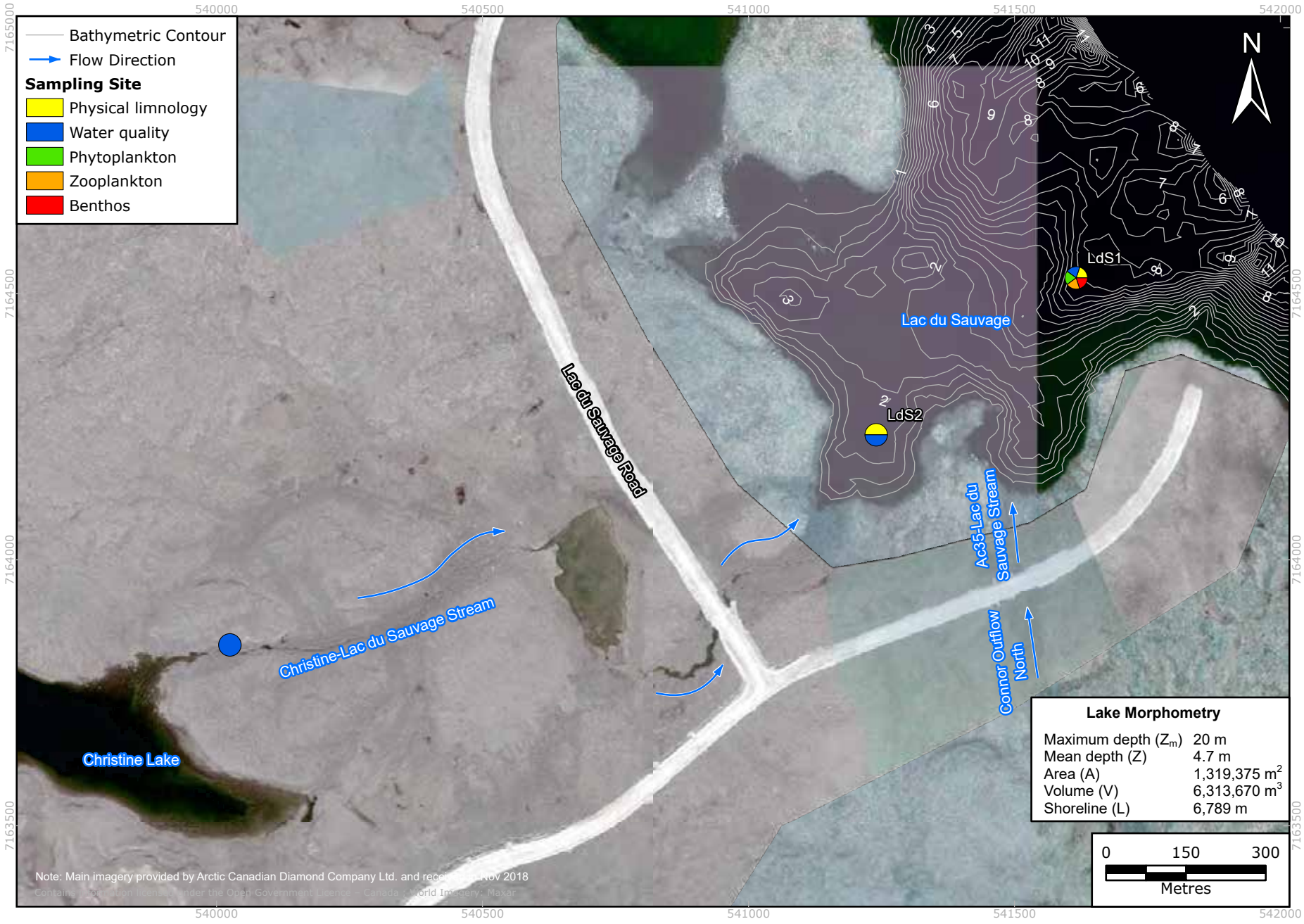


Figure 2.2-16 Christine-Lac du Sauvage Stream and Lac du Sauvage AEMP Monitoring Sites, 2024

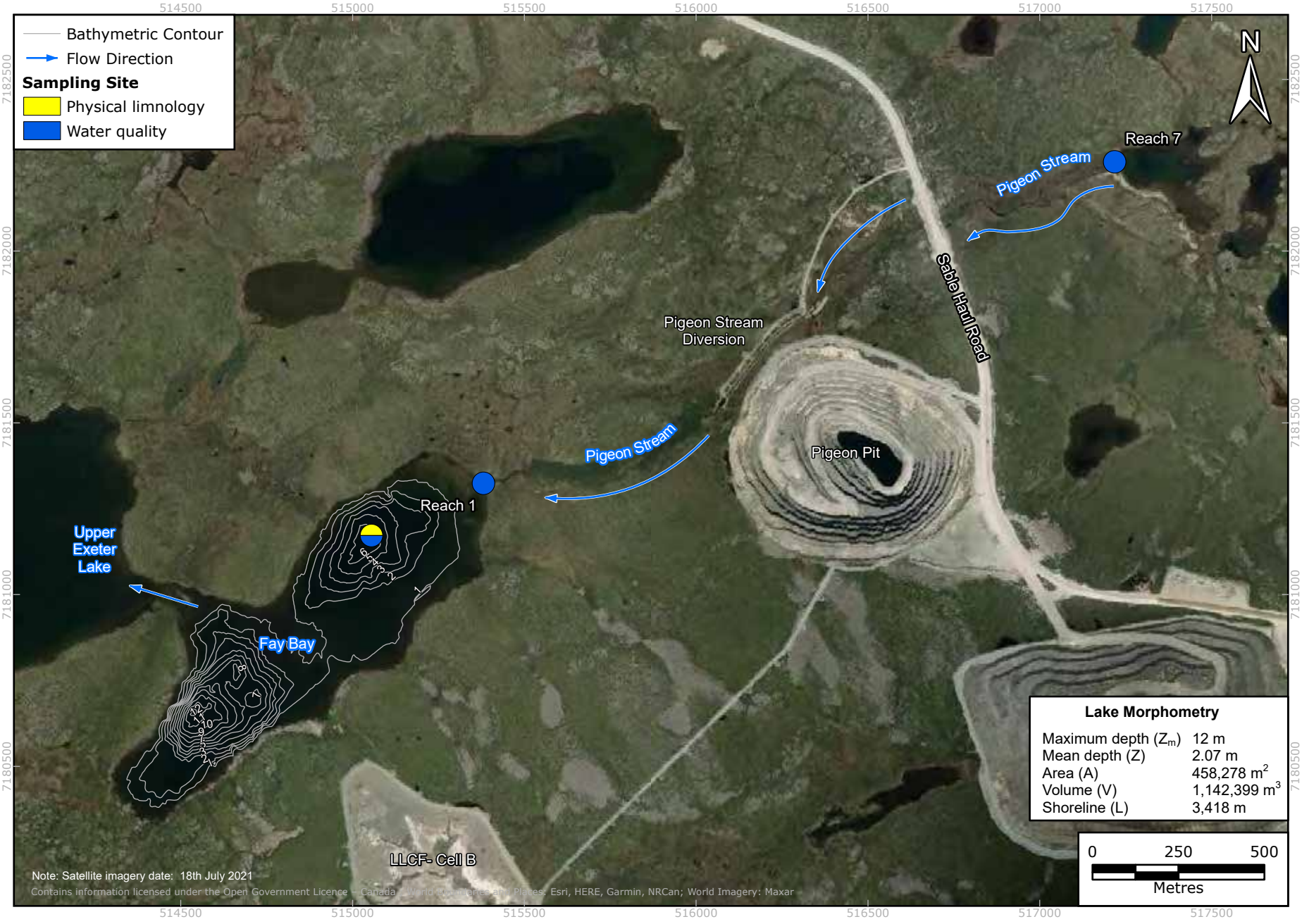


Figure 2.2-17 Fay Bay and Pigeon Stream AEMP Monitoring Sites, 2024

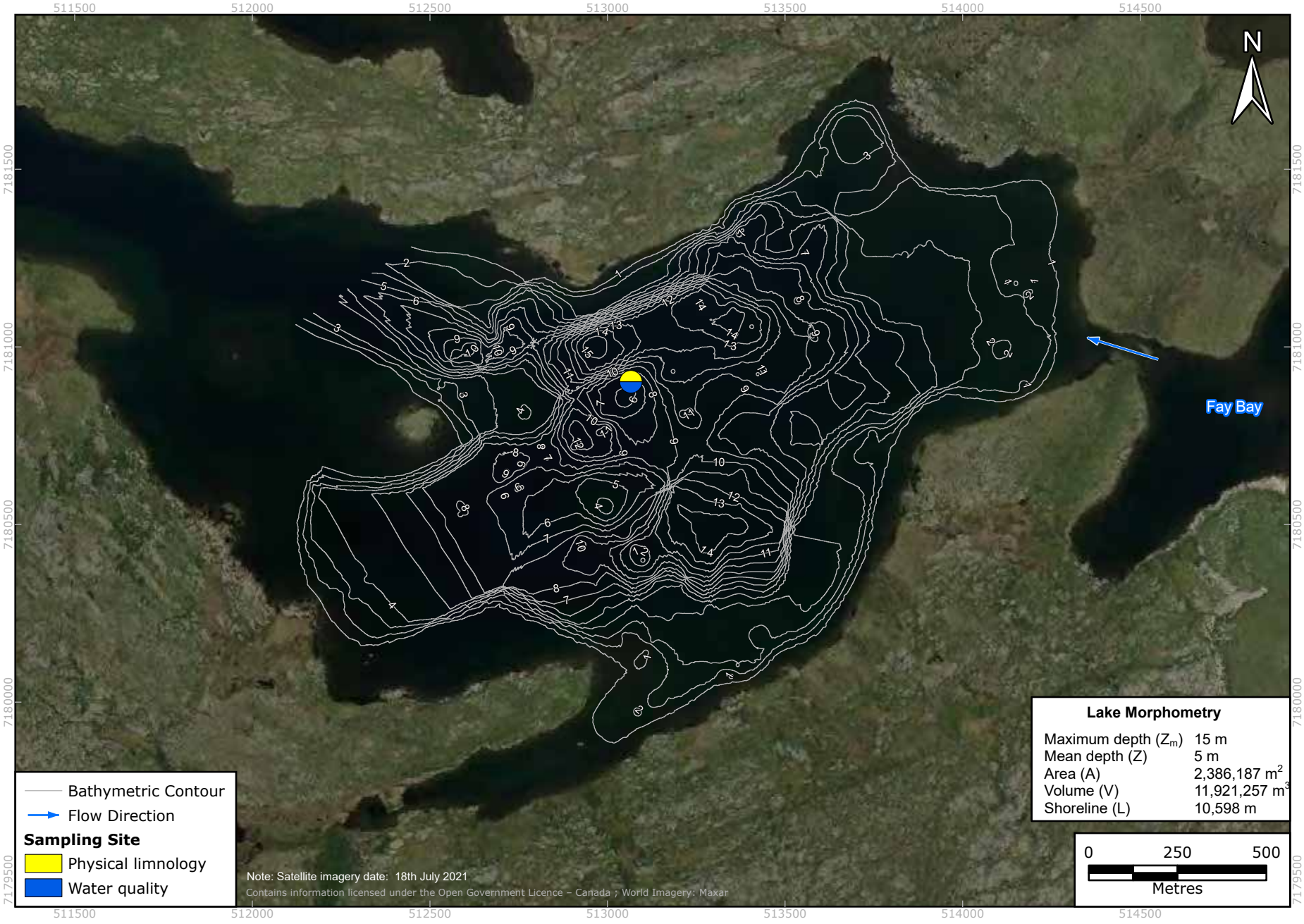


Figure 2.2-18 Upper Exeter Lake AEMP Monitoring Site, 2024

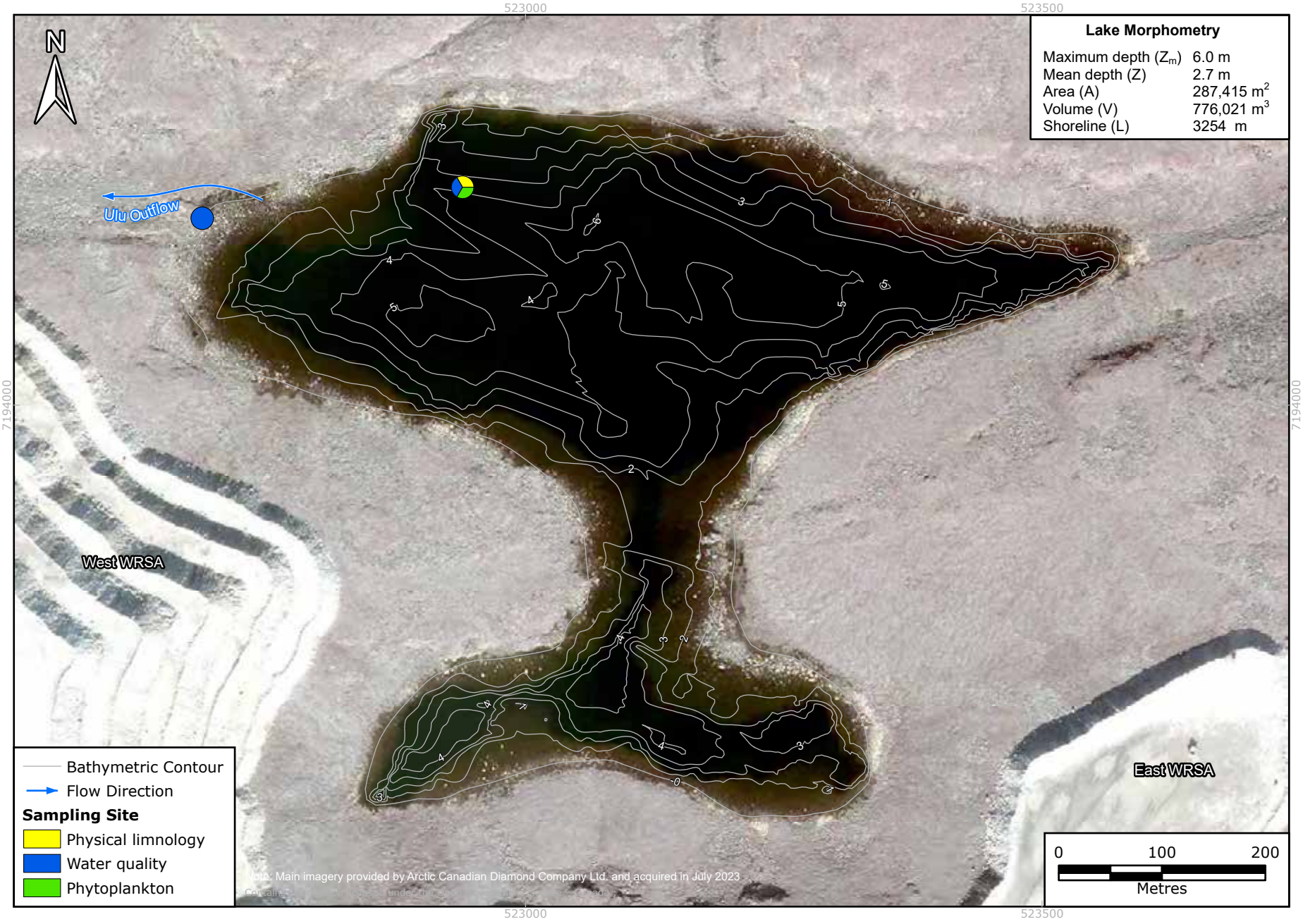


Figure 2.2-19 Ulu Lake and Outflow AEMP Monitoring Sites, 2024

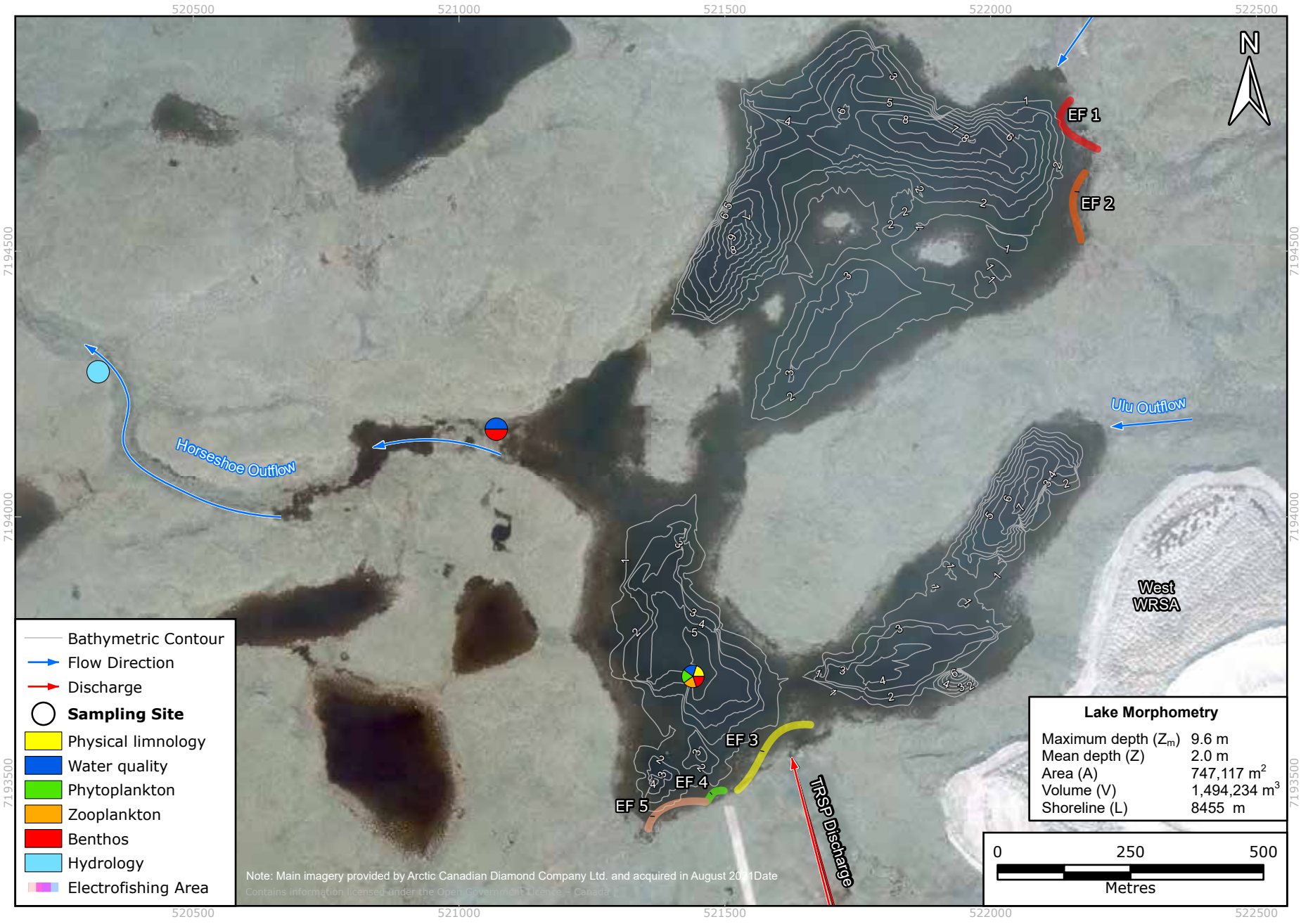


Figure 2.2-20 Horseshoe Lake and Outflow AEMP Monitoring Sites, 2024

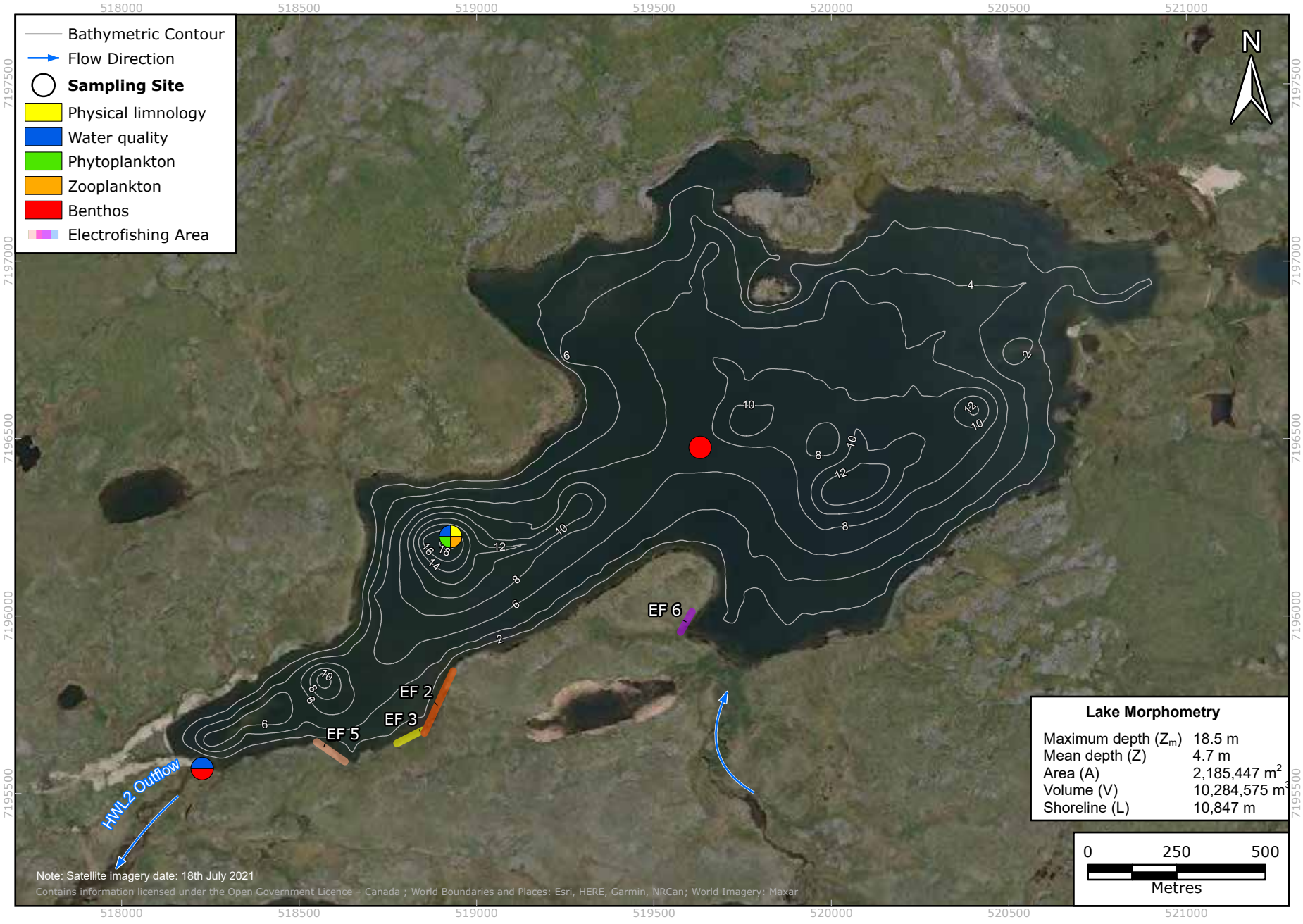


Figure 2.2-21 HWL2 Lake and Outflow AEMP Monitoring Sites, 2024

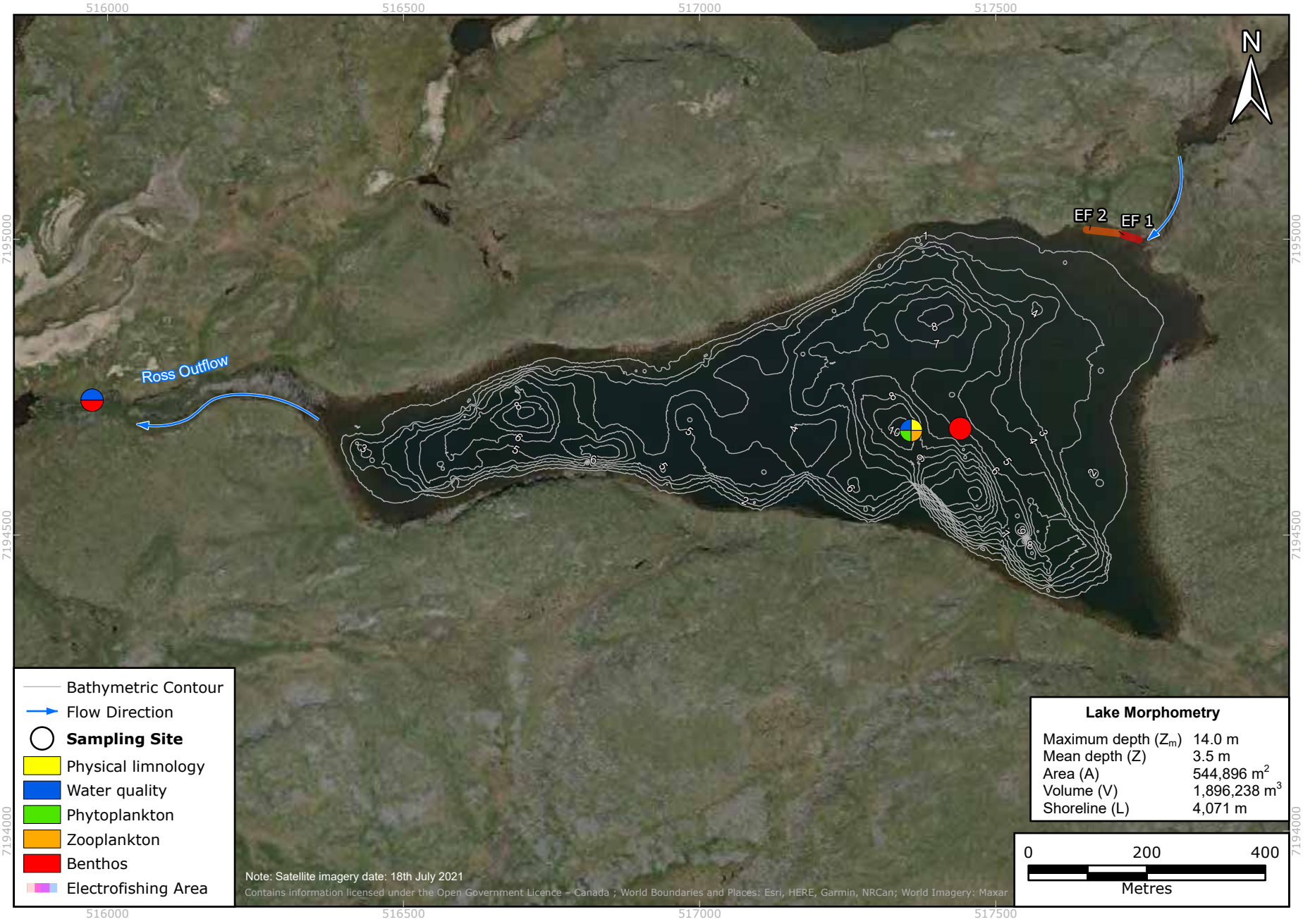


Figure 2.2-22 Ross Lake and Outflow AEMP Monitoring Sites, 2024

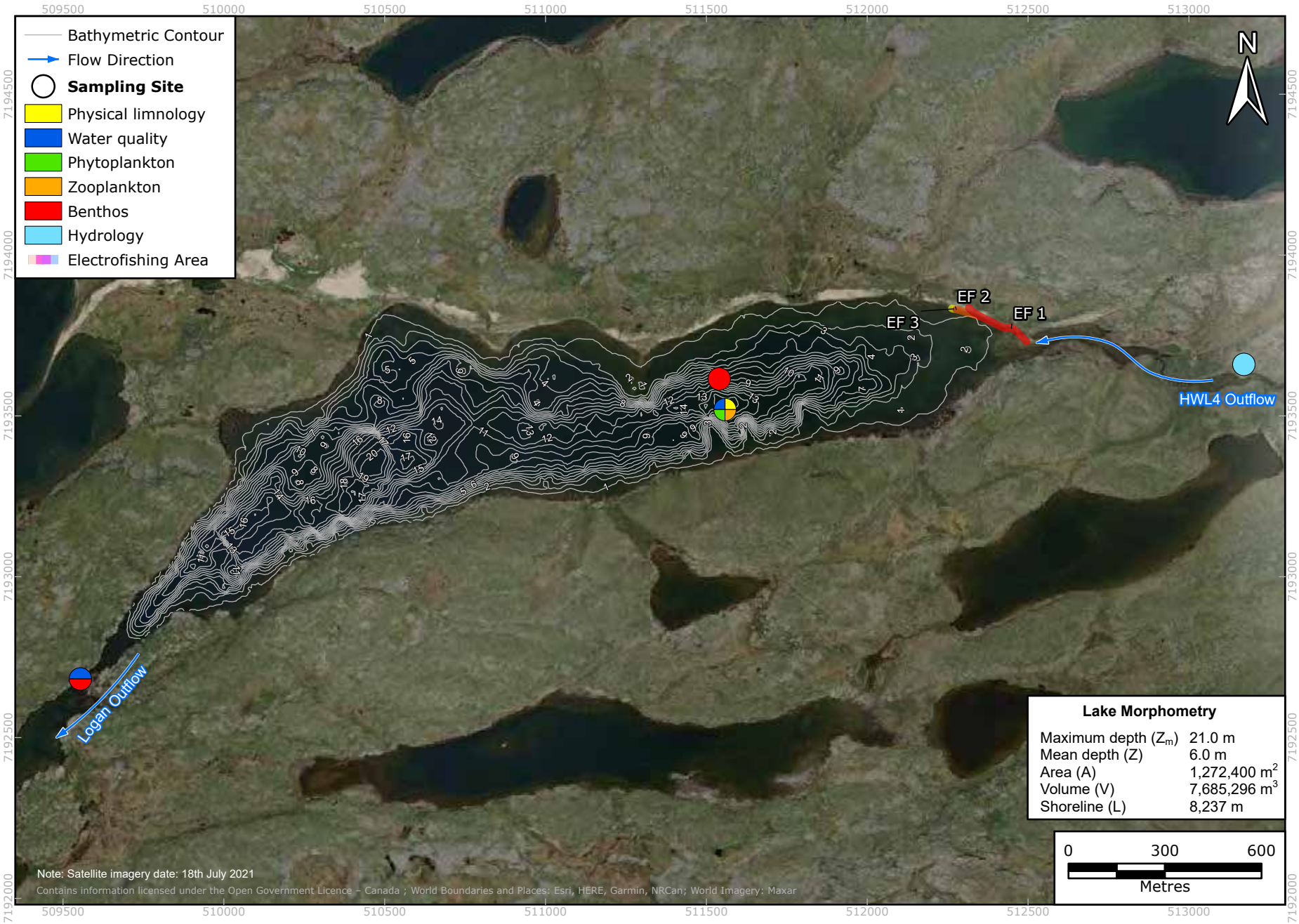


Figure 2.2-23 HWL4 Outflow, Logan Lake, and Logan Outflow AEMP Monitoring Sites, 2024

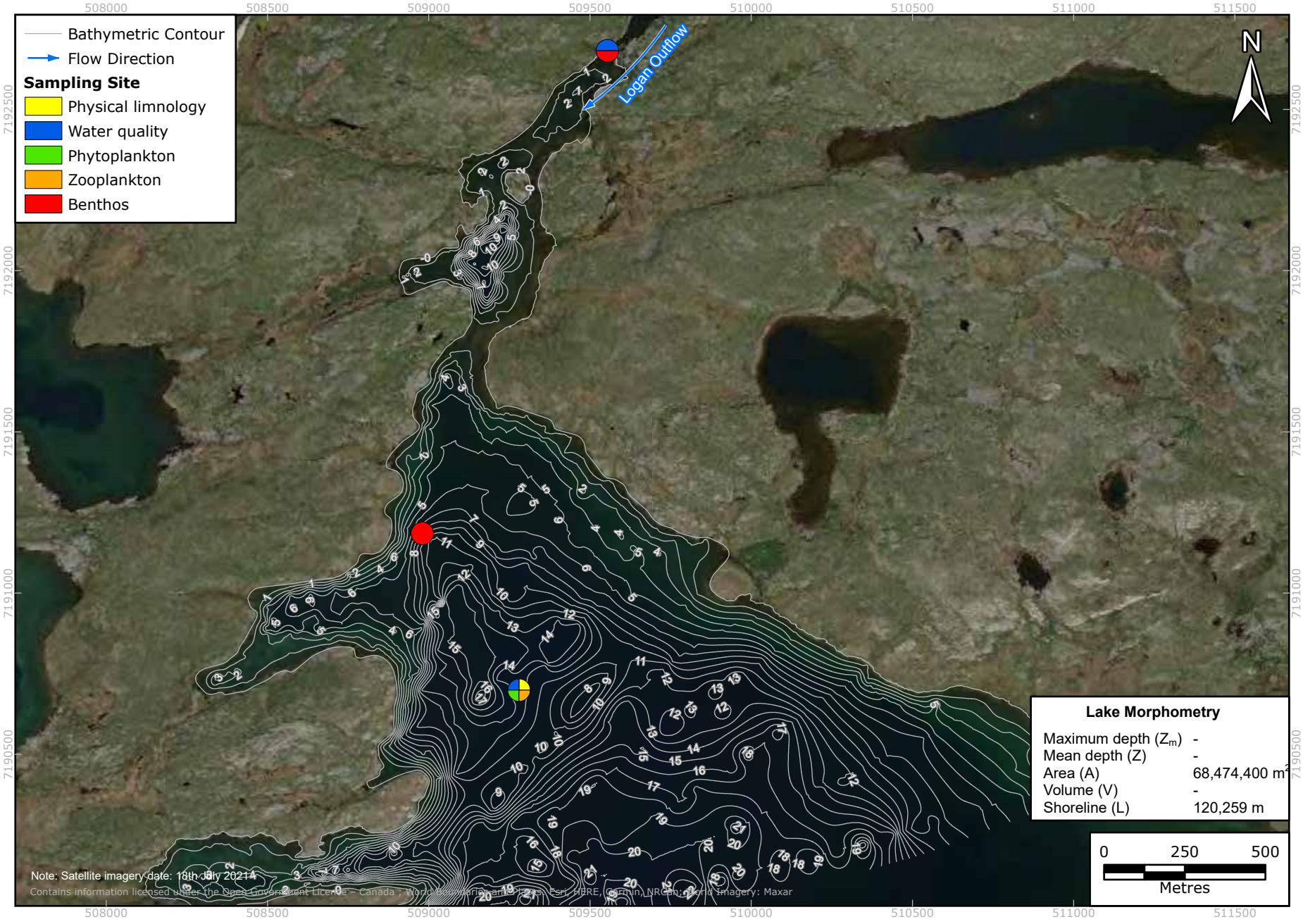


Figure 2.2-24 Logan Outflow and Lower Exeter Lake AEMP Monitoring Sites, 2024

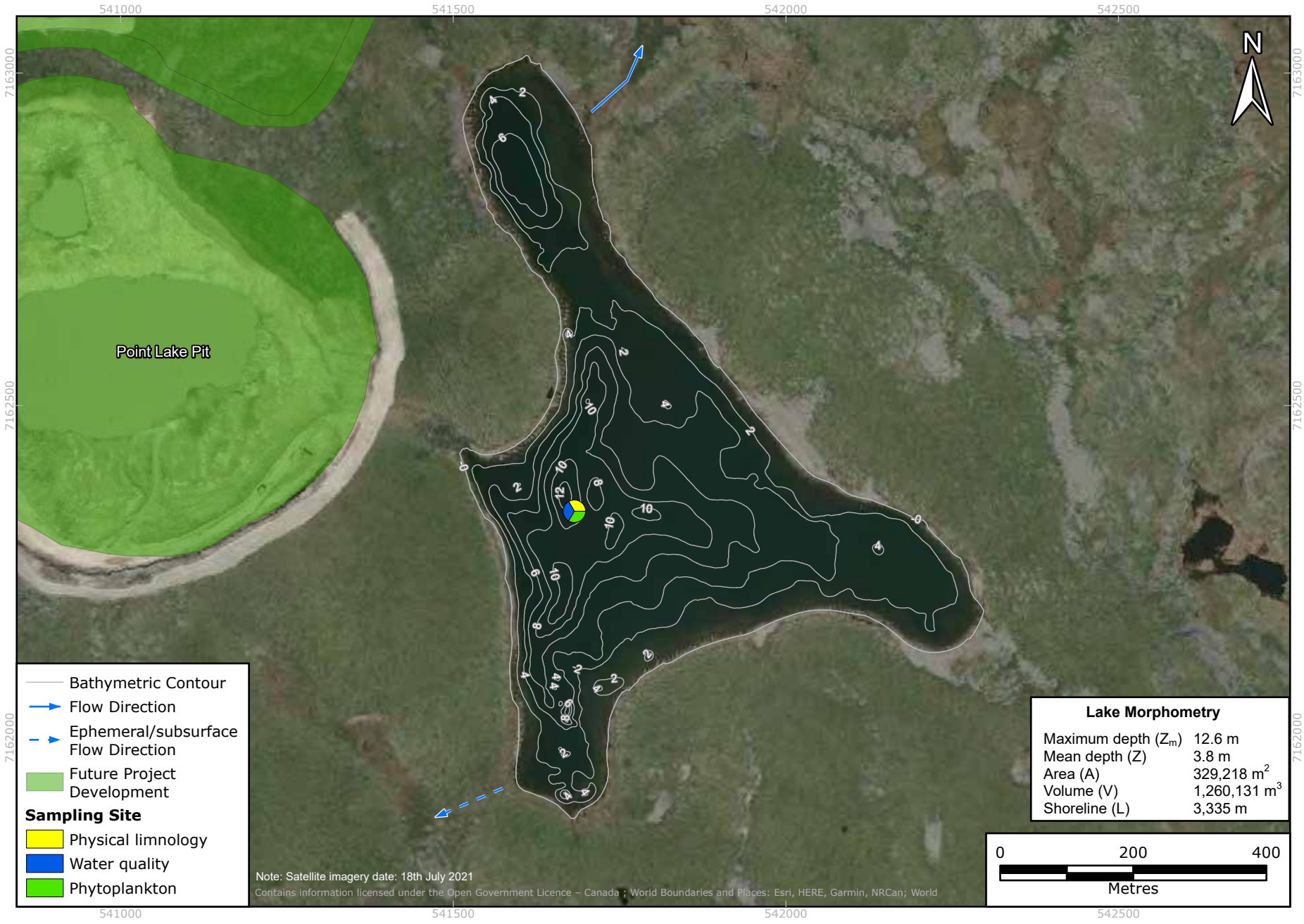


Figure 2.2-25 Connor Lake AEMP Monitoring Site, 2024

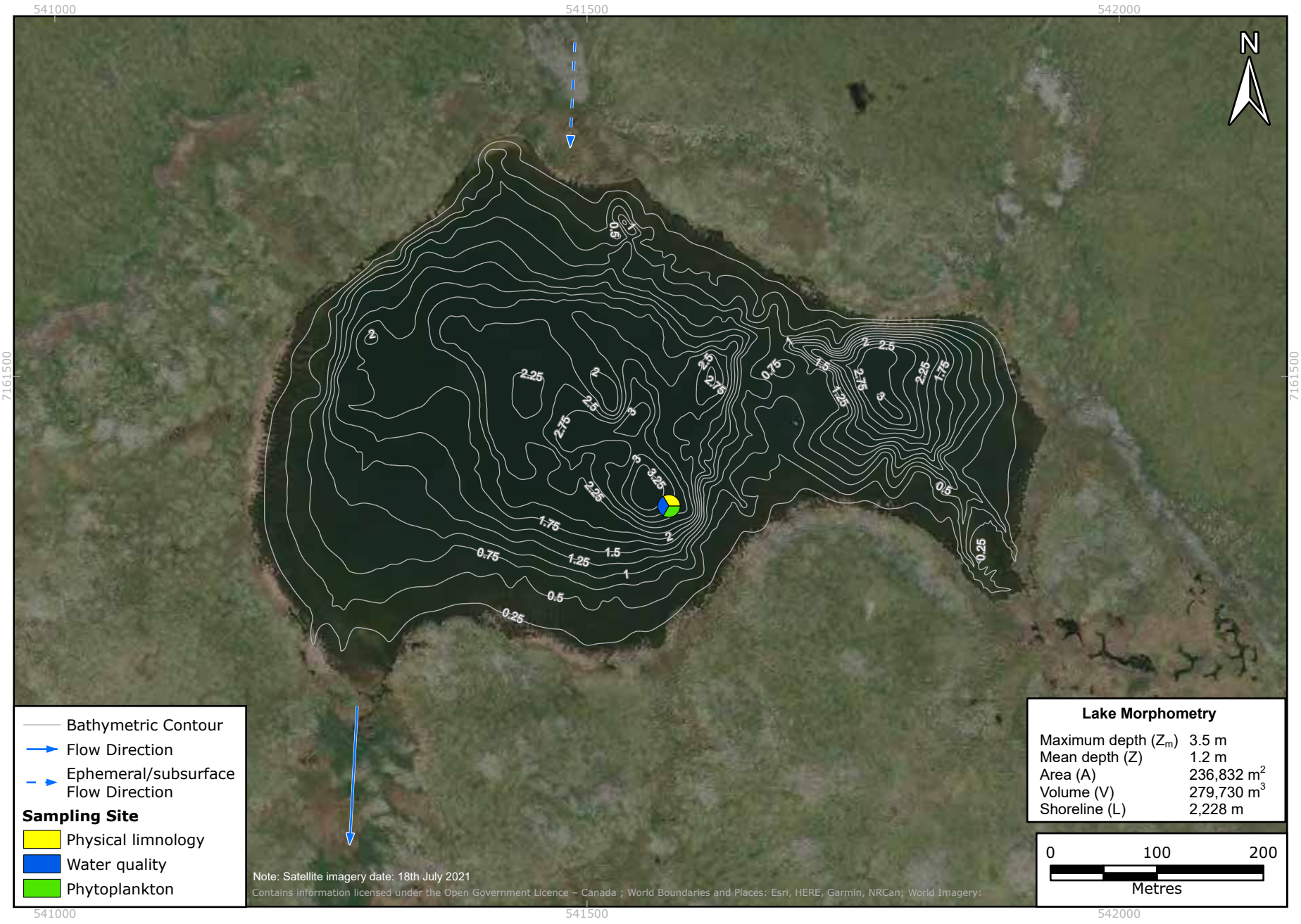


Figure 2.2-26 Alexia Lake AEMP Monitoring Site, 2024

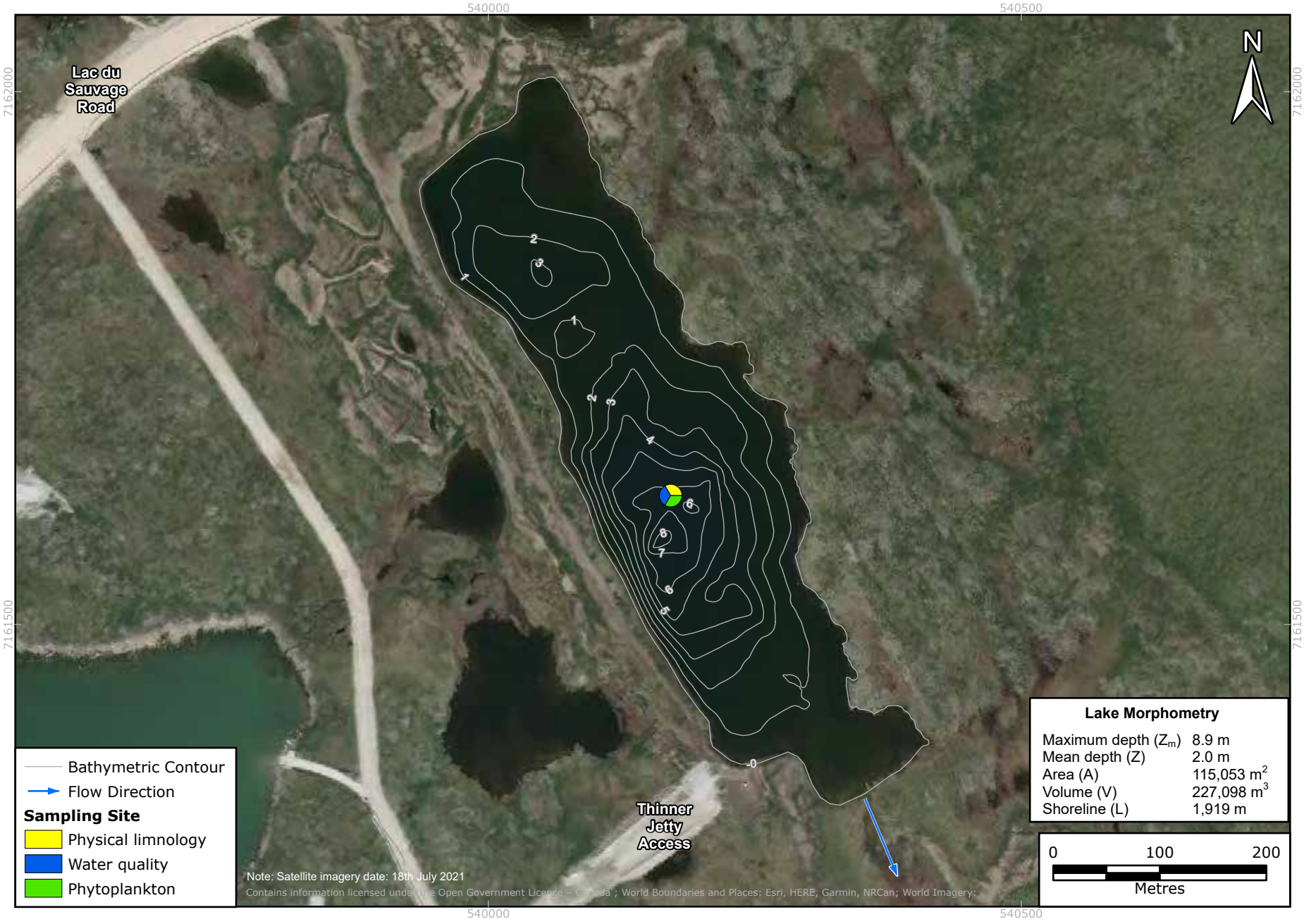


Figure 2.2-27 Thinner Lake AEMP Monitoring Site, 2024

2.3 Field Methods

Field methods used in 2024 followed those described in the Plan (ERM 2023a, 2024a) with the exception of any deviations noted in Section 2.3.1.

In 2024, the ice-covered season (late March-April) physical limnology and water quality sampling; the June and July stream water quality sampling; the May, June, July, September, October streamflow measurements; and the end of season hydrology station demobilisation were completed by Burgundy Diamond Mines Ltd. (Burgundy) staff. The freshet hydrology station installation and streamflow measurements; open-water lake sampling; and the August and September stream sampling were completed by ERM Consultants Canada Ltd. (ERM) scientists, assisted by Burgundy staff.

2.3.1 Method Deviations

In 2024, deviations from the field methods in the Plan (ERM 2023a, 2024a) included elevated analytical detection limit (DLs) for water quality variables. The DLs for water and sediment quality analyses as defined by the Plan (ERM 2023a, 2024a) are not always achievable. It is common in water and sediment quality analysis that some samples require dilution due to matrix interferences or to bring an analyte within the analytical calibration range. The DL for an analysis can also be influenced by the quantity of sample material that is available.

The target and reported DLs for water quality analyses are detailed in Section 3.3; instances where the sample value was less than the raised DL is annotated in the DL summary tables. It is not expected that the instances of raised DL have influenced the interpretation of long-term trends or the Evaluation of Effects as DLs remained low relative to most detectable values or were similar to, or slightly greater than, historically detectable concentrations for that variable and site over time. Concentrations less than the DL for water quality variables are indicated in the Evaluation of Effects figures using an open symbol to facilitate the consideration of DLs when interpreting the results.

For small- and large-bodied fish variables, method deviations in 2024 were:

- For Nanuq Lake small-bodied fish biology data, a malfunction with the laboratory scale affected weight measurements for 15 Slimy Sculpin, resulting in a smaller sample size for weight.
- For Counts Lake, an electronic tablet issue in the field resulted in the loss of gillnet set and retrieval times for 21 gillnets on August 20, 2024. Data for caught fish were recorded, and only the net set and retrieval times were lost. As a result, Counts Lake had only 9 gillnets with complete data to calculate catch per unit effort for large-bodied fish.
- A Round Whitefish egg count sample (LES24-RDWH-16) from Leslie Lake was mislabeled as being from a male fish when it was from a female fish. This egg count sample result was excluded from the dataset.
- The Round Whitefish egg count sample result for NAN24-RDWH-16 did not have matching field data for a female fish with recorded ovary weight. This egg count sample result was excluded from the dataset.
- The Round Whitefish egg count sample NEM24-RDWH-05 had laboratory information missing for the 500 µm sieve size. This sample was kept in the dataset, as the influence of this screen size on Round Whitefish egg count was likely minimal based on comparison to other 2024 samples.

- One out of the total of 30 Kodiak Lake Slimy Sculpin diet samples (KOD24-SLSC-34) included intestine instead of stomach, and therefore, this sample was excluded from the dataset.
- Several EROD samples arrived at the laboratory with evaporated dry ice. Because one out of the four shipped EROD sample boxes had dry ice present, the laboratory assumed the samples did not get warm and that the dry ice had evaporated very recently before the boxes were opened. EROD results did not indicate insufficient cooling during shipping.
- A batch of small-bodied fish liver EROD sample results were lost due to a software issue related to file extensions at the Queens University laboratory on November 12, 2024. The laboratory was able to repeat EROD analysis with the remaining tissue for the majority of the lost EROD results. However, there were 14 samples that did not have enough tissue left to repeat the analysis (see list below). One of the lost samples were substituted with an extra sample that was already at the laboratory: SB Liver KOD24-SLSC-09 was substituted with SB Liver KOD24-SLSC-16. However, a total of 13 small-bodied EROD samples were lost irrevocably out of the total 440 small-bodied fish EROD samples collected in 2024. As a response to this incident, Queens University laboratory has updated their standard operating procedure for plate and equipment preparation to emphasize the correct file saving protocol, and such data loss incidents are not expected to occur again in the future. The lost sample results were:
    - Counts CON24-SLSC-05;
    - HWL2 HW224-SLSC-17;
    - HWL2 HW224-SLSC-29;
    - Leslie LES24-SLSC-13;
    - Leslie LES24-SLSC-22;
    - Logan LOG24-SLSC-22;
    - Moose MOO24-SLSC-21;
    - Nanuq NAN24-SLSC-13;
    - Nanuq NAN24-SLSC-06;
    - Northeast NE24-SLSC-07;
    - Northeast NE24-SLSC-05;
    - Ross ROS24-SLSC-18; and
    - Vulture VUL24-SLSC-29.

3. 2024 AEMP Data

The sections below provide tabular summaries and discussions of AEMP data, including quality assurance and quality control (QA/QC) data, collected in 2024.

3.1 Hydrology

In 2024, hydrometric monitoring was completed at five AEMP streams (Table 3.1-1). Each stream was outfitted with an automated hydrometric station which continuously measured water surface elevation (stage) data. Manual stage and streamflow measurements were collected at each station throughout the open-water season (Table 3.1-2). As per the Plan (ERM 2023a, 2024a), three to five stage and streamflow measurements were completed at all stations.

On August 21, 2024, the Slipper-Lac de Gras pressure transducer malfunctioned and stopped measuring data; missing data were modelled from HWL4 Outflow station data that was scaled using regression techniques (Table 3.1-3).

Precipitation during the 2024 AEMP monitoring period was approximately 60% of a typical year (see Table 3.10-5-), resulting in reduced streamflow relative to long-term averages at AEMP hydrometric monitoring sites. Water level dropped below the pressure transducer sensor at the Horseshoe Outflow station on July 20, 2024 and remained below the sensor until August 27, 2024. Missing stage data for this period were estimated using a logarithmic decay equation and modelled from HWL4 Outflow station data that were scaled using regression techniques (Table 3.1-3). A site visit to Horseshoe Outflow occurred on July 26, 2024 and confirmed that water was flowing at this time. Flows estimated using the logarithmic decay equation and modeled data from HWL4 Outflow from July 20 to August 27indicated that no streamflow was detected at Horseshoe Outflow from July 28 to August 20. However, undetectable flows may have occurred at water levels below the pressure transducer sensor.

Rating curve equations for each station are presented in Table 3.1-4. Mean daily streamflow for each station is presented in Tables 3.1-5 to 3.1-9. Annual hydrographs are displayed graphically in Figures 3.1-1 to 3.1-5. Best practice guidelines use two-times the greatest manually measured streamflow as the recommended limit of reliable extrapolation (Rantz et al. 1982), all streamflows obtained from models extrapolated beyond this limit have higher uncertainty. Mean daily streamflow values with greater uncertainty in 2024 occurred at Cujo Outflow; these values are noted in Table 3.1-7 and presented in Figure 3.1-3, with two-times the maximum manually measured streamflow plotted for reference. Higher uncertainty at Cujo Outflow aligns with periods of pumping from the KPSF into Cujo Lake, when higher mean daily streamflow at Cujo Outflow (and higher levels in Cujo Lake) were observed (Figure 3.1-3). Field-measured streamflow values were completed at Cujo Outflow at periods of relatively lower flow compared to the annual maximum.

Water was pumped from Bearclaw Lake to North Panda Lake, which resulted in higher flows than would have occurred without pumping were observed at the Lower PDC. This pumping occurred June, July, August and September, with the largest volumes pumped in July. Elevated flows due to pumping are shown in Figure 3.1-1. The percentage of streamflow occurring each month was comparable to the long-term monthly distribution at the Lower LPC. Effluent from TRSP was pumped to Horseshoe Lake, which resulted in higher flows observed in Horseshoe Lake Outflow in September 2024. A summary of annual pumping data relevant to the AEMP is shown in Table 3.1-10. Hydrologic indices including annual unit yield and runoff are presented in Table 3.1-11. Hydrologic indices for 2024 are also presented alongside historical data in the Historical Stream Hydrology Appendix (Appendix D).

Table 3.1-1 Hydrometric Station Details for AEMP Streams, 2024

Hydrometric Station/Stream	Coordinates (m)		Drainage Area (km^2)	Date Installed	Date Demobilized
	Easting	Northing			
Lower PDC	518600	7175900	21	May 31, 2024	October 1, 2024
Slipper-Lac de Gras	507616	7164913	185	June 4, 2024	September 24, 2024[a]
Cujo Outflow	539000	7162100	3	June 4, 2024	September 23, 2024
Horseshoe Outflow	520321	7194273	11	June 3, 2024	September 21, 2024[b]
HWL4 Outflow	513169	7193616	78	June 3, 2024	September 20, 2024

Notes:
PDC = Panda Diversion Channel
Coordinates are presented in NAD83 UTM Zone 12N.
[a] Sensor malfunctioned on August 21, 2024.
[b] Water level dropped below the pressure transducer July 20 to August 27, 2024.

Table 3.1-2 Manual Stage and Streamflow Measurements for AEMP Streams, 2024

Hydrometric Station/Stream	Date	Stage (m)	Streamflow (m^3/s)
Lower PDC	31-May-24	99.255	0.527, 0.553
	9-Jun-24	99.192	0.318, 0.312
	28-Jul-24	99.049	0.033, 0.035
	1-Oct-24	99.137	0.204, 0.197
Slipper–Lac de Gras	4-Jun-24	99.480	4.068, 3.813
	29-Jun-24	99.383	1.172, 1.074
	29-Jul-24	99.344	0.644, 0.568
Cujo Outflow	2-Jun-24	99.667	0.076
	9-Jun-24	99.618	0.041, 0.045
	27-Jul-24	99.724	0.065, 0.060
	23-Sep-24	99.623	0.026
Horseshoe Outflow	3-Jun-24	99.296	0.080
	5-Jun-24	99.261	0.063, 0.066
	1-Jul-24	99.004	0.021, 0.022
	26-Jul-24	98.861	0.006, 0.005
	21-Sep-24	99.035	0.028, 0.031

Hydrometric Station/Stream	Date	Stage (m)	Streamflow (m^3/s)
HWL4 Outflow	3-Jun-24	99.602	2.215
	1-Jul-24	99.449	0.573, 0.595
	26-Jul-24	99.405	0.252, 0.197
	20-Sep-24	99.418	0.260, 0.254

Note:
PDC = Panda Diversion Channel

Table 3.1-3 Infilling of Missing Data in Annual Records for Slipper-Lac de Gras and Horseshoe Outflow, 2024

Hydrometric Station/Stream	Period of Infilling	Infilling Method	Local Station Used for Infilling	Concurrent Period to Develop Relationship	Regression Equation	R^2	RMSE
Slipper-Lac de Gras	August 22, 2024–September 20, 2024	Regression	HWL4 Outflow	June 24, 2024–August 21, 2024	$Q_s = 1.8644*(Q_{hs}) + 0.2236$	0.97	0.13
Horseshoe Outflow	July 21, 2024–July 29, 2024	Regression	HWL4 Outflow	June 3, 2024–June 20, 2024	$Q_{hs} = - 0.029*(Q_h)^2 + 0.1055*(Q_h) - 0.0209$	0.99	.002
Horseshoe Outflow	August 19, 2024–August 26, 2024	Logarithmic Recession	NA	NA	NA	NA	NA

Note:
Q_h = HWL4 Outflow; Q_s = Slipper-Lac de Gras; Q_{hs} = Horseshoe Outflow; RMSE = root mean square error;
NA = not applicable

Table 3.1-4 Rating Curve Equations for AEMP Hydrometric Stations, 2024

Hydrometric Station/Stream	Rating Period	Number of Points Used to Establish 2024 Rating Curve	RMS	Stage Height (m)	Rating Curve Equation
Lower PDC	2024	5	8.55	> 99.049	$Q = 0.522 * (h - 98.961)^{1.109}$
				≤ 99.049	$Q = 9.007 * (h - 98.961)^{2.283}$
Slipper-Lac de Gras	2024	3	8.7	All	$Q= 122.926 * (h - 99.169)^{2.997}$
Cujo Outflow	2024	10	14.14	All	$Q = 1.235 * (h - 99.452)^{2.261}$
Horseshoe Outflow	2024	5	7.75	All	$Q = 0.21 * (h - 98.753)^{1.637}$
HWL4 Outflow	2024	4	12.56	All	$Q = 35.877 * (h - 99.296)^{2.272}$

Note:
PDC = Panda Diversion Channel; Q = streamflow (m^3/s); h = stage height (m); RMS = root mean square deviate

Table 3.1-5 Mean Daily Streamflow and Monthly Summary for Station Lower PDC, 2024 Open-water Season

Day	May	June	July	August	September	October
1	-	0.473	0.124	0.038	0.133	0.170
2	-	0.406	0.117	0.038	0.129	0.098
3	-	0.367	0.111	0.036	0.081	*0.057*
4	-	0.335	0.138	0.036	0.057	*0.033*
5	-	0.310	0.248	0.035	0.044	*0.019*
6	-	0.292	0.291	0.034	0.040	*0.011*
7	-	0.312	0.292	0.033	0.037	*0.006*
8	-	0.319	0.297	0.031	0.042	*0.004*
9	-	0.313	0.291	0.030	0.041	*0.002*
10	-	0.316	0.287	0.028	0.047	*0.001*
11	-	0.315	0.273	0.027	0.043	*0.001*
12	-	0.309	0.267	0.027	0.044	*0.000*
13	-	0.307	0.259	0.026	0.045	*0.000*
14	-	0.293	0.251	0.024	0.045	*0.000*
15	*0.000*	0.285	0.241	0.023	0.050	*0.000*
16	*0.000*	0.387	0.233	0.023	0.052	*0.000*
17	*0.000*	0.403	0.156	0.028	0.054	*0.000*
18	*0.000*	0.389	0.104	0.061	0.090	*0.000*
19	*0.000*	0.279	0.083	0.102	0.118	*0.000*
20	*0.000*	0.230	0.068	0.127	0.115	*0.000*
21	*0.000*	0.208	0.060	0.139	0.111	*0.000*
22	*0.000*	0.197	0.055	0.124	0.111	*0.000*
23	*0.000*	0.188	0.052	0.123	0.109	*0.000*
24	*0.000*	0.175	0.047	0.134	0.111	*0.000*
25	*0.001*	0.167	0.042	0.124	0.127	*0.000*
26	*0.002*	0.158	0.039	0.118	0.165	*0.000*
27	*0.006*	0.151	0.037	0.144	0.172	*0.000*
28	*0.018*	0.144	0.035	0.159	0.169	-
29	*0.056*	0.133	0.034	0.140	0.163	-
30	*0.169*	0.127	0.033	0.132	0.160	-
31	*0.513*	NA	0.032	0.133	NA	-
Mean	**0.045**	**0.276**	**0.148**	**0.073**	**0.090**	**0.015**
Maximum	**0.513**	**0.473**	**0.297**	**0.159**	**0.172**	**0.170**
Minimum	**0.000**	**0.127**	**0.032**	**0.023**	**0.037**	**0.000**

Notes:
Streamflow units are m^3/s.
Estimated and modelled values are italicized.
Dash (-) = no data available; NA = not applicable

Table 3.1-6 Mean Daily Streamflow and Monthly Summary for Station Slipper-Lac de Gras, 2024 Open-water Season

Day	May	June	July	August	September	October
1	-	*0.557*	1.173	0.426	*0.438*	*0.007*
2	-	*1.394*	1.124	0.444	*0.449*	*0.005*
3	-	*3.485*	1.042	0.426	*0.474*	*0.003*
4	-	*3.648*	1.173	0.481	*0.481*	*0.002*
5	-	3.368	1.277	0.455	*0.481*	*0.001*
6	-	3.036	1.289	0.423	*0.474*	*0.001*
7	-	2.769	1.202	0.396	*0.473*	*0.001*
8	-	2.515	1.210	0.366	*0.489*	*0.000*
9	-	2.345	1.167	0.341	*0.522*	*0.000*
10	-	2.283	1.129	0.317	*0.528*	*0.000*
11	-	2.217	1.028	0.310	*0.514*	*0.000*
12	-	2.142	0.999	0.309	*0.532*	*0.000*
13	-	2.128	0.961	0.306	*0.547*	*0.000*
14	-	2.037	0.918	0.268	*0.554*	*0.000*
15	*0.000*	1.977	0.857	0.252	*0.576*	*0.000*
16	*0.000*	2.020	0.831	0.253	*0.598*	*0.000*
17	*0.000*	1.774	0.834	0.234	*0.608*	*0.000*
18	*0.000*	1.749	0.793	0.233	*0.708*	*0.000*
19	*0.000*	1.710	0.765	0.223	*0.770*	*0.000*
20	*0.000*	1.728	0.659	0.229	*0.785*	*0.000*
21	*0.000*	1.616	0.626	0.272	*0.511*	*0.000*
22	*0.000*	1.584	0.600	0.362	*0.333*	*0.000*
23	*0.000*	1.545	0.586	*0.358*	*0.217*	*0.000*
24	*0.000*	1.454	0.504	*0.358*	*0.141*	*0.000*
25	*0.001*	1.447	0.472	*0.349*	*0.092*	*0.000*
26	*0.002*	1.367	0.460	*0.344*	*0.060*	*0.000*
27	*0.006*	1.321	0.444	*0.376*	*0.039*	*0.000*
28	*0.014*	1.292	0.418	*0.409*	*0.025*	-
29	*0.036*	1.223	0.399	*0.414*	*0.017*	-
30	*0.089*	1.213	0.373	*0.407*	*0.011*	-
31	*0.223*	NA	0.348	*0.402*	NA	-

Day	May	June	July	August	September	October
Mean	**0.022**	**1.965**	**0.828**	**0.347**	**0.415**	**0.001**
Maximum	**0.223**	**3.648**	**1.289**	**0.481**	**0.785**	**0.007**
Minimum	**0.000**	**0.557**	**0.348**	**0.223**	**0.011**	**0.000**

Notes:
Streamflow units are m^3/s.
Estimated and modelled values are italicized.
Dash (-) = no data available; NA = not applicable

Table 3.1-7 Mean Daily Streamflow and Monthly Summary for Station Cujo Outflow, 2024 Open-water Season

Day	May	June	July	August	September	October
1	-	*0.006*	0.092	0.037	0.014	*0.001*
2	-	*0.013*	0.102	0.034	0.014	*0.001*
3	-	*0.029*	0.112	0.032	0.013	*0.001*
4	-	*0.064*	0.126	0.031	0.013	*0.000*
5	-	0.060	0.138	0.029	0.013	*0.000*
6	-	0.054	0.143	0.027	0.013	*0.000*
7	-	0.049	0.147	0.025	0.013	*0.000*
8	-	0.045	0.151	0.023	0.013	*0.000*
9	-	0.042	0.154[a]	0.021	0.013	*0.000*
10	-	0.040	0.154[a]	0.019	0.015	*0.000*
11	-	0.037	0.154[a]	0.017	0.016	*0.000*
12	-	0.034	0.156[a]	0.016	0.017	*0.000*
13	-	0.031	0.158[a]	0.013	0.018	*0.000*
14	-	0.029	0.159[a]	0.012	0.018	*0.000*
15	*0.000*	0.026	0.159[a]	0.012	0.019	*0.000*
16	*0.000*	0.025	0.158[a]	0.012	0.019	*0.000*
17	*0.000*	0.024	0.161[a]	0.011	0.019	*0.000*
18	*0.000*	0.022	0.163[a]	0.010	0.021	*0.000*
19	*0.000*	0.021	0.160[a]	0.010	0.024	*0.000*
20	*0.000*	0.019	0.159[a]	0.010	0.025	*0.000*
21	*0.000*	0.018	0.158[a]	0.009	0.024	*0.000*
22	*0.000*	0.016	0.136	0.010	0.023	*0.000*
23	*0.000*	0.014	0.114	0.010	0.023	*0.000*
24	*0.000*	0.014	0.095	0.011	*0.016*	*0.000*
25	*0.000*	0.021	0.081	0.011	*0.011*	*0.000*
26	*0.000*	0.031	0.072	0.011	*0.008*	*0.000*

Day	May	June	July	August	September	October
27	*0.000*	0.043	0.064	0.013	*0.005*	*0.000*
28	*0.000*	0.056	0.057	0.015	*0.004*	-
29	*0.001*	0.068	0.050	0.014	*0.003*	-
30	*0.001*	0.080	0.044	0.013	*0.002*	-
31	*0.003*	NA	0.039	0.013	NA	-
Mean	**0.000**	**0.034**	**0.123**	**0.017**	**0.015**	**0.000**
Maximum	**0.003**	**0.080**	**0.163**	**0.037**	**0.025**	**0.001**
Minimum	**0.000**	**0.006**	**0.039**	**0.009**	**0.002**	**0.000**

Notes:
Streamflow units are m^3/s.
Estimated and modelled values are italicized.
Dash (-) = no data available; NA = not applicable
[a] High uncertainty based on extrapolation of the rating curve beyond two times the greatest field measured streamflow in the current year.

Table 3.1-8 Mean Daily Streamflow and Monthly Summary for Station Horseshoe Outflow, 2024 Open-water Season

Day	May	June	July	August	September	October
1	-	*0.023*	0.021	*0.000*	0.015	*0.001*
2	-	*0.042*	0.020	*0.000*	0.017	*0.001*
3	-	*0.076*	0.019	*0.000*	0.019	*0.000*
4	-	0.075	0.020	*0.000*	0.020	*0.000*
5	-	0.072	0.019	*0.000*	0.020	*0.000*
6	-	0.070	0.018	*0.000*	0.021	*0.000*
7	-	0.067	0.017	*0.000*	0.022	*0.000*
8	-	0.064	0.017	*0.000*	0.024	*0.000*
9	-	0.061	0.016	*0.000*	0.026	*0.000*
10	-	0.060	0.014	*0.000*	0.027	*0.000*
11	-	0.059	0.014	*0.000*	0.024	*0.000*
12	-	0.056	0.013	*0.000*	0.027	*0.000*
13	-	0.054	0.012	*0.000*	0.028	*0.000*
14	-	0.052	0.011	*0.000*	0.027	*0.000*
15	*0.000*	0.050	0.009	*0.000*	0.026	*0.000*
16	*0.000*	0.052	0.008	*0.000*	0.026	*0.000*
17	*0.000*	0.048	0.008	*0.000*	0.025	*0.000*
18	*0.000*	0.045	0.007	*0.000*	0.030	*0.000*

Day	May	June	July	August	September	October
19	*0.000*	0.042	0.006	*0.000*	0.031	*0.000*
20	*0.000*	0.041	*0.005*[a]	*0.000*	0.030	*0.000*
21	*0.000*	0.039	*0.006*	*0.001*	0.030	*0.000*
22	*0.000*	0.038	*0.005*	*0.002*	*0.021*	*0.000*
23	*0.000*	0.037	*0.004*	*0.004*	*0.015*	*0.000*
24	*0.000*	0.034	*0.007*	*0.005*	*0.010*	*0.000*
25	*0.000*	0.032	*0.004*	*0.006*	*0.007*	*0.000*
26	*0.001*	0.030	*0.003*	*0.007*	*0.005*	*0.000*
27	*0.001*	0.029	*0.001*	*0.009*[b]	*0.004*	*0.000*
28	*0.002*	0.027	*0.000*	0.011	*0.003*	-
29	*0.004*	0.024	*0.000*	0.011	*0.002*	-
30	*0.007*	0.023	*0.000*	0.011	*0.001*	-
31	*0.013*	NA	*0.000*	0.011	NA	-
Mean	**0.002**	**0.047**	**0.010**	**0.006**	**0.019**	**0.000**
Maximum	**0.013**	**0.076**	**0.021**	**0.011**	**0.031**	**0.001**
Minimum	**0.000**	**0.023**	**0.000**	**0.000**	**0.001**	**0.000**

Notes:
Streamflow units are m^3/s.
Estimated and modelled values are italicized.
Dash (-) = no data available; NA = not applicable
[a] Stage dropped below the level of the pressure transducer on July 20, 2024.
[b] Stage rose above the level of the pressure transducer on August 27, 2024.

Table 3.1-9 Mean Daily Streamflow and Monthly Summary for Station HWL4 Outflow, 2024 Open-water Season

Day	May	June	July	August	September	October
1	-	*0.467*	0.435	0.208	0.115	*0.004*
2	-	*1.007*	0.425	0.190	0.121	*0.002*
3	-	*2.171*	0.413	0.169	0.134	*0.002*
4	-	2.007	0.447	0.177	0.138	*0.001*
5	-	1.789	0.441	0.163	0.138	*0.001*
6	-	1.601	0.433	0.148	0.134	*0.000*
7	-	1.446	0.424	0.136	0.134	*0.000*
8	-	1.294	0.421	0.125	0.142	*0.000*
9	-	1.183	0.407	0.115	0.160	*0.000*
10	-	1.095	0.405	0.107	0.163	*0.000*

Day	May	June	July	August	September	October
11	-	1.025	0.387	0.100	0.156	*0.000*
12	-	0.958	0.367	0.094	0.166	*0.000*
13	-	0.915	0.351	0.102	0.174	*0.000*
14	-	0.906	0.335	0.098	0.177	*0.000*
15	*0.000*	0.910	0.324	0.090	0.189	*0.000*
16	*0.000*	0.930	0.310	0.080	0.201	*0.000*
17	*0.000*	0.841	0.303	0.071	0.206	*0.000*
18	*0.000*	0.792	0.294	0.065	0.260	*0.000*
19	*0.000*	0.747	0.288	0.061	0.293	*0.000*
20	*0.000*	0.723	0.282	0.066	0.301	*0.000*
21	*0.000*	0.694	0.273	0.075	*0.201*	*0.000*
22	*0.000*	0.663	0.263	0.074	*0.135*	*0.000*
23	*0.000*	0.645	0.259	0.072	*0.090*	*0.000*
24	*0.001*	0.608	0.282	0.072	*0.060*	*0.000*
25	*0.002*	0.570	0.250	0.067	*0.040*	*0.000*
26	*0.005*	0.546	0.238	0.065	*0.027*	*0.000*
27	*0.010*	0.516	0.226	0.081	*0.018*	*0.000*
28	*0.022*	0.491	0.215	0.100	*0.012*	-
29	*0.047*	0.475	0.206	0.102	*0.008*	-
30	*0.101*	0.454	0.194	0.098	*0.005*	-
31	*0.217*	NA	0.183	0.096	NA	-
Mean	**0.024**	**0.949**	**0.325**	**0.105**	**0.137**	**0.000**
Maximum	**0.217**	**2.171**	**0.447**	**0.208**	**0.301**	**0.004**
Minimum	**0.000**	**0.454**	**0.183**	**0.061**	**0.005**	**0.000**

Notes:

Streamflow units are m^3/s.

Estimated and modelled values are italicized.

Dash (-) = no data available; NA = not applicable

Table 3.1-10 Pumping Activities for Bearclaw Lake, the LLCF, the KPSF, and the TRSP, 2024 AEMP Monitoring Period

Month	Bearclaw Lake		LLCF (1616-30)		KPSF (1616-43)		TRSP (0008-Sa3)	
	Discharge Volume (m^3)	Mean Discharge Flow (m^3/s)[a]	Discharge Volume (m^3)	Mean Discharge Flow (m^3/s)[a]	Discharge Volume (m^3)	Mean Discharge Flow (m^3/s)[a]	Discharge Volume (m^3)	Mean Discharge Flow (m^3/s)[a]
May	-	-	-	-	-	-	-	-
June	69,286	0.068	-	-	104,547	0.211	-	-
July	152,611	0.150	-	-	361,138	0.191	-	-
August	94,665	0.115	-	-	-	-	167,410	0.095
September	21,884	0.084	-	-	-	-	90,930	0.097
2024 AEMP Monitoring Period	**Total**	**Mean**	**Total**	**Mean**	**Total**	**Mean**	**Total**	**Mean**
	338,446	0.104	0	0	465,685	0.201	258,340	0.096

Notes:
Dash (-) = Pumping not active; KPSF = King Pond Settling Facility; LLCF = Long Lake Containment Facility; TRSP = Two Rock Sedimentation Pond
a Mean calculated for months when pumping occurred.

Table 3.1-11 Hydrological Indices for AEMP Hydrometric Stations, 2024

Hydrometric Station/Stream	Maximum Daily Flow (m^3/s)	Maximum Daily Unit Yield ($L/s/km^2$)	Minimum 7-Day Flow (m^3/s)	Minimum Daily Unit Yield ($L/s/km^2$)	Mean Daily Flow (m^3/s)	Runoff Depth (mm)[a]	Runoff Coefficient[a]
Lower PDC	0.51 (May 31, 2024)	24.43	0.025 (August 16, 2024)	1.077 (August 16, 2024)	0.115	78.3	0.39
Slipper-Lac de Gras	3.65 (June 4, 2024)	19.72	0.084 (September 29, 2024)	0.089 (September 29, 2024)	0.652	50.5	0.25
Cujo Outflow	0.16 (July 18, 2024)	54.33	0.002 (June 1, 2024)	0.859 (September 29, 2024)	0.035	168.2	0.85
Horseshoe Outflow[b]	0.076 (June 3, 2024)	6.94	<0.001 (July 28–August 20, 2024)	<0.001 (July 28–August 20, 2024)	0.015	18.9	0.01
HWL4 Outflow	2.171 (June 3, 2024)	27.84	0.036 (September 29, 2024)	0.103 (September 29, 2024)	0.279	51.3	0.26

Notes:

PDC = Panda Diversion Channel

Hydrological indices were calculated for the open-water period, May 15 to October 27, 2024.

[a] Based on 199 mm observed at Koala Stations (adjusted) over the water year (October 2023 to October 2024) presented in Table 3.10-5.

[b] Streamflow estimated to have ceased at Horseshoe Outflow between July 28, 2024 and August 20, 2024.

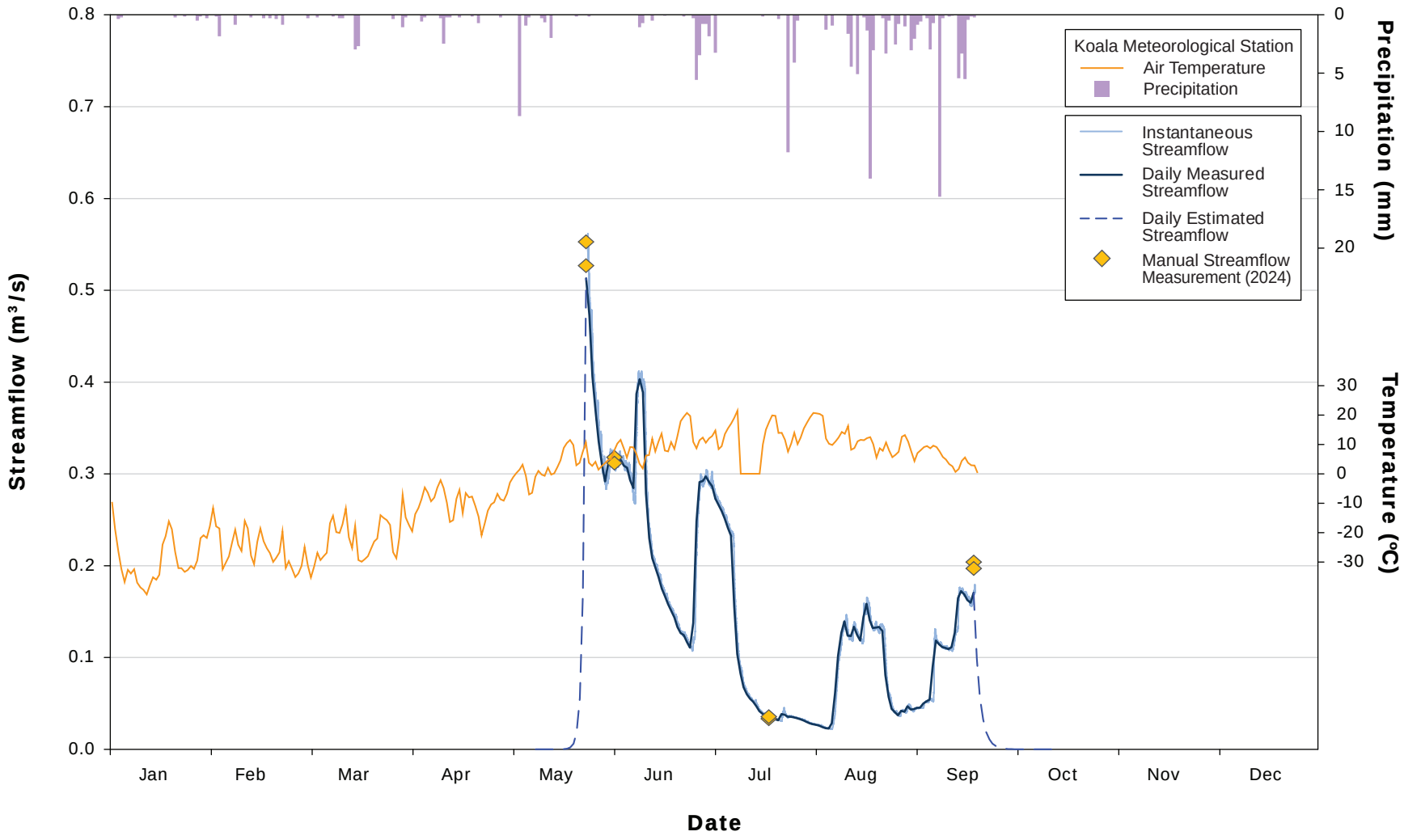


Figure 3.1-1 Annual Hydrograph for Station Lower PDC, 2024 Open-water Season

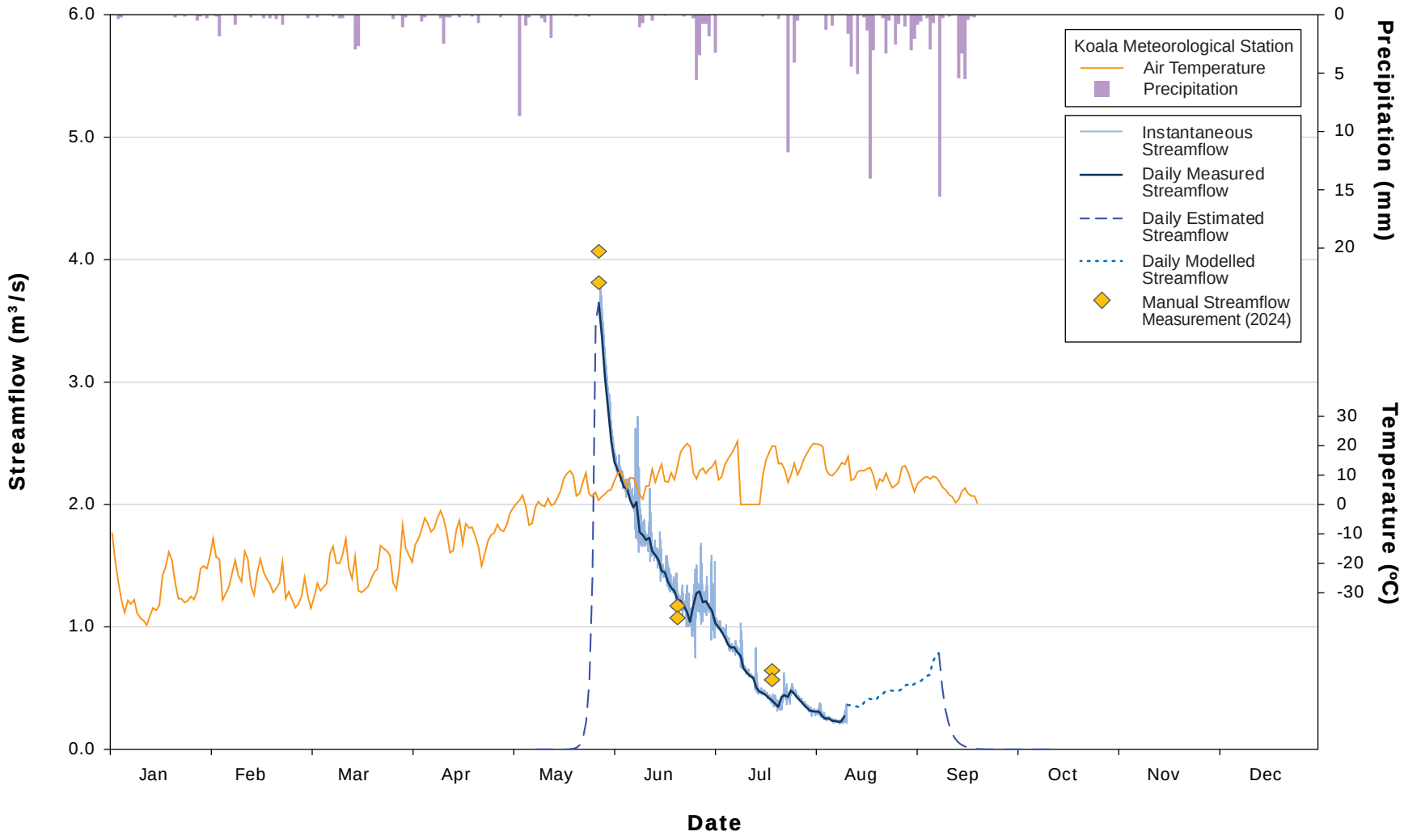


Figure 3.1-2 Annual Hydrograph for Station Slipper-Lac de Gras, 2024 Open-water Season

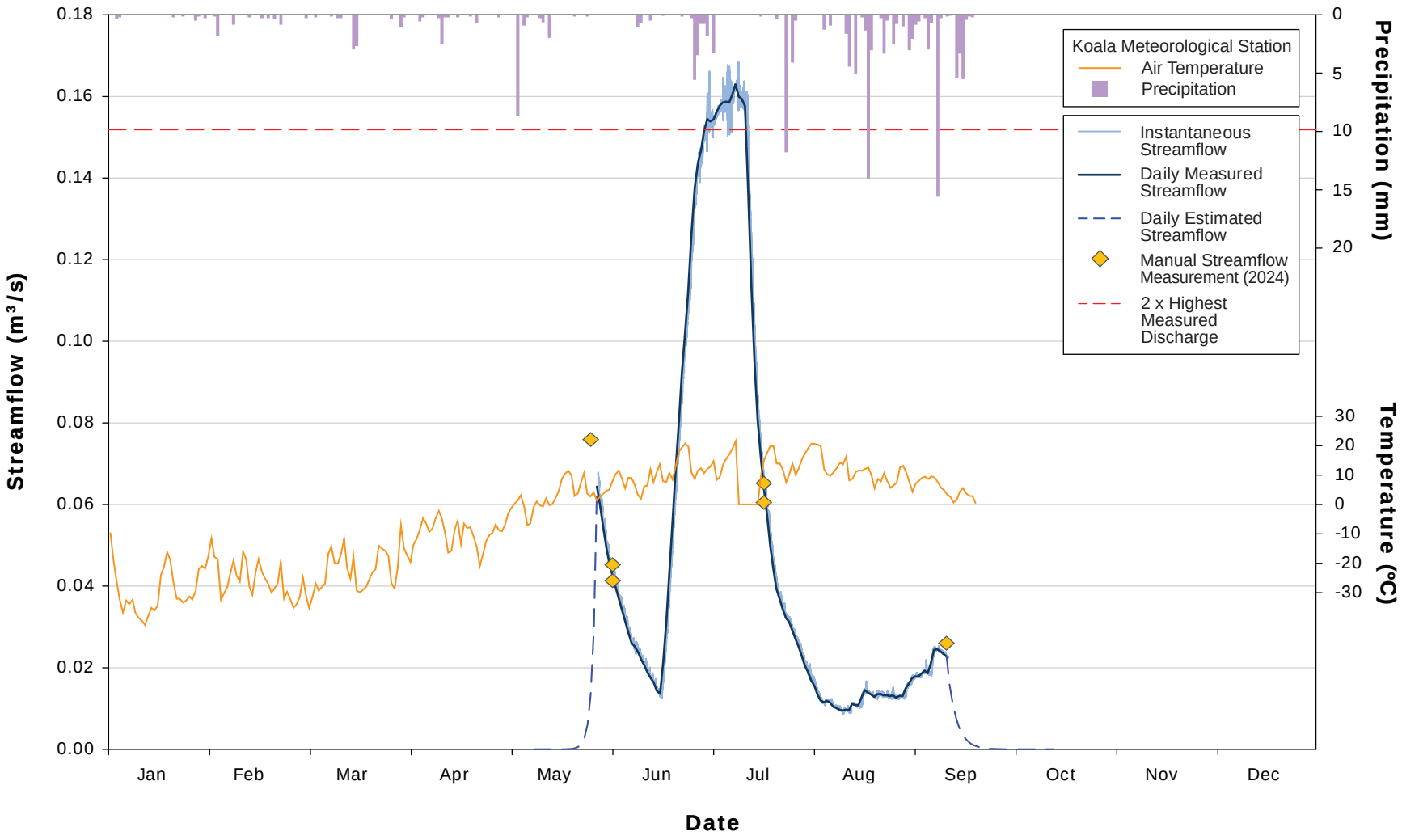


Figure 3.1-3 Annual Hydrograph for Station Cujo Outflow, 2024 Open-water Season

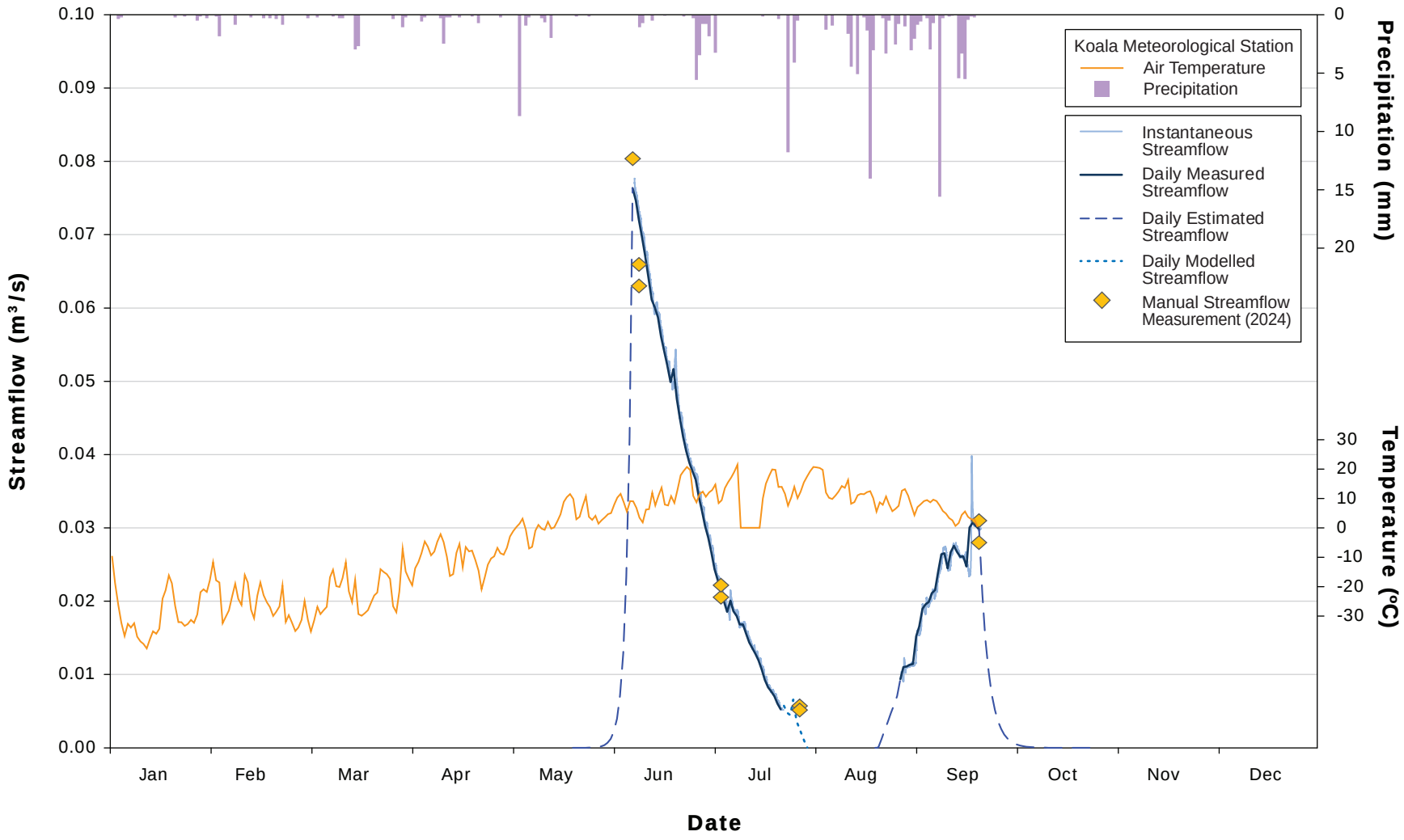


Figure 3.1-4 Annual Hydrograph for Station Horseshoe Outflow, 2024 Open-water Season

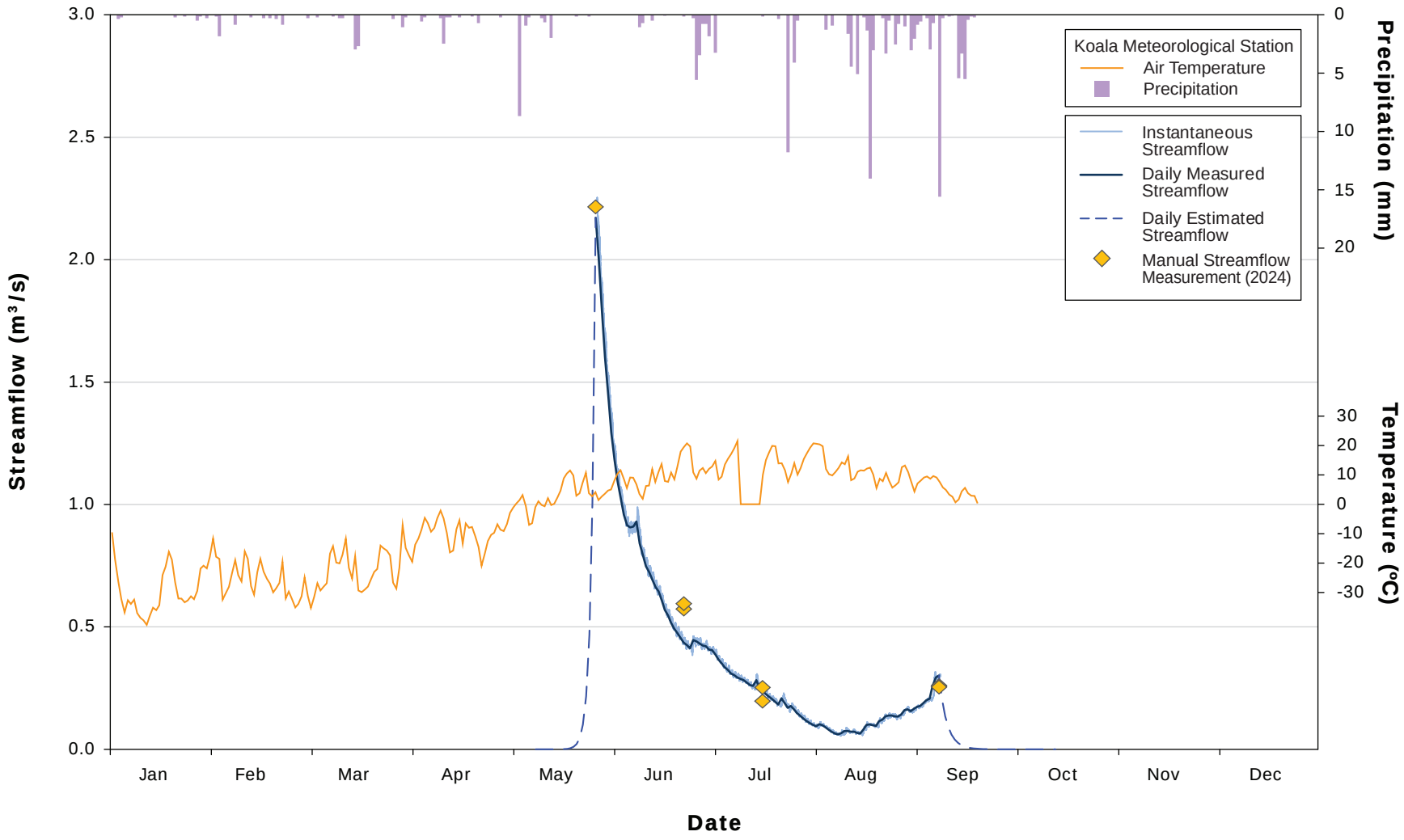


Figure 3.1-5 Annual Hydrograph for Station HWL4 Outflow, 2024 Open-water Season

3.2 Physical Limnology

3.2.1 Ice-covered Season Physical Limnology

Under-ice profiles of temperature and DO were measured in late March to early April for 23 AEMP lake sites. In addition, specific conductivity profiles were measured for Horseshoe Watershed lakes and Lower Exeter Lake, as per the Plan (ERM 2023a, 2024a). Site LdS2 in Lac du Sauvage is not sampled during the ice-covered season due to its shallow depth and the extent of ice. Sampling date, observed ice thickness, and profile data are presented in Table 3.2-1.

Table 3.2-1 Under-ice Temperature and Dissolved Oxygen Profiles for AEMP Lakes, 2024

Nanuq Lake—March 29, 2024—Ice Thickness: 1.32 m			
Depth (m)	**Temperature (°C)**	**DO (%)**	**DO (mg/L)**
1.3	0.0	92.9	13.60
1.8	0.2	96.8	14.07
3.0	0.5	99.0	14.27
4.0	0.7	97.9	14.03
5.0	0.8	97.3	13.92
6.2	0.9	94.3	13.46
7.0	1.0	91.6	13.03
8.0	1.0	90.8	12.90
8.5	1.1	88.9	12.60
10.0	1.2	85.3	12.06
11.0	1.3	80.6	11.36
12.1	1.4	79.5	11.18
13.0	1.5	75.3	10.57
14.0	1.5	73.3	10.28
15.0	1.6	72.9	10.21
16.1	1.6	72.0	10.06
17.0	1.7	71.0	9.90
18.0	1.7	68.5	9.55
19.0	1.8	65.1	9.06
20.0	1.8	63.0	8.76
21.0	1.9	60.8	8.44
22.0	1.9	58.4	8.10
23.0	2.0	51.5	7.13
24.0	2.0	48.3	6.67
25.0	2.1	42.0	5.80

Counts Lake—March 30, 2024—Ice Thickness: 1.21 m			
Depth (m)	**Temperature (°C)**	**DO (%)**	**DO (mg/L)**
1.1	0.0	93.6	13.69
1.5	0.4	96.2	13.91
2.0	0.9	95.9	13.68
2.5	1.2	93.9	13.27
3.0	1.5	90.5	12.68
3.5	1.7	83.8	11.68
4.0	1.8	78.5	10.92
4.5	1.9	69.7	9.68
5.0	2.0	59.4	8.21
5.5	2.1	54.4	7.50
6.0	2.2	51.4	7.07
6.5	2.3	48.6	6.68
7.0	2.3	45.6	6.24
7.5	2.4	42.4	5.80
8.0	2.5	38.8	5.30
8.5	2.5	34.2	4.67
9.0	2.7	21.3	2.90
9.5	2.7	18.6	2.52
10.0	2.8	14.9	2.01

Vulture Lake—March 28, 2024—Ice Thickness: 1.32 m			
Depth (m)	**Temperature (°C)**	**DO (%)**	**DO (mg/L)**
1.4	0.2	109.6	15.95
2.0	0.4	111.5	16.13
3.0	0.5	111.6	16.07
4.0	0.6	110.0	15.81
5.0	0.7	104.7	15.01
6.0	0.8	100.1	14.32
7.0	0.8	97.2	13.88
8.0	0.9	95.2	13.59

Vulture Lake—March 28, 2024—Ice Thickness: 1.32 m			
Depth (m)	**Temperature (°C)**	**DO (%)**	**DO (mg/L)**
9.0	0.9	93.9	13.37
10.0	1.0	93.0	13.24
11.0	1.0	92.2	13.11
12.0	1.0	91.9	13.06
13.0	1.1	91.4	12.96
14.0	1.1	90.7	12.85
15.0	1.2	90.1	12.74
16.0	1.2	89.4	12.63
17.0	1.3	89.0	12.54
18.0	1.5	89.0	12.49
19.0	1.6	87.8	12.29
20.0	1.8	88.6	12.34
21.0	1.9	88.3	12.24
22.0	2.1	88.1	12.17
23.0	2.2	88.5	12.19
24.0	2.3	88.3	12.13
25.0	2.3	87.4	11.98
26.0	2.4	87.4	11.96
27.0	2.4	86.6	11.84
28.0	2.5	85.6	11.69
29.0	2.5	84.8	11.57
30.0	2.5	82.5	11.24
31.0	2.6	80.3	10.93
32.0	2.6	78.6	10.69
33.0	2.7	74.8	10.16
34.0	2.7	71.4	9.68
35.0	2.8	64.3	8.70
35.7	2.9	57.1	7.70

Northeast Lake—April 1, 2024—Ice Thickness: 1.57 m				
Depth (m)	Temperature (°C)	DO (%)	DO (mg/L)	Specific Conductivity (µS/cm)
1.6	0.4	99.8	14.44	27.2
2.0	0.8	96.8	13.84	25.4
3.0	1.1	90.7	12.85	23.8
4.0	1.3	84.7	11.94	22.7
5.0	1.4	78.3	11.00	22.2
6.0	1.5	73.9	10.36	22.0
7.0	1.6	70.1	9.80	22.2
8.0	1.7	66.9	9.33	22.2
9.0	1.8	62.6	8.71	22.5
10.0	1.9	59.1	8.20	23.4
11.0	2.1	44.1	6.09	23.5
12.0	2.3	17.9	2.45	25.0
12.7	2.5	8.6	1.17	33.0

Kodiak Lake—April 9, 2024—Ice Thickness: 1.08 m			
Depth (m)	Temperature (°C)	DO (%)	DO (mg/L)
1.1	0.3	60.0	8.70
2.0	1.6	58.8	8.23
3.0	2.4	53.6	7.33
4.0	2.6	39.2	5.33
5.0	2.7	30.8	4.18
6.0	2.7	22.3	3.02
7.0	2.8	20.5	2.77
8.0	2.8	18.2	2.46
9.0	2.9	16.3	2.20
10.0	2.9	14.4	1.94
11.0	3.0	12.0	1.61
12.0	3.1	11.1	1.49

Leslie Lake—April 8, 2024—Ice Thickness: 1.21 m			
Depth (m)	**Temperature (°C)**	**DO (%)**	**DO (mg/L)**
1.1	0.3	64.8	9.37
2.0	1.0	63.6	9.02
3.0	1.1	62.1	8.77
4.0	1.2	58.6	8.26
5.0	1.2	53.8	7.58
6.0	1.3	53.3	7.50
7.0	1.3	51.7	7.25
8.0	1.3	48.4	6.79
9.0	1.3	46.7	6.55
10.0	1.3	48.1	6.76
11.0	1.6	41.8	5.83
11.9	1.7	35.4	4.92

Moose Lake—April 8, 2024—Ice Thickness: 1.40 m			
Depth (m)	**Temperature (°C)**	**DO (%)**	**DO (mg/L)**
1.5	0.4	77.3	11.17
2.0	0.7	76.9	11.01
2.5	0.9	76.6	10.92
3.0	0.9	75.7	10.77
3.5	1.0	74.9	10.64
4.0	1.1	74.0	10.49
4.5	1.2	73.2	10.35
5.0	1.3	71.9	10.15
5.5	1.3	70.5	9.93
6.0	1.4	66.4	9.34
6.5	1.5	62.6	8.77
7.0	1.6	57.6	8.04
7.5	1.7	46.0	6.40
8.0	1.8	36.8	5.12
8.5	1.9	29.1	4.04
9.0	2.0	24.7	3.41
9.4	2.2	20.2	2.78

Nema Lake—April 7, 2024—Ice Thickness: 1.11 m			
Depth (m)	**Temperature (°C)**	**DO (%)**	**DO (mg/L)**
1.1	0.5	61.8	8.90
1.5	1.2	60.8	8.60
2.0	1.7	59.8	8.33
2.5	1.9	55.3	7.66
3.0	1.9	49.9	6.90
3.5	2.0	45.8	6.34
4.0	2.0	44.3	6.11
4.5	2.1	43.8	6.04
5.0	2.2	43.0	5.92
5.5	2.2	41.4	5.70
6.0	2.2	40.0	5.49
6.5	2.3	38.1	5.23
7.0	2.4	37.4	5.11
7.5	2.4	36.7	5.02
8.0	2.3	36.3	4.97
8.5	2.4	35.6	4.86

Slipper Lake—April 6, 2024—Ice Thickness: 1.32 m			
Depth (m)	**Temperature (°C)**	**DO (%)**	**DO (mg/L)**
1.3	0.5	84.6	12.21
2.0	1.0	83.5	11.85
3.0	1.4	81.1	11.38
4.0	1.6	75.5	10.54
5.0	1.7	69.4	9.67
6.0	1.7	66.1	9.21
7.0	1.8	64.2	8.93
8.0	1.8	62.9	8.73
9.0	1.9	59.9	8.30
10.0	2.0	57.4	7.94
11.0	2.0	54.6	7.54

Slipper Lake—April 6, 2024—Ice Thickness: 1.32 m			
Depth (m)	**Temperature (°C)**	**DO (%)**	**DO (mg/L)**
12.0	2.1	51.5	7.10
13.0	2.1	49.5	6.82
13.9	2.3	41.7	5.72

S2—April 6, 2024—Ice Thickness: 1.13 m			
Depth (m)	**Temperature (°C)**	**DO (%)**	**DO (mg/L)**
1.3	0.0	105.6	15.47
1.5	0.0	104.7	15.30
2.0	0.1	103.5	15.09
2.5	0.1	102.1	14.87
3.0	0.2	101.3	14.73
3.8	0.2	101.0	14.68
4.0	0.3	99.3	14.40
4.5	0.4	97.4	14.09
5.0	0.6	96.4	13.87
5.7	0.6	95.9	13.79

S3—April 6, 2024—Ice Thickness: 1.05 m			
Depth (m)	**Temperature (°C)**	**DO (%)**	**DO (mg/L)**
1.1	0.0	103.9	15.21
2.0	0.0	103.2	15.07
3.0	0.1	99.6	14.49
4.0	0.2	96.9	14.07
5.0	0.3	94.8	13.76
6.0	0.3	93.6	13.56
7.0	0.4	93.8	13.57
8.0	0.6	91.3	13.13
9.0	1.0	87.5	12.45
10.0	1.4	70.2	9.87
11.0	1.7	68.3	9.52

S5—April 5, 2024—Ice Thickness: 1.29 m			
Depth (m)	**Temperature (°C)**	**DO (%)**	**DO (mg/L)**
1.5	0.0	103.6	15.17
2.0	0.1	98.1	14.32
3.0	0.1	96.2	14.03
4.0	0.2	90.2	13.11
5.0	0.3	88.6	12.86
6.0	0.4	88.7	12.85
7.0	0.4	88.2	12.75
8.0	0.5	88.7	12.80
9.0	0.5	88.8	12.79
10.0	0.6	88.7	12.74
11.0	0.7	88.1	12.64
12.0	0.8	87.4	12.51
13.0	0.9	84.2	12.02
14.0	1.0	80.9	11.50
15.0	1.1	77.3	10.94
16.0	1.3	76.1	10.73

S6—April 5, 2024—Ice Thickness: 1.09 m			
Depth (m)	**Temperature (°C)**	**DO (%)**	**DO (mg/L)**
1.1	0.1	94.9	13.83
2.0	0.1	90.9	13.24
3.0	0.2	88.0	12.81
4.0	0.2	86.5	12.57
5.0	0.2	85.9	12.48
6.0	0.3	86.1	12.49
7.1	0.3	86.2	12.50
8.0	0.4	86.5	12.50
9.0	0.4	86.4	12.48
10.0	0.5	86.7	12.49
11.0	0.6	86.6	12.47
11.8	0.6	86.5	12.42

S6—April 5, 2024—Ice Thickness: 1.09 m			
Depth (m)	**Temperature (°C)**	**DO (%)**	**DO (mg/L)**
13.0	0.7	86.0	12.33
14.0	0.7	85.6	12.26
15.1	0.8	84.8	12.13
15.9	0.9	84.0	11.99
17.0	0.9	82.9	11.81
18.0	1.0	82.5	11.75
19.0	1.0	81.8	11.63
20.0	1.1	81.4	11.55
20.8	1.1	81.2	11.51
22.0	1.2	80.3	11.36
23.0	1.2	79.2	11.19

Cujo Lake—March 31, 2024—Ice Thickness: 1.18 m			
Depth (m)	**Temperature (°C)**	**DO (%)**	**DO (mg/L)**
1.2	0.2	39.5	5.73
1.5	0.5	38.2	5.51
2.0	0.9	34.5	4.92
2.5	1.2	31.4	4.43
3.0	1.5	31.2	4.37
3.5	1.6	30.7	4.28
4.0	1.7	28.9	4.02
4.5	1.9	24.8	3.44
5.0	1.9	21.3	2.95
5.2	2.1	18.4	2.54

LdS1—March 31, 2024—Ice Thickness: 1.06 m			
Depth (m)	**Temperature (°C)**	**DO (%)**	**DO (mg/L)**
1.2	0.0	116.5	17.06
1.5	0.1	115.0	16.77
2.0	0.3	107.5	15.58
2.5	0.4	103.4	14.94

LdS1—March 31, 2024—Ice Thickness: 1.06 m			
Depth (m)	**Temperature (°C)**	**DO (%)**	**DO (mg/L)**
3.0	0.5	100.9	14.54
3.5	0.7	97.2	13.95
4.0	0.7	95.7	13.72
4.5	0.8	94.6	13.53
5.0	0.8	93.3	13.34
5.5	0.9	91.7	13.08
6.0	0.9	90.0	12.84
6.5	1.0	88.9	12.66

Fay Bay—April 3, 2024—Ice Thickness: 1.04 m			
Depth (m)	**Temperature (°C)**	**DO (%)**	**DO (mg/L)**
1.1	0.0	60.4	8.83
1.5	0.3	61.9	8.98
2.0	1.6	59.3	8.29
2.5	2.4	34.1	4.67
3.0	2.4	27.3	3.73
3.5	2.7	23.4	3.17
4.0	2.7	21.8	2.96
4.5	2.8	18.7	2.53
5.0	3.1	12.0	1.61
5.5	3.1	11.8	1.58
5.8	3.3	11.0	1.47

Upper Exeter Lake—April 3, 2024—Ice Thickness: 1.25 m			
Depth (m)	**Temperature (°C)**	**DO (%)**	**DO (mg/L)**
1.3	0.3	98.8	14.34
1.5	0.4	99.0	14.30
2.0	0.8	98.5	14.10
2.5	1.1	97.5	13.82
3.0	1.2	96.0	13.57
3.5	1.4	86.7	12.19

Upper Exeter Lake—April 3, 2024—Ice Thickness: 1.25 m			
Depth (m)	Temperature (°C)	DO (%)	DO (mg/L)
4.0	1.5	81.1	11.35
4.5	1.7	77.9	10.87
5.0	1.7	75.8	10.55
5.5	1.8	73.9	10.28
6.0	1.9	72.6	10.08
6.5	1.9	71.1	9.86
7.0	1.9	68.8	9.53
7.5	2.1	64.3	8.88
8.0	2.2	61.1	8.41

Ulu Lake—April 8, 2024—Ice Thickness: 1.41 m				
Depth (m)	Temperature (°C)	DO (%)	DO (mg/L)	Specific Conductivity (µS/cm)
1.4	0.4	93.6	13.55	59.6
2.0	1.1	93.3	13.22	57.3
2.5	1.7	90.6	12.65	56.1
3.0	2.3	87.0	11.96	54.7
3.5	2.7	80.6	10.95	53.4
4.0	3.1	59.9	8.05	52.9
4.5	3.4	31.5	4.20	55.1
5.0	3.5	22.3	2.97	57.0
5.5	3.6	10.3	1.37	59.8

Horseshoe Lake—April 8, 2024—Ice Thickness: 1.38 m				
Depth (m)	Temperature (°C)	DO (%)	DO (mg/L)	Specific Conductivity (µS/cm)
1.4	0.2	71.5	10.40	61.7
1.5	0.3	71.8	10.42	61.6
2.0	1.1	74.0	10.49	59.0
2.5	2.1	52.6	7.25	57.1
3.0	2.5	45.9	6.26	57.1
3.5	3.1	37.1	4.98	57.5
3.9	3.4	27.3	3.64	61.8

HWL2 Lake—April 7, 2024—Ice Thickness: 1.05 m				
Depth (m)	Temperature (°C)	DO (%)	DO (mg/L)	Specific Conductivity (µS/cm)
1.1	0.2	104.2	15.16	26.9
2.0	1.1	108.4	15.38	22.7
3.0	1.8	103.6	14.42	19.8
4.0	1.9	97.2	13.48	19.6
5.0	1.9	91.0	12.61	19.8
6.0	2.0	84.7	11.72	19.9
7.0	2.0	76.6	10.60	20.0
8.0	2.0	72.1	9.97	20.2
9.0	2.1	67.0	9.25	20.1
10.0	2.1	63.3	8.74	19.9
11.0	2.1	58.2	8.02	19.8
12.0	2.1	54.7	7.54	19.9
13.0	2.2	54.7	7.54	20.2
14.0	2.2	54.7	7.52	20.3
15.0	2.3	45.9	6.31	20.5
16.0	2.5	28.7	3.92	21.5
16.6	2.6	15.4	2.09	24.7

Ross Lake—April 7, 2024—Ice Thickness: 1.30 m				
Depth (m)	Temperature (°C)	DO (%)	DO (mg/L)	Specific Conductivity (µS/cm)
1.3	0.2	105.7	15.37	23.8
2.0	0.8	109.7	15.70	22.2
3.0	1.4	109.7	15.42	20.2
4.0	1.9	101.5	14.08	19.3
5.0	2.3	86.5	11.88	19.6
6.0	2.6	60.2	8.20	20.5
7.0	2.8	52.6	7.12	21.8
8.0	2.9	45.7	6.18	22.4
9.0	3.0	43.1	5.81	23.1
10.0	3.0	35.5	4.78	23.9
10.8	3.1	31.5	4.23	24.7

Logan Lake—April 6, 2024—Ice Thickness: 1.30 m				
Depth (m)	Temperature (°C)	DO (%)	DO (mg/L)	Specific Conductivity (µS/cm)
1.3	0.3	102.1	14.81	23.4
2.0	0.7	103.3	14.81	21.5
3.0	0.9	98.6	14.04	20.6
4.0	1.1	94.8	13.45	20.4
5.0	1.1	89.3	12.65	20.9
6.0	1.2	86.7	12.25	21.4
7.0	1.3	83.7	11.80	22.0
8.0	1.5	81.0	11.37	21.3
9.0	1.6	78.8	11.03	20.9
10.0	1.7	76.9	10.72	21.1
11.0	2.2	66.5	9.16	21.4
12.0	2.7	39.7	5.38	23.5
13.0	3.1	19.6	2.63	25.5
14.0	3.6	5.7	0.76	34.2

Lower Exeter Lake—April 6, 2024—Ice Thickness: 1.41 m				
Depth (m)	Temperature (°C)	DO (%)	DO (mg/L)	Specific Conductivity (µS/cm)
1.4	0.1	107.4	15.67	22.6
2.0	0.2	108.0	15.71	21.9
3.0	0.3	105.6	15.30	21.2
4.0	0.5	101.7	14.67	20.3
5.0	0.6	97.3	13.99	19.7
6.0	0.7	93.4	13.40	19.7
7.0	0.7	92.3	13.22	20.1
8.0	0.8	91.1	13.01	20.0
9.0	0.9	89.8	12.80	20.0
10.0	1.0	89.4	12.72	20.3
11.0	1.3	79.0	11.14	20.5

Note:
DO = dissolved oxygen

3.2.2 Open-water Season Physical Limnology

Open-water profiles of temperature, DO, and specific conductivity were measured from late July to mid-August for 27 AEMP lake sites. Sampling date and profile data are presented in Table 3.2-2.

Table 3.2-2 Open-water Temperature, Dissolved Oxygen, and Specific Conductivity Profiles for AEMP Lakes, 2024

Nanuq Lake—July 31, 2024				
Depth (m)	**Temperature (°C)**	**Dissolved Oxygen (%)**	**Dissolved Oxygen (mg/L)**	**Specific Conductivity (µS/cm)**
0.1	16.0	93.6	9.24	14.0
1.1	16.0	93.7	9.25	13.9
2.0	16.0	93.8	9.26	13.9
3.1	16.0	93.8	9.26	13.9
4.0	16.0	93.9	9.27	13.9
5.1	16.0	93.9	9.27	13.9
6.0	15.9	94.0	9.29	13.9
7.0	15.9	94.0	9.30	13.9
8.4	13.9	93.9	9.68	14.1
9.0	13.5	95.1	9.90	13.9
10.0	13.0	96.0	10.11	13.7
10.9	11.6	96.5	10.48	13.7
12.0	11.0	96.7	10.66	13.7
13.3	9.1	96.4	11.10	13.9
13.9	8.8	96.5	11.21	13.6
15.0	8.6	96.4	11.23	13.6
15.8	7.5	95.2	11.40	13.7
17.0	7.4	95.2	11.43	13.6
18.2	6.9	94.6	11.50	13.7
19.0	6.6	93.8	11.51	13.7
20.0	6.4	93.3	11.48	13.7
21.3	6.2	92.1	11.40	13.7
22.1	6.1	91.5	11.35	13.8
23.3	6.0	90.9	11.30	13.8
24.0	6.0	90.3	11.24	13.8

Nanuq Lake—July 31, 2024				
Depth (m)	Temperature (°C)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Specific Conductivity (µS/cm)
24.9	5.9	89.8	11.19	13.8
25.8	5.9	89.6	11.18	13.8

Counts Lake—July 30, 2024				
Depth (m)	Temperature (°C)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Specific Conductivity (µS/cm)
0.1	17.1	95.4	9.19	15.9
1.0	17.1	95.3	9.19	15.9
1.7	17.1	95.1	9.17	15.9
3.0	17.1	95.0	9.16	15.9
4.1	17.1	94.9	9.16	15.9
5.2	17.0	94.5	9.12	15.9
6.0	16.8	93.6	9.08	15.9
7.1	16.6	92.9	9.05	16.0
8.0	13.1	86.7	9.08	16.5
9.0	10.9	81.5	8.98	16.9
10.3	10.2	72.2	8.12	16.2

Vulture Lake—July 30, 2024				
Depth (m)	Temperature (°C)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Specific Conductivity (µS/cm)
0.5	15.6	93.8	9.34	13.1
1.3	15.6	93.8	9.34	13.2
2.0	15.6	93.8	9.34	13.2
3.0	15.6	93.7	9.33	13.2
4.1	15.4	93.4	9.33	13.2
5.1	15.3	93.4	9.36	13.2
5.9	15.2	93.8	9.42	13.1
7.0	15.0	93.7	9.43	13.1
7.7	12.8	93.0	9.82	13.6
9.0	11.8	93.0	10.06	13.4
10.2	10.9	93.5	10.33	13.0

Vulture Lake—July 30, 2024				
Depth (m)	Temperature (°C)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Specific Conductivity (µS/cm)
11.0	10.3	95.1	10.65	13.0
12.0	10.0	94.9	10.71	13.0
13.4	7.7	94.1	11.23	13.2
14.1	7.6	94.4	11.30	13.0
15.2	7.1	94.2	11.38	12.9
16.0	6.4	93.7	11.52	12.9
17.0	6.2	93.9	11.62	12.9
17.8	6.0	94.0	11.70	12.9
19.0	5.9	93.8	11.70	12.9
20.2	5.8	93.5	11.70	12.9
21.0	5.7	93.2	11.69	12.9
22.1	5.6	92.8	11.66	13.0
24.0	5.5	91.6	11.53	13.0
25.0	5.5	91.5	11.53	13.0
25.7	5.5	91.2	11.51	13.0
27.0	5.4	90.9	11.48	13.1
28.0	5.4	90.7	11.47	13.1
28.9	5.4	90.7	11.46	13.1
29.8	5.4	90.5	11.45	13.1
30.9	5.4	90.3	11.43	13.1

Northeast Lake—July 27, 2024				
Depth (m)	Temperature (°C)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Specific Conductivity (µS/cm)
0.1	17.1	95.6	9.23	16.6
1.0	17.0	95.9	9.27	16.6
2.0	16.8	95.7	9.28	16.6
3.0	16.7	95.3	9.26	16.6
4.0	16.5	94.3	9.22	16.6
5.0	16.0	93.9	9.27	16.6
6.0	14.7	92.5	9.39	16.5

Northeast Lake—July 27, 2024				
Depth (m)	Temperature (°C)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Specific Conductivity (µS/cm)
7.0	10.8	98.8	10.93	16.3
8.0	8.6	99.4	11.61	16.2
9.0	7.5	94.1	11.28	16.3
10.0	7.0	84.0	10.20	16.3
11.0	6.7	78.1	9.54	16.3
12.0	6.6	73.7	9.03	16.3
13.0	6.5	67.9	8.35	16.4

Kodiak, Lake—August 4, 2024				
Depth (m)	Temperature (°C)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Specific Conductivity (µS/cm)
0.1	14.9	94.1	9.52	55.9
1.0	14.9	94.0	9.50	55.9
1.6	14.9	93.9	9.49	55.9
3.0	14.9	93.7	9.47	55.9
4.0	14.9	93.7	9.47	55.8
4.7	14.7	92.3	9.36	56.0
6.0	14.6	90.8	9.24	55.1
7.0	14.6	90.5	9.21	55.1
7.9	14.5	89.7	9.15	55.1
9.0	14.3	86.1	8.83	55.1
10.0	13.7	70.6	7.32	55.3
11.1	12.7	46.2	4.89	55.4

Leslie Lake—August 4, 2024				
Depth (m)	Temperature (°C)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Specific Conductivity (µS/cm)
0.3	14.8	91.6	9.26	689
1.6	14.8	91.6	9.26	690
2.0	14.8	91.6	9.26	690
3.1	14.8	91.6	9.26	690
3.8	14.7	91.5	9.26	690

Leslie Lake—August 4, 2024				
Depth (m)	**Temperature (°C)**	**Dissolved Oxygen (%)**	**Dissolved Oxygen (mg/L)**	**Specific Conductivity (µS/cm)**
5.0	14.7	91.4	9.25	689
6.1	14.7	91.3	9.25	689
6.8	14.6	91.1	9.24	690
8.0	14.2	86.4	8.84	696
9.1	7.2	73.3	8.79	944
9.8	5.0	64.3	8.16	1,095
11.0	4.7	55.6	7.12	1,114
11.9	4.5	53.5	6.89	1,122

Moose Lake—August 3, 2024				
Depth (m)	**Temperature (°C)**	**Dissolved Oxygen (%)**	**Dissolved Oxygen (mg/L)**	**Specific Conductivity (µS/cm)**
0.1	14.4	92.8	9.47	260
0.5	14.3	93.7	9.59	259
0.8	14.3	93.7	9.60	259
1.5	14.2	93.7	9.60	259
2.0	14.1	93.6	9.61	259
2.3	13.9	93.2	9.61	260
3.1	13.9	93.1	9.61	260
3.5	13.8	93.1	9.63	260
4.0	13.7	92.6	9.61	260
4.2	13.6	92.5	9.60	260
5.0	13.6	92.4	9.60	259
5.5	13.4	91.7	9.57	262
6.3	13.1	84.2	8.84	263
6.5	9.4	86.6	9.61	275
7.0	7.7	82.1	9.78	231
7.2	7.2	79.5	9.59	230
8.0	6.8	73.1	8.90	230
8.6	6.2	55.5	6.88	233

Nema Lake—August 2, 2024				
Depth (m)	Temperature (°C)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Specific Conductivity (µS/cm)
0.1	14.5	97.0	9.89	149
0.1	14.5	96.8	9.87	149
1.1	14.5	96.2	9.80	149
1.5	14.5	93.7	9.55	149
2.0	14.5	92.1	9.39	149
2.5	14.5	91.5	9.33	149
3.2	14.5	91.5	9.33	149
3.5	14.5	91.4	9.31	150
4.0	14.5	91.0	9.28	150
4.5	14.5	90.8	9.26	150
5.0	14.4	90.5	9.23	150
5.5	14.4	90.1	9.21	150
6.0	14.3	90.1	9.21	149
6.5	14.3	89.9	9.20	149
7.0	14.3	89.6	9.17	149
7.3	14.3	89.4	9.16	149
8.1	14.3	89.4	9.16	149
8.5	14.3	89.2	9.14	149
8.8	14.1	88.3	9.07	150

Slipper Lake—August 2, 2024				
Depth (m)	Temperature (°C)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Specific Conductivity (µS/cm)
0.4	15.1	90.4	9.10	86.4
1.1	15.1	90.4	9.10	86.4
1.8	15.1	90.2	9.08	86.4
3.0	15.1	90.1	9.07	86.4
3.9	15.0	89.9	9.06	86.4
4.8	14.8	89.2	9.03	86.5
6.0	14.8	88.1	8.92	86.7
7.0	14.7	87.7	8.90	86.7
7.7	8.4	69.5	8.11	95.7

Slipper Lake—August 2, 2024				
Depth (m)	Temperature (°C)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Specific Conductivity (µS/cm)
9.0	7.4	66.9	8.04	92.5
10.0	7.3	66.0	7.96	92.0
11.2	6.6	62.5	7.67	92.7
12.0	6.4	61.0	7.52	92.8
13.0	6.3	59.8	7.39	93.0
13.9	6.2	57.7	7.15	93.3

S2—July 31, 2024				
Depth (m)	Temperature (°C)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Specific Conductivity (µS/cm)
0.2	15.1	98.4	9.90	42.0
0.3	15.1	98.1	9.87	42.2
1.1	15.1	98.1	9.87	42.2
1.5	15.1	97.9	9.85	42.4
2.0	15.1	98.1	9.87	41.8
2.5	15.1	97.9	9.85	42.2
3.0	15.1	98.1	9.87	41.6
3.5	15.0	98.1	9.88	40.2
4.0	14.7	98.2	9.96	38.8
4.4	14.3	98.2	10.05	39.3
5.2	14.3	98.2	10.06	39.4
5.5	12.7	98.3	10.41	38.5
6.1	12.5	97.9	10.42	38.2
6.3	11.1	100.7	11.06	35.8

S3—July 31, 2024				
Depth (m)	Temperature (°C)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Specific Conductivity (µS/cm)
0.1	14.9	97.8	9.88	36.8
1.0	14.9	99.3	10.03	37.0
2.0	14.9	99.6	10.07	36.8
3.0	14.7	99.7	10.12	36.6

S3—July 31, 2024				
Depth (m)	Temperature (°C)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Specific Conductivity (µS/cm)
4.0	12.9	103.9	10.96	34.4
5.0	11.9	104.2	11.26	34.6
6.0	11.0	104.3	11.49	34.2
7.0	10.7	103.9	11.52	34.1
8.0	10.2	103.0	11.56	33.9
9.0	9.9	102.3	11.58	33.8
10.0	9.8	101.8	11.54	33.9
11.1	9.6	100.7	11.48	33.9
12.0	9.4	100.1	11.45	33.9

S5—July 31, 2024				
Depth (m)	Temperature (°C)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Specific Conductivity (µS/cm)
0.2	12.5	100.2	10.67	30.2
1.0	12.5	100.5	10.70	32.4
2.0	12.4	102.7	10.96	32.3
3.0	12.4	102.8	10.98	32.2
4.3	12.1	103.0	11.08	32.0
4.9	12.0	103.7	11.18	32.0
6.0	11.9	103.6	11.18	32.0
7.4	11.1	103.1	11.33	31.9
7.9	10.4	103.3	11.54	31.3
9.0	10.0	103.3	11.67	31.0
10.2	9.6	103.7	11.81	31.0
10.8	9.4	103.3	11.82	31.0
12.0	9.3	103.2	11.84	31.0
13.0	9.3	103.2	11.86	31.1
13.8	9.0	102.4	11.83	31.2
15.0	8.1	100.6	11.87	31.5
16.1	8.0	100.5	11.90	31.5
16.8	7.8	100.2	11.91	31.5

S6—July 31, 2024				
Depth (m)	**Temperature (°C)**	**Dissolved Oxygen (%)**	**Dissolved Oxygen (mg/L)**	**Specific Conductivity (µS/cm)**
0.2	12.3	98.8	10.57	26.0
1.1	12.3	99.3	10.63	32.0
1.8	12.3	101.8	10.90	31.7
3.0	12.3	102.5	10.98	31.7
4.0	12.3	102.7	11.00	31.7
4.8	12.2	102.9	11.03	31.7
6.0	12.1	102.7	11.04	31.6
7.1	11.8	102.5	11.09	31.5
7.8	11.6	103.0	11.19	31.4
9.0	11.3	102.8	11.25	31.3
10.2	10.8	103.0	11.40	31.1
10.8	10.0	102.8	11.61	31.0
12.0	9.7	103.0	11.71	31.0
13.0	9.5	102.9	11.75	31.0
14.3	9.1	102.7	11.86	31.1
15.3	8.8	102.5	11.90	31.0
16.0	8.7	102.0	11.89	31.1
17.1	8.6	101.8	11.89	31.0
18.2	8.3	101.0	11.89	31.1
18.9	8.2	101.0	11.91	31.1
20.0	7.7	100.1	11.95	31.1
21.0	7.5	99.7	11.96	31.2
22.4	7.2	99.4	12.00	31.2
22.8	7.1	99.2	12.00	31.2
24.0	7.1	99.0	12.00	31.2
24.8	7.1	98.9	12.00	31.2

Cujo Lake—August 3, 2024				
Depth (m)	Temperature (°C)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Specific Conductivity (µS/cm)
0.1	14.3	97	9.91	207.3
0.4	14.2	97.4	10.00	212.7
1.1	14.1	97.4	10.00	212.7
1.5	14.1	97.1	9.98	212.6
1.8	14.0	96.8	9.97	212.5
2.6	13.9	96.7	9.97	212.6
3.0	13.9	96.3	9.94	212.8
3.4	13.8	95.4	9.87	213.0
4.0	13.8	95.3	9.86	213.1
4.5	13.6	93.2	9.69	213.6
4.9	13.5	90.7	9.45	213.9

LdS2—August 5, 2024				
Depth (m)	Temperature (°C)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Specific Conductivity (µS/cm)
0.1	14.0	97.0	10.01	32.0
0.4	14.0	97.1	10.02	32.5

LdS1—August 5, 2024				
Depth (m)	Temperature (°C)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Specific Conductivity (µS/cm)
0.1	14.1	95.1	9.77	17.5
0.5	14.1	94.5	9.71	17.3
0.8	14.1	94.4	9.71	17.3
1.5	14.1	94.4	9.71	17.3
2.0	14.1	94.5	9.72	17.4
2.3	14.1	94.6	9.73	17.4
3.0	14.1	94.6	9.73	17.4
3.5	14.1	94.7	9.74	17.4
3.7	14.1	94.6	9.74	17.3
4.5	14.1	94.6	9.74	17.3
5.0	14.0	94.6	9.74	17.3

LdS1—August 5, 2024				
Depth (m)	Temperature (°C)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Specific Conductivity (µS/cm)
5.8	14.0	94.6	9.74	17.3
6.0	14.0	94.7	9.75	17.3
6.5	14.0	94.8	9.76	17.3
6.7	14.1	94.8	9.76	17.2

Fay Bay—August 1, 2024				
Depth (m)	Temperature (°C)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Specific Conductivity (µS/cm)
0.1	15.4	94.5	9.44	29.0
0.2	15.4	94.3	9.43	30.7
1.1	15.4	94.2	9.41	31.5
1.5	15.5	91.5	9.13	31.6
2.4	15.5	91.3	9.11	31.6
2.5	15.5	91.3	9.10	31.6
3.0	15.5	91	9.08	31.6
3.2	15.5	91	9.08	31.6
4.0	15.5	90.9	9.07	31.6
4.4	15.5	90.9	9.07	31.6
5.0	15.5	90.8	9.07	31.6
5.5	15.4	90.9	9.08	31.6
5.8	15.4	91	9.09	31.6
6.5	15.4	91	9.09	31.6

Upper Exeter Lake—August 1, 2024				
Depth (m)	Temperature (°C)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Specific Conductivity (µS/cm)
0.1	16.3	96.6	9.48	18.6
0.8	16.3	95.8	9.39	23.5
1.0	16.3	94.1	9.22	23.4
1.5	16.4	92.5	9.06	23.4
2.2	16.4	92.4	9.05	23.4
2.5	16.4	92.4	9.05	23.4

Upper Exeter Lake—August 1, 2024				
Depth (m)	**Temperature (°C)**	**Dissolved Oxygen (%)**	**Dissolved Oxygen (mg/L)**	**Specific Conductivity (µS/cm)**
2.9	16.4	92.2	9.03	23.4
3.6	16.4	92.1	9.03	23.4
4.0	16.3	92.0	9.03	23.4
4.4	16.3	92.2	9.04	23.4
5.1	16.3	92.2	9.04	23.4
5.5	16.3	92.2	9.05	23.4
6.2	16.2	92.1	9.04	23.4
6.5	16.2	92.0	9.04	23.4
6.9	16.0	90.9	8.98	23.4
7.5	16.0	90.2	8.92	23.4
8.3	15.9	90.1	8.90	23.4
8.5	15.9	89.7	8.88	23.5
8.6	15.8	89.0	8.82	23.5

Ulu Lake—July 29, 2024				
Depth (m)	**Temperature (°C)**	**Dissolved Oxygen (%)**	**Dissolved Oxygen (mg/L)**	**Specific Conductivity (µS/cm)**
0.1	17.9	92.4	8.77	35.2
1.0	17.9	92.4	8.77	35.2
1.5	17.9	92.3	8.76	35.2
2.0	17.7	92.0	8.76	35.2
2.2	17.6	91.8	8.76	35.2
3.0	17.5	91.6	8.76	35.2
3.5	17.0	90.7	8.76	35.2
3.7	16.9	90.4	8.76	35.2
4.7	16.9	90.3	8.75	35.2
5.0	16.7	89.8	8.73	35.2
5.1	16.6	89.5	8.71	35.3

Horseshoe Lake—July 29, 2024				
Depth (m)	Temperature (°C)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Specific Conductivity (µS/cm)
0.1	18.1	93.0	8.79	29.3
0.5	18.1	92.9	8.78	29.3
1.2	18.1	92.9	8.78	29.3
1.5	18.1	92.8	8.77	29.3
1.9	18.1	92.8	8.77	29.2
2.6	18.1	92.8	8.77	29.2
3.0	17.9	92.7	8.78	29.2
3.3	17.1	91.6	8.81	29.0
3.9	17.0	91.4	8.83	29.0

HWL2 Lake—July 28, 2024				
Depth (m)	Temperature (°C)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Specific Conductivity (µS/cm)
0.1	18.3	97.1	9.15	15.5
1.0	18.2	97.1	9.15	15.5
2.0	18.1	96.8	9.15	15.4
3.0	18.0	96.6	9.15	15.4
4.0	17.5	95.2	9.10	15.4
4.9	17.3	94.7	9.10	15.4
5.9	16.8	93.1	9.03	15.4
7.0	16.7	92.4	8.99	15.4
8.2	16.3	86.9	8.52	15.4
9.0	9.2	79.7	9.17	16.7
10.0	8.5	78.8	9.22	15.6
11.3	6.6	76.8	9.41	15.3
12.0	6.3	75.9	9.36	15.2
13.0	5.8	74.7	9.35	15.3
14.0	5.3	72.9	9.23	15.3
15.0	5.2	71.8	9.12	15.3

Ross Lake—July 28, 2024				
Depth (m)	**Temperature (°C)**	**Dissolved Oxygen (%)**	**Dissolved Oxygen (mg/L)**	**Specific Conductivity (µS/cm)**
0.1	19.2	97.1	8.97	15.8
1.0	19.1	97.2	8.99	15.4
2.3	18.8	97.1	9.05	15.0
3.0	18.4	96.7	9.08	14.9
4.0	18.1	96.4	9.11	14.9
4.7	17.6	95.6	9.12	14.9
6.1	17.5	95.3	9.11	14.8
6.7	16.9	89.2	8.63	14.8
8.1	14.6	88.1	8.95	15.5
8.7	13.7	81.1	8.40	15.4
9.9	13.6	79.6	8.27	15.2

Logan Lake—July 26, 2024				
Depth (m)	**Temperature (°C)**	**Dissolved Oxygen (%)**	**Dissolved Oxygen (mg/L)**	**Specific Conductivity (µS/cm)**
0.1	17.1	95.7	9.24	15.8
1.1	17.0	95.7	9.24	15.8
1.8	17.0	95.6	9.25	15.8
3.0	16.9	95.5	9.25	15.8
3.7	16.4	94.3	9.23	15.8
5.0	15.6	93.6	9.31	15.7
6.0	15.6	93.5	9.31	15.7
6.7	15.1	92.8	9.33	15.6
8.0	11.9	88.0	9.50	16.5
9.2	10.5	84.8	9.44	15.5
9.7	9.1	80.8	9.31	15.4
11.0	8.8	79.5	9.23	15.5
12.0	8.7	78.2	9.12	15.5
12.6	8.5	77.2	9.03	15.5
14.0	8.5	76.9	9.00	15.5
14.8	8.3	73.1	8.59	15.9

Lower Exeter Lake—July 27, 2024				
Depth (m)	**Temperature (°C)**	**Dissolved Oxygen (%)**	**Dissolved Oxygen (mg/L)**	**Specific Conductivity (µS/cm)**
0.1	15.8	95.6	9.48	16.9
1.1	15.7	96.4	9.58	20.6
1.4	15.3	99.6	9.99	18.1
4.0	14.2	99.3	10.17	17.8
5.0	14.1	99.4	10.21	17.8
6.1	14.0	99.3	10.22	17.8
7.0	13.7	99.0	10.27	17.8
8.1	13.6	99.0	10.30	17.8
9.0	13.3	98.7	10.31	17.8
10.2	13.1	98.3	10.32	17.8
10.9	9.2	95.0	10.91	18.9

Connor Lake—August 6, 2024				
Depth (m)	**Temperature (°C)**	**Dissolved Oxygen (%)**	**Dissolved Oxygen (mg/L)**	**Specific Conductivity (µS/cm)**
0.2	14.9	94.6	9.57	21.9
0.9	14.8	94.5	9.57	22.9
2.0	14.8	94.4	9.57	22.9
2.9	14.7	94.3	9.56	22.9
4.0	14.7	94.2	9.56	23
4.9	14.7	94.2	9.55	23
6.0	14.7	93.8	9.53	23
7.0	14.6	93.2	9.49	23
8.1	14.5	92.8	9.46	23
9.0	14.3	91.3	9.35	23
10.0	12.0	72.1	7.76	23.1
11.0	10.2	56.2	6.31	22.5

Alexia Lake—August 6, 2024				
Depth (m)	**Temperature (°C)**	**Dissolved Oxygen (%)**	**Dissolved Oxygen (mg/L)**	**Specific Conductivity (µS/cm)**
0.1	15.2	96.3	9.67	23.1
0.3	14.6	95.9	9.75	22.8
1.1	14.6	95.9	9.75	22.8
1.4	14.3	96.4	9.87	22.6
2.1	14.3	96.4	9.87	22.6
2.5	14.2	96.2	9.87	22.6
2.8	14.2	94.3	9.67	22.6

Thinner Lake—August 6, 2024				
Depth (m)	**Temperature (°C)**	**Dissolved Oxygen (%)**	**Dissolved Oxygen (mg/L)**	**Specific Conductivity (µS/cm)**
0.1	14.9	94.9	9.60	24.5
0.9	14.8	95.4	9.67	23.4
1.0	14.8	95.4	9.67	23.4
1.5	14.6	95.7	9.74	23.1
2.0	14.5	95.8	9.77	23.1
2.5	14.4	95.6	9.76	23.1
3.0	14.4	95.6	9.77	23.1
3.5	14.4	95.3	9.74	23.1
4.0	14.4	95.1	9.72	23.1
4.7	14.4	95.1	9.72	23.1
4.9	14.4	95.0	9.72	23.1

Note:
DO = dissolved oxygen

3.2.3 Secchi Depth

Secchi depths were measured from late July to mid-August for 27 AEMP lake sites. Secchi depth measurements were used to characterize the underwater light conditions and estimate the euphotic zone depth. Sampling date, water column depth, mean Secchi depth, and the calculated light attenuation coefficient and corresponding euphotic zone depths are presented in Table 3.2-3.

Table 3.2-3 Secchi Depths and Estimated Euphotic Zone Depths for AEMP Lakes, 2024

Lake	Sampling Date	Water Column Depth (m)	Mean Secchi Depth (m)	Light Attenuation Coefficient (k)	Estimated Euphotic Zone Depth (m)
Nanuq	July 31, 2024	28.2	6.5	3.8	17.6
Counts	July 30, 2024	11.2	4.3	2.5	*bottom*
Vulture	July 30, 2024	39.0	8.8	5.1	23.7
Northeast	July 27, 2024	14.5	4.6	2.7	12.5
Kodiak	August 4, 2024	13.3	3.3	1.9	8.8
Leslie	August 4, 2024	12.7	4.9	2.9	*bottom*
Moose	August 3, 2024	9.7	4.0	2.4	*bottom*
Nema	August 2, 2024	9.5	4.0	2.4	*bottom*
Slipper	August 2, 2024	15.0	3.8	2.2	10.1
S2	July 31, 2024	6.8	4.8	2.8	*bottom*
S3	July 31, 2024	12.8	4.8	2.8	*bottom*
S5	July 31, 2024	17.9	7.3	4.3	*bottom*
S6	July 31, 2024	28.0	7.3	4.3	19.6
Cujo	August 3, 2024	5.6	0.8	0.4	2.0
LdS2	August 5, 2024	2.1	*bottom*	1.2	*bottom*
LdS1	August 5, 2024	7.5	*bottom*	4.4	*bottom*
Fay Bay	August 1, 2024	6.8	3.3	1.9	*bottom*
Upper Exeter	August 1, 2024	9.3	4.8	2.8	*bottom*
Ulu	July 29, 2024	6.0	2.5	1.5	*bottom*
Horseshoe	July 29, 2024	4.3	2.8	1.6	*bottom*
HWL2	July 28, 2024	16.0	5.6	3.3	15.2
Ross	July 28, 2024	10.4	6.8	4.0	*bottom*
Logan	July 26, 2024	15.8	5.8	3.4	15.6
Lower Exeter	July 27, 2024	12.2	10.8	6.3	*bottom*

Lake	Sampling Date	Water Column Depth (m)	Mean Secchi Depth (m)	Light Attenuation Coefficient (k)	Estimated Euphotic Zone Depth (m)
Connor	August 6, 2024	11.6	6.3	3.7	*bottom*
Alexia	August 6, 2024	3.4	*bottom*	2.0	*bottom*
Thinner	August 6, 2024	6.2	5.3	3.1	*bottom*

Notes:
Euphotic zone depth is defined as the depth to which 1% of surface irradiance penetrates.
bottom indicates that the calculated depth extends to the maximum depth of the sampling site.

3.3 Water Quality

All water quality analyses were completed by Bureau Veritas Laboratories (BV Labs) except where field measurement is indicated. Field measurements were collected using a calibrated multimeter probe at the time of sample collection.

Target DLs are defined in the Plan (ERM 2023a, 2024a) and the achieved DL varies (Table 3.3-1). It is common in water quality studies that some samples require dilution due to matrix interferences, or to bring the concentration of an analyte within the calibration range.

Table 3.3-1 Target and Achieved Detection Limits for Analysed Water Quality Variables, 2024

Variable	Unit	Target DL[1]	Lake Sampling Events: Reported DL		Stream Sampling Events: Reported DL
			Under-Ice	Open-Water	
Physical Variables/Ions					
Specific Conductivity	µs/cm	2	1	1	1
pH	-	0.1	-	-	-
Water Hardness	mg/L	0.5	0.5	0.5	0.5
TSS	mg/L	3	0.99–1	0.99–1	0.97–1
TDS (Calculated)	mg/L	1	0.66–2.9	0.66–2.9	0.66–3.1
Turbidity	NTU	0.1	0.1	0.1	0.1
Ion Balance	%	-	-	-	-
Total Alkalinity	mg/L $CaCO_3$	1–2	0.5	0.5	0.5
Bicarbonate	mg/L $CaCO_3$	1	0.34	0.34	0.41
Carbonate	mg/L CO_3	1	1.39	1.39	0.835
Hydroxide	mg/L OH	1	4.32	4.32	1.47
Chloride	mg/L	0.5	0.5–2.5	0.5–2.5	0.5
Fluoride	mg/L	0.01	0.01	0.01	0.01
Sulphate	mg/L	0.3	0.3–1.5	0.3–1.5	0.3–3

Variable	Unit	Target DL[1]	Lake Sampling Events: Reported DL		Stream Sampling Events: Reported DL
			Under-Ice	Open-Water	
Nutrients					
Total Ammonia-N	mg/L	0.005	0.005	0.005	0.005
Nitrate-N	mg/L	0.003	0.002	0.002	0.002
Nitrite-N	mg/L	0.001	0.001	0.001	0.001
Ortho-phosphate	mg/L	0.001	0.001	0.001	0.001
Total Phosphorus	mg/L	0.002	0.002	0.002	0.002
TOC	mg/L	0.5	0.5	0.2–0.5	0.5
TKN	mg/L	0.05	0.02	0.02	0.02–0.2
Total Metals					
Aluminum	mg/L	0.0007	0.0002–0.003	0.0002	0.0002–0.003
Antimony	mg/L	0.00002	0.00002	0.00002	0.00002
Arsenic	mg/L	0.00002	0.00002	0.00002	0.00002
Barium	mg/L	0.00002	0.00002–0.00005	0.00002	0.00002–0.00005
Beryllium	mg/L	0.00001	0.00001	0.00001	0.00001
Boron	mg/L	0.005	0.005–0.01	0.005	0.005–0.01
Cadmium	mg/L	0.000005	0.000005	0.000005	0.000005
Calcium	mg/L	0.02	0.01–0.05	0.01	0.01–0.05
Chromium	mg/L	0.0001	0.00005–0.0001	0.00005	0.00005–0.0001
Cobalt	mg/L	0.000005	0.000005–0.00001	0.000005	0.000005–0.00001
Copper	mg/L	0.0001	0.00005–0.0001	0.00005	0.00005–0.0001
Iron	mg/L	0.001	0.001–0.005	0.001	0.001–0.005
Lead	mg/L	0.00001	0.000005–0.00002	0.000005	0.000005–0.00002
Magnesium	mg/L	0.005	0.005–0.05	0.005	0.005–0.05
Manganese	mg/L	0.00005	0.00005–0.0001	0.00005	0.00005–0.0001
Mercury	mg/L	0.000005	0.0000019	0.0000019	0.0000019
Molybdenum	mg/L	0.00005	0.00005	0.00005	0.00005
Nickel	mg/L	0.00005	0.00002–0.0001	0.00002	0.00002–0.0001
Potassium	mg/L	0.05	0.01–0.05	0.01	0.01–0.05
Selenium	mg/L	0.00004	0.00004	0.00004	0.00004
Silicon	mg/L	0.05	0.05	0.05	0.05
Silver	mg/L	0.000005	0.000005–0.00001	0.000005	0.000005–0.00001
Sodium	mg/L	0.01	0.01–0.05	0.01	0.01–0.05

Variable	Unit	Target DL[1]	Lake Sampling Events: Reported DL		Stream Sampling Events: Reported DL
			Under-Ice	Open-Water	
Strontium	mg/L	0.0005	0.00005	0.00005	0.00005
Uranium	mg/L	0.000003	0.000002–0.000005	0.000002	0.000002–0.000005
Vanadium	mg/L	0.00005	0.00005–0.0002	0.00005	0.00005–0.0002
Zinc	mg/L	0.0005	0.0001–0.001	0.0001	0.0001–0.001

Notes:
Dash (-) = not applicable; DL = detection limit; TDS = total dissolved solids; TKN = total Kjeldahl nitrogen; TOC = total organic carbon; TSS = total suspended solids
Grey highlighted cells indicate instances where DLs were greater than the target DL.
Raised DLs are due to required dilution due to matrix interferences or to bring analyte within the calibration range.
[1] Target DL as defined in the Plan (ERM 2023a, 2024a).

3.3.1 Ice-covered Season Lake Water Quality

Under-ice lake water quality samples were collected in April for 23 AEMP lake sites. Site LdS2 in Lac du Sauvage is not sampled during the ice-covered season due to its shallow depth and the extent of the ice. Results of water quality laboratory analyses for under-ice lake samples are presented in Table 3.3-2.

3.3.2 Open-water Season Water Quality

Open-water Lake Water Quality

Open-water water quality samples were collected from late July to mid-August for 27 AEMP lakes sites. Results of water quality laboratory analyses for open-water season lake samples are presented in Table 3.3-3.

Stream Water Quality

Stream water quality samples were collected from 22 AEMP stream sites monthly throughout the open-water season; that is June, July, August, and September. Points of Discharge are sampled annually as part of the AEMP (August), monitoring for Discharge is completed under the Surveillance Network Program (SNP).

Results of water quality laboratory analyses for AEMP samples collected from streams and Discharge sites are presented in Table 3.3-4.

Table 3.3-2 Under-ice Water Quality Data for AEMP Lakes, 2024

Lake	Units	Nanuq	Nanuq	Nanuq	Counts	Counts	Vulture	Vulture	Northeast	Northeast	Kodiak	Kodiak	Kodiak	Kodiak	Leslie
Sampling Date		29-Mar-24	29-Mar-24	29-Mar-24	30-Mar-24	30-Mar-24	28-Mar-24	28-Mar-24	1-Apr-24	1-Apr-24	9-Apr-24	9-Apr-24	9-Apr-24	9-Apr-24	8-Apr-24
Sampling Depth Strata		Bottom	Mid	Mid	Bottom	Mid	Bottom	Mid	Bottom	Mid	Bottom	Bottom	Mid	Mid	Bottom
Sampling Depth (m)		26	14	14	9	4.5	36	19	9	4.5	11	11	5.5	5.5	11
Replicate		1	1	2	1	1	1	1	1	1	1	2	1	2	1
Laboratory Sample ID		CLQ784	CLQ786	CLQ785	CLQ726	CLQ727	CLQ643	CLQ644	CLQ717	CLQ718	CMH533	CMH532	CMH535	CMH534	CMH636
Field Data															
pH		-	-	-	5.52	6.65	6.10	6.74	5.95	6.66	6.80	6.80	7.45	7.45	6.70
Temperature		-	-	-	2.6	1.9	2.9	1.6	1.8	1.3	2.965	2.965	2.746	2.746	1.6
Physical Variables/Ions															
Specific conductivity	µS/cm	17.70	15.30	15.40	21.80	19.20	14.80	13.40	21.70	23.10	125.00	126.00	125.00	116.00	1190.00
Water hardness	mg/L $CaCO_3$	6.30	5.37	5.31	7.82	6.92	5.64	4.94	7.53	8.23	35.80	37.70	33.20	33.40	235.00
pH (laboratory-measured)	-	6.46	6.31	6.26	6.30	6.32	6.27	6.41	6.35	6.38	6.68	6.70	6.10	6.62	7.29
TSS	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.00	<1.0	<1.0	<1.0
TDS (calculated)	mg/L	9.20	7.70	6.70	11.00	9.30	7.50	6.00	10.00	11.00	68.00	69.00	66.00	63.00	680.00
Turbidity	NTU	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	1.30	<0.10	<0.10	0.23	0.23	0.21	0.21	0.27
Total alkalinity	mg/L $CaCO_3$	5.22	4.05	4.16	7.62	6.41	4.52	4.07	6.47	7.09	25.60	24.50	5.03	17.80	83.70
Alkalinity, bicarbonate	mg/L $CaCO_3$	4.28	3.32	3.41	6.25	5.26	3.71	3.34	5.31	5.82	21.05	20.04	4.12	14.59	68.58
Alkalinity, carbonate	mg/L CO_3	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39
Alkalinity, hydroxide	mg/L OH	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32
Chloride	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	3.10	3.10	15.00	4.80	180.00
Fluoride	mg/L	0.03	0.02	0.02	0.04	0.04	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.07
Sulphate	mg/L	2.30	2.30	1.30	1.20	1.50	1.60	0.97	2.50	2.70	27.00	27.00	26.00	26.00	210.00
Ion balance	%	-	-	-	-	-	-	-	-	6.10	4.70	0.78	4.10	1.40	1.90
Nutrients/Organics															
Total ammonia-N	mg/L	0.013	0.024	0.018	<0.0050	0.0083	<0.0050	0.013	0.028	0.029	<0.0050	0.005	<0.0050	<0.0050	0.1
Nitrate-N	mg/L	0.1	0.031	0.028	0.17	0.051	0.079	0.013	0.029	0.012	0.4	0.4	0.39	0.39	0.086
Nitrite-N	mg/L	0.0022	0.0014	0.0013	<0.0010	<0.0010	0.0014	0.001	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Nitrate and nitrite (as N)	mg/L	0.1	0.033	0.03	0.17	0.051	0.081	0.014	0.029	0.012	0.4	0.4	0.39	0.39	0.086
TKN	mg/L	0.15	0.168	0.134	0.207	0.212	0.113	0.124	0.245	0.262	0.408	0.454	0.4	0.358	0.657
Total nitrogen	mg/L	0.25	0.2	0.16	0.37	0.26	0.19	0.14	0.27	0.27	0.81	0.86	0.79	0.75	0.74
Ortho-phosphate	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	0.0014	<0.0010	<0.0010	0.0012	<0.0010	0.0013	0.0014	0.0016	0.0012	<0.0010
Total phosphorus	mg/L	0.0021	<0.0020	<0.0020	<0.0020	0.0041	<0.0020	<0.0020	0.0035	0.0025	<0.0020	<0.0020	<0.0020	0.003	0.0022
TOC	mg/L	1.6	2.3	1.7	2.1	2.5	1.6	1.6	2.7	4	8.3	8.1	6.9	7.2	5.7

Lake	Units	Nanuq	Nanuq	Nanuq	Counts	Counts	Vulture	Vulture	Northeast	Northeast	Kodiak	Kodiak	Kodiak	Kodiak	Leslie
Sampling Date		29-Mar-24	29-Mar-24	29-Mar-24	30-Mar-24	30-Mar-24	28-Mar-24	28-Mar-24	1-Apr-24	1-Apr-24	9-Apr-24	9-Apr-24	9-Apr-24	9-Apr-24	8-Apr-24
Sampling Depth Strata		Bottom	Mid	Mid	Bottom	Mid	Bottom	Mid	Bottom	Mid	Bottom	Bottom	Mid	Mid	Bottom
Sampling Depth (m)		26	14	14	9	4.5	36	19	9	4.5	11	11	5.5	5.5	11
Replicate		1	1	2	1	1	1	1	1	1	1	2	1	2	1
Laboratory Sample ID		CLQ784	CLQ786	CLQ785	CLQ726	CLQ727	CLQ643	CLQ644	CLQ717	CLQ718	CMH533	CMH532	CMH535	CMH534	CMH636
Total Metals															
Aluminum	mg/L	0.0093	0.0034	0.0035	0.0012	0.0018	0.0055	0.0040	0.0029	0.0031	0.0198	0.0212	0.0169	0.0177	0.0025
Antimony	mg/L	0.000021	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	0.000030	0.000025	0.000024	0.000023	0.000497
Arsenic	mg/L	0.00019	0.00014	0.00013	0.00027	0.00022	0.00012	0.00017	0.00019	0.00019	0.00030	0.00031	0.00027	0.00028	0.00038
Barium	mg/L	0.0029	0.0018	0.0018	0.0040	0.0019	0.0028	0.0024	0.0024	0.0024	0.0244	0.0249	0.0217	0.0224	0.0776
Beryllium	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	0.000017	<0.000010	<0.000010	<0.000010	<0.000010
Boron	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.008	0.006	0.006	0.005	0.032
Cadmium	mg/L	0.0000068	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	0.0000082	0.0000056	<0.0000050	<0.0000050	<0.0000050
Calcium	mg/L	1.32	1.10	1.09	1.55	1.33	1.14	0.94	1.48	1.56	6.45	6.88	6.11	6.03	47.30
Chromium	mg/L	0.00011	<0.000050	<0.000050	<0.000050	0.00005	<0.000050	<0.000050	<0.000050	<0.000050	0.00019	0.00020	0.00016	0.00016	0.00009
Cobalt	mg/L	0.00050	0.00001	0.00001	0.00007	0.00001	0.00014	0.00001	0.00002	0.00001	0.00141	0.00165	0.00047	0.00048	0.00007
Copper	mg/L	0.0005	0.0006	0.0005	0.0010	0.0005	0.0006	0.0006	0.0007	0.0006	0.0017	0.0017	0.0016	0.0016	0.0008
Iron	mg/L	0.098	0.006	0.007	0.329	0.040	0.014	0.003	0.014	0.009	0.445	0.512	0.274	0.285	0.022
Lead	mg/L	0.000120	0.000006	0.000008	0.000010	0.000019	0.000010	0.000008	0.000013	<0.0000050	0.000015	0.000006	0.000008	0.000008	<0.0000050
Magnesium	mg/L	0.729	0.641	0.627	0.961	0.874	0.679	0.628	0.934	1.050	4.770	4.980	4.370	4.450	28.400
Manganese	mg/L	0.208	0.005	0.006	0.131	0.003	0.038	0.001	0.003	0.002	0.230	0.258	0.112	0.113	0.037
Mercury	mg/L	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019
Molybdenum	mg/L	<0.000050	0.001290	<0.000050	<0.000050	<0.000050	0.000748	<0.000050	<0.000050	<0.000050	0.001020	0.001030	0.000963	0.000982	0.053400
Nickel	mg/L	0.0008	0.0002	0.0002	0.0006	0.0004	0.0006	0.0004	0.0003	0.0003	0.0055	0.0058	0.0042	0.0043	0.0045
Potassium	mg/L	0.560	0.468	0.471	0.765	0.733	0.544	0.518	0.689	0.766	3.000	3.240	2.940	3.000	42.600
Selenium	mg/L	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	0.000060	0.000051	<0.000040	<0.000040	0.000159
Silicon	mg/L	0.51	0.17	0.18	0.53	0.20	0.44	0.10	0.33	0.28	1.15	1.20	0.93	0.91	0.46
Silver	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Sodium	mg/L	0.71	0.59	0.59	0.80	0.78	0.44	0.44	0.84	0.93	6.37	6.65	6.12	6.24	115.00
Strontium	mg/L	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.06	0.06	0.06	0.92
Uranium	mg/L	0.000016	0.000014	0.000015	0.000006	0.000009	0.000024	0.000021	0.000038	0.000044	0.000089	0.000087	0.000079	0.000075	0.000605
Vanadium	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	0.00009	0.00010	0.00007	0.00008	<0.000050
Zinc	mg/L	0.00085	0.00059	0.00055	0.00055	0.00107	0.00052	0.00038	0.00027	0.00026	0.00171	0.00183	0.00203	0.00143	0.00022

Lake	Units	Leslie	Leslie	Leslie	Moose	Moose	Moose	Moose	Nema	Nema	Nema	Nema	Slipper	Slipper	S2
Sampling Date		8-Apr-24	8-Apr-24	8-Apr-24	8-Apr-24	8-Apr-24	8-Apr-24	8-Apr-24	7-Apr-24	7-Apr-24	7-Apr-24	7-Apr-24	6-Apr-24	6-Apr-24	6-Apr-24
Sampling Depth Strata		Bottom	Mid	Mid	Bottom	Bottom	Mid	Mid	Bottom	Bottom	Mid	Mid	Bottom	Mid	Bottom
Sampling Depth (m)		11	5.5	5.5	8.5	8.5	4.25	4.25	8	8	4	4	13	6.5	5
Replicate		2	1	2	1	2	1	2	1	2	1	2	1	1	1
Laboratory Sample ID		CMH635	CMH638	CMH637	CMH640	CMH639	CMH642	CMH641	CMH549	CMH550	CMH551	CMH552	CMH587	CMH588	CMH579
Field Data															
pH		6.70	6.90	6.90	6.39	6.39	7.05	7.05	6.33	6.33	6.80	6.80	6.18	6.45	6.47
Temperature		1.6	1.2	1.2	1.9	1.9	1.1	1.1	2.3	2.3	2	2	2.1	1.8	0.6
Physical Variables/Ions															
Specific conductivity	µS/cm	1200.00	1120.00	1130.00	309.00	294.00	269.00	269.00	424.00	425.00	397.00	401.00	210.00	205.00	41.50
Water hardness	mg/L $CaCO_3$	238.00	221.00	220.00	63.70	61.90	58.50	58.80	81.70	82.90	74.80	80.80	43.80	42.50	11.00
pH (laboratory-measured)	-	7.49	7.43	7.56	6.85	6.83	6.96	6.77	6.45	6.46	6.40	6.46	6.81	6.72	6.51
TSS	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.99	<1.0
TDS (calculated)	mg/L	700.00	660.00	650.00	170.00	160.00	140.00	150.00	230.00	230.00	210.00	220.00	120.00	110.00	21.00
Turbidity	NTU	0.20	0.22	0.17	0.28	0.30	0.17	0.18	0.24	0.20	0.21	0.23	0.29	0.21	<0.10
Total alkalinity	mg/L $CaCO_3$	84.80	78.10	79.30	31.00	30.90	30.30	29.70	50.40	49.80	47.60	48.40	24.20	23.60	6.74
Alkalinity, bicarbonate	mg/L $CaCO_3$	69.26	64.08	65.02	25.42	25.28	24.81	24.41	41.35	40.88	39.07	39.74	19.90	19.37	5.53
Alkalinity, carbonate	mg/L CO_3	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39
Alkalinity, hydroxide	mg/L OH	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32
Chloride	mg/L	200.00	190.00	190.00	40.00	37.00	29.00	32.00	57.00	57.00	54.00	54.00	32.00	32.00	3.40
Fluoride	mg/L	0.07	0.07	0.06	0.04	0.04	0.04	0.04	0.03	0.03	0.02	0.02	0.04	0.04	0.03
Sulphate	mg/L	210.00	190.00	190.00	53.00	51.00	48.00	48.00	63.00	64.00	60.00	60.00	29.00	29.00	5.60
Ion balance	%	3.20	4.00	4.10	3.20	3.30	1.90	3.30	5.70	5.70	8.00	5.20	3.50	4.90	2.90
Nutrients/Organics															
Total ammonia-N	mg/L	0.096	0.075	0.08	0.11	0.086	0.051	0.055	0.071	0.07	0.064	0.063	0.021	0.023	0.017
Nitrate-N	mg/L	0.085	0.076	0.077	0.092	0.11	0.1	0.1	0.084	0.077	0.099	0.081	0.13	0.1	0.026
Nitrite-N	mg/L	0.0015	<0.0010	<0.0010	0.0019	0.0023	0.0049	0.0049	0.005	0.0049	0.0087	0.0062	0.0013	<0.0010	0.001
Nitrate and nitrite (as N)	mg/L	0.086	0.076	0.077	0.094	0.11	0.11	0.11	0.089	0.082	0.11	0.087	0.13	0.1	0.027
TKN	mg/L	0.661	0.602	0.61	0.428	0.405	0.436	0.439	0.482	0.462	0.412	0.45	0.255	0.255	0.155
Total nitrogen	mg/L	0.75	0.68	0.69	0.52	0.51	0.55	0.55	0.57	0.54	0.52	0.54	0.39	0.36	0.18
Ortho-phosphate	mg/L	0.0017	0.0012	<0.0010	0.0014	0.0011	0.0011	0.0016	0.0014	0.0013	0.0015	0.0024	<0.0010	<0.0010	0.0013
Total phosphorus	mg/L	0.0038	<0.0020	<0.0020	0.003	<0.0020	<0.0020	0.0034	<0.0020	<0.0020	<0.0020	0.0022	0.0021	<0.0020	<0.0020
TOC	mg/L	5.5	5.6	5.4	5.6	6.1	6.4	6.7	7	7.1	7	6.7	4.1	3.7	2.8

Lake	Units	Leslie	Leslie	Leslie	Moose	Moose	Moose	Moose	Nema	Nema	Nema	Nema	Slipper	Slipper	S2
Sampling Date		8-Apr-24	8-Apr-24	8-Apr-24	8-Apr-24	8-Apr-24	8-Apr-24	8-Apr-24	7-Apr-24	7-Apr-24	7-Apr-24	7-Apr-24	6-Apr-24	6-Apr-24	6-Apr-24
Sampling Depth Strata		Bottom	Mid	Mid	Bottom	Bottom	Mid	Mid	Bottom	Bottom	Mid	Mid	Bottom	Mid	Bottom
Sampling Depth (m)		11	5.5	5.5	8.5	8.5	4.25	4.25	8	8	4	4	13	6.5	5
Replicate		2	1	2	1	2	1	2	1	2	1	2	1	1	1
Laboratory Sample ID		CMH635	CMH638	CMH637	CMH640	CMH639	CMH642	CMH641	CMH549	CMH550	CMH551	CMH552	CMH587	CMH588	CMH579
Total Metals															
Aluminum	mg/L	0.0025	0.0041	0.0025	0.0074	0.0068	0.0070	0.0069	0.0056	0.0062	0.0050	0.0076	0.0059	0.0021	0.0017
Antimony	mg/L	0.000499	0.000502	0.000493	0.000191	0.000187	0.000201	0.000200	0.000222	0.000223	0.000215	0.000216	0.000096	0.000105	0.000024
Arsenic	mg/L	0.00039	0.00037	0.00036	0.00029	0.00031	0.00032	0.00032	0.00030	0.00031	0.00029	0.00031	0.00031	0.00028	0.00022
Barium	mg/L	0.0786	0.0713	0.0724	0.0290	0.0278	0.0251	0.0265	0.0358	0.0348	0.0325	0.0338	0.0183	0.0158	0.0027
Beryllium	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Boron	mg/L	0.034	0.034	0.032	0.009	0.010	0.008	0.009	0.017	0.016	0.016	0.016	<0.010	0.006	<0.0050
Cadmium	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Calcium	mg/L	46.80	43.90	44.10	12.60	12.10	11.50	11.50	16.40	16.80	15.00	16.80	8.10	8.21	2.21
Chromium	mg/L	0.00009	0.00017	0.00008	0.00010	0.00009	0.00010	0.00011	0.00008	0.00012	0.00008	0.00012	<0.00010	<0.000050	<0.000050
Cobalt	mg/L	0.00007	0.00004	0.00003	0.00032	0.00020	0.00004	0.00004	0.00010	0.00011	0.00005	0.00005	0.00010	0.00002	0.00002
Copper	mg/L	0.0008	0.0008	0.0008	0.0012	0.0013	0.0014	0.0014	0.0011	0.0012	0.0011	0.0011	0.0011	0.0010	0.0007
Iron	mg/L	0.022	0.011	0.010	0.108	0.077	0.017	0.017	0.027	0.029	0.014	0.017	0.047	0.018	0.004
Lead	mg/L	<0.0000050	0.000015	0.000006	0.000012	0.000028	0.000020	0.000011	0.000011	0.000008	<0.0000050	0.000022	<0.000020	0.000013	0.000007
Magnesium	mg/L	29.400	27.000	26.700	7.830	7.710	7.260	7.290	9.880	9.940	9.080	9.440	5.740	5.350	1.320
Manganese	mg/L	0.039	0.015	0.015	0.150	0.094	0.011	0.010	0.150	0.166	0.050	0.058	0.195	0.014	0.003
Mercury	mg/L	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019
Molybdenum	mg/L	0.053400	0.053100	0.053300	0.014400	0.013900	0.013100	0.013800	0.015800	0.015800	0.014700	0.014800	0.005320	0.005450	0.000351
Nickel	mg/L	0.0045	0.0042	0.0041	0.0024	0.0024	0.0023	0.0024	0.0022	0.0023	0.0019	0.0020	0.0010	0.0008	0.0009
Potassium	mg/L	42.600	39.900	40.100	10.200	9.710	8.830	8.770	14.100	14.000	12.800	13.700	7.200	6.920	1.140
Selenium	mg/L	0.000148	0.000139	0.000139	0.000071	0.000073	0.000085	0.000072	0.000093	0.000086	0.000106	0.000074	0.000055	<0.000040	<0.000040
Silicon	mg/L	0.46	0.41	0.41	0.65	0.58	0.49	0.48	0.50	0.46	0.38	0.42	0.65	0.42	0.07
Silver	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.000010	<0.0000050	<0.0000050
Sodium	mg/L	119.00	110.00	108.00	25.90	24.50	21.60	21.80	34.60	34.30	31.40	32.60	18.30	17.50	2.83
Strontium	mg/L	0.94	0.87	0.88	0.21	0.20	0.18	0.19	0.32	0.31	0.29	0.30	0.14	0.13	0.02
Uranium	mg/L	0.000610	0.000560	0.000560	0.000112	0.000115	0.000123	0.000125	0.000093	0.000093	0.000086	0.000089	0.000050	0.000045	0.000028
Vanadium	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	0.00008	0.00006	0.00007	<0.000050	0.00006	<0.000050	0.00007	<0.00020	<0.000050	<0.000050
Zinc	mg/L	0.00026	0.00028	0.00018	0.00048	0.00039	0.00105	0.00055	0.00056	0.00097	0.00038	0.00164	<0.0010	0.00017	0.00016

Lake	Units	S2	S3	S3	S5	S5	S6	S6	Cujo	Cujo	Cujo	Cujo	LdS1	LdS1	LdS1
Sampling Date		6-Apr-24	6-Apr-24	6-Apr-24	5-Apr-24	5-Apr-24	5-Apr-24	5-Apr-24	31-Mar-24	31-Mar-24	31-Mar-24	31-Mar-24	31-Mar-24	31-Mar-24	31-Mar-24
Sampling Depth Strata		Mid	Bottom	Mid	Bottom	Mid	Bottom	Mid	Bottom	Bottom	Mid	Mid	Bottom	Bottom	Mid
Sampling Depth (m)		2.5	11	5.5	16	8	22	11	5	5	2.5	2.5	6	6	3
Replicate		1	1	1	1	1	1	1	1	2	1	2	1	1	1
Laboratory Sample ID		CMH580	CMH581	CMH582	CMH505	CMH506	CMH507	CMH508	CLQ776	CLQ775	CLQ778	CLQ777	CLQ780	CLQ779	CLQ781
Field Data															
pH		6.87	6.05	6.74	6.19	6.95	5.82	6.28	6.71	6.71	6.77	6.77	6.39	6.39	6.83
Temperature		0.1	1.7	0.3	1.3	0.5	1.2	0.6	1.9	1.9	1.1	1.1	0.9	0.9	0.5
Physical Variables/Ions															
Specific conductivity	µS/cm	39.30	43.70	36.00	35.80	33.90	32.10	32.60	305.00	307.00	312.00	311.00	21.40	21.30	25.40
Water hardness	mg/L $CaCO_3$	10.50	11.20	9.57	9.38	8.95	8.39	8.38	94.10	94.70	94.20	94.60	7.49	7.25	8.17
pH (laboratory-measured)	-	6.58	6.41	6.50	6.49	6.49	6.47	6.38	7.27	7.18	7.18	7.07	6.52	6.59	6.32
TSS	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
TDS (calculated)	mg/L	21.00	21.00	19.00	19.00	18.00	16.00	17.00	160.00	150.00	180.00	180.00	10.00	10.00	12.00
Turbidity	NTU	<0.10	<0.10	<0.10	0.17	0.18	0.14	0.12	2.40	2.20	1.50	1.50	<0.10	<0.10	0.10
Total alkalinity	mg/L $CaCO_3$	6.73	6.71	5.85	5.72	5.78	5.31	4.64	80.00	80.40	80.30	81.00	6.23	5.98	7.02
Alkalinity, bicarbonate	mg/L $CaCO_3$	5.52	5.51	4.80	4.69	4.74	4.36	3.81	65.63	65.96	65.90	66.43	5.11	4.91	5.76
Alkalinity, carbonate	mg/L CO_3	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39
Alkalinity, hydroxide	mg/L OH	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32
Chloride	mg/L	4.20	3.40	4.20	4.10	3.90	2.60	3.90	12.00	12.00	13.00	13.00	<0.50	<0.50	<0.50
Fluoride	mg/L	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.15	0.15	0.16	0.16	0.04	0.04	0.04
Sulphate	mg/L	5.40	5.70	4.80	4.90	4.70	4.30	4.40	39.00	33.00	56.00	57.00	2.40	2.50	3.00
Ion balance	%	1.70	3.90	2.50	2.90	4.00	1.00	2.60	3.80	6.50	3.70	2.70	-	-	6.30
Nutrients/Organics															
Total ammonia-N	mg/L	0.025	0.015	0.023	0.015	0.019	0.018	0.018	0.47	0.45	0.42	0.43	0.021	0.023	0.027
Nitrate-N	mg/L	0.012	0.058	0.009	0.043	0.012	0.03	0.0088	0.16	0.17	0.19	0.19	0.044	0.039	0.03
Nitrite-N	mg/L	<0.0010	<0.0010	<0.0010	0.0015	0.0014	0.0023	0.0012	0.026	0.026	0.041	0.045	0.0027	0.0024	0.0026
Nitrate and nitrite (as N)	mg/L	0.012	0.058	0.009	0.045	0.013	0.032	0.0099	0.19	0.19	0.23	0.24	0.047	0.041	0.032
TKN	mg/L	0.152	0.141	0.146	0.145	0.16	0.145	0.149	1.21	1.21	1.12	1.16	0.22	0.257	0.285
Total nitrogen	mg/L	0.16	0.2	0.16	0.19	0.17	0.18	0.16	1.4	1.4	1.4	1.4	0.27	0.3	0.32
Ortho-phosphate	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0013	0.0015	0.0028	0.0019	0.0029
Total phosphorus	mg/L	0.0025	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0064	0.0058	0.0068	0.0089	0.0028	0.0025	0.0043
TOC	mg/L	2.9	2.4	2.6	2.7	2.7	2.5	2.7	8.4	7.8	8.4	8.6	2.8	2.6	4.4

Lake	Units	S2	S3	S3	S5	S5	S6	S6	Cujo	Cujo	Cujo	Cujo	LdS1	LdS1	LdS1
Sampling Date		6-Apr-24	6-Apr-24	6-Apr-24	5-Apr-24	5-Apr-24	5-Apr-24	5-Apr-24	31-Mar-24	31-Mar-24	31-Mar-24	31-Mar-24	31-Mar-24	31-Mar-24	31-Mar-24
Sampling Depth Strata		Mid	Bottom	Mid	Bottom	Mid	Bottom	Mid	Bottom	Bottom	Mid	Mid	Bottom	Bottom	Mid
Sampling Depth (m)		2.5	11	5.5	16	8	22	11	5	5	2.5	2.5	6	6	3
Replicate		1	1	1	1	1	1	1	1	2	1	2	1	1	1
Laboratory Sample ID		CMH580	CMH581	CMH582	CMH505	CMH506	CMH507	CMH508	CLQ776	CLQ775	CLQ778	CLQ777	CLQ780	CLQ779	CLQ781
Total Metals															
Aluminum	mg/L	0.0017	0.0023	0.0017	0.0027	0.0036	0.0020	0.0023	0.0053	0.0058	0.0057	0.0054	0.0089	0.0128	0.0075
Antimony	mg/L	0.000026	<0.000020	0.000021	<0.000020	0.000025	<0.000020	<0.000020	0.000055	0.000055	0.000055	0.000059	<0.000020	<0.000020	<0.000020
Arsenic	mg/L	0.00023	0.00018	0.00021	0.00020	0.00019	0.00017	0.00019	0.00117	0.00120	0.00108	0.00108	0.00034	0.00032	0.00038
Barium	mg/L	0.0026	0.0024	0.0023	0.0023	0.0024	0.0022	0.0022	0.0245	0.0249	0.0249	0.0232	0.0014	0.0014	0.0016
Beryllium	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Boron	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	0.005	0.006	0.006	0.024	0.020	0.021	0.020	<0.010	<0.010	<0.010
Cadmium	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Calcium	mg/L	2.13	2.32	1.95	1.94	1.86	1.74	1.73	16.30	16.00	17.00	16.00	1.42	1.41	1.53
Chromium	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	0.00007	<0.00010	<0.00010	0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Cobalt	mg/L	0.00002	0.00002	0.00001	0.00002	0.00002	0.00002	0.00002	0.00035	0.00036	0.00019	0.00020	0.00002	0.00002	0.00002
Copper	mg/L	0.0007	0.0006	0.0006	0.0006	0.0006	0.0006	0.0007	0.0014	0.0014	0.0015	0.0015	0.0008	0.0008	0.0009
Iron	mg/L	<0.0010	0.004	<0.0010	0.003	0.002	0.003	0.002	0.243	0.238	0.173	0.172	0.013	0.012	0.010
Lead	mg/L	0.000018	<0.0000050	0.000018	0.000009	0.000028	0.000016	0.000089	<0.000020	<0.000020	0.000009	<0.000020	<0.000020	<0.000020	<0.000020
Magnesium	mg/L	1.270	1.320	1.140	1.100	1.050	0.982	0.984	13.000	13.300	12.600	13.300	0.955	0.908	1.060
Manganese	mg/L	0.001	0.020	0.001	0.003	0.002	0.003	0.002	0.178	0.171	0.087	0.088	0.002	0.002	0.001
Mercury	mg/L	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019
Molybdenum	mg/L	0.000315	0.000363	0.000276	0.000308	0.000292	0.000251	0.000272	0.004840	0.004760	0.004770	0.004690	0.000553	0.000478	0.000363
Nickel	mg/L	0.0010	0.0010	0.0009	0.0008	0.0009	0.0009	0.0009	0.0049	0.0052	0.0050	0.0049	0.0004	0.0006	0.0004
Potassium	mg/L	1.090	1.190	0.977	1.010	0.958	0.879	0.899	12.900	12.900	13.100	13.200	0.729	0.710	0.846
Selenium	mg/L	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	0.000116	0.000121	0.000096	0.000116	<0.000040	<0.000040	<0.000040
Silicon	mg/L	<0.050	0.19	<0.050	0.08	0.09	<0.050	<0.050	0.51	0.50	0.53	0.49	0.08	0.08	0.08
Silver	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.000010	<0.000010	<0.0000050	<0.000010	0.00001	<0.000010	<0.000010
Sodium	mg/L	2.66	2.91	2.39	2.33	2.17	2.00	2.03	17.20	17.50	15.70	17.60	0.93	0.89	1.06
Strontium	mg/L	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.15	0.15	0.16	0.14	0.01	0.01	0.01
Uranium	mg/L	0.000029	0.000023	0.000026	0.000022	0.000021	0.000023	0.000025	0.000975	0.000978	0.000976	0.000910	0.000027	0.000025	0.000026
Vanadium	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.00020	<0.00020	0.00005	<0.00020	<0.00020	0.00041	<0.00020
Zinc	mg/L	0.00027	0.00017	0.00051	0.00020	0.00076	0.00045	0.00128	<0.0010	<0.0010	0.00062	<0.0010	<0.0010	<0.0010	<0.0010

Lake	Units	Fay Bay	Fay Bay	Fay Bay	Fay Bay	Upper Exeter	Upper Exeter	Upper Exeter	Ulu	Ulu	Ulu	Ulu	Horseshoe	Horseshoe	Horseshoe
Sampling Date		3-Apr-24	3-Apr-24	3-Apr-24	3-Apr-24	3-Apr-24	3-Apr-24	3-Apr-24	8-Apr-24	8-Apr-24	8-Apr-24	8-Apr-24	8-Apr-24	8-Apr-24	8-Apr-24
Sampling Depth Strata		Bottom	Bottom	Mid	Mid	Bottom	Mid	Mid	Bottom	Bottom	Mid	Mid	Bottom	Bottom	Mid
Sampling Depth (m)		5	5	2.5	2.5	7	3.5	3.5	5	5	2.5	2.5	4	4	2
Replicate		1	2	1	2	1	1	2	1	2	1	2	1	2	1
Laboratory Sample ID		CMH612	CMH611	CMH614	CMH613	CMH615	CMH617	CMH616	CMH644	CMH643	CMH646	CMH645	CMH632	CMH631	CMH634
Field Data															
pH		6.00	6.00	6.10	6.10	5.68	6.17	6.17	6.28	6.28	6.66	6.66	6.65	6.65	7.65
Temperature		3.1	3.1	2.4	2.4	1.9	1.4	1.4	3.522	3.522	1.784	1.784	3.525	3.525	1.29
Physical Variables/Ions															
Specific conductivity	µS/cm	75.00	79.50	70.30	70.00	28.30	28.40	28.00	52.20	53.40	57.10	57.80	56.90	56.70	59.60
Water hardness	mg/L $CaCO_3$	27.30	29.30	24.50	24.40	9.58	9.55	9.49	18.00	18.60	20.10	20.50	20.10	20.70	20.90
pH (laboratory-measured)	-	6.57	6.69	6.59	6.73	6.52	6.55	6.52	6.56	6.72	6.67	6.69	6.61	6.57	6.66
TSS	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.00	<1.0	<1.0	<1.0
TDS (calculated)	mg/L	39.00	41.00	35.00	34.00	14.00	14.00	14.00	26.00	27.00	29.00	29.00	29.00	29.00	31.00
Turbidity	NTU	0.31	0.29	0.20	0.17	0.16	0.12	0.16	0.23	0.23	0.25	0.18	0.25	0.25	0.18
Total alkalinity	mg/L $CaCO_3$	20.00	21.80	14.50	14.10	5.98	6.05	5.84	15.30	14.40	14.90	15.20	17.70	17.50	20.10
Alkalinity, bicarbonate	mg/L $CaCO_3$	16.41	17.95	11.90	11.57	4.90	4.96	4.79	12.57	11.83	12.17	12.44	14.52	14.39	16.47
Alkalinity, carbonate	mg/L CO_3	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39
Alkalinity, hydroxide	mg/L OH	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32
Chloride	mg/L	3.10	3.20	2.60	2.70	<0.50	<0.50	<0.50	1.40	1.10	1.00	0.97	1.30	1.10	1.10
Fluoride	mg/L	0.05	0.05	0.05	0.05	0.03	0.03	0.03	0.04	0.04	0.05	0.05	0.06	0.06	0.06
Sulphate	mg/L	10.00	10.00	11.00	11.00	5.00	5.20	5.20	6.40	7.40	8.40	8.50	5.40	5.50	6.50
Ion balance	%	1.20	2.90	2.70	3.20	5.00	5.10	5.60	0.38	2.30	3.70	4.00	4.00	5.90	0.55
Nutrients/Organics															
Total ammonia-N	mg/L	0.023	0.15	<0.0050	<0.0050	<0.0050	0.029	0.026	<0.0050	<0.0050	0.0054	0.0051	<0.0050	<0.0050	0.0053
Nitrate-N	mg/L	0.18	0.15	0.11	0.11	0.059	0.0079	0.0051	0.17	0.12	0.085	0.085	0.16	0.15	0.13
Nitrite-N	mg/L	<0.0010	0.0016	0.001	0.0013	0.0019	<0.0010	0.0014	<0.0010	0.001	<0.0010	<0.0010	<0.0010	0.0012	<0.0010
Nitrate and nitrite (as N)	mg/L	0.18	0.16	0.11	0.11	0.061	0.0079	0.0065	0.17	0.12	0.085	0.085	0.16	0.15	0.13
TKN	mg/L	0.379	0.47	0.334	0.347	0.155	0.214	0.195	0.264	0.285	0.319	0.327	0.28	0.331	0.345
Total nitrogen	mg/L	0.56	0.63	0.44	0.45	0.22	0.22	0.2	0.43	0.4	0.4	0.41	0.44	0.48	0.47
Ortho-phosphate	mg/L	0.0015	0.0013	0.0018	0.0015	0.0016	0.0012	0.0014	0.0016	0.0013	0.0013	0.0011	0.0013	0.0016	0.0021
Total phosphorus	mg/L	<0.0020	<0.0020	0.0021	0.0021	<0.0020	0.0049	0.0021	<0.0020	0.0024	0.0033	0.0031	0.002	0.0027	0.0036
TOC	mg/L	6.3	6.7	6.2	6.4	3.1	3.3	3	4.5	4.9	5.5	5.6	4.9	5	5.5

Lake	Units	Fay Bay	Fay Bay	Fay Bay	Fay Bay	Upper Exeter	Upper Exeter	Upper Exeter	Ulu	Ulu	Ulu	Ulu	Horseshoe	Horseshoe	Horseshoe
Sampling Date		3-Apr-24	3-Apr-24	3-Apr-24	3-Apr-24	3-Apr-24	3-Apr-24	3-Apr-24	8-Apr-24	8-Apr-24	8-Apr-24	8-Apr-24	8-Apr-24	8-Apr-24	8-Apr-24
Sampling Depth Strata		Bottom	Bottom	Mid	Mid	Bottom	Mid	Mid	Bottom	Bottom	Mid	Mid	Bottom	Bottom	Mid
Sampling Depth (m)		5	5	2.5	2.5	7	3.5	3.5	5	5	2.5	2.5	4	4	2
Replicate		1	2	1	2	1	1	2	1	2	1	2	1	2	1
Laboratory Sample ID		CMH612	CMH611	CMH614	CMH613	CMH615	CMH617	CMH616	CMH644	CMH643	CMH646	CMH645	CMH632	CMH631	CMH634
Total Metals															
Aluminum	mg/L	0.0147	0.0167	0.0156	0.0150	0.0040	0.0036	0.0034	0.0040	0.0041	0.0040	0.0041	0.0021	0.0024	0.0025
Antimony	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Arsenic	mg/L	0.00043	0.00049	0.00033	0.00032	0.00015	0.00017	0.00016	0.00026	0.00028	0.00031	0.00032	0.00027	0.00027	0.00031
Barium	mg/L	0.0184	0.0200	0.0151	0.0152	0.0033	0.0026	0.0026	0.0060	0.0048	0.0049	0.0049	0.0065	0.0064	0.0059
Beryllium	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	0.000019	<0.000010	<0.000010	<0.000010
Boron	mg/L	<0.010	<0.010	0.005	<0.0050	<0.0050	0.007	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Cadmium	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Calcium	mg/L	4.58	4.92	4.28	4.28	1.67	1.62	1.60	3.03	3.01	3.15	3.21	3.60	3.62	3.54
Chromium	mg/L	0.00041	0.00012	0.00014	0.00013	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	0.00006	0.00006	<0.000050	<0.000050	0.00006
Cobalt	mg/L	0.00096	0.00145	0.00024	0.00024	0.00003	0.00002	0.00002	0.00130	0.00037	0.00007	0.00006	0.00040	0.00032	0.00007
Copper	mg/L	0.0010	0.0019	0.0011	0.0011	0.0007	0.0007	0.0007	0.0005	0.0006	0.0007	0.0007	0.0005	0.0005	0.0007
Iron	mg/L	0.578	0.762	0.164	0.164	0.009	0.005	0.005	0.136	0.052	0.024	0.024	0.086	0.072	0.028
Lead	mg/L	<0.000020	<0.000020	0.000012	0.000007	0.000007	0.000009	0.000012	0.000005	<0.0000050	<0.0000050	0.000007	<0.0000050	<0.0000050	0.000009
Magnesium	mg/L	3.860	4.130	3.360	3.330	1.310	1.340	1.330	2.520	2.690	2.960	3.020	2.710	2.820	2.940
Manganese	mg/L	0.179	0.233	0.099	0.099	0.011	0.001	0.001	0.513	0.183	0.029	0.027	0.179	0.155	0.040
Mercury	mg/L	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019
Molybdenum	mg/L	0.000061	0.000067	0.000087	0.000080	<0.000050	<0.000050	<0.000050	<0.000050	0.000193	<0.000050	<0.000050	0.000315	<0.000050	0.000306
Nickel	mg/L	0.0036	0.0037	0.0037	0.0037	0.0012	0.0010	0.0010	0.0019	0.0015	0.0013	0.0014	0.0008	0.0008	0.0008
Potassium	mg/L	2.140	2.290	1.940	1.940	0.883	0.885	0.879	1.240	1.340	1.500	1.540	1.630	1.650	1.780
Selenium	mg/L	0.000042	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040
Silicon	mg/L	0.87	0.96	0.72	0.71	0.15	0.10	0.11	0.62	0.50	0.42	0.44	0.60	0.60	0.51
Silver	mg/L	<0.000010	<0.000010	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Sodium	mg/L	2.39	2.58	2.10	2.10	0.89	0.92	0.90	1.90	2.14	2.44	2.49	2.49	2.57	2.76
Strontium	mg/L	0.04	0.04	0.03	0.03	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Uranium	mg/L	0.000034	0.000036	0.000040	0.000041	0.000008	0.000010	0.000010	0.000098	0.000122	0.000142	0.000156	0.000064	0.000068	0.000094
Vanadium	mg/L	<0.00020	<0.00020	0.00007	0.00008	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Zinc	mg/L	0.00100	0.00110	0.00123	0.00125	0.00030	0.00032	0.00044	0.00027	0.00020	0.00018	0.00026	0.00028	0.00029	0.00033

Lake	Units	Horseshoe	HWL2	HWL2	Ross	Ross	Logan	Logan	Lower Exeter	Lower Exeter
Sampling Date		8-Apr-24	7-Apr-24	7-Apr-24	7-Apr-24	7-Apr-24	6-Apr-24	6-Apr-24	6-Apr-24	6-Apr-24
Sampling Depth Strata		Mid	Bottom	Mid	Bottom	Mid	Bottom	Mid	Bottom	Mid
Sampling Depth (m)		2	17	8.5	10	5	14	7	12	6
Replicate		2	1	1	1	1	1	1	1	1
Laboratory Sample ID		CMH633	CMH547	CMH548	CMH553	CMH554	CMH583	CMH584	CMH586	CMH585
Field Data										
pH		7.65	5.88	6.08	6.16	6.74	5.85	6.01	5.86	6.46
Temperature		1.29	2.689	2.05	3.053	2.332	3.588	1.314	1.805	0.685
Physical Variables/Ions										
Specific conductivity	µS/cm	59.60	20.90	21.60	18.00	19.90	23.70	21.70	20.00	19.50
Water hardness	mg/L $CaCO_3$	21.00	6.59	6.69	7.20	6.50	7.70	7.02	6.92	6.78
pH (laboratory-measured)	-	6.64	6.00	6.18	6.13	6.21	6.34	6.40	6.39	6.39
TSS	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
TDS (calculated)	mg/L	32.00	9.80	9.70	11.00	9.00	12.00	11.00	11.00	11.00
Turbidity	NTU	0.16	0.22	0.20	0.27	0.16	0.20	0.14	0.12	0.11
Total alkalinity	mg/L $CaCO_3$	20.20	5.76	5.79	6.98	6.18	7.13	5.70	5.00	4.85
Alkalinity, bicarbonate	mg/L $CaCO_3$	16.54	4.73	4.75	5.72	5.07	5.85	4.67	4.11	3.98
Alkalinity, carbonate	mg/L CO_3	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39
Alkalinity, hydroxide	mg/L OH	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32
Chloride	mg/L	1.10	<0.50	<0.50	<0.50	<0.50	0.90	1.10	1.40	1.60
Fluoride	mg/L	0.06	0.02	0.02	0.02	0.02	0.03	0.04	0.03	0.03
Sulphate	mg/L	6.50	2.10	2.20	2.40	1.60	1.90	2.10	3.10	3.20
Ion balance	%	0.86	-	-	-	-	-	-	-	-
Nutrients/Organics										
Total ammonia-N	mg/L	0.013	<0.0050	<0.0050	<0.0050	0.012	<0.0050	0.037	0.018	0.017
Nitrate-N	mg/L	0.13	0.14	0.073	0.099	0.025	0.17	0.035	0.025	0.0049
Nitrite-N	mg/L	<0.0010	<0.0010	0.0039	0.004	0.0076	<0.0010	<0.0010	<0.0010	<0.0010
Nitrate and nitrite (as N)	mg/L	0.13	0.14	0.077	0.1	0.033	0.17	0.035	0.025	0.0049
TKN	mg/L	0.381	0.157	0.14	0.152	0.19	0.146	0.21	0.143	0.137
Total nitrogen	mg/L	0.51	0.3	0.22	0.25	0.22	0.31	0.24	0.17	0.14
Ortho-phosphate	mg/L	0.0016	0.0038	0.0023	0.0018	0.0022	0.0028	0.0024	<0.0010	<0.0010
Total phosphorus	mg/L	0.0033	0.0045	0.003	0.002	0.0032	<0.0020	0.0029	0.0023	<0.0020
TOC	mg/L	5.7	3	4	3.6	3.6	3.4	3.7	2.7	2.2

Lake	Units	Horseshoe	HWL2	HWL2	Ross	Ross	Logan	Logan	Lower Exeter	Lower Exeter
Sampling Date		8-Apr-24	7-Apr-24	7-Apr-24	7-Apr-24	7-Apr-24	6-Apr-24	6-Apr-24	6-Apr-24	6-Apr-24
Sampling Depth Strata		Mid	Bottom	Mid	Bottom	Mid	Bottom	Mid	Bottom	Mid
Sampling Depth (m)		2	17	8.5	10	5	14	7	12	6
Replicate		2	1	1	1	1	1	1	1	1
Laboratory Sample ID		CMH633	CMH547	CMH548	CMH553	CMH554	CMH583	CMH584	CMH586	CMH585
Total Metals										
Aluminum	mg/L	0.0030	0.0153	0.0141	0.0085	0.0084	0.0068	0.0050	0.0027	0.0017
Antimony	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Arsenic	mg/L	0.00031	0.00017	0.00014	0.00015	0.00017	0.00018	0.00015	0.00015	0.00015
Barium	mg/L	0.0055	0.0035	0.0031	0.0039	0.0025	0.0040	0.0022	0.0017	0.0017
Beryllium	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Boron	mg/L	<0.0050	<0.0050	<0.0050	0.005	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Cadmium	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Calcium	mg/L	3.53	1.26	1.31	1.41	1.28	1.56	1.39	1.25	1.26
Chromium	mg/L	<0.000050	0.00009	0.00006	0.00006	0.00006	<0.000050	<0.000050	<0.000050	<0.000050
Cobalt	mg/L	0.00006	0.00057	0.00005	0.00090	0.00002	0.00087	0.00003	0.00001	0.00001
Copper	mg/L	0.0007	0.0006	0.0006	0.0006	0.0006	0.0006	0.0007	0.0005	0.0005
Iron	mg/L	0.026	0.077	0.024	0.102	0.015	0.129	0.016	0.004	<0.0010
Lead	mg/L	0.000014	0.000009	0.000006	0.000009	0.000008	0.000007	0.000006	<0.0000050	0.000007
Magnesium	mg/L	2.960	0.836	0.832	0.896	0.800	0.923	0.863	0.921	0.881
Manganese	mg/L	0.034	0.130	0.007	0.150	0.002	0.585	0.031	0.013	0.001
Mercury	mg/L	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019
Molybdenum	mg/L	0.000299	<0.000050	<0.000050	<0.000050	<0.000050	0.000087	<0.000050	<0.000050	0.000235
Nickel	mg/L	0.0008	0.0005	0.0003	0.0007	0.0003	0.0008	0.0004	0.0007	0.0005
Potassium	mg/L	1.870	0.609	0.633	0.644	0.622	0.601	0.633	0.618	0.600
Selenium	mg/L	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040
Silicon	mg/L	0.52	0.51	0.37	0.38	0.24	0.54	0.19	0.08	<0.050
Silver	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Sodium	mg/L	2.79	0.87	0.92	0.93	0.89	1.00	1.07	0.77	0.76
Strontium	mg/L	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Uranium	mg/L	0.000094	0.000053	0.000060	0.000046	0.000053	0.000040	0.000049	0.000018	0.000018
Vanadium	mg/L	<0.000050	0.00006	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Zinc	mg/L	0.00040	0.00047	0.00031	0.00053	0.00024	0.00066	0.00026	0.00015	0.00023

Notes:
< = less than the analytical detection limit indicated; dash (-) = the variable was not analysed/calculated; TDS = total dissolved solids; TKN = total Kjeldahl nitrogen; TOC = total organic carbon; TSS = total suspended solids
Shaded values represent evaluated variables with concentrations greater than benchmark or outside of benchmark range (see Section 2.2.5.1 of Part 1—Annual Report).

Table 3.3-3 Open-water Water Quality Data for AEMP Lakes, 2024

Lake	Units	Nanuq	Nanuq	Counts	Counts	Vulture	Vulture	Northeast	Northeast	Northeast	Kodiak	Kodiak	Kodiak	Kodiak	Leslie	Leslie
Sampling Date		31-Jul-24	31-Jul-24	30-Jul-24	30-Jul-24	30-Jul-24	30-Jul-24	27-Jul-24	27-Jul-24	27-Jul-24	4-Aug-24	4-Aug-24	4-Aug-24	4-Aug-24	4-Aug-24	4-Aug-24
Sampling Depth Strata		Mid	Top	Mid	Top	Mid	Top	Mid	Top	Top	Mid	Mid	Top	Top	Bottom	Mid
Sampling Depth (m)		14	1	5.5	1	18.5	1	7	1	1	6.5	6.5	1	1	12.2	6.1
Replicate		1	1	1	1	1	1	1	1	2	1	2	1	2	2	1
Laboratory Sample ID		CSW840	CSW841	CSN072	CSN073	CSN074	CSN075	CSN353	CSN355	CSN354	CSX096	CSX095	CSX098	CSX097	CSX099	CSX102
Field Data																
pH		5.64	6.83	6.19	6.87	5.72	6.16	6.00	6.32	6.32	6.96	6.96	7.07	7.07	6.81	7.88
Temperature		8.5	16.0	16.6	17.1	5.8	15.6	10.1	17.0	17.0	14.6	14.6	14.9	14.9	4.4	14.6
Physical Variables/Ions																
Specific conductivity	µS/cm	14.1	14.0	15.8	15.9	13.2	13.4	16.7	16.8	16.9	55.2	55.0	56.6	55.2	949.0	698.0
Water hardness	mg/L $CaCO_3$	4.79	4.93	5.25	5.25	4.52	4.62	5.62	6.45	6.47	16.50	16.30	17.10	17.00	198.00	140.00
pH (laboratory-measured)	-	6.13	6.11	6.18	6.19	6.09	6.17	6.20	6.20	6.18	6.45	6.33	6.36	6.39	7.07	6.85
TSS	mg/L	<1.0	1.0	1.3	1.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	1.3	<1.0	1.4	<1.0
TDS (calculated)	mg/L	<0.10	<0.10	0.11	0.12	<0.10	<0.10	0.11	0.11	0.12	<0.10	<0.10	1.30	1.20	<0.10	0.10
Turbidity	NTU	3.63	4.29	6.12	5.21	3.50	4.27	5.16	5.13	5.32	9.08	9.44	9.22	9.47	67.90	51.60
Total alkalinity	mg/L $CaCO_3$	7.0	7.5	8.0	7.5	5.5	6.1	7.4	8.5	8.5	30.0	30.0	30.0	30.0	530.0	390.0
Alkalinity, bicarbonate	mg/L $CaCO_3$	2.98	3.52	5.02	4.27	2.87	3.50	4.24	4.21	4.36	7.46	7.73	7.53	7.80	55.67	42.36
Alkalinity, carbonate	mg/L CO_3	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39
Alkalinity, hydroxide	mg/L OH	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32
Chloride	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.60	1.50	0.76	0.75	140.00	100.00
Fluoride	mg/L	0.012	0.014	0.019	0.016	<0.010	0.014	0.016	0.016	0.017	0.022	0.019	0.025	0.041	0.056	0.044
Sulphate	mg/L	2.2	2.2	1.3	1.4	1.1	1.1	1.2	1.9	1.8	12.0	12.0	13.0	13.0	160.0	120.0
Ion balance	%	-	-	-	-	-	-	-	-	-	3.8	3.3	7.2	5.9	1.7	0.5
Nutrients/Organics																
Total ammonia-N	mg/L	<0.0050	0.008	<0.0050	<0.0050	<0.0050	<0.0050	0.006	0.009	0.007	0.014	0.016	0.024	0.014	0.016	0.011
Nitrate-N	mg/L	0.004	<0.0020	0.005	0.004	0.004	0.004	<0.0020	<0.0020	<0.0020	0.004	0.002	0.003	0.004	0.012	<0.0020
Nitrite-N	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.001	<0.0010	<0.0010	<0.0010	0.001	<0.0010
Nitrate and nitrite (as N)	mg/L	0.0043	<0.0022	0.0045	0.0039	0.0044	0.0042	<0.0022	<0.0022	<0.0022	0.0053	0.0024	0.0030	0.0038	0.0130	<0.0022
TKN	mg/L	0.093	0.120	0.208	0.221	0.117	0.120	0.208	0.218	0.199	0.310	0.330	0.390	0.350	0.450	0.390
Total nitrogen	mg/L	0.098	0.120	0.210	0.230	0.120	0.120	0.210	0.220	0.200	0.320	0.330	0.400	0.360	0.470	0.390
Ortho-phosphate	mg/L	0.0032	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0011	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Total phosphorus	mg/L	<0.0020	<0.0020	0.0031	0.0038	<0.0020	<0.0020	<0.0020	0.0024	<0.0020	0.0032	0.0042	0.0027	0.0029	0.0037	<0.0020
TOC	mg/L	2.2	2.3	2.7	1.7	1.5	1.9	2.2	3.2	2.8	5.5	5.6	4.9	5.6	5.4	5.4

Lake	Units	Nanuq	Nanuq	Counts	Counts	Vulture	Vulture	Northeast	Northeast	Northeast	Kodiak	Kodiak	Kodiak	Kodiak	Leslie	Leslie
Sampling Date		31-Jul-24	31-Jul-24	30-Jul-24	30-Jul-24	30-Jul-24	30-Jul-24	27-Jul-24	27-Jul-24	27-Jul-24	4-Aug-24	4-Aug-24	4-Aug-24	4-Aug-24	4-Aug-24	4-Aug-24
Sampling Depth Strata		Mid	Top	Mid	Top	Mid	Top	Mid	Top	Top	Mid	Mid	Top	Top	Bottom	Mid
Sampling Depth (m)		14	1	5.5	1	18.5	1	7	1	1	6.5	6.5	1	1	12.2	6.1
Replicate		1	1	1	1	1	1	1	1	2	1	2	1	2	2	1
Laboratory Sample ID		CSW840	CSW841	CSN072	CSN073	CSN074	CSN075	CSN353	CSN355	CSN354	CSX096	CSX095	CSX098	CSX097	CSX099	CSX102
Total Metals																
Aluminum	mg/L	0.0067	0.0123	0.0047	0.0064	0.0093	0.0076	0.0074	0.0091	0.0094	0.0216	0.0199	0.0221	0.0236	0.0085	0.0141
Antimony	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	0.000029	0.000024	<0.000020	0.000355	0.000337
Arsenic	mg/L	0.000120	0.000124	0.000314	0.000294	0.000133	0.000139	0.000224	0.000242	0.000232	0.000308	0.000298	0.000314	0.000319	0.000355	0.000387
Barium	mg/L	0.00170	0.00166	0.00145	0.00148	0.00248	0.00236	0.00176	0.00195	0.00193	0.01030	0.01040	0.01100	0.01100	0.06710	0.04590
Beryllium	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Boron	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0080	<0.0050	<0.0050	0.0274	0.0207
Cadmium	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	0.0000060	0.0000070	<0.0000050	<0.0000050	0.0000172	0.0000139
Calcium	mg/L	0.86	0.87	0.91	0.91	0.81	0.82	0.98	1.11	1.10	2.75	2.70	2.85	2.81	39.10	27.50
Chromium	mg/L	<0.000050	<0.000050	0.000106	0.000134	<0.000050	<0.000050	<0.000050	0.000126	0.000093	0.000120	0.000170	0.000160	0.000153	0.000094	0.000084
Cobalt	mg/L	0.000014	0.000028	0.000038	0.000060	0.000039	0.000032	0.000055	0.000061	0.000052	0.000093	0.000091	0.000078	0.000087	0.000094	0.000063
Copper	mg/L	0.00046	0.00050	0.00057	0.00096	0.00050	0.00054	0.00046	0.00065	0.00057	0.00133	0.00134	0.00141	0.00142	0.00085	0.00077
Iron	mg/L	0.0188	0.0295	0.0690	0.0715	0.0134	0.0144	0.0669	0.0515	0.0500	0.0883	0.0700	0.0853	0.0891	0.0485	0.0389
Lead	mg/L	<0.0000050	0.0000057	0.0000226	0.0000439	0.0000058	<0.0000050	0.0000065	0.0000585	0.0000205	0.0000086	0.0000149	0.0000240	0.0000098	0.0000091	0.0000086
Magnesium	mg/L	0.64	0.67	0.72	0.72	0.61	0.63	0.77	0.90	0.90	2.35	2.32	2.42	2.41	24.50	17.30
Manganese	mg/L	0.0068	0.0086	0.0117	0.0115	0.0051	0.0049	0.0087	0.0076	0.0073	0.0106	0.0087	0.0087	0.0089	0.0733	0.0244
Mercury	mg/L	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019
Molybdenum	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	0.000778	<0.000050	0.001040	0.001050	0.001130	0.001070	0.046800	0.043200
Nickel	mg/L	0.000257	0.000308	0.000446	0.000737	0.000435	0.000452	0.000354	0.000605	0.000437	0.002760	0.002790	0.002790	0.002820	0.003840	0.002470
Potassium	mg/L	0.439	0.455	0.650	0.650	0.519	0.527	0.605	0.648	0.652	1.870	1.730	1.960	1.890	37.600	27.700
Selenium	mg/L	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	0.000051	<0.000040	<0.000040	0.000148	0.000133
Silicon	mg/L	<0.050	0.065	0.115	0.113	0.083	0.084	0.113	0.124	0.126	0.086	0.095	0.088	0.089	0.178	0.082
Silver	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Sodium	mg/L	0.64	0.66	0.67	0.67	0.42	0.45	0.70	0.89	0.89	3.25	3.36	3.41	3.33	92.40	64.90
Strontium	mg/L	0.0056	0.0055	0.0058	0.0058	0.0057	0.0056	0.0066	0.0077	0.0073	0.0272	0.0269	0.0284	0.0273	0.7960	0.5680
Uranium	mg/L	0.000018	0.000019	0.000011	0.000013	0.000023	0.000021	0.000036	0.000041	0.000036	0.000070	0.000072	0.000076	0.000075	0.000478	0.000374
Vanadium	mg/L	<0.000050	0.000057	0.000076	<0.000050	<0.000050	<0.000050	<0.000050	0.000057	0.000073	<0.000050	0.000075	0.000078	0.000094	0.000636	0.000098
Zinc	mg/L	0.00033	0.00041	0.00029	0.00149	0.00020	0.00041	0.00050	0.00132	0.00090	0.00045	0.00041	0.00049	0.00046	0.00033	0.00012

Lake	Units	Leslie	Leslie	Leslie	Moose	Moose	Moose	Moose	Moose	Moose	Nema	Nema	Slipper	Slipper	S2	S2
Sampling Date		4-Aug-24	4-Aug-24	4-Aug-24	3-Aug-24	3-Aug-24	3-Aug-24	3-Aug-24	3-Aug-24	3-Aug-24	2-Aug-24	2-Aug-24	2-Aug-24	2-Aug-24	31-Jul-24	31-Jul-24
Sampling Depth Strata		Mid	Top	Top	Bottom	Bottom	Mid	Mid	Top	Top	Mid	Mid	Mid	Top	Mid	Top
Sampling Depth (m)		6.1	1	1	9.1	9.1	4.7	4.7	1	1	4.7	4.7	7.5	1	3.5	1
Replicate		2	1	2	1	2	1	2	1	2	1	2	1	1	1	1
Laboratory Sample ID		CSX101	CSX104	CSX103	CSW998	CSW999	CSX000	CSX001	CSX002	CSX003	CSW804	CSW802	CSW894	CSW895	CSW954	CSW955
Field Data																
pH		7.88	7.88	7.88	6.78	6.78	7.18	7.18	7.57	7.57	7.32	7.32	6.59	7.08	6.77	6.88
Temperature		14.6	14.7	14.7	6.0	6.0	13.5	13.5	14.2	14.2	14.5	14.5	10.4	15.1	15.0	15.1
Physical Variables/Ions																
Specific conductivity	µS/cm	702.0	698.0	700.0	254.0	253.0	267.0	268.0	269.0	268.0	153.0	153.0	87.2	86.8	39.3	38.9
Water hardness	mg/L $CaCO_3$	143.00	135.00	137.00	57.00	60.70	62.60	62.60	61.00	64.30	34.20	33.70	19.80	20.10	10.40	10.20
pH (laboratory-measured)	-	6.92	6.83	6.93	6.58	6.57	6.47	6.69	6.61	6.60	6.51	6.52	6.40	6.38	6.23	6.23
TSS	mg/L	<0.99	1.7	<1.0	<1.0	<1.0	<1.0	2.3	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.3	1.0
TDS (calculated)	mg/L	0.10	<0.10	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	1.30	0.98	0.12	0.11
Turbidity	NTU	52.10	50.20	53.10	23.70	24.20	23.90	26.90	25.50	27.20	21.30	21.40	12.10	11.90	5.70	5.68
Total alkalinity	mg/L $CaCO_3$	390.0	380.0	390.0	140.0	140.0	150.0	150.0	150.0	150.0	84.0	83.0	46.0	45.0	19.0	19.0
Alkalinity, bicarbonate	mg/L $CaCO_3$	42.76	41.22	43.50	19.43	19.84	19.57	22.05	20.91	22.32	17.48	17.55	9.88	9.82	4.67	4.66
Alkalinity, carbonate	mg/L CO_3	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39
Alkalinity, hydroxide	mg/L OH	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32
Chloride	mg/L	100.00	100.00	110.00	34.00	34.00	35.00	36.00	36.00	36.00	19.00	18.00	9.60	9.60	2.90	2.80
Fluoride	mg/L	0.041	0.036	0.041	0.028	0.025	0.019	0.039	0.027	0.030	0.027	0.027	0.040	0.023	0.016	0.016
Sulphate	mg/L	110.0	120.0	110.0	42.0	42.0	45.0	45.0	45.0	45.0	23.0	23.0	12.0	12.0	5.5	5.4
Ion balance	%	1.0	2.1	1.9	0.6	3.4	3.2	1.5	0.5	2.6	3.1	2.0	0.7	0.8	8.9	8.2
Nutrients/Organics																
Total ammonia-N	mg/L	0.012	0.013	0.011	0.011	0.012	0.010	0.012	0.015	0.018	0.014	0.016	0.010	0.013	0.006	0.005
Nitrate-N	mg/L	0.002	0.003	0.002	0.003	0.005	<0.0020	<0.0020	<0.0020	0.002	0.002	0.003	0.003	0.003	0.003	<0.0020
Nitrite-N	mg/L	0.001	<0.0010	<0.0010	0.001	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.001	<0.0010	0.001	0.001	0.001	<0.0010
Nitrate and nitrite (as N)	mg/L	0.0034	0.0030	0.0024	0.0035	0.0048	<0.0022	<0.0022	<0.0022	0.0023	0.0033	0.0026	0.0037	0.0042	0.0039	<0.0022
TKN	mg/L	0.440	0.430	0.400	0.370	0.370	0.410	0.380	0.350	0.340	0.310	0.350	0.290	0.250	0.160	0.190
Total nitrogen	mg/L	0.440	0.430	0.410	0.370	0.380	0.410	0.380	0.350	0.340	0.320	0.350	0.290	0.260	0.160	0.190
Ortho-phosphate	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Total phosphorus	mg/L	<0.0020	<0.0020	<0.0020	0.0070	0.0071	0.0023	0.0028	0.0023	0.0027	0.0039	0.0026	0.0035	0.0054	<0.0020	<0.0020
TOC	mg/L	5.1	5.4	5.3	4.6	4.9	5.1	5.0	5.2	5.3	4.7	5.1	4.4	4.8	2.8	3.0

Lake	Units	Leslie	Leslie	Leslie	Moose	Moose	Moose	Moose	Moose	Moose	Nema	Nema	Slipper	Slipper	S2	S2
Sampling Date		4-Aug-24	4-Aug-24	4-Aug-24	3-Aug-24	3-Aug-24	3-Aug-24	3-Aug-24	3-Aug-24	3-Aug-24	2-Aug-24	2-Aug-24	2-Aug-24	2-Aug-24	31-Jul-24	31-Jul-24
Sampling Depth Strata		Mid	Top	Top	Bottom	Bottom	Mid	Mid	Top	Top	Mid	Mid	Mid	Top	Mid	Top
Sampling Depth (m)		6.1	1	1	9.1	9.1	4.7	4.7	1	1	4.7	4.7	7.5	1	3.5	1
Replicate		2	1	2	1	2	1	2	1	2	1	2	1	1	1	1
Laboratory Sample ID		CSX101	CSX104	CSX103	CSW998	CSW999	CSX000	CSX001	CSX002	CSX003	CSW804	CSW802	CSW894	CSW895	CSW954	CSW955
Total Metals																
Aluminum	mg/L	0.0118	0.0111	0.0124	0.0197	0.0184	0.0268	0.0245	0.0252	0.0244	0.0156	0.0133	0.0116	0.0121	0.0080	0.0088
Antimony	mg/L	0.000366	0.000329	0.000350	0.000159	0.000185	0.000182	0.000169	0.000169	0.000175	0.000128	0.000135	0.000073	0.000075	0.000024	0.000026
Arsenic	mg/L	0.000366	0.000364	0.000375	0.000346	0.000303	0.000381	0.000387	0.000361	0.000381	0.000305	0.000306	0.000366	0.000366	0.000238	0.000220
Barium	mg/L	0.04700	0.04550	0.04660	0.02260	0.02540	0.02230	0.02230	0.02130	0.02280	0.01160	0.01210	0.00758	0.00754	0.00299	0.00299
Beryllium	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Boron	mg/L	0.0221	0.0243	0.0242	0.0101	0.0089	0.0109	0.0109	0.0106	0.0119	0.0072	0.0073	<0.0050	0.0057	<0.0050	<0.0050
Cadmium	mg/L	0.0000097	<0.0000050	0.0000077	<0.0000050	0.0000419	<0.0000050	0.0000056	<0.0000050	0.0000057	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Calcium	mg/L	28.10	26.40	26.80	10.70	11.10	11.90	11.80	11.70	12.10	6.53	6.26	3.84	3.86	2.05	2.02
Chromium	mg/L	<0.000050	0.000106	0.000128	0.000124	0.000068	0.000115	0.000122	0.000125	0.000104	0.000107	0.000091	<0.000050	0.000085	0.000059	0.000054
Cobalt	mg/L	0.000062	0.000057	0.000067	0.000081	0.000109	0.000052	0.000052	0.000055	0.000053	0.000044	0.000040	0.000056	0.000053	0.000037	0.000034
Copper	mg/L	0.00081	0.00084	0.00083	0.00108	0.00107	0.00118	0.00121	0.00149	0.00122	0.00101	0.00108	0.00097	0.00106	0.00074	0.00075
Iron	mg/L	0.0351	0.0292	0.0317	0.0424	0.0583	0.0361	0.0360	0.0370	0.0370	0.0260	0.0324	0.0514	0.0459	0.0179	0.0174
Lead	mg/L	0.0000095	0.0000108	0.0000112	0.0000068	0.0000063	0.0000069	0.0000070	0.0000089	0.0000131	0.0000052	<0.0000050	0.0000100	0.0000241	0.0000269	0.0000570
Magnesium	mg/L	17.70	16.70	17.00	7.35	8.01	7.98	8.06	7.74	8.25	4.34	4.38	2.49	2.53	1.28	1.24
Manganese	mg/L	0.0219	0.0246	0.0301	0.0311	0.0567	0.0146	0.0150	0.0160	0.0148	0.0117	0.0120	0.0191	0.0174	0.0073	0.0070
Mercury	mg/L	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019
Molybdenum	mg/L	0.044900	0.041800	0.042600	0.014100	0.014900	0.016300	0.016300	0.015800	0.016900	0.010600	0.011600	0.004950	0.004930	0.000734	0.000707
Nickel	mg/L	0.002550	0.002590	0.002620	0.001980	0.001930	0.001810	0.001810	0.001750	0.001840	0.001110	0.001180	0.000608	0.000659	0.001020	0.001020
Potassium	mg/L	27.800	25.800	25.800	9.030	9.810	9.780	9.770	9.410	10.000	5.430	5.440	3.460	3.250	1.300	1.260
Selenium	mg/L	0.000136	0.000124	0.000139	0.000071	0.000080	0.000100	0.000101	0.000099	0.000124	0.000078	0.000076	<0.000040	<0.000040	<0.000040	<0.000040
Silicon	mg/L	0.085	0.075	0.078	0.074	0.099	0.071	0.069	0.070	0.071	0.060	<0.050	0.069	0.090	0.081	0.055
Silver	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Sodium	mg/L	66.50	63.40	64.30	22.60	23.50	24.60	24.60	23.90	25.40	12.30	12.60	6.73	6.66	2.94	2.81
Strontium	mg/L	0.5730	0.5530	0.5580	0.1940	0.1950	0.2130	0.2130	0.2070	0.2180	0.1100	0.1100	0.0651	0.0630	0.0247	0.0242
Uranium	mg/L	0.000384	0.000363	0.000370	0.000140	0.000134	0.000159	0.000163	0.000159	0.000166	0.000094	0.000097	0.000070	0.000072	0.000028	0.000029
Vanadium	mg/L	0.000069	0.000067	0.000106	0.000171	<0.000050	0.000187	0.000188	0.000180	0.000168	0.000119	0.000073	<0.000050	0.000080	<0.000050	<0.000050
Zinc	mg/L	0.00026	0.00024	0.00022	0.00030	0.00024	0.00019	0.00023	0.00020	0.00030	0.00016	0.00013	0.00022	0.00036	0.00054	0.00029

Lake	Units	S2	S3	S3	S5	S5	S6	S6	Cujo	Cujo	LdS1	LdS1	LdS1	LdS2	Fay Bay	Fay Bay
Sampling Date		31-Jul-24	31-Jul-24	31-Jul-24	31-Jul-24	31-Jul-24	31-Jul-24	31-Jul-24	3-Aug-24	3-Aug-24	5-Aug-24	5-Aug-24	5-Aug-24	5-Aug-24	1-Aug-24	1-Aug-24
Sampling Depth Strata		Top	Mid	Top	Mid	Top	Mid	Top	Mid	Top	Mid	Mid	Top	Top	Mid	Mid
Sampling Depth (m)		1	6.5	1	9	1	14	1	2.75	1	3.75	3.75	1	1	3.5	3.5
Replicate		2	1	1	1	1	1	1	1	2	1	2	1	2	1	2
Laboratory Sample ID		CSW956	CSW957	CSW958	CSW959	CSW960	CSW961	CSW962	CSW884	CSW885	CSX006	CSX005	CSX007	CSX008	CSW932	CSW931
Field Data																
pH		6.88	6.46	6.64	6.81	6.71	6.83	6.97	8.50	8.55	4.46	6.46	6.50	7.03	6.81	6.81
Temperature		15.1	11.0	14.9	10.0	12.5	9.1	12.3	13.9	14.1	14.0	14.0	14.1	13.9	15.5	15.5
Physical Variables/Ions																
Specific conductivity	µS/cm	38.5	36.0	37.6	32.4	32.7	31.5	32.1	216.0	216.0	17.0	16.9	17.0	29.6	31.8	31.7
Water hardness	mg/L $CaCO_3$	10.30	9.64	9.85	8.88	9.00	8.72	8.64	50.60	51.00	6.16	5.79	6.06	10.30	11.20	11.20
pH (laboratory-measured)	-	6.22	6.34	6.23	6.32	6.20	6.19	6.21	6.88	6.87	6.05	6.04	6.09	6.07	6.29	6.23
TSS	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.5	2.9	<1.0	<1.0	<1.0	1.2	1.0	<1.0
TDS (calculated)	mg/L	<0.10	0.13	<0.10	<0.10	<0.10	<0.10	<0.10	3.50	3.80	<0.10	<0.10	<0.10	0.10	0.13	<0.10
Turbidity	NTU	5.87	6.07	5.89	4.95	5.22	5.07	5.05	47.70	44.60	6.51	5.63	7.12	8.97	6.23	6.06
Total alkalinity	mg/L $CaCO_3$	20.0	18.0	18.0	16.0	16.0	16.0	16.0	130.0	120.0	9.2	8.5	9.5	17.0	15.0	15.0
Alkalinity, bicarbonate	mg/L $CaCO_3$	4.81	4.98	4.83	4.05	4.28	4.16	4.14	39.13	36.65	5.35	4.62	5.84	7.33	5.11	4.97
Alkalinity, carbonate	mg/L CO_3	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39
Alkalinity, hydroxide	mg/L OH	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32
Chloride	mg/L	3.20	2.80	2.70	2.40	2.40	2.10	1.90	9.50	9.60	<0.50	<0.50	<0.50	1.10	1.00	1.40
Fluoride	mg/L	0.016	0.018	0.016	0.018	0.015	0.016	0.015	0.090	0.093	0.019	0.018	0.019	0.018	0.023	0.022
Sulphate	mg/L	5.3	5.0	5.2	4.5	4.6	4.3	4.6	42.0	42.0	1.9	2.0	1.9	4.7	4.2	4.3
Ion balance	%	6.9	4.8	6.6	7.3	6.5	8.4	8.0	2.5	1.4	-	-	-	1.3	11.0	9.7
Nutrients/Organics																
Total ammonia-N	mg/L	<0.0050	0.005	<0.0050	<0.0050	<0.0050	0.006	<0.0050	0.030	0.028	0.010	0.014	<0.0050	<0.0050	0.015	0.014
Nitrate-N	mg/L	<0.0020	<0.0020	<0.0020	0.003	0.004	0.005	0.002	0.450	0.440	0.002	0.004	0.002	0.005	<0.0020	<0.0020
Nitrite-N	mg/L	<0.0010	<0.0010	<0.0010	0.001	<0.0010	0.001	0.001	0.009	0.010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Nitrate and nitrite (as N)	mg/L	<0.0022	<0.0022	<0.0022	0.0039	0.0040	0.0063	0.0033	0.4600	0.4500	0.0022	0.0035	<0.0022	0.0046	<0.0022	<0.0022
TKN	mg/L	0.160	0.150	0.170	0.140	0.130	0.150	0.140	0.930	0.940	0.170	0.200	0.170	0.200	0.420	0.350
Total nitrogen	mg/L	0.160	0.150	0.170	0.140	0.130	0.160	0.150	1.400	1.400	0.170	0.200	0.170	0.210	0.420	0.350
Ortho-phosphate	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Total phosphorus	mg/L	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0220	0.0200	<0.0020	<0.0020	<0.0020	0.0028	0.0042	0.0041
TOC	mg/L	3.0	2.8	3.1	2.6	3.1	2.7	3.0	6.1	6.8	3.0	2.9	3.2	3.3	4.6	4.5

Lake	Units	S2	S3	S3	S5	S5	S6	S6	Cujo	Cujo	LdS1	LdS1	LdS1	LdS2	Fay Bay	Fay Bay
Sampling Date		31-Jul-24	31-Jul-24	31-Jul-24	31-Jul-24	31-Jul-24	31-Jul-24	31-Jul-24	3-Aug-24	3-Aug-24	5-Aug-24	5-Aug-24	5-Aug-24	5-Aug-24	1-Aug-24	1-Aug-24
Sampling Depth Strata		Top	Mid	Top	Mid	Top	Mid	Top	Mid	Top	Mid	Mid	Top	Top	Mid	Mid
Sampling Depth (m)		1	6.5	1	9	1	14	1	2.75	1	3.75	3.75	1	1	3.5	3.5
Replicate		2	1	1	1	1	1	1	1	2	1	2	1	2	1	2
Laboratory Sample ID		CSW956	CSW957	CSW958	CSW959	CSW960	CSW961	CSW962	CSW884	CSW885	CSX006	CSX005	CSX007	CSX008	CSW932	CSW931
Total Metals																
Aluminum	mg/L	0.0092	0.0063	0.0095	0.0036	0.0051	0.0043	0.0040	0.0200	0.0155	0.0095	0.0117	0.0136	0.0087	0.0170	0.0171
Antimony	mg/L	0.000023	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	0.000103	0.000116	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Arsenic	mg/L	0.000234	0.000204	0.000225	0.000200	0.000194	0.000201	0.000196	0.001160	0.001260	0.000324	0.000302	0.000339	0.000363	0.000338	0.000328
Barium	mg/L	0.00287	0.00266	0.00275	0.00236	0.00240	0.00236	0.00232	0.01650	0.01650	0.00111	0.00111	0.00128	0.00211	0.00615	0.00614
Beryllium	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Boron	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0154	0.0172	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Cadmium	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	0.0000070	0.0000051	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Calcium	mg/L	2.04	1.93	1.96	1.79	1.82	1.75	1.75	9.19	9.19	1.09	1.00	1.06	1.68	1.82	1.83
Chromium	mg/L	0.000081	0.000051	0.000070	<0.000050	<0.000050	<0.000050	<0.000050	0.000088	0.000111	0.000050	0.000067	0.000109	0.000057	0.000099	0.000095
Cobalt	mg/L	0.000038	0.000032	0.000043	0.000031	0.000031	0.000042	0.000036	0.000172	0.000215	0.000020	0.000011	0.000031	0.000054	0.000085	0.000089
Copper	mg/L	0.00074	0.00069	0.00075	0.00061	0.00061	0.00061	0.00060	0.00100	0.00112	0.00063	0.00069	0.00093	0.00076	0.00085	0.00082
Iron	mg/L	0.0168	0.0129	0.0194	0.0088	0.0092	0.0114	0.0092	0.0757	0.0864	0.0146	0.0155	0.0388	0.0283	0.1090	0.1090
Lead	mg/L	0.0000972	0.0000054	0.0000144	0.0000052	<0.0000050	<0.0000050	<0.0000050	0.0000103	0.0000824	0.0000050	0.0000102	0.0000766	0.0000103	0.0000086	0.0000142
Magnesium	mg/L	1.27	1.17	1.21	1.07	1.08	1.06	1.04	6.72	6.82	0.84	0.80	0.83	1.49	1.61	1.61
Manganese	mg/L	0.0068	0.0064	0.0089	0.0060	0.0061	0.0085	0.0067	0.0196	0.0194	0.0044	0.0032	0.0094	0.0049	0.0102	0.0102
Mercury	mg/L	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019
Molybdenum	mg/L	0.000680	0.000536	0.000551	0.000317	0.000329	0.000279	0.000303	0.011500	0.011200	<0.000050	0.000060	0.000091	0.000126	0.000065	0.000072
Nickel	mg/L	0.001080	0.001030	0.001060	0.001040	0.001050	0.001140	0.001050	0.003070	0.003320	0.000350	0.000358	0.000546	0.000537	0.001420	0.001380
Potassium	mg/L	1.280	1.160	1.190	1.010	1.030	0.988	0.967	11.400	10.700	0.662	0.613	0.664	1.130	1.120	1.130
Selenium	mg/L	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	0.000109	0.000122	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040
Silicon	mg/L	0.051	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.128	0.129	0.053	<0.050	0.061	0.063	0.121	0.081
Silver	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Sodium	mg/L	2.88	2.60	2.66	2.28	2.28	2.20	2.19	16.80	16.80	0.79	0.74	0.77	1.46	1.08	1.09
Strontium	mg/L	0.0241	0.0220	0.0227	0.0195	0.0196	0.0190	0.0190	0.1040	0.1020	0.0064	0.0057	0.0064	0.0121	0.0159	0.0157
Uranium	mg/L	0.000030	0.000027	0.000027	0.000024	0.000023	0.000024	0.000023	0.000887	0.000896	0.000025	0.000026	0.000029	0.000029	0.000030	0.000030
Vanadium	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	0.000201	0.000082	0.000052	0.000077	0.000093	0.000073	0.000054
Zinc	mg/L	0.00126	0.00031	0.00075	0.00026	0.00024	0.00024	0.00025	0.00044	0.00053	0.00014	0.00012	0.00177	0.00112	0.00026	0.00027

Lake	Units	Fay Bay	Fay Bay	Upper Exeter	Ulu	Ulu	Horseshoe	Horseshoe	Horseshoe	Horseshoe	HWL2	HWL2	Ross	Ross	Logan	Lower Exeter
Sampling Date		1-Aug-24	1-Aug-24	1-Aug-24	29-Jul-24	29-Jul-24	29-Jul-24	29-Jul-24	29-Jul-24	29-Jul-24	28-Jul-24	28-Jul-24	28-Jul-24	28-Jul-24	26-Jul-24	27-Jul-24
Sampling Depth Strata		Top	Top	Mid	Mid	Top	Mid	Mid	Top	Top	Mid	Top	Mid	Top	Top	Mid
Sampling Depth (m)		1	1	4.5	3	1	2	2	1	1	8	1	5	1	1	6
Replicate		1	2	1	1	1	1	2	1	2	1	1	1	1	2	1
Laboratory Sample ID		CSW934	CSW933	CSW936	CSN207	CSN208	CSN100	CSN101	CSN102	CSN103	CSN384	CSN385	CSN387	CSN388	CSN289	CSN252
Field Data																
pH		6.69	6.69	6.91	6.51	6.70	6.84	6.84	6.89	6.89	6.16	6.74	6.27	6.61	6.87	6.69
Temperature		15.4	15.4	16.3	17.1	17.9	18.1	18.1	18.1	18.1	15.5	18.0	17.3	18.9	17.0	13.7
Physical Variables/Ions																
Specific conductivity	µS/cm	32.4	31.9	24.1	35.6	35.6	29.2	29.4	29.4	29.5	15.0	15.3	14.0	14.5	16.0	18.0
Water hardness	mg/L $CaCO_3$	11.20	11.50	8.18	12.10	11.90	9.57	9.55	9.60	9.65	4.94	4.93	4.81	4.75	5.18	5.85
pH (laboratory-measured)	-	6.36	6.29	6.14	6.44	6.36	6.71	6.62	6.74	6.76	6.35	6.31	6.26	6.25	6.37	6.58
TSS	mg/L	<1.0	<1.0	<1.0	2.1	1.5	3.0	4.0	1.3	3.0	1.0	1.7	1.6	<1.0	<1.0	<0.99
TDS (calculated)	mg/L	1.30	1.10	0.11	1.50	1.20	1.30	1.30	1.50	1.30	<0.10	<0.10	<0.10	<0.10	0.10	<0.10
Turbidity	NTU	6.29	6.67	5.23	10.60	10.30	9.56	8.22	10.50	9.34	4.17	4.27	4.10	4.33	4.15	4.08
Total alkalinity	mg/L $CaCO_3$	15.0	16.0	11.0	18.0	17.0	14.0	13.0	15.0	14.0	7.2	7.3	7.0	7.1	7.1	8.3
Alkalinity, bicarbonate	mg/L $CaCO_3$	5.16	5.47	4.29	8.67	8.41	7.87	6.72	8.61	7.67	3.42	3.50	3.36	3.56	3.40	3.35
Alkalinity, carbonate	mg/L CO_3	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39
Alkalinity, hydroxide	mg/L OH	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32
Chloride	mg/L	1.60	1.80	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Fluoride	mg/L	0.030	0.022	0.016	0.032	0.021	0.043	0.059	0.028	0.027	0.016	0.016	0.013	0.015	0.014	0.013
Sulphate	mg/L	4.2	4.2	4.0	4.9	4.9	3.0	3.0	3.0	3.0	1.8	1.8	1.7	1.7	1.6	2.8
Ion balance	%	7.9	6.2	-	3.2	3.6	4.6	10.0	1.3	6.0	-	-	-	-	-	-
Nutrients/Organics																
Total ammonia-N	mg/L	0.012	0.012	<0.0050	<0.0050	0.005	0.009	0.025	0.023	0.025	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Nitrate-N	mg/L	<0.0020	0.003	<0.0020	0.006	0.003	<0.0020	<0.0020	<0.0020	<0.0020	0.003	0.005	0.003	<0.0020	0.002	0.002
Nitrite-N	mg/L	0.001	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Nitrate and nitrite (as N)	mg/L	<0.0022	0.0025	<0.0022	0.0058	0.0033	<0.0022	<0.0022	<0.0022	<0.0022	0.0029	0.0054	0.0027	<0.0022	<0.0022	0.0023
TKN	mg/L	0.360	0.370	0.190	0.342	0.325	0.394	0.402	0.375	0.383	0.202	0.196	0.226	0.184	0.212	0.125
Total nitrogen	mg/L	0.360	0.370	0.190	0.350	0.330	0.390	0.400	0.380	0.380	0.210	0.200	0.230	0.180	0.210	0.130
Ortho-phosphate	mg/L	<0.0010	<0.0010	<0.0010	0.0029	<0.0010	<0.0010	<0.0010	<0.0010	0.0014	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Total phosphorus	mg/L	0.0060	0.0058	<0.0020	0.0046	0.0042	0.0038	0.0069	0.0063	0.0074	<0.0020	<0.0020	0.0028	<0.0020	0.0023	<0.0020
TOC	mg/L	4.4	4.4	3.1	4.9	4.7	4.4	4.6	4.6	4.7	3.5	4.0	3.0	2.8	3.2	2.5

Lake	Units	Fay Bay	Fay Bay	Upper Exeter	Ulu	Ulu	Horseshoe	Horseshoe	Horseshoe	Horseshoe	HWL2	HWL2	Ross	Ross	Logan	Lower Exeter
Sampling Date		1-Aug-24	1-Aug-24	1-Aug-24	29-Jul-24	29-Jul-24	29-Jul-24	29-Jul-24	29-Jul-24	29-Jul-24	28-Jul-24	28-Jul-24	28-Jul-24	28-Jul-24	26-Jul-24	27-Jul-24
Sampling Depth Strata		Top	Top	Mid	Mid	Top	Mid	Mid	Top	Top	Mid	Top	Mid	Top	Top	Mid
Sampling Depth (m)		1	1	4.5	3	1	2	2	1	1	8	1	5	1	1	6
Replicate		1	2	1	1	1	1	2	1	2	1	1	1	1	2	1
Laboratory Sample ID		CSW934	CSW933	CSW936	CSN207	CSN208	CSN100	CSN101	CSN102	CSN103	CSN384	CSN385	CSN387	CSN388	CSN289	CSN252
Total Metals																
Aluminum	mg/L	0.0178	0.0201	0.0077	0.0084	0.0078	0.0116	0.0094	0.0067	0.0076	0.0153	0.0154	0.0119	0.0115	0.0082	0.0036
Antimony	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Arsenic	mg/L	0.000343	0.000362	0.000204	0.000337	0.000344	0.000307	0.000317	0.000314	0.000306	0.000176	0.000172	0.000180	0.000166	0.000160	0.000146
Barium	mg/L	0.00616	0.00729	0.00241	0.00361	0.00356	0.00316	0.00305	0.00303	0.00312	0.00253	0.00249	0.00215	0.00217	0.00190	0.00156
Beryllium	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Boron	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Cadmium	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.0000050	0.0000063	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	0.0000364	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Calcium	mg/L	1.84	1.98	1.35	1.89	1.89	1.59	1.58	1.60	1.61	0.91	0.92	0.88	0.89	1.02	1.06
Chromium	mg/L	0.000110	0.000101	<0.000050	0.000055	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	0.000053	<0.000050	<0.000050
Cobalt	mg/L	0.000084	0.000098	0.000040	0.000119	0.000120	0.000114	0.000105	0.000115	0.000112	0.000043	0.000035	0.000042	0.000036	0.000030	0.000013
Copper	mg/L	0.00087	0.00099	0.00067	0.00064	0.00066	0.00063	0.00062	0.00061	0.00065	0.00060	0.00066	0.00057	0.00060	0.00067	0.00050
Iron	mg/L	0.1060	0.1330	0.0261	0.1010	0.1000	0.1750	0.1920	0.1600	0.1900	0.0341	0.0318	0.0499	0.0482	0.0359	0.0096
Lead	mg/L	0.0000318	0.0000118	0.0000089	0.0000065	0.0000134	0.0000081	0.0000080	0.0000108	0.0000159	0.0000090	0.0000214	<0.0000050	0.0000147	0.0000475	<0.0000050
Magnesium	mg/L	1.59	1.58	1.17	1.79	1.75	1.36	1.36	1.36	1.37	0.65	0.64	0.64	0.62	0.64	0.78
Manganese	mg/L	0.0102	0.0114	0.0086	0.0218	0.0201	0.0186	0.0170	0.0201	0.0185	0.0052	0.0043	0.0055	0.0045	0.0063	0.0044
Mercury	mg/L	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019
Molybdenum	mg/L	0.000073	0.000087	<0.000050	0.000121	0.000124	0.000055	<0.000050	<0.000050	0.000054	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Nickel	mg/L	0.001370	0.001610	0.001100	0.001250	0.001230	0.000808	0.000739	0.000727	0.000748	0.000436	0.000419	0.000398	0.000385	0.000382	0.000585
Potassium	mg/L	1.110	1.040	0.888	1.130	1.110	1.050	1.030	1.030	1.050	0.600	0.605	0.581	0.569	0.574	0.584
Selenium	mg/L	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040
Silicon	mg/L	0.081	0.082	0.100	0.195	0.189	0.094	0.091	0.097	0.093	0.181	0.183	0.156	0.172	0.097	<0.050
Silver	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Sodium	mg/L	1.09	1.08	0.82	1.40	1.37	1.24	1.25	1.25	1.26	0.69	0.69	0.66	0.66	0.72	0.60
Strontium	mg/L	0.0158	0.0178	0.0098	0.0139	0.0138	0.0109	0.0112	0.0112	0.0115	0.0063	0.0062	0.0059	0.0060	0.0074	0.0070
Uranium	mg/L	0.000029	0.000031	0.000013	0.000129	0.000126	0.000091	0.000088	0.000086	0.000089	0.000072	0.000072	0.000062	0.000063	0.000051	0.000018
Vanadium	mg/L	0.000066	<0.000050	0.000116	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Zinc	mg/L	0.00042	0.00052	0.00025	0.00017	0.00035	0.00035	0.00016	0.00023	0.00026	0.00052	0.00094	0.00023	0.00037	0.00140	0.00019

Lake	Units	Lower Exeter	Connor	Connor	Connor	Connor	Alexia	Alexia	Thinner	Thinner	Thinner	Thinner
Sampling Date		27-Jul-24	6-Aug-24	6-Aug-24	6-Aug-24	6-Aug-24	6-Aug-24	6-Aug-24	6-Aug-24	6-Aug-24	6-Aug-24	6-Aug-24
Sampling Depth Strata		Top	Mid	Mid	Top	Top	Mid	Mid	Mid	Mid	Top	Top
Sampling Depth (m)		1	5.75	5.75	1	1	1.74	1.74	3	3	1	1
Replicate		1	1	2	1	2	1	2	1	2	1	2
Laboratory Sample ID		CSN253	CSW972	CSW971	CSW974	CSW973	CSW970	CSW969	CSW979	CSW978	CSW981	CSW980
Field Data												
pH		6.74	6.45	6.45	6.54	6.54	7.01	7.01	6.74	6.74	6.84	6.84
Temperature		15.3	14.7	14.7	14.8	14.8	14.3	14.3	14.4	14.4	14.6	14.6
Physical Variables/Ions												
Specific conductivity	µS/cm	18.3	22.9	22.8	23.1	22.9	22.9	22.9	23.5	23.4	23.2	23.5
Water hardness	mg/L $CaCO_3$	5.93	8.05	7.99	8.06	7.97	7.73	7.85	7.88	7.84	7.92	8.22
pH (laboratory-measured)	-	6.58	6.21	6.26	6.26	6.21	6.29	6.29	6.21	6.20	6.19	6.33
TSS	mg/L	<1.0	1.5	<1.0	1.0	1.1	1.0	1.2	<1.0	<1.0	<1.0	<1.0
TDS (calculated)	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	0.12	0.11	0.12	<0.10	<0.10	0.10
Turbidity	NTU	4.16	6.16	5.99	6.44	6.18	6.40	6.20	3.68	4.15	4.14	4.16
Total alkalinity	mg/L $CaCO_3$	8.4	9.9	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
Alkalinity, bicarbonate	mg/L $CaCO_3$	3.41	5.05	4.92	5.28	5.07	5.25	5.09	3.01	3.41	3.40	3.41
Alkalinity, carbonate	mg/L CO_3	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39
Alkalinity, hydroxide	mg/L OH	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32
Chloride	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Fluoride	mg/L	0.015	0.013	0.020	0.019	0.014	0.021	0.020	0.017	0.017	0.016	0.023
Sulphate	mg/L	2.8	2.1	3.5	3.5	3.5	3.1	3.0	5.0	5.0	5.0	4.9
Ion balance	%	-	-	-	-	-	-	-	-	-	-	-
Nutrients/Organics												
Total ammonia-N	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.014	0.013	0.006	0.006	0.008	0.008
Nitrate-N	mg/L	0.003	0.006	0.002	0.003	0.004	<0.0020	<0.0020	0.003	0.002	0.002	<0.0020
Nitrite-N	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Nitrate and nitrite (as N)	mg/L	0.0034	0.0060	0.0023	0.0025	0.0036	<0.0022	<0.0022	0.0029	0.0024	0.0024	<0.0022
TKN	mg/L	0.113	0.193	0.196	0.198	0.162	0.444	0.426	0.268	0.248	0.262	0.272
Total nitrogen	mg/L	0.120	0.200	0.200	0.200	0.170	0.440	0.430	0.270	0.250	0.260	0.270
Ortho-phosphate	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	0.0025	<0.0010	<0.0010	<0.0010	0.0012	<0.0010	<0.0010
Total phosphorus	mg/L	0.0110	0.0039	<0.0020	0.0026	<0.0020	0.0059	0.0059	0.0029	<0.0020	0.0020	<0.0020
TOC	mg/L	2.4	3.1	3.2	3.6	3.3	6.0	5.6	3.9	4.0	3.9	4.0

Lake	Units	Lower Exeter	Connor	Connor	Connor	Connor	Alexia	Alexia	Thinner	Thinner	Thinner	Thinner
Sampling Date		27-Jul-24	6-Aug-24	6-Aug-24	6-Aug-24	6-Aug-24	6-Aug-24	6-Aug-24	6-Aug-24	6-Aug-24	6-Aug-24	6-Aug-24
Sampling Depth Strata		Top	Mid	Mid	Top	Top	Mid	Mid	Mid	Mid	Top	Top
Sampling Depth (m)		1	5.75	5.75	1	1	1.74	1.74	3	3	1	1
Replicate		1	1	2	1	2	1	2	1	2	1	2
Laboratory Sample ID		CSN253	CSW972	CSW971	CSW974	CSW973	CSW970	CSW969	CSW979	CSW978	CSW981	CSW980
Total Metals												
Aluminum	mg/L	0.0040	0.0088	0.0086	0.0059	0.0060	0.0159	0.0153	0.0073	0.0076	0.0094	0.0076
Antimony	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Arsenic	mg/L	0.000144	0.000385	0.000386	0.000367	0.000379	0.000572	0.000554	0.000353	0.000524	0.000352	0.000367
Barium	mg/L	0.00161	0.00174	0.00170	0.00169	0.00163	0.00234	0.00232	0.00191	0.00195	0.00200	0.00206
Beryllium	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Boron	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0074
Cadmium	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Calcium	mg/L	1.08	1.15	1.14	1.15	1.14	1.09	1.10	1.18	1.18	1.19	1.22
Chromium	mg/L	<0.000050	0.000078	<0.000050	<0.000050	<0.000050	0.000064	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Cobalt	mg/L	0.000017	0.000036	0.000040	0.000031	0.000032	0.000089	0.000087	0.000077	0.000096	0.000120	0.000072
Copper	mg/L	0.00056	0.00076	0.00072	0.00077	0.00074	0.00104	0.00104	0.00054	0.00055	0.00073	0.00058
Iron	mg/L	0.0106	0.0386	0.0420	0.0407	0.0411	0.0894	0.0861	0.0511	0.0565	0.0475	0.0454
Lead	mg/L	0.0000161	<0.0000050	<0.0000050	0.0000103	0.0000070	0.0000116	0.0000087	<0.0000050	0.0000063	0.0000693	0.0000090
Magnesium	mg/L	0.79	1.26	1.25	1.26	1.24	1.22	1.24	1.20	1.19	1.20	1.25
Manganese	mg/L	0.0045	0.0068	0.0078	0.0064	0.0067	0.0064	0.0060	0.0096	0.0110	0.0113	0.0106
Mercury	mg/L	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019
Molybdenum	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Nickel	mg/L	0.000601	0.000729	0.000621	0.000592	0.000625	0.000789	0.000809	0.000582	0.000643	0.000644	0.000643
Potassium	mg/L	0.599	0.827	0.820	0.814	0.806	0.871	0.867	0.734	0.740	0.741	0.765
Selenium	mg/L	<0.000040	<0.000040	<0.000040	<0.000040	0.000044	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	0.000052
Silicon	mg/L	<0.050	0.149	0.149	0.149	0.154	0.069	0.065	0.129	0.132	0.135	0.127
Silver	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Sodium	mg/L	0.59	0.77	0.78	0.76	0.78	0.95	0.94	0.67	0.68	0.68	0.71
Strontium	mg/L	0.0073	0.0079	0.0076	0.0080	0.0081	0.0069	0.0069	0.0078	0.0080	0.0077	0.0075
Uranium	mg/L	0.000021	0.000011	0.000010	0.000009	0.000009	0.000017	0.000017	0.000008	0.000008	0.000008	0.000013
Vanadium	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Zinc	mg/L	0.00049	0.00011	<0.00010	0.00040	<0.00010	0.00013	<0.00010	<0.00010	0.00012	0.00015	0.00024

Notes:
< = less than the analytical detection limit indicated; dash (-) indicates that the variable was not analysed/calculated; TDS = total dissolved solids; TKN = total Kjeldahl nitrogen; TOC = total organic carbon; TSS = total suspended solids
Shaded values represent evaluated variables with concentrations greater than benchmark or outside of benchmark range (see Section 2.2.5.1 of Part 1—Annual Report).

Table 3.3-4 Water Quality Data for AEMP Streams, 2024

Stream	Units	Nanuq Outflow	Nanuq Outflow	Nanuq Outflow	Nanuq Outflow	Nanuq Outflow	Counts Outflow	Counts Outflow	Counts Outflow	Counts Outflow	Counts Outflow	Vulture-Polar	Vulture-Polar	Vulture-Polar	Northeast Outflow	Northeast Outflow
Sampling Date		14-Jun-24	13-Jul-24	13-Jul-24	4-Aug-24	2-Sep-24	15-Jun-24	14-Jul-24	3-Aug-24	3-Aug-24	1-Sep-24	15-Jun-24	15-Jun-24	13-Jul-24	14-Jun-24	13-Jul-24
Replicate		1	1	2	1	1	1	1	1	2	1	1	2	1	1	1
Laboratory Sample ID		CPS331	CRM809	CRM810	CSX028	CUW095	CPR989	CRN175	CSW865	CSW866	CUW087	CPS000	CPS001	CRM817	CPS332	CRM811
Field Data																
pH		6.55	6.62	6.62	6.21	6.21	6.32	6.46	6.64	6.64	6.55	6.50	6.50	6.56	6.17	6.71
Temperature		5.7	13.9	13.9	12.9	10.1	5.6	14.2	12.9	12.9	10.7	10.3	10.3	17.4	6.3	15.5
Physical Variables/Ions																
Specific conductivity	µS/cm	14.7	15.4	15.5	15.1	15.4	15.9	16.4	16.5	16.5	16.9	15.0	14.8	16.5	17.5	17.3
Water hardness	mg/L $CaCO_3$	5.39	4.84	4.96	5.41	5.10	6.02	5.95	6.01	6.16	6.38	5.74	5.54	6.65	6.10	5.68
pH (laboratory-measured)	-	6.54	6.38	6.37	6.14	5.97	6.62	6.55	6.29	6.19	6.09	6.66	6.56	6.38	6.89	6.45
TSS	mg/L	<1.0	<1.0	<1.0	<1.0	1.3	<1.0	1.1	<1.0	<1.0	1.5	<1.0	<1.0	1.2	1.4	1.5
TDS (calculated)	mg/L	7.8	7.1	7.2	7.6	7.5	8.4	7.8	8.1	8.2	8.2	7.3	7.0	8.0	8.6	8.0
Turbidity	NTU	0.10	<0.10	<0.10	<0.10	0.12	0.13	<0.10	1.50	1.60	1.70	0.13	0.11	<0.10	1.30	0.13
Total alkalinity	mg/L $CaCO_3$	4.52	3.45	3.52	4.03	4.22	6.29	5.50	5.77	5.89	5.53	3.97	3.76	3.99	5.90	4.77
Alkalinity, bicarbonate	mg/L $CaCO_3$	4.53	3.45	3.52	4.03	4.22	6.30	5.50	5.77	5.89	5.53	3.97	3.76	3.99	5.90	4.77
Alkalinity, carbonate	mg/L CO_3	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835
Alkalinity, hydroxide	mg/L OH	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47
Chloride	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Fluoride	mg/L	0.012	0.014	0.013	0.03	0.017	0.011	0.018	0.023	0.013	0.031	0.018	0.013	0.013	0.014	0.018
Sulphate	mg/L	2.2	2.4	2.4	2.2	2.2	1.3	1.4	1.3	1.3	1.3	2.0	1.9	2.2	1.8	2.1
Ion balance	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nutrients/Organics																
Total ammonia-N	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0081	<0.0050	0.0050	<0.0050	0.0059	<0.0050	<0.0050	0.0100	0.0064	0.0053
Nitrate-N	mg/L	0.0140	0.0082	0.0067	0.0180	0.0170	0.0048	0.0075	0.0051	0.0076	0.0036	0.0059	0.0078	0.0081	0.0061	<0.0020
Nitrite-N	mg/L	0.0018	0.0015	<0.0010	0.0015	<0.0010	0.0029	<0.0010	<0.0010	0.0013	<0.0010	0.0025	0.0012	0.0013	0.0015	<0.0010
Nitrate and nitrite (as N)	mg/L	0.0160	0.0097	0.0067	0.0190	0.0170	0.0077	0.0075	0.0051	0.0089	0.0036	0.0083	0.0090	0.0094	0.0076	<0.0022
TKN	mg/L	0.150	0.108	0.099	0.163	0.130	0.214	0.175	0.275	0.266	0.290	0.177	0.191	0.192	0.196	0.210
Total nitrogen	mg/L	0.17	0.12	0.11	0.18	0.15	0.22	0.18	0.28	0.27	0.29	0.19	0.20	0.20	0.20	0.21
Ortho-phosphate	mg/L	0.0021	<0.0010	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Total phosphorus	mg/L	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0037	0.0030	0.0077	0.0087	0.0079	0.0024	<0.0020	0.0050	0.0026	0.0023
TOC	mg/L	1.9	1.4	1.6	1.8	2.2	2.5	1.9	3.3	3.3	3.5	3.2	3.0	2.5	3.2	2.8

Stream	Units	Nanuq Outflow	Nanuq Outflow	Nanuq Outflow	Nanuq Outflow	Nanuq Outflow	Counts Outflow	Counts Outflow	Counts Outflow	Counts Outflow	Counts Outflow	Vulture-Polar	Vulture-Polar	Vulture-Polar	Northeast Outflow	Northeast Outflow
Sampling Date		14-Jun-24	13-Jul-24	13-Jul-24	4-Aug-24	2-Sep-24	15-Jun-24	14-Jul-24	3-Aug-24	3-Aug-24	1-Sep-24	15-Jun-24	15-Jun-24	13-Jul-24	14-Jun-24	13-Jul-24
Replicate		1	1	2	1	1	1	1	1	2	1	1	2	1	1	1
Laboratory Sample ID		CPS331	CRM809	CRM810	CSX028	CUW095	CPR989	CRN175	CSW865	CSW866	CUW087	CPS000	CPS001	CRM817	CPS332	CRM811
Total Metals																
Aluminum	mg/L	0.0085	0.0086	0.0072	0.0100	0.0089	0.0158	0.0269	0.0170	0.0185	0.0360	0.0400	0.0454	0.0634	0.0443	0.0114
Antimony	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Arsenic	mg/L	0.000093	0.000115	0.000115	0.000138	0.000139	0.000230	0.000282	0.000387	0.000440	0.000388	0.000152	0.000167	0.000301	0.000184	0.000176
Barium	mg/L	0.0021	0.0018	0.0017	0.0018	0.0017	0.0023	0.0023	0.0020	0.0019	0.0021	0.0041	0.0039	0.0046	0.0029	0.0018
Beryllium	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Boron	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050
Cadmium	mg/L	0.0000075	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	0.0000120	<0.0000050	<0.0000050	<0.0000050
Calcium	mg/L	1.14	0.89	0.89	0.96	0.94	1.17	1.02	1.07	1.05	1.08	1.00	1.00	1.03	1.06	0.96
Chromium	mg/L	<0.000050	0.000655	0.000723	<0.000050	<0.000050	<0.000050	0.000762	<0.000050	<0.00010	<0.00010	0.000094	0.000120	0.000210	0.000190	0.000839
Cobalt	mg/L	0.000027	0.000033	0.000027	0.000050	0.000070	0.000062	0.000110	0.000082	0.000096	0.000100	0.000069	0.000080	0.000240	0.000254	0.000068
Copper	mg/L	0.000444	0.000434	0.000431	0.000536	0.000475	0.000377	0.000555	0.000593	0.000580	0.000660	0.000905	0.000890	0.001160	0.000543	0.000821
Iron	mg/L	0.0209	0.0494	0.0459	0.0902	0.0759	0.1380	0.1510	0.2040	0.2310	0.1870	0.0817	0.0964	0.2420	0.2520	0.1120
Lead	mg/L	0.0000067	<0.0000050	<0.0000050	0.0000057	0.0000052	<0.0000050	0.0000108	0.0000090	<0.000020	<0.000020	0.0000069	0.0000178	0.0000240	0.0000397	<0.0000050
Magnesium	mg/L	0.616	0.637	0.662	0.731	0.667	0.752	0.824	0.814	0.858	0.896	0.788	0.741	0.987	0.839	0.797
Manganese	mg/L	0.0059	0.0051	0.0049	0.0087	0.0118	0.0156	0.0102	0.0124	0.0159	0.0132	0.0026	0.0028	0.0100	0.0350	0.0091
Mercury	mg/L	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019
Molybdenum	mg/L	<0.000050	<0.000050	<0.000050	0.000084	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	0.000057	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Nickel	mg/L	0.00029	0.00020	0.00017	0.00026	0.00022	0.00041	0.00043	0.00058	0.00053	0.00062	0.00083	0.00079	0.00087	0.00080	0.00096
Potassium	mg/L	0.434	0.445	0.453	0.475	0.481	0.609	0.580	0.669	0.683	0.706	0.500	0.481	0.583	0.573	0.573
Selenium	mg/L	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040
Silicon	mg/L	0.138	0.094	0.094	0.082	0.108	0.179	0.113	0.166	0.189	0.337	0.272	0.281	0.270	0.227	0.132
Silver	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.000010	0.000023	<0.0000050	<0.0000050	<0.000010	<0.0000050	<0.0000050
Sodium	mg/L	0.664	0.607	0.603	0.661	0.619	0.739	0.702	0.750	0.765	0.818	0.581	0.550	0.753	0.699	0.732
Strontium	mg/L	0.0059	0.0060	0.0057	0.0059	0.0059	0.0060	0.0062	0.0068	0.0064	0.0066	0.0061	0.0059	0.0075	0.0068	0.0060
Uranium	mg/L	0.000014	0.000017	0.000017	0.000021	0.000019	0.000013	0.000022	0.000018	0.000019	0.000029	0.000041	0.000050	0.000050	0.000065	0.000043
Vanadium	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	0.00006	<0.000050	0.00011	<0.000050	0.00029	<0.00020	0.00009	0.00010	0.00042	0.00012	<0.000050
Zinc	mg/L	0.0007	0.0003	0.0002	0.0003	0.0005	0.0002	0.0002	0.0004	<0.0010	<0.0010	0.0003	0.0003	0.0019	0.0006	0.0002

Stream	Units	Northeast Outflow	Northeast Outflow	Northeast Outflow	Pigeon Stream R7	Pigeon Stream R7	Pigeon Stream R7	Pigeon Stream R7	Lower PDC	Lower PDC	Lower PDC	Lower PDC	Lower PDC	Kodiak-Little	Kodiak-Little	Leslie-Moose
Sampling Date		1-Aug-24	31-Aug-24	31-Aug-24	15-Jun-24	13-Jul-24	5-Aug-24	31-Aug-24	16-Jun-24	14-Jul-24	6-Aug-24	6-Aug-24	4-Sep-24	6-Aug-24	3-Sep-24	15-Jun-24
Replicate		1	1	2	1	1	1	1	1	1	1	2	1	1	1	1
Laboratory Sample ID		CSX070	CUW434	CUW435	CPR998	CRM814	CSW943	CUW438	CPR874	CRN226	CSX080	CSX081	CUW126	CSX078	CUW421	CPR992
Field Data																
pH		6.00	6.32	6.32	6.84	6.68	6.75	-	7.21	6.85	-	-	6.61	-	6.66	7.32
Temperature		12.1	8.8	8.8	11.1	16.1	14.6	-	5.0	17.4	-	-	8.0	-	10.2	8.5
Physical Variables/Ions																
Specific conductivity	µS/cm	15.4	18.4	18.4	24.9	30.4	28.9	33.3	29.3	58.0	51.3	51.4	87.6	54.7	60.4	484.0
Water hardness	mg/L $CaCO_3$	5.29	6.90	6.31	8.96	11.90	9.84	11.30	10.70	19.50	18.10	17.20	60.20	16.40	18.00	94.80
pH (laboratory-measured)	-	6.16	5.95	6.01	6.50	6.56	6.28	6.09	6.66	6.64	6.33	6.34	6.55	6.37	6.12	7.18
TSS	mg/L	<1.0	1.7	3.3	1.1	1.7	1.3	<1.0	<1.0	2.0	<1.0	<1.0	64.0	1.2	1.6	<1.0
TDS (calculated)	mg/L	7.7	9.0	7.7	12.0	15.0	14.0	16.0	15.0	32.0	26.0	26.0	56.0	29.0	31.0	270.0
Turbidity	NTU	<0.10	2.00	1.30	0.13	<0.10	0.11	1.10	1.30	1.20	<0.10	<0.10	150.00	0.12	1.70	0.11
Total alkalinity	mg/L $CaCO_3$	4.58	5.94	4.27	4.94	6.28	6.16	6.11	5.30	6.66	7.25	7.26	12.70	9.81	9.57	35.30
Alkalinity, bicarbonate	mg/L $CaCO_3$	4.58	5.95	4.26	4.94	6.28	6.17	6.12	5.31	6.66	7.25	7.27	12.63	9.84	9.59	35.34
Alkalinity, carbonate	mg/L CO_3	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835
Alkalinity, hydroxide	mg/L OH	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47
Chloride	mg/L	<0.50	<0.50	<0.50	1.10	1.60	1.50	1.60	0.72	2.40	1.20	1.00	2.80	0.96	1.10	74.00
Fluoride	mg/L	0.019	0.021	0.024	0.013	0.019	0.019	0.037	0.016	0.019	0.018	0.019	0.03	0.019	0.025	0.026
Sulphate	mg/L	1.9	1.8	1.8	3.1	3.2	3.2	5.1	5.2	16.0	11.0	11.0	19.0	12.0	13.0	82.0
Ion balance	%	-	-	-	-	15	9.1	4.8	10	0.57	9	6.8	40	4.2	6.2	4.6
Nutrients/Organics																
Total ammonia-N	mg/L	0.0096	0.0150	0.0160	<0.0050	0.0150	0.0220	0.0120	<0.0050	0.0067	<0.0050	<0.0050	<0.0050	0.0130	0.0300	0.0052
Nitrate-N	mg/L	0.0034	0.0042	0.0060	0.0310	0.0059	0.0029	0.0024	0.0170	0.0170	0.0350	0.0450	0.0053	0.0056	<0.0020	0.0270
Nitrite-N	mg/L	0.0011	<0.0010	<0.0010	0.0021	0.0031	<0.0010	<0.0010	<0.0010	0.0016	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0035
Nitrate and nitrite (as N)	mg/L	0.0046	0.0043	0.0060	0.0330	0.0090	0.0029	0.0024	0.0170	0.0180	0.0350	0.0450	0.0053	0.0056	<0.0022	0.0310
TKN	mg/L	0.203	0.260	0.250	0.235	0.317	0.399	0.300	0.231	0.275	0.244	0.239	<0.20	0.295	0.290	0.288
Total nitrogen	mg/L	0.21	0.26	0.26	0.27	0.33	0.40	0.30	0.25	0.29	0.28	0.28	<0.20	0.30	0.29	0.32
Ortho-phosphate	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0012	0.0014	0.0011	0.0040
Total phosphorus	mg/L	0.0041	0.0062	0.0059	0.0037	0.0044	0.0031	0.0035	0.0034	0.0035	0.0028	0.0026	0.0840	0.0050	0.0031	<0.0020
TOC	mg/L	3.0	3.6	3.6	3.4	3.9	4.8	4.7	5.4	5.0	4.9	5.1	5.7	5.2	5.8	4.0

Stream	Units	Northeast Outflow	Northeast Outflow	Northeast Outflow	Pigeon Stream R7	Pigeon Stream R7	Pigeon Stream R7	Pigeon Stream R7	Lower PDC	Lower PDC	Lower PDC	Lower PDC	Lower PDC	Kodiak-Little	Kodiak-Little	Leslie-Moose
Sampling Date		1-Aug-24	31-Aug-24	31-Aug-24	15-Jun-24	13-Jul-24	5-Aug-24	31-Aug-24	16-Jun-24	14-Jul-24	6-Aug-24	6-Aug-24	4-Sep-24	6-Aug-24	3-Sep-24	15-Jun-24
Replicate		1	1	2	1	1	1	1	1	1	1	2	1	1	1	1
Laboratory Sample ID		CSX070	CUW434	CUW435	CPR998	CRM814	CSW943	CUW438	CPR874	CRN226	CSX080	CSX081	CUW126	CSX078	CUW421	CPR992
Total Metals																
Aluminum	mg/L	0.0152	0.0293	0.0214	0.0275	0.0385	0.0340	0.0285	0.0790	0.0549	0.0521	0.0540	5.0700	0.0354	0.0215	0.0153
Antimony	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	0.000043	<0.000020	<0.000020	0.000264
Arsenic	mg/L	0.000256	0.000318	0.000275	0.000172	0.000386	0.000317	0.000278	0.000180	0.000284	0.000266	0.000291	0.000876	0.000344	0.000294	0.000211
Barium	mg/L	0.0019	0.0024	0.0024	0.0044	0.0155	0.0036	0.0040	0.0078	0.0120	0.0121	0.0116	0.0854	0.0102	0.0099	0.0328
Beryllium	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	0.0000150	<0.000010	<0.000010	0.0000100	<0.000010	0.0000980	<0.000010	<0.000010	<0.000010
Boron	mg/L	<0.0050	<0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	0.0139
Cadmium	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	0.0000138	0.0000081	0.0000063	<0.0000050	0.0000199	<0.0000050	<0.0000050	0.0000054
Calcium	mg/L	0.89	1.18	1.11	1.68	2.04	1.66	1.81	2.02	3.28	3.16	3.12	6.10	2.82	2.88	20.20
Chromium	mg/L	<0.000050	<0.00010	0.000082	0.000071	0.000170	0.000064	0.000050	0.000225	0.000968	0.000223	0.000507	0.017400	0.000155	0.000133	<0.000050
Cobalt	mg/L	0.000077	0.000100	0.000099	0.000168	0.000247	0.000252	0.000203	0.000136	0.000252	0.000298	0.000285	0.004170	0.000282	0.000078	0.000046
Copper	mg/L	0.000488	0.000620	0.000532	0.000579	0.000980	0.000894	0.000865	0.001690	0.002090	0.002520	0.002640	0.007140	0.001530	0.001290	0.000566
Iron	mg/L	0.1400	0.2110	0.2130	0.1490	0.2140	0.2580	0.1760	0.1710	0.1930	0.1700	0.1970	5.5400	0.1660	0.0600	0.0483
Lead	mg/L	0.0000086	<0.000020	0.0000187	0.0000068	<0.000020	0.0000086	0.0000257	0.0000390	0.0000285	0.0000338	0.0000325	0.0017700	0.0000116	0.0000088	0.0000064
Magnesium	mg/L	0.744	0.958	0.859	1.160	1.650	1.380	1.640	1.380	2.730	2.490	2.280	10.900	2.280	2.630	10.800
Manganese	mg/L	0.0111	0.0084	0.0079	0.0199	0.0187	0.0160	0.0071	0.0067	0.0150	0.0121	0.0121	0.0863	0.0276	0.0080	0.0105
Mercury	mg/L	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019
Molybdenum	mg/L	0.000660	<0.000050	<0.000050	<0.000050	0.000070	<0.000050	<0.000050	0.000057	0.000111	0.000137	0.000134	0.000657	0.001110	0.000845	0.022600
Nickel	mg/L	0.00038	0.00049	0.00042	0.00110	0.00171	0.00133	0.00208	0.00161	0.00180	0.00199	0.00195	0.04210	0.00276	0.00254	0.00187
Potassium	mg/L	0.609	0.645	0.596	0.806	0.961	1.050	1.040	0.885	1.570	1.610	1.630	5.280	1.800	1.930	16.300
Selenium	mg/L	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	0.000071	<0.000040	<0.000040	0.000091
Silicon	mg/L	0.159	0.194	0.177	0.146	0.271	0.113	0.156	0.509	0.290	0.528	0.447	12.000	0.078	0.104	0.059
Silver	mg/L	<0.0000050	<0.000010	<0.0000050	<0.0000050	<0.000010	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	0.000011	<0.0000050	<0.0000050	<0.0000050
Sodium	mg/L	0.753	0.830	0.751	0.905	1.300	1.010	1.040	1.100	2.230	2.060	1.940	3.940	3.150	3.450	41.000
Strontium	mg/L	0.0059	0.0077	0.0073	0.0098	0.0149	0.0118	0.0129	0.0131	0.0243	0.0232	0.0230	0.0560	0.0274	0.0266	0.3590
Uranium	mg/L	0.000049	0.000062	0.000065	0.000022	0.000048	0.000026	0.000042	0.000111	0.000112	0.000151	0.000150	0.001060	0.000080	0.000066	0.000209
Vanadium	mg/L	<0.000050	<0.00020	0.00011	0.00007	0.00040	0.00007	0.00011	0.00015	0.00017	0.00017	0.00016	0.01120	0.00012	<0.000050	<0.000050
Zinc	mg/L	0.0002	<0.0010	0.0003	0.0004	0.0017	0.0005	0.0007	0.0017	0.0025	0.0039	0.0040	0.0242	0.0006	0.0005	0.0002

Stream	Units	Leslie-Moose	Leslie-Moose	Leslie-Moose	Moose-Nero	Moose-Nero	Moose-Nero	Moose-Nero	Moose-Nero	Moose-Nero	Nema-Martine	Nema-Martine	Nema-Martine	Slipper-Lac de Gras	Slipper-Lac de Gras	Slipper-Lac de Gras
Sampling Date		14-Jul-24	6-Aug-24	3-Sep-24	15-Jun-24	15-Jun-24	14-Jul-24	2-Aug-24	1-Sep-24	1-Sep-24	15-Jun-24	6-Aug-24	3-Sep-24	15-Jun-24	14-Jul-24	6-Aug-24
Replicate		1	1	1	1	2	1	1	1	2	1	1	1	1	1	1
Laboratory Sample ID		CRN218	CSX079	CUW423	CPR993	CPR994	CRN227	CSW964	CUW090	CUW091	CPR995	CSX082	CUW425	CPR999	CRN230	CSX083
Field Data																
pH		6.86	-	7.07	7.08	7.08	6.64	7.09	6.34	6.34	6.77	-	7.22	6.73	6.82	-
Temperature		15.5	-	8.3	9.1	9.1	15.4	11.4	9.8	9.8	8.0	-	9.7	3.9	16.0	-
Physical Variables/Ions																
Specific conductivity	µS/cm	692.0	700.0	690.0	95.3	97.2	129.0	124.0	139.0	137.0	125.0	153.0	154.0	72.0	87.1	86.5
Water hardness	mg/L $CaCO_3$	156.00	139.00	140.00	23.50	23.40	29.30	29.80	33.40	33.70	28.50	35.00	34.60	17.10	23.70	20.10
pH (laboratory-measured)	-	7.43	6.89	6.48	6.35	6.46	6.75	6.42	6.16	6.15	6.93	6.48	6.22	6.76	6.71	6.39
TSS	mg/L	<1.0	<1.0	<1.0	1.1	<1.0	<1.0	<1.0	1.3	1.3	<1.0	5.5	1.1	<0.99	1.1	<1.0
TDS (calculated)	mg/L	410.0	380.0	380.0	51.0	50.0	70.0	68.0	75.0	75.0	67.0	84.0	85.0	38.0	50.0	45.0
Turbidity	NTU	0.98	<0.10	1.00	0.12	0.14	<0.10	<0.10	1.00	0.89	0.14	2.60	0.11	0.14	<0.10	0.12
Total alkalinity	mg/L $CaCO_3$	49.10	52.30	53.70	10.20	9.95	13.30	15.60	17.70	17.60	16.10	20.90	25.00	9.57	11.30	12.20
Alkalinity, bicarbonate	mg/L $CaCO_3$	49.12	52.32	53.71	10.25	9.92	13.28	15.58	17.71	17.63	16.15	20.91	25.01	9.59	11.32	12.22
Alkalinity, carbonate	mg/L CO_3	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835
Alkalinity, hydroxide	mg/L OH	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47
Chloride	mg/L	110.00	100.00	110.00	9.30	9.20	12.00	12.00	15.00	15.00	15.00	18.00	18.00	7.90	9.70	9.20
Fluoride	mg/L	0.037	0.042	0.05	<0.010	0.025	0.022	0.021	0.022	0.016	0.014	0.018	0.03	0.017	0.018	0.02
Sulphate	mg/L	120.0	110.0	110.0	17.0	18.0	26.0	23.0	23.0	23.0	19.0	23.0	23.0	11.0	14.0	12.0
Ion balance	%	3.4	3.2	3.9	1.6	0.76	1.7	0.013	1.1	0.53	2.2	1.2	4.9	1.4	7	2.2
Nutrients/Organics																
Total ammonia-N	mg/L	0.0130	0.0130	0.0130	0.0088	0.0086	0.0100	0.0076	0.0069	0.0078	0.0065	0.0120	0.0110	0.0074	0.0083	0.0091
Nitrate-N	mg/L	0.0450	0.0480	0.0270	0.0240	0.0210	0.0220	0.0380	0.0600	0.0630	0.0140	0.0180	0.0053	0.0044	0.0097	0.0048
Nitrite-N	mg/L	0.0014	<0.0010	<0.0010	0.0021	0.0036	0.0018	<0.0010	0.0010	0.0011	<0.0010	<0.0010	<0.0010	0.0017	0.0017	<0.0010
Nitrate and nitrite (as N)	mg/L	0.0460	0.0480	0.0270	0.0260	0.0250	0.0240	0.0380	0.0610	0.0640	0.0140	0.0180	0.0053	0.0061	0.0110	0.0048
TKN	mg/L	0.393	0.476	0.390	0.203	0.230	0.316	0.285	0.370	0.300	0.216	0.404	0.280	0.228	0.205	0.260
Total nitrogen	mg/L	0.44	0.52	0.42	0.23	0.25	0.34	0.32	0.43	0.36	0.23	0.42	0.28	0.23	0.22	0.26
Ortho-phosphate	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Total phosphorus	mg/L	0.0040	0.0043	<0.0020	0.0035	0.0039	0.0030	0.0054	0.0032	0.0031	0.0036	0.0084	<0.0020	0.0027	0.0026	0.0026
TOC	mg/L	4.6	5.8	5.5	4.0	4.0	4.6	4.9	5.1	4.9	4.0	5.1	4.7	3.5	3.8	4.4

Stream	Units	Leslie-Moose	Leslie-Moose	Leslie-Moose	Moose-Nero	Moose-Nero	Moose-Nero	Moose-Nero	Moose-Nero	Moose-Nero	Nema-Martine	Nema-Martine	Nema-Martine	Slipper-Lac de Gras	Slipper-Lac de Gras	Slipper-Lac de Gras
Sampling Date		14-Jul-24	6-Aug-24	3-Sep-24	15-Jun-24	15-Jun-24	14-Jul-24	2-Aug-24	1-Sep-24	1-Sep-24	15-Jun-24	6-Aug-24	3-Sep-24	15-Jun-24	14-Jul-24	6-Aug-24
Replicate		1	1	1	1	2	1	1	1	2	1	1	1	1	1	1
Laboratory Sample ID		CRN218	CSX079	CUW423	CPR993	CPR994	CRN227	CSW964	CUW090	CUW091	CPR995	CSX082	CUW425	CPR999	CRN230	CSX083
Total Metals																
Aluminum	mg/L	0.0167	0.0218	0.0096	0.0304	0.0258	0.0267	0.0150	0.0105	0.0102	0.0281	0.0740	0.0084	0.0359	0.0187	0.0271
Antimony	mg/L	0.000385	0.000326	0.000282	0.000063	0.000064	0.000083	0.000091	0.000097	0.000100	0.000094	0.000161	0.000132	0.000043	0.000082	0.000076
Arsenic	mg/L	0.000482	0.000408	0.000369	0.000181	0.000195	0.000283	0.000310	0.000309	0.000293	0.000172	0.000382	0.000293	0.000177	0.000387	0.000391
Barium	mg/L	0.0529	0.0461	0.0399	0.0120	0.0115	0.0132	0.0123	0.0126	0.0124	0.0125	0.0155	0.0113	0.0070	0.0090	0.0077
Beryllium	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	0.0000150	<0.000010	<0.000010	<0.000010
Boron	mg/L	0.027	0.0198	0.0197	<0.0050	<0.0050	<0.0050	0.0064	0.0051	0.0055	<0.0050	0.031	0.0074	<0.0050	<0.010	<0.0050
Cadmium	mg/L	0.0000141	0.0000082	0.0000351	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	0.0000169	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Calcium	mg/L	31.00	27.30	26.40	4.61	4.70	5.37	5.28	6.08	6.11	5.79	6.50	6.56	3.52	4.54	3.94
Chromium	mg/L	0.000150	0.000072	0.000169	0.000110	0.000106	0.000919	0.000170	0.000063	<0.000050	0.000075	0.000310	<0.000050	0.000070	0.000130	0.000075
Cobalt	mg/L	0.000101	0.000181	0.000097	0.000074	0.000062	0.000121	0.000086	0.000068	0.000066	0.000084	0.000519	0.000046	0.000073	0.000061	0.000122
Copper	mg/L	0.001710	0.000892	0.000753	0.000959	0.000939	0.001360	0.001290	0.001100	0.001090	0.000891	0.001270	0.000929	0.000809	0.001250	0.001130
Iron	mg/L	0.0582	0.1050	0.0658	0.0869	0.0836	0.0938	0.0821	0.0437	0.0448	0.0595	0.2210	0.0315	0.0866	0.0580	0.1040
Lead	mg/L	<0.000020	0.0000107	0.0000364	0.0000117	0.0000127	0.0000066	0.0000060	<0.0000050	<0.0000050	0.0000089	0.0000300	<0.0000050	0.0000109	<0.000020	0.0000135
Magnesium	mg/L	19.100	17.200	17.900	2.910	2.830	3.860	4.030	4.420	4.480	3.400	4.550	4.420	2.020	3.000	2.500
Manganese	mg/L	0.0293	0.0465	0.0187	0.0090	0.0078	0.0194	0.0248	0.0142	0.0151	0.0192	0.1140	0.0088	0.0150	0.0153	0.0331
Mercury	mg/L	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019
Molybdenum	mg/L	0.044100	0.040600	0.037600	0.003760	0.003590	0.006190	0.006790	0.007080	0.006900	0.004960	0.013000	0.011100	0.002290	0.004920	0.005270
Nickel	mg/L	0.00272	0.00276	0.00222	0.00156	0.00148	0.00146	0.00144	0.00125	0.00127	0.00150	0.00187	0.00099	0.00079	0.00079	0.00068
Potassium	mg/L	26.700	26.000	25.600	3.050	2.940	4.030	4.140	4.840	4.890	4.220	5.830	5.820	2.520	3.630	3.380
Selenium	mg/L	0.000204	0.000165	0.000133	0.000099	0.000042	0.000053	0.000081	0.000058	0.000075	0.000050	0.000141	0.000072	<0.000040	0.000064	<0.000040
Silicon	mg/L	0.108	0.133	0.150	0.210	0.208	0.070	0.078	0.089	0.077	0.140	0.169	0.058	0.170	0.112	0.079
Silver	mg/L	<0.000010	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.000010	<0.0000050	<0.0000050	<0.000010	<0.0000050
Sodium	mg/L	74.400	58.000	58.700	7.100	6.870	9.780	9.910	10.200	10.300	9.630	13.400	12.000	5.570	7.950	6.780
Strontium	mg/L	0.6210	0.5570	0.5120	0.0609	0.0583	0.0733	0.0767	0.0874	0.0864	0.0882	0.1120	0.1090	0.0482	0.0732	0.0652
Uranium	mg/L	0.000387	0.000365	0.000413	0.000086	0.000082	0.000115	0.000095	0.000090	0.000089	0.000083	0.000141	0.000078	0.000070	0.000092	0.000083
Vanadium	mg/L	0.00048	0.00012	0.00012	0.00008	0.00008	0.00014	0.00014	<0.000050	<0.000050	0.00005	0.00030	<0.000050	0.00006	0.00038	0.00009
Zinc	mg/L	0.0015	0.0004	0.0002	0.0003	0.0003	0.0002	0.0003	0.0006	0.0003	0.0004	0.0013	0.0002	0.0002	0.0014	0.0002

Stream	Units	Slipper-Lac de Gras	Cujo Outflow	Cujo Outflow	Cujo Outflow	Cujo Outflow	Cujo Outflow	Cujo Outflow	Christine-Lac du Sauvage	Christine-Lac du Sauvage	Christine-Lac du Sauvage	Christine-Lac du Sauvage	Pigeon Stream R1	Pigeon Stream R1	Pigeon Stream R1	Pigeon Stream R1
Sampling Date		3-Sep-24	15-Jun-24	14-Jul-24	14-Jul-24	3-Aug-24	1-Sep-24	1-Sep-24	14-Jul-24	6-Aug-24	6-Aug-24	3-Sep-24	15-Jun-24	15-Jun-24	13-Jul-24	13-Jul-24
Replicate		1	1	1	2	1	1	2	1	1	2	1	1	2	1	2
Laboratory Sample ID		CUW427	CPR990	CRN190	CRN203	CSW867	CUW088	CUW089	CRN163	CSX076	CSX077	CUW420	CPR996	CPR997	CRM812	CRM813
Field Data																
pH		7.21	7.25	7.99	7.99	8.25	7.27	7.43	7.12	-	-	7.06	6.45	6.45	6.88	6.88
Temperature		11.2	8.7	16.6	16.6	14.4	12.9	12.9	16.0	-	-	10.1	10.8	10.8	18.0	18.0
Physical Variables/Ions																
Specific conductivity	µS/cm	89.5	153.0	197.0	196.0	211.0	216.0	219.0	82.5	94.5	94.9	96.3	25.9	25.9	27.7	28.3
Water hardness	mg/L $CaCO_3$	21.30	47.50	48.20	48.40	50.90	56.70	56.90	31.50	35.50	35.00	30.60	8.95	10.30	9.29	8.96
pH (laboratory-measured)	-	6.19	7.36	7.44	7.27	6.77	6.47	6.44	6.79	6.59	6.61	6.32	6.59	6.51	6.46	6.50
TSS	mg/L	17.0	1.5	1.7	1.7	2.6	1.9	3.0	<1.0	1.2	1.4	10.0	<1.0	<1.0	<1.0	<1.0
TDS (calculated)	mg/L	46.0	85.0	120.0	120.0	120.0	130.0	130.0	48.0	55.0	55.0	55.0	12.0	13.0	12.0	12.0
Turbidity	NTU	5.50	1.70	2.30	2.50	3.30	4.20	4.00	1.30	1.40	1.90	2.40	0.13	0.12	<0.10	0.13
Total alkalinity	mg/L $CaCO_3$	12.60	38.40	38.20	40.10	46.00	47.60	46.50	16.80	22.00	23.40	26.70	4.87	4.93	4.81	5.08
Alkalinity, bicarbonate	mg/L $CaCO_3$	12.63	38.46	38.21	40.10	46.00	47.56	46.49	16.81	21.98	23.37	26.65	4.87	4.93	4.81	5.08
Alkalinity, carbonate	mg/L CO_3	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835
Alkalinity, hydroxide	mg/L OH	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47
Chloride	mg/L	9.50	5.70	8.40	8.30	9.00	8.90	9.00	2.30	2.70	2.70	2.60	1.10	1.30	1.90	1.60
Fluoride	mg/L	0.032	0.07	0.079	0.072	0.082	0.088	0.095	0.039	0.054	0.055	0.059	0.017	0.015	0.02	0.019
Sulphate	mg/L	12.0	26.0	43.0	43.0	43.0	43.0	42.0	18.0	18.0	18.0	18.0	3.2	3.3	2.1	2.1
Ion balance	%	4	0.54	2.1	2.5	1.8	1.2	0.19	8.9	9.8	7.7	1.9	-	15	-	-
Nutrients/Organics																
Total ammonia-N	mg/L	0.0057	0.0290	0.0270	0.0330	0.0570	0.0560	0.0520	0.0160	0.0180	0.0170	0.0140	<0.0050	<0.0050	0.0330	0.0170
Nitrate-N	mg/L	<0.0020	0.0960	0.5900	0.5800	0.4000	0.5500	0.5500	0.0033	0.0110	0.0094	0.0280	0.0071	0.0060	0.0024	0.0059
Nitrite-N	mg/L	<0.0010	0.0035	0.0100	0.0100	0.0070	0.0036	0.0016	0.0025	<0.0010	<0.0010	<0.0010	0.0022	0.0017	<0.0010	<0.0010
Nitrate and nitrite (as N)	mg/L	<0.0022	0.1000	0.6000	0.5900	0.4100	0.5500	0.5500	0.0058	0.0110	0.0094	0.0280	0.0093	0.0077	0.0024	0.0059
TKN	mg/L	0.300	0.454	0.631	0.656	0.972	1.100	1.200	0.350	0.389	0.417	0.370	0.218	0.217	0.278	0.273
Total nitrogen	mg/L	0.30	0.55	1.20	1.20	1.40	1.70	1.70	0.36	0.40	0.43	0.39	0.23	0.23	0.28	0.28
Ortho-phosphate	mg/L	0.0010	<0.0010	<0.0010	0.0032	<0.0010	<0.0010	<0.0010	0.0011	<0.0010	<0.0010	0.0010	<0.0010	<0.0010	<0.0010	0.0012
Total phosphorus	mg/L	0.0110	0.0066	0.0150	0.0160	0.0210	0.0210	0.0220	0.0036	0.0038	0.0046	0.0039	0.0074	0.0031	0.0032	0.0100
TOC	mg/L	3.9	5.1	4.7	5.4	6.1	6.9	6.7	5.3	5.5	6.0	5.9	4.4	3.6	3.7	4.1

Stream	Units	Slipper-Lac de Gras	Cujo Outflow	Cujo Outflow	Cujo Outflow	Cujo Outflow	Cujo Outflow	Cujo Outflow	Christine-Lac du Sauvage	Christine-Lac du Sauvage	Christine-Lac du Sauvage	Christine-Lac du Sauvage	Pigeon Stream R1	Pigeon Stream R1	Pigeon Stream R1	Pigeon Stream R1
Sampling Date		3-Sep-24	15-Jun-24	14-Jul-24	14-Jul-24	3-Aug-24	1-Sep-24	1-Sep-24	14-Jul-24	6-Aug-24	6-Aug-24	3-Sep-24	15-Jun-24	15-Jun-24	13-Jul-24	13-Jul-24
Replicate		1	1	1	2	1	1	2	1	1	2	1	1	2	1	2
Laboratory Sample ID		CUW427	CPR990	CRN190	CRN203	CSW867	CUW088	CUW089	CRN163	CSX076	CSX077	CUW420	CPR996	CPR997	CRM812	CRM813
Total Metals																
Aluminum	mg/L	0.2250	0.0295	0.0281	0.0288	0.0134	0.0099	0.0141	0.0159	0.0135	0.0126	0.0090	0.0532	0.0464	0.0289	0.0428
Antimony	mg/L	0.000088	0.000030	0.000095	0.000092	0.000105	0.000071	0.000072	<0.000020	0.000031	0.000021	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Arsenic	mg/L	0.000694	0.000797	0.001040	0.001040	0.001170	0.001090	0.001150	0.000628	0.000723	0.000727	0.000534	0.000229	0.000243	0.000268	0.000245
Barium	mg/L	0.0094	0.0127	0.0166	0.0167	0.0154	0.0155	0.0158	0.0071	0.0071	0.0070	0.0054	0.0061	0.0064	0.0036	0.0037
Beryllium	mg/L	<0.000010	0.0000210	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	0.0000140	<0.000010	0.0000110	<0.000010	<0.000010	<0.000010	<0.000010
Boron	mg/L	<0.010	0.0106	0.0139	0.0143	0.0156	0.015	0.0151	<0.010	0.0128	0.0099	0.0071	<0.0050	<0.0050	<0.010	<0.0050
Cadmium	mg/L	<0.0000050	0.0000051	0.0000071	<0.0000050	0.0000056	0.0000052	0.0000074	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	0.0000105
Calcium	mg/L	3.99	8.57	8.40	8.39	8.73	9.89	9.88	4.94	5.53	5.39	4.67	1.68	2.04	1.54	1.51
Chromium	mg/L	0.000930	0.000074	0.000755	0.000904	0.000073	0.000052	0.000060	0.000190	0.000094	0.000076	<0.000050	0.000122	0.000108	0.000300	0.000826
Cobalt	mg/L	0.000360	0.000279	0.000293	0.000278	0.000183	0.000174	0.000189	0.000111	0.000177	0.000188	0.000138	0.000182	0.000173	0.000112	0.000279
Copper	mg/L	0.001770	0.000797	0.001160	0.001190	0.001120	0.001110	0.001100	0.001100	0.001070	0.001090	0.000852	0.000772	0.000811	0.000860	0.000936
Iron	mg/L	0.4970	0.2760	0.1880	0.1750	0.1030	0.0924	0.1110	0.0681	0.0755	0.0745	0.0525	0.1670	0.1710	0.1590	0.2530
Lead	mg/L	0.0001010	0.0000193	0.0000241	0.0000260	0.0000070	<0.0000050	0.0000082	<0.000020	0.0000103	0.0000084	<0.0000050	0.0000180	0.0000195	<0.000020	0.0000450
Magnesium	mg/L	2.740	6.320	6.620	6.660	7.070	7.760	7.820	4.650	5.260	5.230	4.590	1.160	1.260	1.320	1.260
Manganese	mg/L	0.0674	0.0545	0.0291	0.0278	0.0161	0.0091	0.0093	0.0185	0.0301	0.0306	0.0270	0.0091	0.0091	0.0101	0.0269
Mercury	mg/L	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019
Molybdenum	mg/L	0.005400	0.002440	0.009800	0.009850	0.011300	0.008120	0.008220	0.000586	0.000942	0.000939	0.000709	<0.000050	<0.000050	<0.000050	<0.000050
Nickel	mg/L	0.00124	0.00253	0.00342	0.00350	0.00313	0.00302	0.00323	0.00132	0.00136	0.00141	0.00116	0.00129	0.00137	0.00104	0.00109
Potassium	mg/L	3.450	6.120	9.240	9.410	10.200	10.600	10.800	3.690	4.590	4.480	4.090	0.827	0.894	0.908	0.919
Selenium	mg/L	0.000063	0.000094	0.000089	0.000074	0.000113	0.000093	0.000113	0.000054	0.000065	0.000064	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040
Silicon	mg/L	0.346	0.105	0.052	0.054	0.087	0.130	0.136	0.092	0.081	0.079	0.106	0.217	0.252	0.108	0.093
Silver	mg/L	<0.000010	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.000010	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.000010	<0.0000050
Sodium	mg/L	6.970	8.050	14.900	15.000	17.100	15.400	15.600	4.650	5.840	5.750	5.100	0.911	0.998	1.000	0.993
Strontium	mg/L	0.0631	0.0729	0.0891	0.0925	0.0960	0.1010	0.1020	0.0424	0.0499	0.0496	0.0395	0.0107	0.0112	0.0103	0.0102
Uranium	mg/L	0.000153	0.000527	0.000890	0.000896	0.000898	0.000735	0.000754	0.000061	0.000075	0.000075	0.000055	0.000036	0.000038	0.000027	0.000026
Vanadium	mg/L	0.00063	0.00007	0.00017	0.00015	0.00008	<0.000050	<0.000050	0.00038	0.00011	0.00012	<0.000050	0.00020	0.00022	<0.00020	0.00010
Zinc	mg/L	0.0014	0.0003	0.0005	0.0005	0.0004	0.0004	0.0005	0.0012	0.0003	0.0002	0.0002	0.0006	0.0007	<0.0010	0.0022

Stream	Units	Pigeon Stream R1	Pigeon Stream R1	Pigeon Stream R1	Pigeon Stream R1	Ulu Outflow	Ulu Outflow	Horseshoe Outflow	Horseshoe Outflow	Horseshoe Outflow	Horseshoe Outflow	HWL2 Outflow	HWL2 Outflow	HWL2 Outflow	HWL2 Outflow	HWL2 Outflow
Sampling Date		5-Aug-24	5-Aug-24	31-Aug-24	31-Aug-24	5-Aug-24	31-Aug-24	14-Jun-24	13-Jul-24	1-Aug-24	2-Sep-24	14-Jun-24	13-Jul-24	4-Aug-24	4-Aug-24	2-Sep-24
Replicate		1	2	1	2	1	1	1	1	1	1	1	1	1	2	1
Laboratory Sample ID		CSW941	CSW942	CUW436	CUW437	CSW945	CUW439	CPS327	CRM792	CSX069	CUW092	CPS329	CRM805	CSX026	CSX027	CUW093
Field Data																
pH		6.60	6.60	6.64	6.64	6.55	6.36	7.08	6.67	6.02	6.25	5.98	6.94	6.27	6.27	6.04
Temperature		12.5	12.5	10.6	10.6	17.2	11.3	12.3	15.7	11.0	9.8	4.4	16.6	13.9	13.9	10.7
Physical Variables/Ions																
Specific conductivity	µS/cm	36.0	35.8	48.2	49.1	36.9	36.4	26.8	30.2	30.4	33.7	15.1	17.6	15.7	16.0	16.4
Water hardness	mg/L $CaCO_3$	13.50	13.70	17.30	17.50	14.00	13.40	8.75	10.30	10.80	14.70	5.02	5.59	5.64	5.33	5.50
pH (laboratory-measured)	-	6.31	6.28	6.11	6.14	6.32	6.18	6.90	6.56	6.27	6.11	6.55	6.46	6.17	6.11	6.00
TSS	mg/L	1.3	1.5	1.3	1.9	13.0	2.9	1.1	1.1	<1.0	1.5	<1.0	<1.0	1.2	<1.0	1.4
TDS (calculated)	mg/L	17.0	18.0	25.0	24.0	18.0	18.0	13.0	15.0	15.0	22.0	7.1	8.4	7.6	7.5	7.7
Turbidity	NTU	0.98	1.20	1.30	1.10	6.90	2.80	<0.10	0.13	1.80	1.60	0.12	1.10	<0.10	0.12	1.70
Total alkalinity	mg/L $CaCO_3$	8.62	9.39	10.50	10.50	10.80	10.90	7.61	7.95	9.71	11.50	4.25	4.19	3.96	3.95	4.28
Alkalinity, bicarbonate	mg/L $CaCO_3$	8.61	9.43	10.50	10.58	10.82	10.91	7.61	7.95	9.68	11.48	4.25	4.19	3.96	3.94	4.29
Alkalinity, carbonate	mg/L CO_3	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835
Alkalinity, hydroxide	mg/L OH	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47
Chloride	mg/L	1.50	1.60	1.90	1.50	<0.50	<0.50	0.70	0.54	<0.50	<0.50	<0.50	0.53	<0.50	<0.50	<0.50
Fluoride	mg/L	0.024	0.015	0.03	0.028	0.027	0.029	0.02	0.03	0.035	0.05	0.016	0.02	0.021	0.013	0.027
Sulphate	mg/L	3.6	3.6	8.2	8.1	4.7	4.4	3.0	3.5	3.0	7.1	1.7	2.2	2.0	2.1	2.0
Ion balance	%	12	9.5	1.3	3.3	14	12	4	9.4	12	5.4	-	-	-	-	-
Nutrients/Organics																
Total ammonia-N	mg/L	0.0097	<0.0050	<0.0050	<0.0050	0.0790	0.0930	0.0250	0.0230	0.0330	0.0230	<0.0050	0.0054	<0.0050	0.0096	<0.0050
Nitrate-N	mg/L	0.0090	0.0130	0.0210	0.0170	0.0045	0.0055	0.0050	0.0053	0.0210	0.0220	0.0030	0.0047	<0.0020	0.0037	<0.0020
Nitrite-N	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0015	<0.0010	0.0012	<0.0010	0.0023	0.0036	<0.0010	0.0010	<0.0010
Nitrate and nitrite (as N)	mg/L	0.0090	0.0130	0.0210	0.0170	0.0045	0.0055	0.0065	0.0053	0.0220	0.0220	0.0053	0.0083	<0.0022	0.0047	<0.0022
TKN	mg/L	0.335	0.330	0.320	0.310	0.734	0.490	0.287	0.351	0.437	0.340	0.195	0.147	0.221	0.170	0.230
Total nitrogen	mg/L	0.34	0.34	0.34	0.33	0.74	0.50	0.29	0.36	0.46	0.36	0.20	0.15	0.22	0.17	0.23
Ortho-phosphate	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	0.0011	0.0015	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Total phosphorus	mg/L	0.0083	0.0051	0.0045	0.0042	0.0250	0.0140	0.0047	0.0049	0.0062	0.0055	0.0039	0.0027	0.0041	0.0050	0.0170
TOC	mg/L	4.7	4.5	4.3	4.5	6.8	6.0	4.2	4.2	4.8	4.6	3.7	3.0	3.8	3.5	3.7

Stream	Units	Pigeon Stream R1	Pigeon Stream R1	Pigeon Stream R1	Pigeon Stream R1	Ulu Outflow	Ulu Outflow	Horseshoe Outflow	Horseshoe Outflow	Horseshoe Outflow	Horseshoe Outflow	HWL2 Outflow	HWL2 Outflow	HWL2 Outflow	HWL2 Outflow	HWL2 Outflow
Sampling Date		5-Aug-24	5-Aug-24	31-Aug-24	31-Aug-24	5-Aug-24	31-Aug-24	14-Jun-24	13-Jul-24	1-Aug-24	2-Sep-24	14-Jun-24	13-Jul-24	4-Aug-24	4-Aug-24	2-Sep-24
Replicate		1	2	1	2	1	1	1	1	1	1	1	1	1	2	1
Laboratory Sample ID		CSW941	CSW942	CUW436	CUW437	CSW945	CUW439	CPS327	CRM792	CSX069	CUW092	CPS329	CRM805	CSX026	CSX027	CUW093
Total Metals																
Aluminum	mg/L	0.0419	0.0326	0.0427	0.0258	0.1800	0.0499	0.0144	0.0113	0.0096	0.0056	0.0372	0.0270	0.0205	0.0201	0.0197
Antimony	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	0.000024	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Arsenic	mg/L	0.000422	0.000392	0.000359	0.000328	0.000727	0.000625	0.000204	0.000269	0.000360	0.000243	0.000179	0.000262	0.000311	0.000341	0.000647
Barium	mg/L	0.0063	0.0063	0.0073	0.0073	0.0074	0.0049	0.0030	0.0028	0.0042	0.0041	0.0032	0.0028	0.0027	0.0026	0.0024
Beryllium	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Boron	mg/L	<0.010	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	0.0097	<0.0050	<0.010
Cadmium	mg/L	<0.0000050	0.0000060	<0.0000050	<0.0000050	0.0000109	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Calcium	mg/L	2.20	2.22	2.97	2.99	2.07	2.06	1.50	1.66	1.82	2.34	0.93	1.02	1.00	0.92	0.99
Chromium	mg/L	0.000190	0.000140	0.000154	0.000116	0.000560	0.000210	0.000070	0.000270	<0.000050	<0.000050	0.000117	0.000802	0.000087	0.000074	<0.00010
Cobalt	mg/L	0.000401	0.000659	0.000238	0.000243	0.000517	0.000334	0.000062	0.000112	0.000252	0.000118	0.000438	0.000120	0.000345	0.000412	0.000226
Copper	mg/L	0.000900	0.000866	0.000868	0.000746	0.001770	0.000930	0.000515	0.000600	0.000642	0.000482	0.000634	0.000642	0.000735	0.000821	0.000930
Iron	mg/L	0.4200	0.3720	0.2190	0.1990	0.8580	0.5690	0.1250	0.1720	0.4780	0.1610	0.2050	0.1640	0.1870	0.2190	0.2910
Lead	mg/L	<0.000020	0.0000160	0.0000169	0.0000122	0.0001290	0.0000520	0.0000099	<0.000020	0.0000116	0.0000083	0.0000177	<0.0000050	0.0000060	0.0000051	<0.000020
Magnesium	mg/L	1.950	1.970	2.410	2.440	2.140	2.010	1.220	1.490	1.520	2.150	0.653	0.739	0.767	0.739	0.738
Manganese	mg/L	0.0242	0.0424	0.0185	0.0179	0.0476	0.0396	0.0071	0.0147	0.0439	0.0161	0.0370	0.0224	0.0219	0.0235	0.0128
Mercury	mg/L	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019
Molybdenum	mg/L	0.000157	0.000132	0.000206	0.000192	0.000127	0.000061	<0.000050	0.000112	0.000059	0.000144	<0.000050	<0.000050	0.000244	0.000058	<0.000050
Nickel	mg/L	0.00185	0.00191	0.00226	0.00213	0.00254	0.00167	0.00084	0.00098	0.00098	0.00066	0.00089	0.00052	0.00086	0.00093	0.00091
Potassium	mg/L	1.110	1.150	1.330	1.310	1.090	1.080	0.892	1.040	1.120	1.540	0.523	0.574	0.621	0.606	0.631
Selenium	mg/L	0.000076	<0.000040	<0.000040	<0.000040	0.000082	0.000046	<0.000040	<0.000040	0.000045	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040
Silicon	mg/L	0.446	0.447	0.845	0.834	0.302	0.237	0.122	0.134	0.163	0.100	0.275	0.284	0.377	0.258	0.317
Silver	mg/L	<0.000010	<0.0000050	<0.0000050	<0.0000050	<0.000010	<0.000010	<0.0000050	<0.000010	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.000010
Sodium	mg/L	1.230	1.270	1.360	1.340	1.670	1.650	1.170	1.420	1.460	1.920	0.644	0.751	0.853	0.819	0.792
Strontium	mg/L	0.0173	0.0168	0.0243	0.0244	0.0153	0.0153	0.0100	0.0104	0.0126	0.0154	0.0063	0.0077	0.0071	0.0064	0.0068
Uranium	mg/L	0.000071	0.000071	0.000085	0.000082	0.000364	0.000169	0.000107	0.000092	0.000098	0.000075	0.000087	0.000088	0.000086	0.000086	0.000108
Vanadium	mg/L	0.00024	0.00020	0.00019	0.00016	0.00052	<0.00020	0.00008	<0.00020	<0.000050	0.00006	0.00013	0.00006	<0.000050	0.00007	<0.00020
Zinc	mg/L	0.0017	0.0006	0.0006	0.0004	0.0012	<0.0010	0.0002	0.0020	0.0005	0.0002	0.0008	0.0003	0.0005	0.0006	<0.0010

Stream	Units	HWL2 Outflow	Ross Outflow	Ross Outflow	Ross Outflow	Ross Outflow	Ross Outflow	Logan Outflow	Logan Outflow	Logan Outflow	Logan Outflow	Logan Outflow	1616-30 (LLCF)[1]	1616-43 (KPSF)	0008-Sa3 (TRSP)[1]
Sampling Date		2-Sep-24	14-Jun-24	14-Jun-24	13-Jul-24	5-Aug-24	3-Sep-24	14-Jun-24	13-Jul-24	13-Jul-24	5-Aug-24	3-Sep-24	6-Aug-24	6-Aug-24	7-Aug-24
Replicate		2	1	2	1	1	1	1	1	2	1	1	1	1	1
Laboratory Sample ID		CUW094	CPS333	CPS334	CRM815	CSW944	CUW426	CPS330	CRM807	CRM808	CSW940	CUW424	CSX073	CSX074	CSW887
Field Data															
pH		6.04	6.35	6.35	6.85	6.09	5.99	6.32	6.77	6.77	6.74	6.28	7.39	7.97	7.01
Temperature		10.7	6.5	6.5	15.6	12.3	7.9	5.8	16.4	16.4	15.0	10.5	16.1	15.8	16.9
Physical Variables/Ions															
Specific conductivity	µS/cm	17.0	14.3	14.5	15.8	14.9	16.0	15.8	16.8	17.1	16.0	17.0	682	363	174
Water hardness	mg/L $CaCO_3$	5.12	5.14	5.20	5.15	5.32	5.54	5.75	5.39	5.37	5.55	5.47	135	73.4	62.9
pH (laboratory-measured)	-	5.95	6.68	6.83	6.45	6.20	5.93	6.57	6.46	6.43	6.20	6.02	6.78	7.13	6.79
TSS	mg/L	2.9	<1.0	<1.0	<0.99	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.9	<1.0
TDS (calculated)	mg/L	7.5	7.0	7.2	7.0	7.3	7.7	7.3	8.0	7.3	7.5	7.4	380	220	99
Turbidity	NTU	2.00	0.12	0.13	<0.10	<0.10	0.12	1.40	0.12	<0.10	0.11	0.12	<0.10	1.7	<0.10
Total alkalinity	mg/L $CaCO_3$	4.30	4.12	4.44	3.60	3.85	4.30	4.26	3.94	4.05	4.46	4.37	44.3	66.8	40.7
Alkalinity, bicarbonate	mg/L $CaCO_3$	4.30	4.12	4.44	3.60	3.85	4.31	4.26	3.94	4.05	4.47	4.37	44.36	66.83	40.75
Alkalinity, carbonate	mg/L CO_3	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835	<0.835
Alkalinity, hydroxide	mg/L OH	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47
Chloride	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.52	<0.50	<0.50	<0.50	100	16	3.7
Fluoride	mg/L	0.023	0.02	0.015	0.018	0.02	0.024	0.017	0.019	0.018	0.019	0.024	0.029	0.133	0.209
Sulphate	mg/L	2.0	1.6	1.6	1.9	1.8	1.9	1.6	2.1	1.8	1.6	1.6	120	77	36
Ion balance	%	-	-	-	-	-	-	-	-	-	-	-	5	3.7	1.6
Nutrients/Organics															
Total ammonia-N	mg/L	0.0051	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0056	0.0230	<0.0050	0.0059	<0.0050	0.0240	0.0320	0.0220
Nitrate-N	mg/L	<0.0020	0.0052	0.0046	0.0076	0.0250	0.0200	0.0042	0.0130	<0.0020	0.0055	0.0030	0.3800	2.2000	0.7300
Nitrite-N	mg/L	<0.0010	0.0015	0.0016	0.0019	<0.0010	<0.0010	0.0010	0.0130	<0.0010	<0.0010	<0.0010	0.0025	0.0130	0.0075
Nitrate and nitrite (as N)	mg/L	<0.0022	0.0067	0.0062	0.0095	0.0250	0.0200	0.0053	0.0260	<0.0022	0.0055	0.0030	0.3800	2.2000	0.7400
TKN	mg/L	0.210	0.155	0.180	0.166	0.197	0.170	0.186	0.162	0.175	0.223	0.180	0.409	0.390	0.335
Total nitrogen	mg/L	0.21	0.16	0.19	0.18	0.22	0.19	0.19	0.19	0.17	0.23	0.18	0.79	2.60	1.10
Ortho-phosphate	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Total phosphorus	mg/L	0.0140	<0.0020	0.0035	0.0025	0.0020	0.0032	0.0033	<0.0020	0.0023	0.0021	0.0034	<0.0020	0.0230	0.0024
TOC	mg/L	3.0	3.4	3.1	2.6	3.2	3.5	4.0	3.3	3.0	3.5	3.5	3.3	4.5	3.1

Stream	Units	HWL2 Outflow	Ross Outflow	Ross Outflow	Ross Outflow	Ross Outflow	Ross Outflow	Logan Outflow	Logan Outflow	Logan Outflow	Logan Outflow	Logan Outflow	1616-30 (LLCF)[1]	1616-43 (KPSF)	0008-Sa3 (TRSP)[1]
Sampling Date		2-Sep-24	14-Jun-24	14-Jun-24	13-Jul-24	5-Aug-24	3-Sep-24	14-Jun-24	13-Jul-24	13-Jul-24	5-Aug-24	3-Sep-24	6-Aug-24	6-Aug-24	7-Aug-24
Replicate		2	1	2	1	1	1	1	1	2	1	1	1	1	1
Laboratory Sample ID		CUW094	CPS333	CPS334	CRM815	CSW944	CUW426	CPS330	CRM807	CRM808	CSW940	CUW424	CSX073	CSX074	CSW887
Total Metals															
Aluminum	mg/L	0.0148	0.0232	0.0222	0.0190	0.0151	0.0154	0.0246	0.0167	0.0123	0.0137	0.0106	0.0428	0.1000	0.0106
Antimony	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	0.000516	0.000257	0.000027
Arsenic	mg/L	0.000477	0.000121	0.000121	0.000183	0.000176	0.000181	0.000140	0.000157	0.000148	0.000178	0.000165	0.000297	0.001370	0.000350
Barium	mg/L	0.0023	0.0026	0.0026	0.0024	0.0027	0.0022	0.0025	0.0020	0.0021	0.0019	0.0016	0.0478	0.0427	0.0191
Beryllium	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Boron	mg/L	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0191	0.0273	<0.0050
Cadmium	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	0.0000058	<0.0000050	<0.0000050	<0.0000050	<0.0000050	0.0000089	0.0000073	<0.0000050
Calcium	mg/L	0.93	1.08	1.10	0.92	0.99	0.97	1.25	1.01	1.01	1.07	1.01	26.80	13.80	10.90
Chromium	mg/L	<0.000050	<0.000050	<0.000050	0.000100	<0.000050	0.000054	<0.000050	<0.000050	0.000724	<0.000050	<0.000050	0.000396	0.000557	<0.000050
Cobalt	mg/L	0.000191	0.000096	0.000105	0.000132	0.000203	0.000079	0.000104	0.000067	0.000046	0.000065	0.000025	0.000094	0.000352	0.000135
Copper	mg/L	0.000912	0.000470	0.000484	0.000810	0.000650	0.000608	0.000508	0.000612	0.000576	0.000607	0.000585	0.001280	0.001870	0.000607
Iron	mg/L	0.2150	0.0676	0.0735	0.0785	0.0991	0.0623	0.1010	0.0721	0.0512	0.0709	0.0247	0.0704	0.3300	0.0716
Lead	mg/L	0.0000071	0.0000078	0.0000071	<0.000020	0.0000063	<0.0000050	0.0000080	<0.0000050	<0.0000050	<0.0000050	<0.0000050	0.0000186	0.0000714	0.0000354
Magnesium	mg/L	0.683	0.591	0.599	0.695	0.694	0.759	0.639	0.697	0.693	0.699	0.713	16.600	9.420	8.670
Manganese	mg/L	0.0099	0.0121	0.0132	0.0160	0.0232	0.0078	0.0269	0.0170	0.0123	0.0190	0.0064	0.0190	0.0243	0.0243
Mercury	mg/L	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019
Molybdenum	mg/L	<0.000050	<0.000050	<0.000050	0.000057	<0.000050	<0.000050	<0.000050	0.000081	<0.000050	<0.000050	<0.000050	0.060200	0.033600	0.001940
Nickel	mg/L	0.00091	0.00047	0.00049	0.00046	0.00039	0.00036	0.00046	0.00043	0.00041	0.00040	0.00031	0.00279	0.00783	0.00231
Potassium	mg/L	0.573	0.480	0.483	0.573	0.606	0.569	0.513	0.552	0.552	0.598	0.596	25.400	19.700	6.230
Selenium	mg/L	<0.000040	<0.000040	0.000046	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	0.000193	0.000215	<0.000040
Silicon	mg/L	0.303	0.185	0.181	0.154	0.151	0.239	0.152	0.102	0.098	0.096	0.115	0.095	0.446	0.135
Silver	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.000010	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Sodium	mg/L	0.732	0.664	0.666	0.751	0.733	0.759	0.735	0.769	0.757	0.763	0.786	55.600	30.100	5.750
Strontium	mg/L	0.0065	0.0062	0.0062	0.0058	0.0068	0.0062	0.0074	0.0078	0.0071	0.0080	0.0074	0.5450	0.2040	0.0886
Uranium	mg/L	0.000105	0.000060	0.000059	0.000069	0.000065	0.000056	0.000060	0.000060	0.000060	0.000061	0.000067	0.000371	0.010400	0.001880
Vanadium	mg/L	0.00008	<0.000050	<0.000050	<0.00020	<0.000050	<0.000050	<0.000050	0.00006	<0.000050	<0.000050	<0.000050	0.00019	0.00049	<0.000050
Zinc	mg/L	0.0008	0.0004	0.0004	<0.0010	0.0004	0.0003	0.0004	0.0003	0.0002	0.0003	0.0003	0.0004	0.0009	0.0002

Notes:

< = less than the analytical detection limit indicated; dash (-) = the variable was not analysed/calculated or excluded due to a laboratory processing error; KPSF = King Pond Settling Facility; PDC = Panda Diversion Channel; TDS = total dissolved solids; TKN = total Kjeldahl nitrogen; TOC = total organic carbon; TSS = total suspended solids

Shaded values represent evaluated variables with concentrations greater than benchmark or outside of benchmark range (see Section 2.2.5.1 of Part 1—Annual Report).

[1] No Discharge into the Receiving Water occurred during the 2024 AEMP Monitoring Year.

3.3.3 Water Quality QA/QC

Duplicate samples were collected at each depth at near-field lake sites (i.e., Kodiak, Leslie, Moose, Cujo, Horseshoe, Connor, and Thinner lakes and Fay Bay). In addition, duplicate water quality samples were to be collected for 10% of the samples collected at non-near-field sites per sampling event (e.g., under-ice lake sampling or July stream sampling, per watershed). For calculating the required number of duplicate samples for non-near-field sites, sites were grouped as:

- Reference sites;
- Koala Watershed and Lac de Gras sites;
- King-Cujo Watershed and Lac du Sauvage sites;
- Pigeon-Fay and Upper Exeter Watershed sites;
- Horseshoe Watershed and Lower Exeter Lake sites; and
- Point Lake Development lakes.

Field, travel, and equipment blanks were also collected as part of the AEMP QA/QC program. The target number of field and travel blanks was approximately 5% of the total number of samples collected for each sampling event (e.g., under-ice season lake sampling, July stream sampling, etc.). An equipment blank was collected at the beginning of each lake sampling event from each sampler used (or if acid-cleaned during the program). A total of seven equipment blanks, five field blanks (7% of samples), and five travel blanks (7% of samples) were collected during the ice-covered season sampling event (Table 3.3-5). During the open-water season, four equipment, four field (5% of samples), and five travel blanks (6% of samples) were processed as part of the lake sampling (Table 3.3-6) and eight field and eight travel blanks (i.e., two per sampling month, 9% to 11% of samples per sampling month) were processed as part of the stream water quality sampling (Table 3.3-7). Travel blanks for August lake sampling were requested but were not shipped by the analytical laboratory with the rest of the sample bottles. When it was discovered that the travel blanks were not shipped, they were “rush” shipped from Edmonton and arrived late in the August sampling program. Although the number of travel blanks collected met the requirements outlined in the Plan, they were collected on the same day and were not shipped and stored with the sample bottles for the entire duration of the trip. Additionally, it was determined that the deionized water used in these travel blanks was not acceptable for low-level analyses. These factors limit the use of the August lake travel blank samples as QA/QC samples, and although the data are presented in Table 3.3-6, these sample results were not considered further.

In 2024, equipment, field, and travel blanks had detectable concentrations of water quality variables indicating the potential for low-level contamination. Detectable concentrations are highlighted for each QA/QC sample collected from lakes during the ice-covered and open-water seasons, and streams during the open-water season (Tables 3.3-5, 3.3-6, and 3.3-7, respectively). Correspondence with the analytical laboratory indicated that concentrations in blanks less than two times the DL can be attributed to a variety of causes including variations in water quality, trace bottle contaminants, and fluctuations in instrument performance, thus generally do not trigger a laboratory investigation. Concentrations in AEMP lake and stream samples that were within the range observed for QA/QC samples were interpreted with caution. There was no evident pattern of contamination because for variables with detectable concentrations in the QA/QC samples, concentrations at the AEMP sites were typically within the range historically observed (see Tables 3.3-2, 3.3-3, and 3.3-4; and Appendix C).

Table 3.3-5 Under-Ice Water Quality Data for AEMP Lake QA/QC Samples, 2024

Sample Type	Units	Equipment Blank							Field Blank					Trip Blank				
Sampling Date		28-Mar-24	29-Mar-24	30-Mar-24	1-Apr-24	3-Apr-24	6-Apr-24	11-Apr-24	28-Mar-24	31-Mar-24	7-Apr-24	8-Apr-24	8-Apr-24	28-Mar-24	31-Mar-24	7-Apr-24	8-Apr-24	8-Apr-24
Lab Sample ID		CLQ642	CLQ783	CLQ725	CLQ716	CMH610	CMH578	CMH558	CLQ640	CLQ773	CMH545	CMH627	CMH629	CLQ641	CLQ774	CMH546	CMH628	CMH630
Physical Variables/Ions																		
Specific conductivity	µS/cm	<1.0	<1.0	<1.0	<1.0	**66.8**	**50.3**	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	<1.0	<1.0
Water hardness	mg/L $CaCO_3$	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
pH (laboratory-measured)	-	5.5	5.33	5.52	5.35	3.69	3.81	5.59	5.34	5.62	5.68	5.83	5.68	5.62	5.36	5.77	5.66	5.78
TSS	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
TDS (calculated)	mg/L	<0.66	<0.66	<0.66	<0.66	**5.9**	**5.5**	<0.66	<0.66	<0.66	<0.66	<0.66	1	<0.66	<0.66	<0.66	<0.66	<0.66
Turbidity	NTU	<0.10	<0.10	<0.10	<0.10	<0.10	0.11	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Total alkalinity	mg/L $CaCO_3$	<0.50	0.64	0.6	0.64	<0.50	<0.50	0.75	0.62	0.67	0.68	0.97	0.74	0.56	<0.50	0.67	0.79	0.85
Alkalinity, bicarbonate	mg/L $CaCO_3$	<0.50	0.64	0.6	0.65	<0.50	<0.50	0.75	0.62	0.67	0.68	0.97	0.74	0.57	<0.50	0.67	0.79	0.85
Alkalinity, carbonate	mg/L CO_3	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Alkalinity, hydroxide	mg/L OH	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chloride	mg/L	<0.50	<0.50	<0.50	<0.50	**5.9**	**5.5**	<0.50	<0.50	<0.50	<0.50	<0.50	0.59	<0.50	<0.50	<0.50	<0.50	<0.50
Fluoride	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.021	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Sulphate	mg/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Ion balance	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nutrients/Organics																		
Total ammonia-N	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Nitrate-N	mg/L	0.0028	0.0021	<0.0020	0.0044	<0.0020	<0.0020	<0.0020	0.0023	0.0026	<0.0020	<0.0020	<0.0020	0.0027	<0.0020	<0.0020	<0.0020	0.0022
Nitrite-N	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0026	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Nitrate and nitrite (as N)	mg/L	0.0028	<0.0022	<0.0022	0.0044	<0.0022	<0.0022	<0.0022	0.0023	0.0052	<0.0022	<0.0022	<0.0022	0.0027	<0.0022	<0.0022	<0.0022	0.0022
TKN	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Total nitrogen	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Ortho-phosphate	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0011	<0.0010	<0.0010	<0.0010	0.0012	0.0017	0.001	<0.0010	<0.0010	0.0011	0.001	0.0017
Total phosphorus	mg/L	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
TOC	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

Sample Type	Units	Equipment Blank							Field Blank					Trip Blank				
Sampling Date		28-Mar-24	29-Mar-24	30-Mar-24	1-Apr-24	3-Apr-24	6-Apr-24	11-Apr-24	28-Mar-24	31-Mar-24	7-Apr-24	8-Apr-24	8-Apr-24	28-Mar-24	31-Mar-24	7-Apr-24	8-Apr-24	8-Apr-24
Lab Sample ID		CLQ642	CLQ783	CLQ725	CLQ716	CMH610	CMH578	CMH558	CLQ640	CLQ773	CMH545	CMH627	CMH629	CLQ641	CLQ774	CMH546	CMH628	CMH630
Total Metals																		
Aluminum	mg/L	0.00035	0.00027	<0.00020	0.00031	0.00078	0.00085	0.00021	<0.00020	<0.00020	0.00045	0.00033	**0.00638**	0.00076	0.00028	<0.00020	0.00022	0.00031
Antimony	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Arsenic	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Barium	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	0.000031	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Beryllium	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	0.000014	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Boron	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Cadmium	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Calcium	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Chromium	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Cobalt	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Copper	mg/L	<0.000050	<0.000050	0.000076	<0.000050	0.000158	0.000107	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Iron	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Lead	mg/L	<0.0000050	<0.0000050	0.0000126	<0.0000050	**0.0000378**	0.0000139	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	0.000007	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Magnesium	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Manganese	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	0.000078	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	0.000123	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Mercury	mg/L	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019
Molybdenum	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Nickel	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Potassium	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Selenium	mg/L	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040
Silicon	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Silver	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Sodium	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.011	<0.010	<0.010
Strontium	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	0.000051	<0.000050	<0.000050
Uranium	mg/L	<0.0000020	<0.0000020	<0.0000020	<0.0000020	<0.0000020	<0.0000020	<0.0000020	<0.0000020	<0.0000020	0.0000034	<0.0000020	<0.0000020	<0.0000020	<0.0000020	<0.0000020	<0.0000020	<0.0000020
Vanadium	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Zinc	mg/L	0.00043	0.00034	**0.00154**	0.00019	**0.0008**	**0.00065**	0.00018	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010

Notes:
< = less than the analytical detection limit indicated; dash (-) = that the variable was not analysed/calculated; TDS = total dissolved solids; TKN = total Kjeldahl nitrogen; TOC = total organic carbon; TSS = total suspended solids
Shaded values indicate concentrations greater than analytical detection limit. Bold indicates when values greater than 5-times the DL.

Table 3.3-6 Open-Water Water Quality Data for AEMP Lake QA/QC Samples, 2024

Sample Type	Units	Equipment Blank				Field Blank				Travel Blank				
Sampling Date		26-Jul-24	27-Jul-24	30-Jul-24	5-Aug-24	27-Jul-24	30-Jul-24	1-Aug-24	3-Aug-24	28-Jul-24	6-Aug-24	6-Aug-24	6-Aug-24	6-Aug-24
Lab Sample ID		CSN286	CSN352	CSN299	CSX004	CSN251	CSN297	CSW930	CSW882	CSN383	CSX075	CSW977	CSW975	CSW976
Physical Variables/Ions														
Specific conductivity	µS/cm	<1.0	<1.0	1.1	1.1	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	1.1	1	1.1
Water hardness	mg/L $CaCO_3$	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
pH (laboratory-measured)	-	5.37	5.67	5.63	4.95	5.15	5.52	5.7	5.79	5.28	5.82	5.31	5.48	5.39
TSS	mg/L	<1.0	<1.0	<1.0	<1.0	<0.99	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
TDS (calculated)	mg/L	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	0.7	<0.66	<0.66
Turbidity	NTU	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Total alkalinity	mg/L $CaCO_3$	<0.50	<0.50	<0.50	0.55	<0.50	<0.50	0.60	0.70	<0.50	<0.50	1.11	<0.50	1.04
Alkalinity, bicarbonate	mg/L $CaCO_3$	<0.34	<0.34	<0.34	0.46	<0.34	<0.34	0.49	0.58	<0.34	<0.34	0.91	<0.34	0.85
Alkalinity, carbonate	mg/L CO_3	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39	<1.39
Alkalinity, hydroxide	mg/L OH	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32
Chloride	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Fluoride	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Sulphate	mg/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Ion balance	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Nutrients/Organics														
Total ammonia-N	mg/L	<0.0050	<0.0050	0.008	<0.0050	<0.0050	0.0099	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Nitrate-N	mg/L	<0.0020	**0.018**	0.0042	0.0025	0.0024	<0.0020	<0.0020	0.0035	0.002	0.0059	0.002	<0.0020	0.0023
Nitrite-N	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.001	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Nitrate and nitrite (as N)	mg/L	<0.0022	**0.018**	0.0042	0.0025	0.0024	<0.0022	<0.0022	0.0035	<0.0022	0.0059	<0.0022	<0.0022	0.0023
TKN	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Total nitrogen	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Ortho-phosphate	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Total phosphorus	mg/L	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
TOC	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.5	<0.50	0.57	<0.50	<0.20	<0.20	<0.20

Sample Type	Units	Equipment Blank				Field Blank				Travel Blank				
Sampling Date		26-Jul-24	27-Jul-24	30-Jul-24	5-Aug-24	27-Jul-24	30-Jul-24	1-Aug-24	3-Aug-24	28-Jul-24	6-Aug-24	6-Aug-24	6-Aug-24	6-Aug-24
Lab Sample ID		CSN286	CSN352	CSN299	CSX004	CSN251	CSN297	CSW930	CSW882	CSN383	CSX075	CSW977	CSW975	CSW976
Total Metals														
Aluminum	mg/L	0.00075	0.00093	0.0024	0.00086	0.00068	0.00057	0.00045	0.00093	0.00034	0.00116	0.0021	0.00029	0.00027
Antimony	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Arsenic	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Barium	mg/L	0.000021	<0.000020	0.000033	0.000049	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	**0.000162**	**0.000195**	**0.000157**	**0.000308**
Beryllium	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Boron	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0059	<0.0050	<0.0050
Cadmium	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	0.0000099	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Calcium	mg/L	<0.010	<0.010	<0.010	0.017	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Chromium	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	0.000097	<0.000050	<0.000050
Cobalt	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	0.0000074	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Copper	mg/L	0.000064	<0.000050	<0.000050	0.000151	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	**0.000638**	**0.000733**	**0.000696**	**0.000688**
Iron	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Lead	mg/L	0.0000163	0.0000078	<0.0000050	0.0000195	<0.0000050	<0.0000050	<0.0000050	0.0000079	<0.0000050	**0.0000489**	**0.000062**	**0.0000652**	**0.0000539**
Magnesium	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Manganese	mg/L	<0.000050	0.000085	0.000093	0.000068	0.000075	0.000093	<0.000050	0.000077	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Mercury	mg/L	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019
Molybdenum	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	0.000084	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Nickel	mg/L	<0.000020	<0.000020	0.00003	0.000042	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	**0.000295**	<0.000020	<0.000020
Potassium	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.014	<0.010	<0.010	<0.010	<0.010	<0.010
Selenium	mg/L	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040
Silicon	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Silver	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Sodium	mg/L	0.017	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.014	0.011	<0.010
Strontium	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Uranium	mg/L	<0.0000020	0.0000034	<0.0000020	<0.0000020	<0.0000020	<0.0000020	<0.0000020	<0.0000020	<0.0000020	<0.0000020	<0.0000020	0.0000023	<0.0000020
Vanadium	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	0.000058	<0.000050	0.000052
Zinc	mg/L	0.00011	0.0002	0.00013	0.00046	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00024	0.00029	0.00019	0.0002

Notes:
< = less than the analytical detection limit indicated; dash (-) = that the variable was not analysed/calculated; TDS = total dissolved solids; TKN = total Kjeldahl nitrogen; TOC = total organic carbon; TSS = total suspended solids
Shaded values indicate concentrations greater than analytical detection limit. Bold indicates when values greater than 5-times the DL.

Table 3.3-7 Water Quality Data for Stream QA/QC Samples, 2024

Sample Type	Units	Field Blank								Travel Blank							
Sampling Date		14-Jun-24	15-Jun-24	14-Jul-24	14-Jul-24	2-Aug-24	5-Aug-24	31-Aug-24	1-Sep-24	14-Jun-24	15-Jun-24	13-Jul-24	14-Jul-24	6-Aug-24	1-Aug-24	31-Aug-24	1-Sep-24
Lab Sample ID		CPS325	CPR985	CRN141	CRN231	CSW963	CSW939	CUW432	CUW085	CPS326	CPR986	CRM791	CRN151	CSX075	CSX068	CUW433	CUW086
Physical Variables/Ions																	
Specific conductivity	µS/cm	<1.0	<1.0	<1.0	1	<1.0	1	1.1	1.2	<1.0	<1.0	1	1.1	<1.0	<1.0	1.1	1.3
Water hardness	mg/L $CaCO_3$	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
pH (laboratory-measured)	-	5.86	5.04	5.81	4.98	5.7	5.62	5.75	5.76	5.76	5.99	5.41	5.57	5.82	5.62	5.57	5.81
TSS	mg/L	<1.0	<1.0	<1.0	<1.0	<0.99	<1.0	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
TDS (calculated)	mg/L	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66
Turbidity	NTU	0.16	<0.10	<0.10	0.15	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Total alkalinity	mg/L $CaCO_3$	0.91	<0.50	<0.50	<0.50	<0.50	<0.50	0.64	0.52	<0.50	0.59	<0.50	<0.50	<0.50	<0.50	0.5	<0.50
Alkalinity, bicarbonate	mg/L $CaCO_3$	1.11	<0.50	<0.50	<0.50	<0.50	<0.50	0.78	0.63	<0.50	0.72	<0.50	<0.50	<0.50	<0.50	0.62	<0.50
Alkalinity, carbonate	mg/L CO_3	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Alkalinity, hydroxide	mg/L OH	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chloride	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Fluoride	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Sulphate	mg/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Ion balance	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nutrients/Organics																	
Total ammonia-N	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	0.0052	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.024	<0.0050	<0.0050
Nitrate-N	mg/L	0.0029	0.0035	<0.0020	0.0047	0.0032	0.0032	0.0053	<0.0020	0.0029	<0.0020	<0.0020	<0.0020	0.0059	<0.0020	<0.0020	<0.0020
Nitrite-N	mg/L	0.0026	0.0021	<0.0010	0.0014	<0.0010	<0.0010	<0.0010	<0.0010	0.0023	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Nitrate and nitrite (as N)	mg/L	0.0055	0.0055	<0.0022	0.0061	0.0032	0.0032	0.0053	<0.0022	0.0052	<0.0022	<0.0022	<0.0022	0.0059	<0.0022	<0.0022	<0.0022
TKN	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Total nitrogen	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Ortho-phosphate	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Total phosphorus	mg/L	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
TOC	mg/L	<0.50	<0.50	<0.50	<0.50	0.55	0.68	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

Sample Type	Units	Field Blank								Travel Blank							
Sampling Date		14-Jun-24	15-Jun-24	14-Jul-24	14-Jul-24	2-Aug-24	5-Aug-24	31-Aug-24	1-Sep-24	14-Jun-24	15-Jun-24	13-Jul-24	14-Jul-24	6-Aug-24	1-Aug-24	31-Aug-24	1-Sep-24
Lab Sample ID		CPS325	CPR985	CRN141	CRN231	CSW963	CSW939	CUW432	CUW085	CPS326	CPR986	CRM791	CRN151	CSX075	CSX068	CUW433	CUW086
Total Metals																	
Aluminum	mg/L	0.00055	0.00028	<0.00020	0.00032	0.00086	0.00221	0.00047	0.00044	0.00021	0.00021	0.00021	0.00036	0.00116	0.00023	<0.00020	0.00032
Antimony	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Arsenic	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Barium	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	0.000162	<0.000020	<0.000020	<0.000020
Beryllium	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	0.00001	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Boron	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Cadmium	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	0.000009	<0.0000050	0.0000063	<0.0000050	<0.0000050	<0.0000050	0.000005	<0.0000050
Calcium	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Chromium	mg/L	<0.000050	<0.000050	**0.000647**	<0.000050	<0.000050	0.0001	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Cobalt	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	0.0000073	<0.0000050	0.0000148	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Copper	mg/L	<0.000050	<0.000050	<0.000050	0.000066	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	0.000638	<0.000050	<0.000050	<0.000050
Iron	mg/L	<0.0010	<0.0010	0.003	<0.0010	<0.0010	0.0036	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Lead	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	0.0000071	<0.0000050	<0.0000050	<0.0000050	0.0000489	<0.0000050	<0.0000050	<0.0000050
Magnesium	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Manganese	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	0.000346	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Mercury	mg/L	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019
Molybdenum	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	0.00008	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Nickel	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	0.00002	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	0.000026	<0.000020	<0.000020
Potassium	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Selenium	mg/L	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040
Silicon	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Silver	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Sodium	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	0.014	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Strontium	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Uranium	mg/L	<0.0000020	<0.0000020	<0.0000020	<0.0000020	<0.0000020	<0.0000020	<0.0000020	<0.0000020	<0.0000020	<0.0000020	<0.0000020	<0.0000020	<0.0000020	<0.0000020	0.000002	<0.0000020
Vanadium	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	0.000059	<0.000050
Zinc	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00024	<0.00010	<0.00010	<0.00010

Notes:
< = less than the analytical detection limit indicated; dash (-) = that the variable was not analysed/calculated; TDS = total dissolved solids; TKN = total Kjeldahl nitrogen; TOC = total organic carbon; TSS = total suspended solids
Shaded values indicate concentrations greater than analytical detection limit. Bold indicates when values greater than 5-times the DL.

3.4 Phytoplankton

Phytoplankton samples were collected in late July to mid-August for 22 AEMP lake sites. Chlorophyll *a* analyses was completed by ALS. Taxonomic analyses were completed by EcoAnalysts Inc (EcoAnalysts).

3.4.1 Phytoplankton Biomass

Phytoplankton biomass is measured using chlorophyll *a* concentrations.

Table 3.4-1 Chlorophyll *a* Concentrations for AEMP Lakes, 2024

Lake	Sampling Date	Replicate	Chlorophyll *a* Concentration (µg/L)
Nanuq	July 31, 2024	1	0.37
		2	0.56
		3	0.47
		Mean	**0.46**
		SE	**0.05**
Counts	July 30, 2024	1	1.92
		2	1.81
		3	1.89
		Mean	**1.87**
		SE	**0.03**
Vulture	July 30, 2024	1	0.62
		2	0.71
		3	0.67
		Mean	**0.67**
		SE	**0.03**
Northeast	July 27, 2024	1	1.10
		2	1.04
		3	0.87
		Mean	**1.01**
		SE	**0.07**
Kodiak	August 4, 2024	1	2.51
		2	3.30
		3	3.27
		Mean	**3.03**
		SE	**0.26**

Lake	Sampling Date	Replicate	Chlorophyll *a* Concentration (µg/L)
Leslie	August 4, 2024	1	0.75
		2	0.92
		3	0.76
		Mean	**0.81**
		SE	**0.05**
Moose	August 3, 2024	1	2.07
		2	1.72
		3	2.15
		Mean	**1.98**
		SE	**0.13**
Nema	August 2, 2024	1	1.64
		2	1.73
		3	1.66
		Mean	**1.68**
		SE	**0.03**
Slipper	August 2, 2024	1	2.14
		2	1.72
		3	2.50
		Mean	**2.12**
		SE	**0.23**
S2	July 31, 2024	1	0.76
		2	0.96
		3	1.02
		Mean	**0.91**
		SE	**0.08**
S3	July 31, 2024	1	0.44
		2	0.61
		3	0.67
		Mean	**0.57**
		SE	**0.07**

Lake	Sampling Date	Replicate	Chlorophyll *a* Concentration (µg/L)
Cujo	August 3, 2024	1	17.40
		2	17.28
		3	18.08
		Mean	**17.59**
		SE	**0.25**
LdS1	August 5, 2024	1	0.65
		2	0.54
		3	0.67
		Mean	**0.62**
		SE	**0.04**
Ulu	July 29, 2024	1	1.97
		2	2.01
		3	1.96
		Mean	**1.98**
		SE	**0.01**
Horseshoe	July 29, 2024	1	2.51
		2	2.33
		3	2.56
		Mean	**2.47**
		SE	**0.07**
HWL2	July 28, 2024	1	0.67
		2	0.64
		3	0.67
		Mean	**0.66**
		SE	**0.01**
Ross	July 28, 2024	1	0.70
		2	0.58
		3	0.53
		Mean	**0.60**
		SE	**0.05**

Lake	Sampling Date	Replicate	Chlorophyll *a* Concentration (µg/L)
Logan	July 26, 2024	1	0.60
		2	0.60
		3	0.66
		Mean	**0.62**
		SE	**0.02**
Lower Exeter	July 27, 2024	1	0.23
		2	0.18
		3	0.31
		Mean	**0.24**
		SE	**0.04**
Connor	August 6, 2024	1	1.06
		2	1.16
		3	0.94
		Mean	**1.05**
		SE	**0.06**
Alexia	August 6, 2024	1	1.31
		2	1.42
		3	1.07
		Mean	**1.27**
		SE	**0.10**
Thinner	August 6, 2024	1	1.21
		2	1.05
		3	1.01
		Mean	**1.09**
		SE	**0.06**

Notes:

SE = standard error of the mean

Shaded values represent concentrations outside the benchmark range. See Section 2.2.5.2 of Part 1—Annual Report for benchmark values.

3.4.2 Phytoplankton Taxonomy

Phytoplankton densities (total density, edible density, and non-edible density) are presented for each of the monitored and reference lakes (Tables 3.4-2). Phytoplankton diversity (Shannon and Simpson's diversity indices) was calculated at the genus level for each site (Table 3.4-3). The taxonomic results of each phytoplankton replicate are presented in Table 3.4-4.

Edibility classification was based on methods utilized in the Aquatic Ecology Synthesis (AES; ERM 2016a). Phytoplankton with maximum linear dimension of less than 35 µm were considered edible while phytoplankton with certain morphological predator avoidance characteristics (e.g., large colonies, mucilage, spines) were considered inedible. Prior to 2024, edibility classifications had only been assigned to phytoplankton that had been identified to the genus or species level (ERM 2023a, 2024a). In 2024, high proportions of phytoplankton in some samples could not be identified to genus; however, edibility was assigned for all taxa because there was sufficient information available to assign edibility classifications using the same criteria used historically.

Table 3.4-2 Total, Edible, and Non-edible Phytoplankton Densities for AEMP Lakes, 2024

Lake	Sampling Date	Replicate	Total Density (cells/mL)	Edible Density (cells/mL)	Non-edible Density (cells/mL)
Nanuq	July 31, 2024	1	2,607	1,444	1,163
		2	4,497	1,370	3,127
		3	4,708	2,715	1,993
		Mean	**3,937**	**1,843**	**2,094**
		SE	**668**	**437**	**569**
Counts	July 30, 2024	1	31,667	29,414	2,254
		2	10,247	8,924	1,322
		3	9,472	6,293	3,179
		Mean	**17,129**	**14,877**	**2,252**
		SE	**7,273**	**7,308**	**536**
Vulture	July 30, 2024	1	3,108	2,671	437
		2	1,895	1,632	263
		3	1,389	956	433
		Mean	**2,131**	**1,753**	**378**
		SE	**510**	**499**	**57**
Northeast	July 27, 2024	1	18,131	2,268	15,863
		2	69,736	3,288	66,448
		3	27,272	1,899	25,373
		Mean	**38,380**	**2,485**	**35,895**
		SE	**15,899**	**415**	**15,521**

Lake	Sampling Date	Replicate	Total Density (cells/mL)	Edible Density (cells/mL)	Non-edible Density (cells/mL)
Kodiak	August 4, 2024	1	15,254	6,260	8,993
		2	15,852	10,033	5,819
		3	43,092	19,802	23,291
		Mean	**24,733**	**12,032**	**12,701**
		SE	**9,181**	**4,035**	**5,373**
Leslie	August 4, 2024	1	337	263	74
		2	417	306	110
		3	241	166	75
		Mean	**331**	**245**	**86**
		SE	**51**	**41**	**12**
Moose	August 3, 2024	1	4,823	3,101	1,723
		2	7,029	5,084	1,946
		3	5,603	3,347	2,256
		Mean	**5,819**	**3,844**	**1,975**
		SE	**646**	**624**	**155**
Nema	August 2, 2024	1	4,874	1,734	3,140
		2	1,493	326	1,167
		3	4,799	1,670	3,129
		Mean	**3,722**	**1,243**	**2,479**
		SE	**1,115**	**459**	**656**
Slipper	August 2, 2024	1	997	596	401
		2	2,584	1,851	734
		3	1,931	1,433	497
		Mean	**1,837**	**1,293**	**544**
		SE	**461**	**369**	**99**
S2	July 31, 2024	1	897	655	241
		2	3,383	2,253	1,130
		3	2,674	1,846	829
		Mean	**2,318**	**1,585**	**733**
		SE	**740**	**479**	**261**

Lake	Sampling Date	Replicate	Total Density (cells/mL)	Edible Density (cells/mL)	Non-edible Density (cells/mL)
S3	July 31, 2024	1	2,352	1,804	548
		2	681	533	147
		3	3,138	1,740	1,398
		Mean	**2,057**	**1,359**	**698**
		SE	**725**	**413**	**369**
Cujo	August 3, 2024	1	142,278	116,089	26,188
		2	236,869	236,869	0
		3	177,652	177,652	0
		Mean	**185,600**	**176,870**	**8,729**
		SE	**27,594**	**34,868**	**8,729**
LdS1	August 5, 2024	1	594	434	160
		2	331	170	161
		3	683	361	322
		Mean	**536**	**322**	**214**
		SE	**106**	**79**	**54**
Ulu	July 29, 2024	1	24,181	11,362	12,819
		2	85,155	4,757	80,399
		3	40,158	4,600	35,557
		Mean	**49,831**	**6,906**	**42,925**
		SE	**18,254**	**2,228**	**19,853**
Horseshoe	July 29, 2024	1	17,589	8,837	8,753
		2	11,326	7,493	3,832
		3	16,139	9,443	6,696
		Mean	**15,018**	**8,591**	**6,427**
		SE	**1,893**	**576**	**1,427**
HWL2	July 28, 2024	1	9,006	7,432	1,574
		2	21,886	8,083	13,803
		3	12,990	10,926	2,064
		Mean	**14,627**	**8,813**	**5,814**
		SE	**3,807**	**1,073**	**3,997**

Lake	Sampling Date	Replicate	Total Density (cells/mL)	Edible Density (cells/mL)	Non-edible Density (cells/mL)
Ross	July 28, 2024	1	12,240	10,582	1,658
		2	12,005	5,526	6,479
		3	12,369	10,143	2,226
		Mean	**12,187**	**8,750**	**3,454**
		SE	**182**	**1,617**	**1,521**
Logan	July 26, 2024	1	12,895	9,637	3,258
		2	9,336	7,873	1,463
		3	7,458	6,501	957
		Mean	**9,896**	**8,004**	**1,893**
		SE	**1,594**	**908**	**698**
Lower Exeter	July 27, 2024	1	2,171	832	1,339
		2	622	486	136
		3	245	196	49
		Mean	**1,013**	**505**	**508**
		SE	**589**	**184**	**416**
Connor	August 6, 2024	1	17,461	14,797	2,664
		2	19,329	16,029	3,300
		3	29,581	24,299	5,283
		Mean	**22,124**	**18,375**	**3,749**
		SE	**3,768**	**2,983**	**789**
Alexia	August 6, 2024	1	22,866	18,908	3,958
		2	10,423	8,495	1,928
		3	74,621	73,129	1,492
		Mean	**35,970**	**33,511**	**2,459**
		SE	**19,656**	**20,036**	**760**
Thinner	August 6, 2024	1	15,594	14,318	1,275
		2	6,502	4,599	1,902
		3	10,963	7,259	3,704
		Mean	**11,019**	**8,726**	**2,294**
		SE	**2,625**	**2,900**	**728**

Notes:

SE = standard error of the mean Table

Table 3.4-3 Phytoplankton Diversity Indices for AEMP Lakes, 2024

Lake	Sampling Date	Replicate	Shannon Diversity Index	Simpson's Diversity Index
Nanuq	31-Jul-24	1	1.98	0.77
		2	1.43	0.57
		3	1.91	0.75
		Mean	**1.77**	**0.70**
		SE	**0.17**	**0.07**
Counts	30-Jul-24	1	0.81	0.27
		2	1.55	0.53
		3	2.64	0.89
		Mean	**1.67**	**0.57**
		SE	**0.53**	**0.18**
Vulture	30-Jul-24	1	2.26	0.84
		2	2.52	0.88
		3	2.38	0.89
		Mean	**2.38**	**0.87**
		SE	**0.08**	**0.02**
Northeast	27-Jul-24	1	1.04	0.41
		2	0.45	0.14
		3	0.95	0.35
		Mean	**0.81**	**0.30**
		SE	**0.18**	**0.08**
Kodiak	4-Aug-24	1	1.69	0.67
		2	1.91	0.72
		3	1.37	0.63
		Mean	**1.66**	**0.68**
		SE	**0.15**	**0.03**
Leslie	4-Aug-24	1	2.31	0.88
		2	1.63	0.68
		3	1.92	0.82
		Mean	**1.95**	**0.79**
		SE	**0.20**	**0.06**

Lake	Sampling Date	Replicate	Shannon Diversity Index	Simpson's Diversity Index
Moose	3-Aug-24	1	2.52	0.89
		2	2.29	0.85
		3	2.22	0.83
		Mean	**2.34**	**0.85**
		SE	**0.09**	**0.02**
Nema	2-Aug-24	1	2.41	0.86
		2	1.48	0.58
		3	2.05	0.80
		Mean	**1.98**	**0.75**
		SE	**0.27**	**0.09**
Slipper	2-Aug-24	1	2.28	0.86
		2	2.31	0.83
		3	2.30	0.85
		Mean	**2.30**	**0.85**
		SE	**0.01**	**0.01**
S2	31-Jul-24	1	2.40	0.88
		2	2.08	0.81
		3	2.54	0.89
		Mean	**2.34**	**0.86**
		SE	**0.14**	**0.02**
S3	31-Jul-24	1	2.72	0.92
		2	2.42	0.90
		3	2.06	0.79
		Mean	**2.40**	**0.87**
		SE	**0.19**	**0.04**
Cujo	3-Aug-24	1	0.15	0.06
		2	0.69	0.49
		3	0.64	0.44
		Mean	**0.49**	**0.33**
		SE	**0.17**	**0.14**

Lake	Sampling Date	Replicate	Shannon Diversity Index	Simpson's Diversity Index
LdS1	5-Aug-24	1	2.31	0.88
		2	1.69	0.72
		3	1.81	0.79
		Mean	**1.94**	**0.80**
		SE	**0.19**	**0.05**
Ulu	29-Jul-24	1	1.21	0.62
		2	0.46	0.21
		3	0.39	0.13
		Mean	**0.69**	**0.32**
		SE	**0.26**	**0.15**
Horseshoe	29-Jul-24	1	1.61	0.71
		2	2.09	0.83
		3	2.05	0.81
		Mean	**1.92**	**0.78**
		SE	**0.16**	**0.04**
HWL2	28-Jul-24	1	1.68	0.72
		2	1.24	0.56
		3	1.26	0.51
		Mean	**1.39**	**0.60**
		SE	**0.14**	**0.06**
Ross	28-Jul-24	1	1.28	0.53
		2	1.53	0.66
		3	1.62	0.72
		Mean	**1.48**	**0.64**
		SE	**0.10**	**0.06**
Logan	26-Jul-24	1	1.40	0.59
		2	1.26	0.49
		3	1.63	0.66
		Mean	**1.43**	**0.58**
		SE	**0.11**	**0.05**

Lake	Sampling Date	Replicate	Shannon Diversity Index	Simpson's Diversity Index
Lower Exeter	27-Jul-24	1	1.25	0.49
		2	1.94	0.82
		3	1.22	0.66
		Mean	**1.47**	**0.65**
		SE	**0.24**	**0.09**
Connor	6-Aug-24	1	0.78	0.31
		2	0.91	0.37
		3	0.85	0.36
		Mean	**0.85**	**0.35**
		SE	**0.04**	**0.02**
Alexia	6-Aug-24	1	1.57	0.66
		2	1.69	0.73
		3	1.27	0.66
		Mean	**1.51**	**0.68**
		SE	**0.13**	**0.02**
Thinner	6-Aug-24	1	2.16	0.82
		2	2.56	0.89
		3	2.35	0.86
		Mean	**2.36**	**0.86**
		SE	**0.12**	**0.02**

Note:
SE = standard error of the mean

Table 3.4-4 Phytoplankton Taxonomy Results for AEMP Lakes, 2024

Lake	Nanuq			Counts			Vulture			Northeast			Kodiak			Leslie		
Sampling Date	31-Jul-2024			30-Jul-2024			30-Jul-2024			27-Jul-2024			4-Aug-2024			4-Aug-2024		
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Laboratory Sample ID	7932.39-01	7932.39-02	7932.39-03	7932.39-04	7932.39-05	7932.39-06	7932.39-07	7932.39-08	7932.39-09	7932.39-10	7932.39-11	7932.39-12	7932.39-13	7932.39-14	7932.39-15	7932.39-16	7932.39-17	7932.39-18
Percent Subsampled	0.0724%	0.0690%	0.0657%	0.0305%	0.0508%	0.0307%	0.0565%	0.0684%	0.0674%	0.0510%	0.0366%	0.0517%	0.0413%	0.0319%	0.0346%	0.0746%	0.0781%	0.0747%
Bacillariophyta																		
Bacillariophyceae																		
Achnanthidium sp.	42	114	12	39	150	169	62	29	-	-	-	-	39	38	46	-	-	-
Nitzschia sp.	11	23	66	92	8	13	14	12	-	-	-	-	29	13	-	-	-	-
Fragilaria spp.	-	-	-	157	39	91	14	23	-	-	11	-	29	25	23	-	-	-
Navicula spp.	-	-	-	-	-	52	21	6	-	-	-	22	10	13	23	-	-	-
Asterionella sp.	-	-	-	-	-	-	-	-	-	15	-	30	-	-	-	-	-	-
Tabellaria sp.	-	11	-	-	-	-	7	-	-	-	86	22	-	-	-	-	-	-
Tabellaria spp.	-	-	-	-	-	-	-	-	-	8	-	-	19	-	-	-	-	-
Unknown Centrales sp.	27	45	167	721	-	13	76	64	-	15	96	45	-	38	58	-	-	-
Unknown Centrales spp.	-	-	-	170	220	65	-	-	18	92	-	-	-	-	-	-	-	-
Chlorophyta																		
Chlorophyceae																		
Hyalocardium printzii	-	-	30	105	39	195	167	269	24	161	32	67	87	75	92	5	15	-
Stigeoclonium sp.	-	-	-	-	-	-	-	-	119	-	-	-	-	13	-	11	-	-
Tetraëdron minimum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coelastrum sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scenedesmus spp.	-	-	-	-	87	-	-	-	-	-	-	-	78	50	46	21	-	32
Planktosphaeria gelatinosa	-	-	24	13	8	26	7	-	6	31	-	-	10	63	185	-	5	-
Monoraphidium minutum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monoraphidium sp.	-	-	48	210	110	78	14	23	30	177	471	454	291	238	185	11	5	-
Monoraphidium spp.	-	-	36	157	24	39	-	-	-	146	75	-	-	-	-	-	-	-
Quadrigula closterioides	-	-	-	52	31	65	-	-	47	31	64	-	-	13	-	42	-	54
Unknown Chlorophyte (coccoid) sp.	-	-	-	-	-	-	-	626	623	31	-	-	-	-	-	-	-	-
Unknown Chlorophyte (coccoid) spp.	48	45	-	-	-	26	97	-	-	-	-	-	48	326	23	-	-	27
Unknown Chlorophyte (ellipsoid) sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Klebsormidiophyceae (*Elakatothrix* sp.)	80	102	66	183	63	169	-	76	12	54	21	15	97	50	35	-	5	-
Trebouxiophyceae																		
Dictyosphaerium sp.	16	80	107	288	472	1,173	97	-	-	531	450	119	-	263	3,443	-	-	21
Oocystis sp.	16	-	48	52	118	78	-	18	-	31	75	67	-	-	-	-	30	16
Stichococcus sp.	-	-	-	-	-	-	-	-	-	-	246	60	58	176	139	-	5	-
Crucigenia tetrapedia	-	57	-	314	16	52	-	-	-	8	-	-	48	75	92	-	-	-

Lake	Nanuq			Counts			Vulture			Northeast			Kodiak			Leslie		
Sampling Date	31-Jul-2024			30-Jul-2024			30-Jul-2024			27-Jul-2024			4-Aug-2024			4-Aug-2024		
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Laboratory Sample ID	7932.39-01	7932.39-02	7932.39-03	7932.39-04	7932.39-05	7932.39-06	7932.39-07	7932.39-08	7932.39-09	7932.39-10	7932.39-11	7932.39-12	7932.39-13	7932.39-14	7932.39-15	7932.39-16	7932.39-17	7932.39-18
Percent Subsampled	0.0724%	0.0690%	0.0657%	0.0305%	0.0508%	0.0307%	0.0565%	0.0684%	0.0674%	0.0510%	0.0366%	0.0517%	0.0413%	0.0319%	0.0346%	0.0746%	0.0781%	0.0747%
Zygnematophyceae																		
Cosmarium sp.	74	-	84	183	63	91	14	23	-	115	-	30	29	25	-	-	10	-
Cosmarium spp.	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spondylosium sp.	-	-	-	-	-	-	-	-	-	161	161	246	39	50	92	-	-	-
Staurastrum spp.	11	11	42	52	31	78	-	-	-	23	21	-	-	13	-	-	-	-
Teilingia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Roya sp.	27	57	48	210	102	339	125	94	95	31	21	37	29	13	-	-	-	-
Chrysophyta																		
Unknown Chrysophyte (cyst) sp.	-	-	382	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysophyceae																		
Chrysamoeba sp.	-	-	-	-	-	104	-	-	18	38	21	22	10	13	12	-	-	-
Chrysococcus sp.	-	449	-	-	24	261	-	29	36	-	54	-	-	38	46	-	-	5
Dinobryon sp.	37	51	66	105	63	13	42	53	24	123	353	417	78	63	92	-	5	-
Epipyxis sp.	-	-	-	-	-	65	83	12	-	8	-	30	-	25	-	-	-	-
Pseudokephyrion sp.	16	-	48	-	16	78	97	41	6	54	203	149	78	38	289	42	-	5
Ochromonas spp.	-	-	48	144	212	313	62	53	42	-	21	22	194	163	92	5	30	-
Bitrichia chodatii	11	45	18	-	8	-	-	-	-	31	43	15	29	-	23	5	-	5
Eustigmatophyceae (*Tetraëdriella jovetti*)	74	-	30	66	-	65	-	6	6	31	32	52	48	13	46	-	-	-
Phaeothamniophyceae (*Stichogloea* sp.)	-	-	-	-	-	1,485	-	-	-	77	43	119	-	690	-	-	55	-
Synurophyceae (*Mallomonas* sp.)	-	-	-	-	8	13	-	6	-	8	21	22	48	75	81	-	-	-
Cryptophyta																		
Cryptophyceae (*Cryptomonas* sp.)	42	85	6	26	63	-	-	-	-	15	11	30	39	63	58	21	-	32
Katablepharidophyceae (*Leucocryptos* sp.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanobacteria Cyanophyceae																		
Dolichospermum sp.	-	-	-	92	189	-	-	-	-	-	139	387	475	301	23	-	-	-
Chroococcus sp.	-	-	-	328	205	339	-	105	83	-	-	-	494	100	508	26	201	-
Cyanodictyon sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rhabdoderma sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leptolyngbya sp.	16	-	1,671	996	205	782	236	18	71	13,087	63,750	21,628	-	-	624	-	-	-
Leptolyngbya spp.	-	-	-	92	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aphanocapsa sp.	531	2,479	-	-	157	104	-	-	-	1,945	1,232	2,152	7,307	2,671	21,200	-	-	-
Aphanothece sp.	-	-	847	25,496	6,414	1,186	562	-	-	-	1,135	335	3,091	6,584	13,471	32	-	-
Coelomoron sp.	356	239	24	-	331	-	-	-	-	-	-	-	-	1,405	520	-	-	-
Coelosphaerium spp.	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Lake	Nanuq			Counts			Vulture			Northeast			Kodiak			Leslie		
Sampling Date	31-Jul-2024			30-Jul-2024			30-Jul-2024			27-Jul-2024			4-Aug-2024			4-Aug-2024		
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Laboratory Sample ID	7932.39-01	7932.39-02	7932.39-03	7932.39-04	7932.39-05	7932.39-06	7932.39-07	7932.39-08	7932.39-09	7932.39-10	7932.39-11	7932.39-12	7932.39-13	7932.39-14	7932.39-15	7932.39-16	7932.39-17	7932.39-18
Percent Subsampled	0.0724%	0.0690%	0.0657%	0.0305%	0.0508%	0.0307%	0.0565%	0.0684%	0.0674%	0.0510%	0.0366%	0.0517%	0.0413%	0.0319%	0.0346%	0.0746%	0.0781%	0.0747%
Merismopedia sp.	-	-	-	-	-	-	-	-	-	-	-	119	465	201	-	-	-	-
Phormidium sp.	-	-	-	419	-	-	-	-	-	269	129	283	775	238	370	-	-	-
Unknown Cyanophyte (coccoid) spp.	-	-	48	590	165	1,055	395	94	6	408	407	134	998	88	-	53	5	21
Unknown Cyanophyte sp. 2 ?	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euglenophyta																		
Euglenophyceae (*Trachelomonas* sp.)	-	-	-	-	-	26	7	-	-	8	-	-	-	-	12	5	-	-
Haptophyta																		
Coccolithophyceae (*Chrysochromulina* sp.)	-	-	639	-	181	26	14	29	-	-	11	-	-	-	-	-	-	-
Miozoa Dinophyceae																		
Protoperidinium sp.	5	40	12	52	-	13	14	18	-	-	-	-	10	-	-	11	10	11
Unknown Dinoflagellate sp.	69	142	30	39	47	13	21	6	24	62	118	45	78	113	69	16	5	-
Unidentified																		
Unknown alga (cyst) sp.	-	-	-	-	-	-	-	-	18	31	107	74	29	-	-	-	-	-
Unknown alga (flagellate) sp.	1,078	409	66	223	378	717	860	164	83	277	75	22	68	1,405	1,074	32	30	11
Total Density	2,607	4,497	4,708	31,667	10,247	9,472	3,108	1,895	1,389	18,131	69,736	27,272	15,254	15,852	43,092	337	417	241

Lake	Moose			Nema			Slipper			S2			S3			Cujo		
Sampling Date	3-Aug-2024			2-Aug-2024			2-Aug-2024			31-Jul-2024			31-Jul-2024			3-Aug-2024		
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Laboratory Sample ID	7932.39-19	7932.39-20	7932.39-21	7932.39-22	7932.39-23	7932.39-24	7932.39-25	7932.39-26	7932.39-27	7932.39-28	7932.39-29	7932.39-30	7932.39-31	7932.39-32	7932.39-33	7932.39-34	7932.39-35	7932.39-36
Percent Subsampled	0.0636%	0.0378%	0.0303%	0.0585%	0.0699%	0.0776%	0.0769%	0.0734%	0.0837%	0.0812%	0.0698%	0.0709%	0.0640%	0.0942%	0.0870%	0.0010%	0.0005%	0.0007%
Bacillariophyta																		
Bacillariophyceae																		
Achnanthidium sp.	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitzschia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fragilaria spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Navicula spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asterionella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tabellaria sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tabellaria spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Centrales sp.	-	-	139	-	-	299	-	-	205	-	189	752	331	74	281	-	-	-
Unknown Centrales spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorophyta																		
Chlorophyceae																		
Hyalocardium printzii	-	-	63	33	6	31	11	6	29	-	-	-	-	-	-	-	-	-
Stigeoclonium sp.	-	-	-	-	120	-	-	-	-	15	-	82	-	-	-	-	-	-
Tetraëdron minimum	-	-	-	-	-	-	-	-	-	15	34	6	51	35	28	-	-	-
Coelastrum sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scenedesmus spp.	206	173	51	53	34	82	-	22	-	-	11	-	13	-	19	-	3,127	-
Planktosphaeria gelatinosa	54	-	51	20	6	10	-	-	-	10	-	12	19	9	-	-	-	-
Monoraphidium minutum	-	-	127	13	11	31	-	11	-	-	-	6	-	-	-	-	3,909	586
Monoraphidium sp.	230	285	127	105	23	10	87	161	107	138	97	141	121	52	103	391	-	-
Monoraphidium spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quadrigula closterioides	-	-	-	53	-	-	-	-	-	-	-	-	-	-	38	-	-	-
Unknown Chlorophyte (coccoid) sp.	-	20	-	-	-	-	-	-	-	-	11	24	656	-	-	-	-	-
Unknown Chlorophyte (coccoid) spp.	42	-	-	92	183	103	49	33	34	15	-	-	6	-	-	-	-	-
Unknown Chlorophyte (ellipsoid) sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Klebsormidiophyceae (*Elakatothrix* sp.)	12	31	-	-	23	10	49	94	54	-	23	24	32	39	28	-	-	-
Trebouxiophyceae																		
Dictyosphaerium sp.	-	-	114	-	-	26	-	-	10	59	63	41	51	9	-	-	-	-
Oocystis sp.	48	-	13	164	23	113	16	67	-	39	11	29	-	-	-	-	-	-
Stichococcus sp.	73	163	190	85	23	46	32	78	29	-	11	18	45	4	9	391	-	-
Crucigenia tetrapedia	109	10	51	26	-	-	22	89	29	30	-	-	-	-	-	-	-	-

Lake	Moose			Nema			Slipper			S2			S3			Cujo		
Sampling Date	3-Aug-2024			2-Aug-2024			2-Aug-2024			31-Jul-2024			31-Jul-2024			3-Aug-2024		
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Laboratory Sample ID	7932.39-19	7932.39-20	7932.39-21	7932.39-22	7932.39-23	7932.39-24	7932.39-25	7932.39-26	7932.39-27	7932.39-28	7932.39-29	7932.39-30	7932.39-31	7932.39-32	7932.39-33	7932.39-34	7932.39-35	7932.39-36
Percent Subsampled	0.0636%	0.0378%	0.0303%	0.0585%	0.0699%	0.0776%	0.0769%	0.0734%	0.0837%	0.0812%	0.0698%	0.0709%	0.0640%	0.0942%	0.0870%	0.0010%	0.0005%	0.0007%
Zygnematophyceae																		
Cosmarium sp.	-	-	25	39	-	21	11	-	5	10	11	-	-	13	14	-	-	-
Cosmarium spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spondylosium sp.	73	-	-	72	6	21	5	89	5	10	11	59	45	-	9	-	-	-
Staurastrum spp.	-	-	-	-	-	10	-	-	-	-	-	-	25	-	9	-	-	-
Teilingia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Roya sp.	-	51	-	20	-	-	16	17	5	5	17	6	38	4	19	-	-	-
Chrysophyta																		
Unknown Chrysophyte (cyst) sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysophyceae																		
Chrysamoeba sp.	18	31	38	-	-	-	-	-	-	5	34	29	57	9	61	-	-	-
Chrysococcus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dinobryon sp.	103	92	76	79	34	31	60	22	29	44	52	123	76	30	80	-	-	-
Epipyxis sp.	-	10	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudokephyrion sp.	30	10	13	-	-	15	5	11	-	-	34	24	25	26	33	-	-	-
Ochromonas spp.	66	61	101	79	29	31	49	78	93	133	189	88	115	30	70	-	-	-
Bitrichia chodatii	24	31	-	7	11	26	32	72	15	-	-	-	-	-	-	-	-	-
Eustigmatophyceae (*Tetraëdriella jovetti*)	6	41	13	-	-	-	-	6	20	5	-	-	-	-	-	-	-	-
Phaeothamniophyceae (*Stichogloea* sp.)	199	244	279	512	-	113	-	-	44	-	-	-	115	48	211	-	-	-
Synurophyceae (*Mallomonas* sp.)	-	10	13	-	-	-	-	28	20	10	6	24	19	9	14	-	-	-
Cryptophyta																		
Cryptophyceae (*Cryptomonas* sp.)	24	20	13	20	23	93	27	72	83	-	6	12	13	4	14	-	-	-
Katablepharidophyceae (*Leucocryptos* sp.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanobacteria Cyanophyceae																		
Dolichospermum sp.	24	51	-	131	-	-	-	-	-	20	17	-	-	-	-	-	-	-
Chroococcus sp.	550	81	-	-	-	-	-	-	-	-	-	-	25	-	-	-	-	1,173
Cyanodictyon sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rhabdoderma sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leptolyngbya sp.	-	-	-	-	-	515	-	-	-	-	-	-	-	-	-	-	-	-
Leptolyngbya spp.	-	-	-	407	-	-	-	117	-	-	470	65	-	-	-	-	-	-
Aphanocapsa sp.	864	733	989	1,117	807	861	179	217	312	49	401	259	108	-	919	-	-	-
Aphanothece sp.	635	1,284	51	-	-	-	-	750	171	-	722	364	-	-	300	-	-	-
Coelomoron sp.	97	163	-	335	92	1,304	-	28	-	34	46	24	-	-	-	25,798	-	-
Coelosphaerium spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Lake	Moose			Nema			Slipper			S2			S3			Cujo		
Sampling Date	3-Aug-2024			2-Aug-2024			2-Aug-2024			31-Jul-2024			31-Jul-2024			3-Aug-2024		
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Laboratory Sample ID	7932.39-19	7932.39-20	7932.39-21	7932.39-22	7932.39-23	7932.39-24	7932.39-25	7932.39-26	7932.39-27	7932.39-28	7932.39-29	7932.39-30	7932.39-31	7932.39-32	7932.39-33	7932.39-34	7932.39-35	7932.39-36
Percent Subsampled	0.0636%	0.0378%	0.0303%	0.0585%	0.0699%	0.0776%	0.0769%	0.0734%	0.0837%	0.0812%	0.0698%	0.0709%	0.0640%	0.0942%	0.0870%	0.0010%	0.0005%	0.0007%
Merismopedia sp.	532	1,182	-	131	-	330	-	-	-	-	-	-	204	-	300	-	-	-
Phormidium sp.	73	306	558	191	-	62	-	-	-	-	-	118	-	-	-	-	-	-
Unknown Cyanophyte (coccoid) spp.	115	173	418	197	11	98	76	100	-	148	52	-	19	-	-	115,308	200,909	171,789
Unknown Cyanophyte sp. 2 ?	-	723	1,065	342	-	-	65	200	190	-	-	-	-	9	38	-	3,127	4,104
Euglenophyta																		
Euglenophyceae (*Trachelomonas* sp.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haptophyta																		
Coccolithophyceae (*Chrysochromulina* sp.)	6	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miozoa Dinophyceae																		
Protoperidinium sp.	-	-	-	-	-	-	-	-	-	-	-	18	-	-	-	-	-	-
Unknown Dinoflagellate sp.	60	20	13	7	29	10	-	17	10	15	40	24	38	4	28	-	-	-
Unidentified																		
Unknown alga (cyst) sp.	73	31	51	13	-	26	16	6	-	5	6	18	19	-	5	-	-	-
Unknown alga (flagellate) sp.	417	978	951	532	-	469	190	195	434	84	814	288	83	273	507	391	25,798	-
Total Density	4,823	7,029	5,603	4,874	1,493	4,799	997	2,584	1,931	897	3,383	2,674	2,352	681	3,138	142,278	236,869	177,652

Lake	LdS1			Ulu			Horseshoe			HWL2			Ross			Logan		
Sampling Date	5-Aug-2024			29-Jul-2024			29-Jul-2024			28-Jul-2024			28-Jul-2024			26-Jul-2024		
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Laboratory Sample ID	7932.39-37	7932.39-38	7932.39-39	7932.39-40	7932.39-41	7932.39-42	7932.39-43	7932.39-44	7932.39-45	7932.39-46	7932.39-47	7932.39-48	7932.39-49	7932.39-50	7932.39-51	7932.39-52	7932.39-53	7932.39-54
Percent Subsampled	0.0893%	0.0870%	0.0926%	0.0344%	0.0242%	0.0217%	0.0094%	0.0137%	0.0130%	0.0369%	0.0468%	0.0274%	0.0322%	0.0374%	0.0268%	0.0318%	0.0365%	0.0426%
Bacillariophyta																		
Bacillariophyceae																		
Achnanthidium sp.	-	-	-	-	-	-	-	86	-	-	-	-	-	-	15	-	-	-
Nitzschia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fragilaria spp.	-	-	-	-	-	-	-	86	154	-	-	-	-	-	-	-	-	-
Navicula spp.	-	-	-	-	-	-	-	-	-	21	-	-	-	-	-	-	-	-
Asterionella sp.	-	-	-	-	-	-	-	-	-	-	-	-	61	-	-	-	-	-
Tabellaria sp.	-	-	-	-	-	144	-	-	-	-	-	-	-	11	-	-	-	9
Tabellaria spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Centrales sp.	-	-	-	1,457	2,131	-	-	3,232	3,240	42	17	126	12	43	105	38	78	66
Unknown Centrales spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorophyta																		
Chlorophyceae																		
Hyalocardium printzii	-	-	-	-	-	-	-	29	-	-	-	-	-	-	-	-	-	-
Stigeoclonium sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetraëdron minimum	-	-	-	148	132	271	461	229	247	-	-	-	-	-	-	-	-	-
Coelastrum sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	726	-
Scenedesmus spp.	18	-	-	68	-	36	-	57	-	-	-	-	-	-	-	-	-	-
Planktosphaeria gelatinosa	-	5	-	-	-	-	-	-	31	21	25	14	-	21	15	-	11	9
Monoraphidium minutum	5	-	-	-	-	-	126	29	123	-	8	-	12	-	-	-	-	-
Monoraphidium sp.	9	5	-	57	66	108	670	572	370	125	67	126	49	54	75	13	89	9
Monoraphidium spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quadrigula closterioides	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Chlorophyte (coccoid) sp.	-	-	-	-	578	54	-	-	-	94	126	98	-	54	1,972	-	1,385	-
Unknown Chlorophyte (coccoid) spp.	-	-	4	-	132	253	586	-	-	-	-	-	1,048	-	-	214	134	56
Unknown Chlorophyte (ellipsoid) sp.	-	-	-	-	-	-	-	-	-	-	-	-	329	-	-	-	-	-
Klebsormidiophyceae (*Elakatothrix* sp.)	27	9	35	-	-	-	84	-	-	104	92	267	-	86	90	50	67	19
Trebouxiophyceae																		
Dictyosphaerium sp.	-	-	31	273	875	740	251	772	864	-	-	-	-	21	-	-	-	94
Oocystis sp.	-	-	-	57	33	72	-	-	-	42	67	-	-	75	224	-	-	-
Stichococcus sp.	5	18	-	182	149	253	2,010	1,487	1,389	208	168	267	-	364	403	252	212	253
Crucigenia tetrapedia	-	-	-	-	66	-	-	229	-	31	-	-	73	86	134	50	89	75

Lake	LdS1			Ulu			Horseshoe			HWL2			Ross			Logan		
Sampling Date	5-Aug-2024			29-Jul-2024			29-Jul-2024			28-Jul-2024			28-Jul-2024			26-Jul-2024		
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Laboratory Sample ID	7932.39-37	7932.39-38	7932.39-39	7932.39-40	7932.39-41	7932.39-42	7932.39-43	7932.39-44	7932.39-45	7932.39-46	7932.39-47	7932.39-48	7932.39-49	7932.39-50	7932.39-51	7932.39-52	7932.39-53	7932.39-54
Percent Subsampled	0.0893%	0.0870%	0.0926%	0.0344%	0.0242%	0.0217%	0.0094%	0.0137%	0.0130%	0.0369%	0.0468%	0.0274%	0.0322%	0.0374%	0.0268%	0.0318%	0.0365%	0.0426%
Zygnematophyceae																		
Cosmarium sp.	-	-	-	-	-	-	-	57	-	-	-	-	-	-	-	-	-	-
Cosmarium spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spondylosium sp.	-	-	-	-	-	-	42	-	-	-	-	-	-	-	-	-	-	94
Staurastrum spp.	-	-	-	-	33	-	-	-	-	-	-	-	-	-	-	-	22	-
Teilingia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Roya sp.	9	9	13	80	17	72	1,173	286	93	-	-	-	-	-	-	-	-	-
Chrysophyta																		
Unknown Chrysophyte (cyst) sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysophyceae																		
Chrysamoeba sp.	-	-	13	-	-	-	-	-	-	-	34	14	-	11	-	-	11	-
Chrysococcus sp.	-	-	-	-	-	-	-	-	-	-	67	169	85	64	30	63	89	56
Dinobryon sp.	41	28	75	91	330	198	251	286	278	83	101	84	61	54	120	101	101	56
Epipyxis sp.	-	-	-	-	-	-	-	-	-	31	25	-	-	-	-	13	-	-
Pseudokephyrion sp.	-	-	-	-	-	36	-	29	123	-	-	-	-	-	15	-	11	94
Ochromonas spp.	55	5	35	11	33	253	503	-	62	-	84	84	49	32	45	75	112	131
Bitrichia chodatii	5	5	-	11	-	54	-	-	-	-	-	-	-	11	30	-	-	-
Eustigmatophyceae (*Tetraëdriella jovetti*)	-	-	-	-	-	-	-	-	-	-	17	-	-	-	-	-	-	9
Phaeothamniophyceae (*Stichogloea* sp.)	14	-	13	102	149	90	-	-	-	417	436	1,011	524	610	30	893	335	413
Synurophyceae (*Mallomonas* sp.)	-	-	-	23	17	-	-	-	93	-	8	14	12	11	45	50	34	19
Cryptophyta																		
Cryptophyceae (*Cryptomonas* sp.)	5	5	-	-	17	18	-	86	31	-	-	-	-	-	-	13	-	-
Katablepharidophyceae (*Leucocryptos* sp.)	-	-	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-	-
Cyanobacteria Cyanophyceae																		
Dolichospermum sp.	37	83	-	-	-	-	-	-	309	-	184	-	24	-	-	-	-	-
Chroococcus sp.	18	-	-	-	-	-	-	-	123	83	-	-	293	96	-	-	-	-
Cyanodictyon sp.	-	-	-	-	-	-	-	-	-	42	-	-	-	-	-	-	-	-
Rhabdoderma sp.	-	-	-	-	-	-	-	-	-	-	134	197	-	-	-	-	-	-
Leptolyngbya sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leptolyngbya spp.	-	-	-	1,765	7,432	-	-	-	-	-	-	-	-	-	-	-	-	-
Aphanocapsa sp.	23	-	-	10,383	72,223	34,547	5,235	1,745	3,826	563	12,497	169	866	5,215	1,315	1,245	-	150
Aphanothece sp.	-	-	154	8,527	-	-	-	-	1,882	2,502	4,322	6,937	6,339	1,928	3,600	6,328	5,048	3,096
Coelomoron sp.	-	-	-	91	66	72	-	-	648	94	67	-	98	-	-	-	-	-
Coelosphaerium spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	692	-	-

Lake	LdS1			Ulu			Horseshoe			HWL2			Ross			Logan		
Sampling Date	5-Aug-2024			29-Jul-2024			29-Jul-2024			28-Jul-2024			28-Jul-2024			26-Jul-2024		
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Laboratory Sample ID	7932.39-37	7932.39-38	7932.39-39	7932.39-40	7932.39-41	7932.39-42	7932.39-43	7932.39-44	7932.39-45	7932.39-46	7932.39-47	7932.39-48	7932.39-49	7932.39-50	7932.39-51	7932.39-52	7932.39-53	7932.39-54
Percent Subsampled	0.0893%	0.0870%	0.0926%	0.0344%	0.0242%	0.0217%	0.0094%	0.0137%	0.0130%	0.0369%	0.0468%	0.0274%	0.0322%	0.0374%	0.0268%	0.0318%	0.0365%	0.0426%
Merismopedia sp.	-	-	-	-	-	-	-	-	-	2,439	1,809	744	792	1,028	2,868	403	223	1,088
Phormidium sp.	-	-	154	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Cyanophyte (coccoid) spp.	96	28	9	-	-	1,804	628	257	617	-	-	14	24	21	15	-	11	28
Unknown Cyanophyte sp. 2 ?	-	-	9	398	545	577	2,136	515	525	156	168	70	-	750	1,165	239	525	188
Euglenophyta																		
Euglenophyceae (*Trachelomonas* sp.)	-	-	-	-	-	-	-	-	-	-	-	-	-	11	15	-	-	-
Haptophyta																		
Coccolithophyceae (*Chrysochromulina* sp.)	-	-	-	-	-	-	-	86	-	10	17	14	49	11	45	38	22	56
Miozoa Dinophyceae																		
Protoperidinium sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Dinoflagellate sp.	-	-	9	34	-	18	-	29	62	-	-	28	24	11	-	25	-	19
Unidentified																		
Unknown alga (cyst) sp.	-	5	9	23	-	36	-	-	62	-	-	14	-	11	-	-	-	28
Unknown alga (flagellate) sp.	229	129	119	398	132	451	3,434	1,144	987	1,897	1,349	2,528	1,402	1,317	-	2,101	-	1,341
Total Density	594	331	683	24,181	85,155	40,158	17,589	11,326	16,139	9,006	21,886	12,990	12,240	12,005	12,369	12,895	9,336	7,458

Lake	Lower Exeter			Connor			Alexia			Thinner		
Sampling Date	27-Jul-2024			6-Aug-2024			6-Aug-2024			6-Aug-2024		
Replicate	1	2	3	1	2	3	1	2	3	1	2	3
Laboratory Sample ID	7932.39-55	7932.39-56	7932.39-57	7932.39-58	7932.39-59	7932.39-60	7932.39-61	7932.39-62	7932.39-63	7932.39-64	7932.39-65	7932.39-66
Percent Subsampled	0.0820%	0.0781%	0.0733%	0.0716%	0.0423%	0.0331%	0.0164%	0.0320%	0.0019%	0.0099%	0.0307%	0.0215%
Bacillariophyta												
Bacillariophyceae												
Achnanthidium sp.	-	-	-	6	-	-	-	-	-	41	39	37
Nitzschia sp.	-	-	-	6	-	-	24	-	-	-	-	-
Fragilaria spp.	-	-	-	-	-	-	24	-	-	-	-	19
Navicula spp.	-	-	-	-	-	-	-	-	-	165	39	-
Asterionella sp.	15	-	-	-	-	-	-	-	-	-	-	-
Tabellaria sp.	-	-	-	-	-	-	-	-	-	-	65	-
Tabellaria spp.	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Centrales sp.	85	16	44	11	19	85	293	26	-	123	208	-
Unknown Centrales spp.	10	-	-	-	-	-	-	-	-	-	-	149
Chlorophyta												
Chlorophyceae												
Hyalocardium printzii	-	-	-	-	19	36	-	13	-	-	39	-
Stigeoclonium sp.	-	-	-	-	-	-	-	-	-	-	-	-
Tetraëdron minimum	10	21	5	-	9	-	-	-	-	-	-	-
Coelastrum sp.	-	-	-	-	-	-	-	-	-	-	-	-
Scenedesmus spp.	-	-	-	-	-	-	73	26	-	-	26	-
Planktosphaeria gelatinosa	-	10	-	-	-	-	-	-	-	-	39	-
Monoraphidium minutum	-	5	-	-	9	-	1,050	560	1,066	-	52	-
Monoraphidium sp.	35	21	11	61	66	121	195	65	-	-	39	19
Monoraphidium spp.	-	-	-	-	-	-	-	-	-	-	-	-
Quadrigula closterioides	-	-	-	22	-	-	-	-	-	-	-	-
Unknown Chlorophyte (coccoid) sp.	-	-	125	223	-	230	-	-	-	-	-	-
Unknown Chlorophyte (coccoid) spp.	-	340	-	-	-	-	1,344	365	-	-	-	56
Unknown Chlorophyte (ellipsoid) sp.	-	-	-	-	-	-	-	-	-	-	-	-
Klebsormidiophyceae (*Elakatothrix* sp.)	10	-	-	45	-	24	366	156	1,066	-	52	74
Trebouxiophyceae												
Dictyosphaerium sp.	-	-	-	-	-	85	98	52	-	165	235	447
Oocystis sp.	-	-	-	-	19	36	49	-	-	82	52	112
Stichococcus sp.	50	16	-	128	265	242	220	235	213	123	261	316
Crucigenia tetrapedia	20	-	-	-	-	-	-	26	-	-	-	-

Lake	Lower Exeter			Connor			Alexia			Thinner		
Sampling Date	27-Jul-2024			6-Aug-2024			6-Aug-2024			6-Aug-2024		
Replicate	1	2	3	1	2	3	1	2	3	1	2	3
Laboratory Sample ID	7932.39-55	7932.39-56	7932.39-57	7932.39-58	7932.39-59	7932.39-60	7932.39-61	7932.39-62	7932.39-63	7932.39-64	7932.39-65	7932.39-66
Percent Subsampled	0.0820%	0.0781%	0.0733%	0.0716%	0.0423%	0.0331%	0.0164%	0.0320%	0.0019%	0.0099%	0.0307%	0.0215%
Zygnematophyceae												
Cosmarium sp.	-	-	-	-	-	-	-	-	-	41	52	-
Cosmarium spp.	-	-	-	-	-	-	-	-	-	-	-	-
Spondylosium sp.	5	-	-	6	-	-	-	-	-	123	-	-
Staurastrum spp.	-	-	-	-	-	-	49	-	-	-	-	-
Teilingia sp.	-	-	-	-	-	-	-	-	-	41	-	56
Roya sp.	10	10	-	-	-	-	-	-	-	-	26	-
Chrysophyta												
Unknown Chrysophyte (cyst) sp.	-	-	-	-	-	-	-	-	-	-	-	-
Chrysophyceae												
Chrysamoeba sp.	-	-	-	-	-	36	24	-	-	82	26	19
Chrysococcus sp.	25	16	-	-	-	109	318	104	213	370	221	223
Dinobryon sp.	60	68	11	39	66	12	-	-	-	370	287	447
Epipyxis sp.	-	-	-	6	-	-	-	-	-	-	-	-
Pseudokephyrion sp.	5	5	-	6	19	24	73	26	-	41	-	112
Ochromonas spp.	-	21	-	22	132	85	-	13	-	288	52	112
Bitrichia chodatii	20	-	-	-	-	-	24	13	-	41	13	37
Eustigmatophyceae (*Tetraëdriella jovetti*)	5	-	-	-	9	12	-	13	-	-	-	-
Phaeothamniophyceae (*Stichogloea* sp.)	-	-	27	1,134	1,125	1,934	-	104	-	-	-	56
Synurophyceae (*Mallomonas* sp.)	-	-	-	6	-	-	73	39	-	-	143	37
Cryptophyta												
Cryptophyceae (*Cryptomonas* sp.)	-	-	-	-	9	12	24	39	-	-	13	56
Katablepharidophyceae (*Leucocryptos* sp.)	-	-	-	-	-	-	-	-	-	-	-	-
Cyanobacteria Cyanophyceae												
Dolichospermum sp.	-	-	-	34	-	-	98	-	-	-	-	-
Chroococcus sp.	-	-	-	11	113	-	-	-	-	-	-	186
Cyanodictyon sp.	-	-	-	-	-	-	-	-	-	-	-	-
Rhabdoderma sp.	20	-	-	-	-	24	-	-	-	-	-	-
Leptolyngbya sp.	-	-	-	-	-	-	-	-	-	-	-	-
Leptolyngbya spp.	-	-	-	854	1,371	2,527	2,321	-	-	-	-	-
Aphanocapsa sp.	1,130	-	-	151	123	-	855	1,186	-	494	391	1,601
Aphanothece sp.	184	-	-	13,954	14,478	22,497	2,907	2,658	5,543	1,852	417	856
Coelomoron sp.	-	-	-	-	-	-	-	-	-	-	-	-
Coelosphaerium spp.	-	-	-	223	293	387	-	-	-	-	664	968

Lake	Lower Exeter			Connor			Alexia			Thinner		
Sampling Date	27-Jul-2024			6-Aug-2024			6-Aug-2024			6-Aug-2024		
Replicate	1	2	3	1	2	3	1	2	3	1	2	3
Laboratory Sample ID	7932.39-55	7932.39-56	7932.39-57	7932.39-58	7932.39-59	7932.39-60	7932.39-61	7932.39-62	7932.39-63	7932.39-64	7932.39-65	7932.39-66
Percent Subsampled	0.0820%	0.0781%	0.0733%	0.0716%	0.0423%	0.0331%	0.0164%	0.0320%	0.0019%	0.0099%	0.0307%	0.0215%
Merismopedia sp.	-	-	-	184	151	193	10,749	3,844	5,117	658	951	1,675
Phormidium sp.	-	-	-	-	-	-	-	221	-	-	-	-
Unknown Cyanophyte (coccoid) spp.	50	42	11	78	255	290	537	26	60,550	8,723	560	409
Unknown Cyanophyte sp. 2 ?	55	-	-	201	539	447	855	456	213	411	573	484
Euglenophyta												
Euglenophyceae (*Trachelomonas* sp.)	-	-	-	-	-	-	-	39	-	-	-	-
Haptophyta												
Coccolithophyceae (*Chrysochromulina* sp.)	5	-	-	6	38	-	-	-	-	-	26	37
Miozoa Dinophyceae												
Protoperidinium sp.	-	-	-	-	-	-	49	-	-	-	-	37
Unknown Dinoflagellate sp.	15	26	11	-	19	48	-	-	213	41	-	19
Unidentified												
Unknown alga (cyst) sp.	10	5	-	34	19	12	-	13	-	-	26	-
Unknown alga (flagellate) sp.	339	-	-	11	161	73	171	104	426	1,317	912	2,308
Total Density	2,171	622	245	17,461	19,329	29,581	22,866	10,423	74,621	15,594	6,502	10,963

Notes:
Density units = cells/mL.
Dash (-) = no organisms were identified in the indicated taxonomic group; sp. = a qualifier for when a specimen was not able to be identified down to the species level
Discrepancies between total densities with Table 3.4-2 are due to rounding.

3.4.3 Phytoplankton QA/QC

Triplicate chlorophyll *a* and taxonomy samples were collected from each sampling site.

Phytoplankton taxonomy QA/QC was completed on approximately 10% of the phytoplankton samples collected (7 of 66 samples; Table 3.4-5). QA/QC samples were analysed by two different taxonomists to verify taxonomic accuracy and reproducibility of the processing and analysis. The differences in taxa richness were assessed using Jaccard's similarity index (S_j) and differences in density were tested by calculating the relative percent difference (RPD). For Jaccard's similarity index, a value of 1.0 would indicate that taxonomic identification of samples was identical.

Differences in taxonomy between the original counts and the QA/QC counts were due to subsampling variance. Separate but equal volume aliquots were used for the original count and QC count. Generally high diversity within the distinct sample aliquots explains the low Jaccard index. Taxonomic accuracy and reproducibility of the processing and analysis methods were verified by taxonomists through discussions and re-examination of digital images or specimens. If discrepancies still existed in the identification, samples were re-analysed. In 2024, it was concluded that no changes to original taxonomy were required.

Table 3.4-5 Phytoplankton Taxonomy QA/QC Results for AEMP Lake Samples, 2024

Nanuq Lake, Rep 3, Laboratory Sample ID: 7932.39-03		
Taxon Name	**Original Abundance (#)**	**QC Abundance (#)**
Achnanthidium sp. Kützing	2	0
Ankistrodesmus sp. Corda	0	18
Aphanocapsa spp. Nägeli	0	8
Aphanothece sp. Nägeli	5	11
Bitrichia chodatii (Reverdin) Chodat	3	0
Centrales sp.	28	27
Chlorella spp. Beyerinck	0	19
Chrysochromulina sp. Lackey	107	44
Coelomoron sp. Buell	1	5
Cosmarium sp. Corda ex Ralfs	7	0
Cryptomonas sp. Ehrenberg	1	1
Cyanodictyon sp. Pascher	0	1
Dictyosphaerium sp. Nägeli	1	3
Dinobryon sp. Ehrenberg	11	0
Elakatothrix sp. Wille	5	10
Fragilaria sp. Lyngbye	0	2
Hyalocardium printzii (Schiller) Ettl	5	0

Nanuq Lake, Rep 3, Laboratory Sample ID: 7932.39-03		
Taxon Name	**Original Abundance (#)**	**QC Abundance (#)**
Leptolyngbya sp. Anagnostidis & Komárek	8	0
Merismopedia sp. Meyen	0	3
Monoraphidium contortum (Thuret) Komárková-Legnerová	0	1
Monoraphidium sp. Komárková-Legnerová	8	0
Monoraphidium spp	3	0
Nitzschia sp. Hassall	11	2
Ochromonas spp. Vysotskii	8	8
Oocystis sp. Nägeli ex Braun	2	2
Planktolyngbya sp. Anagnostidis & Komárek	0	7
Planktosphaeria gelatinosa Smith	4	0
Protoperidinium sp. Bergh	2	0
Pseudokephyrion sp. Pascher	8	2
Roya sp. West & West	8	10
Spondylosium sp. Brébisson ex Kützing	0	2
Staurastrum spp. Meyen ex Ralfs	4	0
Staurodesmus sp. Teiling	0	3
Tabellaria spp. Ehrenberg ex Kützing	0	2
Tetraëdriella jovetti (Bourrelly) Bourrelly	5	6
Unknown alga (flagellate) sp.	11	0
Unknown Chlorophyte (coccoid) spp.	0	24
Unknown Chlorophyte (colony) sp.	0	2
Unknown Chrysophyte (cyst) sp.	39	37
Unknown Chrysophyte sp.	0	13
Unknown Cyanophyte (coccoid) spp.	1	18
Unknown Dinoflagellate sp.	5	10
Total Count	**303**	**301**
RPD (%)	**0.66**	
Jaccard Index	**0.38**	

Kodiak Lake, Rep 2, Laboratory Sample ID: 7932.39-14		
Taxon Name	**Original Abundance (#)**	**QC Abundance (#)**
Achnanthidium sp. Kützing	3	0
Ankistrodesmus sp. Corda	0	3
Aphanizomenon spp. Morren ex Bornet & Flahault	0	2
Aphanocapsa sp. Nägeli	15	21
Aphanothece sp. Nägeli	10	16
Centrales sp.	3	4
Chroococcus sp. Nägeli	3	1
Chrysamoeba sp. Klebs	1	0
Chrysococcus sp. Klebs	3	0
Coelomoron sp. Buell	5	15
Cosmarium sp. Corda ex Ralfs	1	0
Crucigenia tetrapedia (Kirchner) West & West	2	1
Cryptomonas sp. Ehrenberg	5	8
Dictyosphaerium sp. Nägeli	3	0
Dinobryon sp. Ehrenberg	5	1
Dolichospermum sp. (Ralfs ex Bornet & Flahault) Wacklin, Hoffmann & Komárek	3	0
Elakatothrix sp. Wille	2	2
Encyonema sp. Kützing	0	1
Epipyxis sp. Ehrenberg	2	0
Fragilaria spp. Lyngbye	2	0
Hyalocardium printzii (Schiller) Ettl	6	0
Mallomonas sp. Perty	6	0
Merismopedia sp. Meyen	2	1
Monoraphidium contortum (Thuret) Komárková-Legnerová	0	1
Monoraphidium minutum (Nägeli) Komárková-Legnerová	0	10
Monoraphidium sp. Komárková-Legnerová	19	7
Navicula spp. Bory	1	0
Nitzschia sp. Hassall	1	2
Ochromonas spp. Vysotskii	13	0
Oocystis spp. Nägeli ex Braun	0	1
Phormidium sp. Kützing ex Gomont	1	0

Kodiak Lake, Rep 2, Laboratory Sample ID: 7932.39-14		
Taxon Name	**Original Abundance (#)**	**QC Abundance (#)**
Plagioselmis sp. Butcher ex Novarino, Lucas & Morrall	0	16
Planktolyngbya sp. Anagnostidis & Komárek	0	2
Planktosphaeria gelatinosa Smith	5	0
Pseudanabaena sp. Lauterborn	0	2
Pseudokephyrion sp. Pascher	3	4
Quadrigula closterioides (Bohlin) Printz	1	0
Quadrigula sp. Printz	0	1
Roya sp. West & West	1	0
Scenedesmus spp. Meyen	1	0
Spondylosium sp. Brébisson ex Kützing	4	2
Staurastrum spp. Meyen ex Ralfs	1	0
Stichococcus sp. Nägeli	14	19
Stichogloea sp. Chodat	2	0
Stigeoclonium sp. Kützing	1	0
Synura sp. Ehrenberg	0	2
Tetrachlorella sp. Korshikov	0	5
Tetraëdriella jovetti (Bourrelly) Bourrelly	1	1
Unknown alga (flagellate) sp.	112	64
Unknown Chlorophyte (coccoid) spp.	26	36
Unknown Chlorophyte (ellipsoid) sp.	0	15
Unknown Chrysophyte (cyst) sp.	0	2
Unknown Chrysophyte sp.	0	9
Unknown Cyanophyte (coccoid) spp.	7	10
Unknown Cyanophyte (filament) spp.	0	1
Unknown Dinoflagellate sp.	9	12
Total Count	**305**	**300**
RPD (%)	**1.65**	
Jaccard Index	**0.36**	

Site S2, Rep 1, Laboratory Sample ID: 7932.39-28		
Taxon Name	Original Abundance (#)	QC Abundance (#)
Aphanocapsa sp. Nägeli	3	9
Aphanothece spp. Nägeli	0	1
Centrales spp.	0	20
Centritractus sp. Lemmermann	0	1
Chrysamoeba sp. Klebs	1	0
Coelomoron sp. Buell	1	0
Cosmarium sp. Corda ex Ralfs	1	0
Crucigenia tetrapedia (Kirchner) West & West	3	1
Dictyosphaerium sp. Nägeli	2	0
Dinobryon sp. Ehrenberg	9	7
Dolichospermum sp. (Ralfs ex Bornet & Flahault) Wacklin, Hoffmann & Komárek	1	0
Elakatothrix sp. Wille	0	5
Fragilaria sp. Lyngbye	0	2
Mallomonas sp. Perty	2	0
Monoraphidium contortum (Thuret) Komárková-Legnerová	0	4
Monoraphidium minutum (Nägeli) Komárková-Legnerová	0	3
Monoraphidium sp. Komárková-Legnerová	28	33
Nephrocytium sp. Nägeli	0	2
Nitzschia sp. Hassall	0	2
Ochromonas spp. Vysotskii	27	13
Oocystis sp. Nägeli ex Braun	4	2
Planktosphaeria gelatinosa Smith	2	0
Roya sp. West & West	1	6
Spondylosium sp. Brébisson ex Kützing	2	6
Stichococcus sp. Nägeli	0	4
Stigeoclonium sp. Kützing	1	0
Synechococcus sp. Nägeli	0	2
Tetrachlorella sp. Korshikov	0	2
Tetraëdriella jovetti (Bourrelly) Bourrelly	1	7
Tetraëdron minimum (Braun) Hansgirg	3	0
Unknown alga (cyst) sp.	1	0

Site S2, Rep 1, Laboratory Sample ID: 7932.39-28		
Taxon Name	Original Abundance (#)	QC Abundance (#)
Unknown alga (flagellate) sp.	17	0
Unknown Chlorophyte (coccoid) spp.	2	53
Unknown Chlorophyte (ellipsoid) sp.	0	9
Unknown Chrysophyte (cyst) sp.	0	6
Unknown Chrysophyte sp.	0	16
Unknown Cyanophyte (coccoid) spp.	30	79
Total Count	**145**	**303**
RPD (%)	**70.54**	
Jaccard Index	**0.32**	

Cujo Lake, Rep 2, Laboratory Sample ID: 7932.39-35		
Taxon Name	**Original Abundance (#)**	**QC Abundance (#)**
Cryptomonas marssonii Skuja	0	1
Cryptomonas sp. Ehrenberg	0	1
Monoraphidium minutum (Nägeli) Komárková-Legnerová	5	2
Monoraphidium sp. Komárková-Legnerová	0	1
Scenedesmus spp. Meyen	1	0
Stichococcus sp. Nägeli	0	6
Unknown alga (flagellate) sp.	33	0
Unknown Chlorophyte (coccoid) sp.	0	5
Unknown Cyanophyte (coccoid) spp.	257	323
Unknown Cyanophyte sp. 2 ?	4	0
Total Count	**300**	**339**
RPD (%)	**12.21**	
Jaccard Index	**0.20**	

Ross Lake, Rep 1, Laboratory Sample ID: 7932.39-49		
Taxon Name	**Original Abundance (#)**	**QC Abundance (#)**
Ankistrodesmus nannoselene Skuja	0	1
Aphanocapsa sp. Nägeli	5	11
Aphanothece sp. Nägeli	20	8
Asterionella formosa Hassall	0	1

Ross Lake, Rep 1, Laboratory Sample ID: 7932.39-49		
Taxon Name	**Original Abundance (#)**	**QC Abundance (#)**
Asterionella sp. Hassall	1	0
Centrales sp.	1	0
Chroococcus sp. Nägeli	2	0
Chrysochromulina sp. Lackey	4	0
Chrysococcus sp. Klebs	7	0
Coelomoron sp. Buell	1	1
Crucigenia tetrapedia (Kirchner) West & West	3	2
Dinobryon sp. Ehrenberg	5	9
Dolichospermum sp. (Ralfs ex Bornet & Flahault) Wacklin, Hoffmann & Komárek	1	0
Elakatothrix sp. Wille	0	16
Leucocryptos sp. Butcher	1	0
Mallomonas sp. Perty	1	0
Merismopedia sp. Meyen	1	4
Monoraphidium minutum (Nägeli) Komárková-Legnerová	1	0
Monoraphidium sp. Komárková-Legnerová	4	2
Ochromonas spp. Vysotskii	4	0
Oocystis spp. Nägeli ex Braun	0	1
Stichococcus sp. Nägeli	0	4
Stichogloea sp. Chodat	6	0
Tetraëdriella jovetti (Bourrelly) Bourrelly	0	1
Unknown alga (flagellate) sp.	115	69
Unknown Chlorophyte (coccoid) spp.	86	58
Unknown Chlorophyte (ellipsoid) sp.	27	67
Unknown Chlorophyte sp.	0	12
Unknown Chrysophyte (colonial; nonmotile) sp.	0	5
Unknown Chrysophyte (cyst) sp.	0	1
Unknown Chrysophyte sp.	0	12
Unknown Cryptophyte sp.	0	1
Unknown Cyanophyte (coccoid) spp.	2	14
Unknown Dinoflagellate sp.	2	0

Ross Lake, Rep 1, Laboratory Sample ID: 7932.39-49		
Taxon Name	**Original Abundance (#)**	**QC Abundance (#)**
Total Count	**300**	**300**
RPD (%)	**0.00**	
Jaccard Index	**0.32**	

Lower Exeter Lake, Rep 2, Laboratory Sample ID: 7932.39-56		
Taxon Name	**Original Abundance (#)**	**QC Abundance (#)**
Ankistrodesmus sp. Corda	0	3
Aphanocapsa spp. Nägeli	0	5
Centrales sp.	3	0
Centritractus sp. Lemmermann	0	1
Chrysochromulina sp. Lackey	0	1
Chrysococcus sp. Klebs	3	0
Cosmarium spp. Corda ex Ralfs	0	2
Dictyosphaerium sp. Nägeli	0	1
Dinobryon sp. Ehrenberg	13	20
Monoraphidium minutum (Nägeli) Komárková-Legnerová	1	0
Monoraphidium sp. Komárková-Legnerová	4	13
Monoraphidium tortile (West & West) Komárková-Legnerová	0	3
Ochromonas spp. Vysotskii	4	5
Oocystis spp. Nägeli ex Braun	0	8
Ophiocytium sp. Nägeli	0	1
Peridinium spp. Ehrenberg	0	10
Planktosphaeria gelatinosa Smith	2	1
Pseudokephyrion sp. Pascher	1	0
Roya sp. West & West	2	7
Spondylosium sp. Brébisson ex Kützing	0	3
Staurodesmus sp. Teiling	0	1
Stichococcus sp. Nägeli	3	20
Stylochrysalis Stein	0	2
Tabellaria spp. Ehrenberg ex Kützing	0	12
Tetraëdriella jovetti (Bourrelly) Bourrelly	0	5
Tetraëdron minimum (Braun) Hansgirg	4	0

Lower Exeter Lake, Rep 2, Laboratory Sample ID: 7932.39-56		
Taxon Name	**Original Abundance (#)**	**QC Abundance (#)**
Unknown alga (cyst) sp.	1	0
Unknown alga sp.	0	16
Unknown Chlorophyte (coccoid) spp.	65	70
Unknown Chlorophyte (ellipsoid) sp.	0	4
Unknown Chrysophyte (colonial; nonmotile) sp	0	4
Unknown Chrysophyte (cyst) sp.	0	24
Unknown Chrysophyte sp.	0	7
Unknown Cyanophyte (coccoid) spp.	8	38
Unknown Cyanophyte (filament) sp.	0	8
Unknown Dinoflagellate sp.	5	5
Total Count	**119**	**300**
RPD (%)	**86.40**	
Jaccard Index	**0.25**	

Alexia Lake, Rep 2, Laboratory Sample ID: 7932.39-62		
Taxon Name	**Original Abundance (#)**	**QC Abundance (#)**
Ankistrodesmus nannoselene Skuja	0	4
Aphanocapsa sp. Nägeli	4	10
Aphanothece sp. Nägeli	7	0
Bitrichia chodatii (Reverdin) Chodat	1	0
Centrales sp.	2	0
Chrysococcus sp. Klebs	8	0
Coccomyxa sp. Schmidle	0	1
Coelomoron sp. Buell	0	3
Crucigenia tetrapedia (Kirchner) West & West	1	0
Cryptomonas sp. Ehrenberg	3	4
Dictyosphaerium sp. Nägeli	1	0
Dolichospermum sp.	0	1
Elakatothrix sp. Wille	5	9
Hyalocardium printzii (Schiller) Ettl	1	0
Mallomonas sp. Perty	3	0

Alexia Lake, Rep 2, Laboratory Sample ID: 7932.39-62		
Taxon Name	**Original Abundance (#)**	**QC Abundance (#)**
Merismopedia sp. Meyen	50	80
Monoraphidium contortum (Thuret) Komárková-Legnerová	0	1
Monoraphidium minutum (Nägeli) Komárková-Legnerová	43	57
Monoraphidium sp. Komárková-Legnerová	5	3
Ochromonas spp. Vysotskii	1	0
Phormidium sp. Kützing ex Gomont	2	0
Pseudokephyrion sp. Pascher	2	0
Scenedesmus spp. Meyen	1	0
Stichococcus sp. Nägeli	18	0
Stichogloea sp. Chodat	5	0
Tetraëdriella jovetti (Bourrelly) Bourrelly	1	0
Trachelomonas sp. Ehrenberg	3	0
Unknown alga (cyst) sp.	1	0
Unknown alga (flagellate) sp.	8	4
Unknown Chlorophyte (coccoid) spp.	28	40
Unknown Chlorophyte (ellipsoid) sp.	0	17
Unknown Chlorophyte sp.	0	13
Unknown Cryptophyte sp.	0	2
Unknown Cyanophyte (coccoid) spp.	2	29
Unknown Cyanophyte (filament) sp.	0	3
Unknown Cyanophyte sp. 2 ?	35	0
Unknown Dinoflagellate sp.	0	19
Total Count	**241**	**300**
RPD (%)	**21.81**	
Jaccard Index	**0.24**	

Notes:

QC = quality control; RPD = relative percent difference; sp. or spp. = a qualifier for when a specimen was not able to be identified down to the species level

Jaccard Index is unitless.

3.5 Zooplankton

Zooplankton samples were collected in late July to mid-August for 18 AEMP lake sites. Taxonomic analyses were completed by EcoAnalysts. Total zooplankton biomass (Table 3.5-1), as well as total zooplankton, adult crustacean, and rotifer density (Table 3.5-2) are presented for each of the monitored and reference lakes. Zooplankton diversity (Shannon and Simpson's diversity indices) was calculated at the genus level for each site (Table 3.5-3). Results of the taxonomic analysis for each replicate sample are presented in Table 3.5-4.

3.5.1 Zooplankton Biomass

Table 3.5-1 Total Zooplankton Biomass for AEMP Lakes, 2024

Lake	Sampling Date	Replicate	Total Biomass (mg/m^3)
Nanuq	July 31, 2024	1	118.0
		2	117.9
		3	121.5
		Mean	**119.1**
		SE	**1.2**
Counts	July 30, 2024	1	216.1
		2	223.9
		3	210.3
		Mean	**216.8**
		SE	**4.0**
Vulture	July 30, 2024	1	53.9
		2	50.9
		3	47.6
		Mean	**50.8**
		SE	**1.8**
Northeast	July 27, 2024	1	97.9
		2	113.6
		3	112.1
		Mean	**107.9**
		SE	**5.0**
Kodiak	August 4, 2024	1	129.1
		2	127.2
		3	98.8
		Mean	**118.4**
		SE	**9.8**

Lake	Sampling Date	Replicate	Total Biomass (mg/m^3)
Leslie	August 4, 2024	1	197.7
		2	176.9
		3	205.5
		Mean	**193.4**
		SE	**8.5**
Moose	August 3, 2024	1	137.0
		2	157.5
		3	162.6
		Mean	**152.4**
		SE	**7.8**
Nema	August 2, 2024	1	157.1
		2	142.4
		3	204.1
		Mean	**167.9**
		SE	**18.6**
Slipper	August 2, 2024	1	150.7
		2	161.0
		3	158.3
		Mean	**156.6**
		SE	**3.1**
S2	July 31, 2024	1	70.4
		2	69.5
		3	77.9
		Mean	**72.6**
		SE	**2.7**
S3	July 31, 2024	1	51.0
		2	52.1
		3	54.4
		Mean	**52.5**
		SE	**1.0**
Cujo	August 3, 2024	1	728.4
		2	470.1
		3	513.0
		Mean	**570.5**
		SE	**79.9**

Lake	Sampling Date	Replicate	Total Biomass (mg/m^3)
LdS1	August 5, 2024	1	128.4
		2	122.3
		3	102.2
		Mean	**117.6**
		SE	**7.9**
Horseshoe	July 29, 2024	1	395.2
		2	365.5
		3	404.3
		Mean	**388.4**
		SE	**11.7**
HWL2	July 28, 2024	1	156.0
		2	185.5
		3	156.2
		Mean	**165.9**
		SE	**9.8**
Ross	July 28, 2024	1	149.7
		2	143.2
		3	191.0
		Mean	**161.3**
		SE	**15.0**
Logan	July 26, 2024	1	161.4
		2	130.8
		3	106.1
		Mean	**132.8**
		SE	**16.0**
Lower Exeter	July 27, 2024	1	27.4
		2	29.2
		3	18.8
		Mean	**25.1**
		SE	**3.2**

Notes:

SE = standard error of the mean

Total biomass (mg/m^3) is expressed as dry weight.

Shaded values represent densities outside the benchmark range. See Section 2.2.5.2 of Part 1—Annual Report for benchmark values.

3.5.2 Zooplankton Taxonomy

Table 3.5-2 Total Zooplankton, Rotifer, and Adult Crustacean Densities for AEMP Lakes, 2024

Lake	Sampling Date	Replicate	Total Density (organisms/m^3)	Rotifer Density (organisms/m^3)	Adult Crustacean Density (organisms/m^3)
Nanuq	July 31, 2024	1	35,308	6,836	19,310
		2	39,627	8,477	21,043
		3	39,072	8,154	23,214
		Mean	**38,002**	**7,823**	**21,189**
		SE	**1,357**	**502**	**1,129**
Counts	July 30, 2024	1	63,634	27,420	4,755
		2	97,558	29,356	10,274
		3	103,472	21,699	10,050
		Mean	**88,221**	**26,158**	**8,360**
		SE	**12,412**	**2,298**	**1,804**
Vulture	July 30, 2024	1	14,874	9,629	2,569
		2	15,770	11,251	2,161
		3	14,173	10,176	2,082
		Mean	**14,939**	**10,352**	**2,271**
		SE	**462**	**477**	**151**
Northeast	July 27, 2024	1	57,414	17,117	1,029
		2	47,248	16,592	621
		3	46,801	13,916	277
		Mean	**50,488**	**15,875**	**643**
		SE	**3,466**	**991**	**217**
Kodiak	August 4, 2024	1	119,748	9,617	5,445
		2	153,026	17,738	5,791
		3	123,795	18,150	5,445
		Mean	**132,190**	**15,168**	**5,560**
		SE	**10,484**	**2,778**	**116**

Lake	Sampling Date	Replicate	Total Density (organisms/m^3)	Rotifer Density (organisms/m^3)	Adult Crustacean Density (organisms/m^3)
Leslie	August 4, 2024	1	45,783	112	2,700
		2	43,308	89	5,100
		3	59,911	289	4,920
		Mean	**49,667**	**164**	**4,240**
		SE	**5,171**	**63**	**772**
Moose	August 3, 2024	1	45,613	4,365	3,034
		2	50,014	7,779	3,365
		3	60,839	15,905	2,781
		Mean	**52,155**	**9,350**	**3,060**
		SE	**4,524**	**3,423**	**169**
Nema	August 2, 2024	1	78,082	20,153	2,617
		2	77,800	20,602	2,259
		3	85,727	28,860	2,948
		Mean	**80,536**	**23,205**	**2,608**
		SE	**2,597**	**2,831**	**199**
Slipper	August 2, 2024	1	80,778	15,623	2,661
		2	73,239	23,507	1,729
		3	97,315	21,831	2,661
		Mean	**83,777**	**20,320**	**2,350**
		SE	**7,110**	**2,398**	**311**
S2	July 31, 2024	1	115,194	97,885	1,085
		2	78,266	63,279	1,783
		3	81,932	67,729	1,272
		Mean	**91,797**	**76,298**	**1,380**
		SE	**11,746**	**10,870**	**209**
S3	July 31, 2024	1	29,426	13,742	905
		2	28,408	13,211	1,384
		3	28,017	14,311	1,183
		Mean	**28,617**	**13,754**	**1,157**
		SE	**420**	**318**	**139**

Lake	Sampling Date	Replicate	Total Density (organisms/m^3)	Rotifer Density (organisms/m^3)	Adult Crustacean Density (organisms/m^3)
Cujo	August 3, 2024	1	62,036	187	18,499
		2	49,354	302	17,357
		3	45,922	0	11,847
		Mean	**52,437**	**244**	**15,901**
		SE	**4,900**	**58**	**2,054**
LdS1	August 5, 2024	1	175,783	142,521	29,761
		2	163,498	126,242	34,648
		3	172,147	143,785	25,796
		Mean	**170,476**	**137,516**	**30,068**
		SE	**3,644**	**5,649**	**2,560**
Horseshoe	July 29, 2024	1	185,992	112,764	18,689
		2	147,829	83,623	18,142
		3	424,268	320,184	28,747
		Mean	**252,696**	**172,190**	**21,859**
		SE	**86,490**	**74,473**	**3,448**
HWL2	July 28, 2024	1	147,065	103,736	23,429
		2	157,202	110,992	31,002
		3	120,615	73,049	24,754
		Mean	**141,627**	**95,925**	**26,395**
		SE	**10,906**	**11,629**	**2,335**
Ross	July 28, 2024	1	101,960	63,495	24,037
		2	144,117	78,133	45,498
		3	136,290	86,863	33,488
		Mean	**127,456**	**76,163**	**34,341**
		SE	**12,947**	**6,817**	**6,210**
Logan	July 26, 2024	1	151,170	124,341	23,684
		2	139,265	110,685	25,982
		3	148,668	122,937	23,766
		Mean	**146,368**	**119,321**	**24,477**
		SE	**3,624**	**4,337**	**753**

Lake	Sampling Date	Replicate	Total Density (organisms/m³)	Rotifer Density (organisms/m³)	Adult Crustacean Density (organisms/m³)
Lower Exeter	July 27, 2024	1	67,319	59,605	7,715
		2	78,840	70,192	8,592
		3	77,216	70,192	6,824
		Mean	**74,459**	**66,663**	**7,710**
		SE	**3,600**	**3,529**	**510**

Notes:

SE = standard error of the mean

Shaded values represent densities outside the benchmark range. See Section 2.2.5.2 of Part 1—Annual Report for benchmark values.

Table 3.5-3 Zooplankton Diversity Indices for AEMP Lakes, 2024

Lake	Sampling Date	Replicate	Shannon Diversity Index	Simpson's Diversity Index
Nanuq	July 31, 2024	1	0.92	0.46
		2	0.92	0.48
		3	0.87	0.44
		Mean	**0.90**	**0.46**
		SE	**0.02**	**0.01**
Counts	July 30, 2024	1	1.47	0.73
		2	1.51	0.76
		3	1.53	0.76
		Mean	**1.50**	**0.75**
		SE	**0.02**	**0.01**
Vulture	July 30, 2024	1	1.26	0.66
		2	1.10	0.58
		3	1.23	0.64
		Mean	**1.19**	**0.63**
		SE	**0.05**	**0.03**
Northeast	July 27, 2024	1	1.07	0.57
		2	0.89	0.50
		3	0.89	0.54
		Mean	**0.95**	**0.54**
		SE	**0.06**	**0.02**

Lake	Sampling Date	Replicate	Shannon Diversity Index	Simpson's Diversity Index
Kodiak	August 4, 2024	1	1.45	0.74
		2	1.28	0.66
		3	1.28	0.68
		Mean	**1.34**	**0.69**
		SE	**0.06**	**0.02**
Leslie	August 4, 2024	1	0.97	0.48
		2	0.79	0.40
		3	1.15	0.58
		Mean	**0.97**	**0.48**
		SE	**0.10**	**0.05**
Moose	August 3, 2024	1	1.18	0.61
		2	1.09	0.52
		3	0.95	0.46
		Mean	**1.08**	**0.53**
		SE	**0.07**	**0.04**
Nema	August 2, 2024	1	0.58	0.26
		2	0.49	0.22
		3	0.76	0.34
		Mean	**0.61**	**0.27**
		SE	**0.08**	**0.04**
Slipper	August 2, 2024	1	0.98	0.44
		2	0.85	0.46
		3	0.67	0.28
		Mean	**0.83**	**0.39**
		SE	**0.09**	**0.06**
S2	July 31, 2024	1	0.59	0.31
		2	0.76	0.38
		3	0.69	0.35
		Mean	**0.68**	**0.35**
		SE	**0.05**	**0.02**

Lake	Sampling Date	Replicate	Shannon Diversity Index	Simpson's Diversity Index
S3	July 31, 2024	1	1.03	0.55
		2	1.17	0.62
		3	1.20	0.62
		Mean	**1.14**	**0.59**
		SE	**0.05**	**0.02**
Cujo	August 3, 2024	1	0.06	0.02
		2	0.17	0.07
		3	0.00	0.00
		Mean	**0.08**	**0.03**
		SE	**0.05**	**0.02**
LdS1	August 5, 2024	1	1.39	0.66
		2	1.48	0.70
		3	1.31	0.64
		Mean	**1.39**	**0.67**
		SE	**0.05**	**0.02**
Horseshoe	July 29, 2024	1	1.06	0.55
		2	1.19	0.60
		3	0.90	0.44
		Mean	**1.05**	**0.53**
		SE	**0.08**	**0.05**
HWL2	July 28, 2024	1	1.40	0.62
		2	1.30	0.57
		3	1.52	0.69
		Mean	**1.41**	**0.63**
		SE	**0.07**	**0.04**
Ross	July 28, 2024	1	1.74	0.75
		2	1.77	0.78
		3	1.67	0.74
		Mean	**1.73**	**0.76**
		SE	**0.03**	**0.01**

Lake	Sampling Date	Replicate	Shannon Diversity Index	Simpson's Diversity Index
Logan	July 26, 2024	1	1.45	0.68
		2	1.58	0.72
		3	1.51	0.69
		Mean	**1.51**	**0.69**
		SE	**0.04**	**0.01**
Lower Exeter	July 27, 2024	1	1.08	0.61
		2	1.10	0.58
		3	1.09	0.56
		Mean	**1.09**	**0.58**
		SE	**0.005**	**0.01**

Note:
SE = standard error of the mean

Table 3.5-4 Zooplankton Taxonomy Results for AEMP Lakes, 2024

Lake	Nanuq			Counts			Vulture			Northeast			Kodiak			Leslie		
Replicate	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**
Laboratory Sample ID	**7932.40-1**	**7932.40-2**	**7932.40-3**	**7932.40-4**	**7932.40-5**	**7932.40-6**	**7932.40-7**	**7932.40-8**	**7932.40-9**	**7932.40-10**	**7932.40-11**	**7932.40-12**	**7932.40-13**	**7932.40-14**	**7932.40-15**	**7932.40-16**	**7932.40-17**	**7932.40-18**
Sampling Date	**31-Jul-2024**			**30-Jul-2024**			**30-Jul-2024**			**27-Jul-2024**			**04-Aug-2024**			**04-Aug-2024**		
Coarse-fraction Subsampled (%)	**0.010**	**0.007**	**0.006**	**0.028**	**0.020**	**0.019**	**0.035**	**0.031**	**0.030**	**0.034**	**0.031**	**0.040**	**0.046**	**0.046**	**0.038**	**0.027**	**0.017**	**0.016**
Fine-fraction Subsampled (%)	**0.030**	**0.021**	**0.017**	**0.028**	**0.010**	**0.019**	**0.017**	**0.015**	**0.015**	**0.022**	**0.021**	**0.020**	**0.006**	**0.012**	**0.010**	**0.027**	**0.017**	**0.016**
Arthropoda																		
Phyllopoda Diplostraca Cladocera																		
Bosmina longirostris	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eubosmina longispina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chydorus sphaericus	-	-	-	-	-	-	-	-	17	-	-	-	-	-	-	-	-	-
Daphnia longiremis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daphnia middendorffiana	-	-	-	130	-	-	77	36	34	45	-	-	35	33	41	1,969	3,937	3,184
Holopedium gibberum	352	299	208	65	98	114	523	429	588	-	-	-	-	-	-	-	-	-
Copepoda Calanoida																		
Diaptomidae	-	-	-	-	-	114	-	-	-	-	-	-	-	-	-	-	-	-
Leptodiaptomus ashlandi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	394	805	772
Leptodiaptomus minutus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leptodiaptomus pribilofensis	-	-	-	1,433	2,251	1,599	-	-	50	90	-	35	3,005	2,283	2,846	56	-	193
Epischura nevadensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heterocope septentrionalis	282	199	104	-	-	114	108	54	50	224	207	104	106	132	41	112	89	289
Calanoida - copepodites	6,977	7,879	5,517	13,352	18,200	22,156	1,646	1,875	1,595	9,263	8,244	6,473	2,475	3,177	2,516	23,285	20,670	21,514
Copepoda Cyclopoida																		
Cyclops sp.	18,676	20,545	22,902	3,126	7,926	8,109	1,861	1,643	1,343	671	414	138	2,298	3,342	2,516	169	268	482
Diacyclops thomasi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclopoida - copepodites	1,550	1,396	833	195	1,566	914	692	304	218	2,954	3,770	3,773	3,500	2,416	3,135	1,969	805	1,640
Copepoda - nauplii	634	831	1,353	17,911	38,162	48,652	338	179	101	27,051	18,021	22,362	98,711	123,904	94,548	17,717	16,643	31,547
Rotifera																		
Monogononta																		
Collotheca sp.	399	233	798	7,034	7,632	5,254	-	36	34	738	373	208	283	265	165	112	-	289
Conochilus unicornis	3,923	4,156	4,615	12,180	13,504	6,510	4,091	3,322	4,433	9,867	10,999	7,339	5,374	5,560	7,920	-	-	-
Testudinella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89	-
Asplanchna priodonta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brachionus quadridentatus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kellicottia longispina	2,514	4,089	2,741	8,076	8,220	9,936	5,445	7,858	5,642	6,444	5,158	6,300	3,960	11,914	10,065	-	-	-
Keratella cochlearis	-	-	-	-	-	-	92	36	-	67	62	69	-	-	-	-	-	-
Keratella quadrata	-	-	-	130	-	-	-	-	67	-	-	-	-	-	-	-	-	-
Ploesoma hudsoni	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polyarthra sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Synchaeta sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Density	**35,308**	**39,627**	**39,072**	**63,634**	**97,558**	**103,472**	**14,874**	**15,770**	**14,173**	**57,414**	**47,248**	**46,801**	**119,748**	**153,026**	**123,795**	**45,783**	**43,308**	**59,911**

Lake	Moose			Nema			Slipper			S2			S3			Cujo		
Replicate	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**
Laboratory Sample ID	**7932.40-19**	**7932.40-20**	**7932.40-21**	**7932.40-22**	**7932.40-23**	**7932.40-24**	**7932.40-25**	**7932.40-26**	**7932.40-27**	**7932.40-28**	**7932.40-29**	**7932.40-30**	**7932.40-31**	**7932.40-32**	**7932.40-33**	**7932.40-34**	**7932.40-35**	**7932.40-36**
Sampling Date	**03-Aug-2024**			**02-Aug-2024**			**02-Aug-2024**			**31-Jul-2024**			**31-Jul-2024**			**03-Aug-2024**		
Coarse-fraction Subsampled (%)	0.040	0.047	0.046	0.023	0.022	0.024	0.023	0.029	0.024	0.062	0.067	0.075	0.036	0.040	0.044	0.026	0.032	0.035
Fine-fraction Subsampled (%)	0.017	0.021	0.023	0.023	0.022	0.024	0.008	0.012	0.012	0.011	0.012	0.013	0.024	0.029	0.024	0.026	0.032	0.035
Arthropoda																		
Phyllopoda Diplostraca Cladocera																		
Bosmina longirostris	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eubosmina longispina	-	43	-	-	-	-	57	-	272	54	42	41	-	-	-	-	-	-
Chydorus sphaericus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daphnia longiremis	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daphnia middendorffiana	83	43	87	611	361	853	113	-	109	-	-	-	38	35	-	-	-	-
Holopedium gibberum	-	-	-	-	-	-	-	-	-	109	-	82	-	-	-	-	-	-
Copepoda Calanoida																		
Diaptomidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leptodiaptomus ashlandi	-	213	87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leptodiaptomus minutus	-	-	-	-	-	-	-	-	-	54	892	452	113	497	296	-	-	-
Leptodiaptomus pribilofensis	1,413	1,150	1,347	1,832	1,717	1,784	1,811	1,181	1,792	-	127	123	226	142	164	18,499	17,055	11,847
Epischura nevadensis	-	-	-	-	-	-	57	84	163	109	170	82	-	-	-	-	-	-
Heterocope septentrionalis	125	85	174	174	90	155	113	42	54	-	-	-	75	35	66	-	302	-
Calanoida - copepodites	8,064	8,818	8,735	25,736	28,011	21,568	10,812	8,138	10,372	8,247	6,835	6,937	1,244	1,206	756	37,184	26,865	27,021
Copepoda Cyclopoida																		
Cyclops sp.	1,372	1,661	1,086	-	90	155	509	422	272	760	552	493	452	674	657	-	-	-
Diacyclops thomasi	-	170	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclopoida - copepodites	665	809	1,347	174	271	543	5,661	5,186	6,408	6,782	4,500	5,254	10,368	9,330	7,983	2,616	1,358	1,864
Copepoda - nauplii	29,485	29,241	32,071	29,401	26,656	31,808	46,021	34,680	56,043	1,194	1,868	739	3,167	3,278	3,785	3,550	3,471	5,191
Rotifera																		
Monogononta																		
Collotheca sp.	-	-	-	-	-	233	509	105	434	1,791	2,802	1,724	622	695	1,064	-	-	-
Conochilus unicornis	194	281	2,347	698	452	3,026	1,698	5,798	652	80,576	49,970	54,430	8,879	7,152	8,042	-	-	-
Testudinella sp.	-	94	-	-	-	78	-	-	-	-	-	-	-	-	-	187	-	-
Asplanchna priodonta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brachionus quadridentatus	-	-	87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kellicottia longispina	4,171	7,404	13,471	19,455	20,150	25,524	13,416	17,604	20,745	15,518	10,508	11,329	4,241	5,364	5,026	-	302	-
Keratella cochlearis	-	-	-	-	-	-	-	-	-	-	-	246	-	-	177	-	-	-
Keratella quadrata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ploesoma hudsoni	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polyarthra sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Synchaeta sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Density	**45,613**	**50,014**	**60,839**	**78,082**	**77,800**	**85,727**	**80,778**	**73,239**	**97,315**	**115,194**	**78,266**	**81,932**	**29,426**	**28,408**	**28,017**	**62,036**	**49,354**	**45,922**

Lake	LdS1			Horseshoe			HWL2			Ross			Logan			Lower Exeter		
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Laboratory Sample ID	7932.40-37	7932.40-38	7932.40-39	7932.40-40	7932.40-41	7932.40-42	7932.40-43	7932.40-44	7932.40-45	7932.40-46	7932.40-47	7932.40-48	7932.40-49	7932.40-50	7932.40-51	7932.40-52	7932.40-53	7932.40-54
Sampling Date	05-Aug-2024			29-Jul-2024			28-Jul-2024			28-Jul-2024			26-Jul-2024			27-Jul-2024		
Coarse-fraction Subsampled (%)	0.039	0.029	0.033	0.067	0.071	0.045	0.010	0.010	0.010	0.018	0.010	0.014	0.015	0.012	0.015	0.065	0.055	0.068
Fine-fraction Subsampled (%)	0.010	0.009	0.009	0.024	0.036	0.011	0.004	0.003	0.006	0.010	0.010	0.007	0.005	0.004	0.004	0.008	0.008	0.008
Arthropoda																		
Phyllopoda Diplostraca Cladocera																		
Bosmina longirostris	-	-	-	-	-	-	282	731	728	7,823	16,913	13,892	10,177	11,328	10,632	-	28	22
Eubosmina longispina	4,428	3,237	1,667	-	-	-	2,682	2,486	3,203	2,268	476	1,316	3,053	4,885	2,412	362	476	244
Chydorus sphaericus	-	-	-	-	-	248	-	-	-	227	-	-	-	-	-	-	-	22
Daphnia longiremis	8,032	14,866	9,213	-	-	-	10,162	10,675	11,649	4,422	9,767	8,189	925	728	179	45	252	155
Daphnia middendorffiana	-	-	-	-	-	248	-	-	-	-	-	-	-	-	-	-	-	-
Holopedium gibberum	10,813	10,191	9,037	-	-	-	4,234	5,996	3,349	2,268	4,050	3,071	7,309	6,963	6,790	6,945	7,557	6,093
Copepoda Calanoida																		
Diaptomidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leptodiaptomus ashlandi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leptodiaptomus minutus	1,030	599	1,930	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leptodiaptomus pribilofensis	721	-	263	18,557	17,150	26,517	-	-	-	-	238	146	93	-	-	-	28	-
Epischura nevadensis	824	240	790	-	-	-	-	-	-	-	-	-	463	520	536	45	-	66
Heterocope septentrionalis	-	-	-	-	142	496	-	-	-	-	-	-	-	-	-	-	-	-
Calanoida - copepodites	618	839	1,316	15,925	18,142	32,464	6,633	5,118	6,553	2,835	6,670	2,194	1,295	831	715	-	28	-
Copepoda Cyclopoida																		
Cyclops sp.	515	1,319	526	132	850	1,239	6,069	11,114	5,824	7,030	14,054	6,873	1,388	1,143	1,876	271	224	222
Diacyclops thomasi	3,398	4,196	2,369	-	-	-	-	-	-	-	-	-	278	416	1,340	45	28	-
Cyclopoida - copepodites	824	599	263	4,343	6,095	8,178	13,267	10,090	16,017	10,204	10,958	11,699	1,573	1,143	893	-	28	-
Copepoda - nauplii	2,060	1,169	987	34,271	21,827	34,695	-	-	243	1,389	2,859	2,047	278	624	357	-	-	199
Rotifera																		
Monogononta																		
Collotheca sp.	3,707	3,117	2,632	19,163	12,473	30,730	3,528	1,316	3,883	2,579	3,811	3,217	2,220	3,118	1,787	588	1,437	2,592
Conochilus unicornis	78,263	59,614	82,586	82,915	59,245	255,750	73,744	89,934	48,295	34,327	43,116	51,182	62,725	52,069	45,744	30,783	24,013	20,938
Testudinella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asplanchna priodonta	-	390	-	-	-	-	2,470	1,755	728	1,984	1,429	1,170	4,163	5,612	5,718	196	616	199
Brachionus quadridentatus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kellicottia longispina	60,551	62,732	58,238	10,687	11,622	33,704	22,935	17,109	20,143	23,612	28,823	28,954	54,399	48,639	66,472	28,038	44,127	45,864
Keratella cochlearis	-	-	-	-	-	-	1,059	877	-	595	953	2,340	833	1,247	3,216	-	-	-
Keratella quadrata	-	-	-	-	283	-	-	-	-	-	-	-	-	-	-	-	-	-
Ploesoma hudsoni	-	390	329	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polyarthra sp.	-	-	-	-	-	-	-	-	-	397	-	-	-	-	-	-	-	-
Synchaeta sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	598
Total Density	**175,783**	**163,498**	**172,147**	**185,992**	**147,829**	**424,268**	**147,065**	**157,202**	**120,615**	**101,960**	**144,117**	**136,290**	**151,170**	**139,265**	**148,668**	**67,319**	**78,840**	**77,216**

Notes:

Density units are organisms/m^3.

Dash (-) = no organisms were identified in the indicated taxonomic group; sp. = a qualifier for when a specimen was not able to be identified down to the species level

Discrepancies between total densities with Table 3.5-2 are due to rounding.

3.5.3 Zooplankton QA/QC

Triplicate zooplankton biomass and taxonomy samples were collected from each sampling site.

Zooplankton taxonomy QA/QC was completed on approximately 10% of the zooplankton samples (6 of the 54 samples); results are included in Table 3.5-5. QA/QC samples were analysed by two different taxonomists to verify taxonomic accuracy and reproducibility of the processing and analysis. The percent similarities between the original and QC counts were calculated. The data quality objective of ≥ 90% is recommended for percent similarity of zooplankton taxonomic identification. Percent similarity was > 92% for the QA/QC samples.

Taxonomic accuracy and reproducibility of the processing and analysis methods were verified by taxonomists through discussions and re-examination of the specimens. If discrepancies still existed in the identification, samples would be re-analysed. In 2024, it was concluded that no changes to original taxonomy were required.

Table 3.5-5 Zooplankton Taxonomy QA/QC Results for AEMP Lake Samples, 2024

Nanuq Lake, Rep. 1, Laboratory Sample ID: 7932.40-1						
Component	**Taxa ID**	**Original Count**		**QC Count**		**Relative Abundance Absolute Difference (%)**
		Abundance (#)	**Percent Total (%)**	**Abundance (#)**	**Percent Total (%)**	
Coarse Fraction	Calanoida—copepodites	99	13.9	98	13.1	0.8
	Cyclopoida—copepodites	22	3.1	18	2.4	0.7
	Cyclops	265	37.2	265	35.4	1.7
	Heterocope septentrionalis	4	0.6	3	0.4	0.2
	Holopedium gibberum	5	0.7	3	0.4	0.3
	Ostracoda	0	0.0	1	0.1	0.1
Fine Fraction	*Collotheca*	17	2.4	22	2.9	0.6
	Conochilus unicornis	167	23.4	181	24.2	0.8
	Copepoda—nauplii	27	3.8	32	4.3	0.5
	Kellicottia longispina	107	15.0	125	16.7	1.7
Total Count		**713**	**100**	**748**	**100**	**7**
Percent Similarity		**96.3**				

Counts Lake, Rep. 1, Laboratory Sample ID: 7932.40-4						
Component	**Taxa ID**	**Original Count**		**QC Count**		**Relative Abundance Absolute Difference (%)**
		Abundance (#)	**Percent Total (%)**	**Abundance (#)**	**Percent Total (%)**	
Coarse Fraction	Calanoida—copepodites	205	21.0	212	24.0	3.0
	Cyclopoida—copepodites	3	0.3	3	0.3	0.0
	Cyclops	48	4.9	43	4.9	0.0
	Daphnia middendorffiana	2	0.2	1	0.1	0.1
	Holopedium gibberum	1	0.1	1	0.1	0.0
	Leptodiaptomus pribilofensis	22	2.3	12	1.4	0.9
Fine Fraction	*Collotheca*	108	11.1	105	11.9	0.8
	Conochilus unicornis	187	19.1	194	22.0	2.8
	Copepoda—nauplii	275	28.1	199	22.5	5.6
	Kellicottia longispina	124	12.7	111	12.6	0.1
	Keratella quadrata	2	0.2	2	0.2	0.0
Total Count		**977**	**100**	**883**	**100**	**14**
Percent Similarity		**93.2**				

Counts Lake, Rep. 3, Laboratory Sample ID: 7932.40-6						
Component	**Taxa ID**	**Original Count**		**QC Count**		**Relative Abundance Absolute Difference (%)**
		Abundance (#)	**Percent Total (%)**	**Abundance (#)**	**Percent Total (%)**	
Coarse Fraction	Calanoida—copepodites	194	21.4	194	24.3	2.9
	Cyclopoida—copepodites	8	0.9	4	0.5	0.4
	Cyclops	71	7.8	71	8.9	1.1
	Diaptomidae	0	0.0	1	0.1	0.1

Counts Lake, Rep. 3, Laboratory Sample ID: 7932.40-6						
Component	**Taxa ID**	**Original Count**		**QC Count**		**Relative Abundance Absolute Difference (%)**
		Abundance (#)	**Percent Total (%)**	**Abundance (#)**	**Percent Total (%)**	
	Heterocope septentrionalis	1	0.1	1	0.1	0.0
	Holopedium gibberum	1	0.1	1	0.1	0.0
	Leptodiaptomus ashlandi	1	0.1	0	0.0	0.1
	Leptodiaptomus pribilofensis	14	1.5	7	0.9	0.7
Fine Fraction	*Collotheca*	46	5.1	44	5.5	0.4
	Conochilus unicornis	57	6.3	41	5.1	1.1
	Copepoda—nauplii	426	47.0	353	44.3	2.7
	Kellicottia longispina	87	9.6	80	10.0	0.4
Total Count		**906**	**100**	**797**	**100**	**10**
Percent Similarity		**95.0**				

Northeast Lake, Rep. 2, Laboratory Sample ID: 7932.40-11						
Component	**Taxa ID**	**Original Count**		**QC Count**		**Relative Abundance Absolute Difference (%)**
		Abundance (#)	**Percent Total (%)**	**Abundance (#)**	**Percent Total (%)**	
Coarse Fraction	Calanoida—copepodites	199	23.1	188	27.2	4.2
	Cyclopoida—copepodites	91	10.6	90	13.0	2.5
	Cyclops	10	1.2	1	0.1	1.0
	Heterocope septentrionalis	5	0.6	5	0.7	0.1
Fine Fraction	*Collotheca*	6	0.7	11	1.6	0.9
	Conochilus unicornis	177	20.5	119	17.2	3.3
	Copepoda—nauplii	290	33.6	225	32.6	1.0

Northeast Lake, Rep. 2, Laboratory Sample ID: 7932.40-11						
Component	**Taxa ID**	**Original Count**		**QC Count**		**Relative Abundance Absolute Difference (%)**
		Abundance (#)	**Percent Total (%)**	**Abundance (#)**	**Percent Total (%)**	
	Kellicottia longispina	83	9.6	51	7.4	2.2
	Keratella cochlearis	1	0.1	0	0.0	0.1
Total Count		**862**	**100**	**690**	**100**	**15**
Percent Similarity		**92.3**				

Kodiak Lake, Rep. 1, Laboratory Sample ID: 7932.40-13						
Component	**Taxa ID**	**Original Count**		**QC Count**		**Relative Abundance Absolute Difference (%)**
		Abundance (#)	**Percent Total (%)**	**Abundance (#)**	**Percent Total (%)**	
Coarse Fraction	Calanoida—copepodites	70	9.9	70	10.4	0.5
	Cyclopoida—copepodites	99	14.0	91	13.5	0.5
	Cyclops	65	9.2	66	9.8	0.6
	Daphnia middendorffiana	1	0.1	1	0.1	0.0
	Heterocope septentrionalis	3	0.4	3	0.4	0.0
	Leptodiaptomus pribilofensis	85	12.0	78	11.6	0.4
Fine Fraction	*Collotheca*	1	0.1	0	0.0	0.1
	Conochilus unicornis	19	2.7	16	2.4	0.3
	Copepoda—nauplii	349	49.4	327	48.7	0.8
	Kellicottia longispina	14	2.0	20	3.0	1.0
Total Count		**706**	**100**	**672**	**100**	**4**
Percent Similarity		**97.9**				

Logan Lake, Rep. 3, Laboratory Sample ID: 7932.40-51						
Component	**Taxa ID**	**Original Count**		**QC Count**		**Relative Abundance Absolute Difference (%)**
		Abundance (#)	**Percent Total (%)**	**Abundance (#)**	**Percent Total (%)**	
Coarse Fraction	*Bosmina longirostris*	119	18.9	119	18.9	0.0
	Calanoida—copepodites	8	1.3	14	2.2	1.0
	Cyclopoida—copepodites	10	1.6	10	1.6	0.0
	Cyclops	21	3.3	20	3.2	0.2
	Daphnia longiremis	2	0.3	5	0.8	0.5
	Diacyclops thomasi	15	2.4	10	1.6	0.8
	Epischura nevadensis	6	1.0	4	0.6	0.3
	Eubosmina longispina	27	4.3	35	5.6	1.3
	Holopedium gibberum	76	12.1	67	10.6	1.4
Fine Fraction	*Asplanchna priodonta*	16	2.5	16	2.5	0.0
	Collotheca	5	0.8	15	2.4	1.6
	Conochilus unicornis	128	20.3	130	20.6	0.3
	Copepoda—nauplii	1	0.2	1	0.2	0.0
	Kellicottia longispina	186	29.6	176	27.9	1.6
	Keratella cochlearis	9	1.4	8	1.3	0.2
Total Count		**629**	**100**	**630**	**100**	**9**
Percent Similarity		**95.4**				

Note:
QC = quality control

3.6 Lake Benthos

Lake benthos samples were collected in late July to mid-August for 12 AEMP lakes sites. Replicate coordinates and depths are provided in Table 3.6-1. Taxonomic analyses were completed by EcoAnalysts.

Mean total benthos density and mean dipteran density (organisms/m^2) were calculated for each of the sites and are presented in Table 3.6-2. Dipteran community diversity (Shannon and Simpson's diversity indices) was calculated and is presented in Table 3.6-3. Results of the taxonomic analysis for each replicate sample are presented in Table 3.6-4.

Table 3.6-1 Benthos Sampling Dates, Locations, and Distances between Replicates for AEMP Lakes, 2024

Lake	Sampling Date	Coordinates (m)						Distance between Replicates (m)			Mean Depth (m)
		Replicate 1		Replicate 2		Replicate 3					
		Easting	Northing	Easting	Northing	Easting	Northing	Min.	Max.	Mean	
Reference Lakes											
Nanuq	July 31, 2024	534669	7199074	534678	7199074	534674	7199070	5.7	9.0	7	8.0
Counts	July 30, 2024	533672	7169822	533676	7169820	533674	7169828	4.5	8.2	6	5.7
Vulture	July 30, 2024	522172	7182136	522182	7182132	522173	7182127	9.1	10.8	10	8.4
Northeast	July 27, 2024	523353	7195097	523357	7195088	523361	7195100	8.5	12.6	10	6.7
Koala Watershed and Lac de Gras											
Leslie	August 4, 2024	515825	7173191	515822	7173194	515818	7173193	4.1	7.3	5	5.6
King-Cujo Watershed and Lac du Sauvage											
Cujo	August 3, 2024	538726	7162007	538722	7162008	538722	7162002	4.1	6.4	6	5.5
LdS1	August 5, 2024	541618	7164533	541613	7164532	541615	7164530	2.8	5.1	4	7.4
Horseshoe Watershed and Lower Exeter Lake											
Horseshoe	July 29, 2024	521444	7193694	521446	7193697	521440	7193695	3.6	6.3	5	4.3
HWL2	July 28, 2024	519632	7196474	519632	7196481	519632	7196486	5.0	12.0	8	7.9
Ross	July 28, 2024	517434	7194670	517444	7194676	517446	7194684	8.2	18.4	13	5.5
Logan	July 26, 2024	511543	7193618	511540	7193605	511539	7193623	6.4	18.0	13	7.3
Lower Exeter	July 27, 2024	508973	7191197	508978	7191187	508982	7191192	6.4	11.2	9	7.6

Note:
Coordinates are presented in NAD83 UTM Zone 12N.

Table 3.6-2 Total and Dipteran Benthos Densities for AEMP Lakes, 2024

Lake	Sampling Date	Replicate	Total Density (organisms/m²)	Total Dipteran Density (organisms/m²)
Nanuq	July 31, 2024	1	4,919	3,319
		2	4,385	3,378
		3	3,081	2,385
		Mean	**4,128**	**3,027**
		SE	**546**	**321**
Counts	July 30, 2024	1	3,170	1,763
		2	6,028	3,894
		3	2,474	1,556
		Mean	**3,891**	**2,404**
		SE	**1,087**	**747**
Vulture	July 30, 2024	1	2,859	2,593
		2	933	741
		3	1,704	1,363
		Mean	**1,832**	**1,565**
		SE	**560**	**544**
Northeast	July 27, 2024	1	1,067	533
		2	2,963	1,481
		3	1,304	696
		Mean	**1,778**	**904**
		SE	**597**	**293**
Leslie	August 4, 2024	1	12,642	948
		2	19,378	1,481
		3	13,393	1,817
		Mean	**15,137**	**1,416**
		SE	**2,131**	**253**
Cujo	August 3, 2024	1	10,104	2,311
		2	6,617	3,002
		3	4,593	1,985
		Mean	**7,105**	**2,433**
		SE	**1,609**	**300**

Lake	Sampling Date	Replicate	Total Density (organisms/m^2)	Total Dipteran Density (organisms/m^2)
LdS1	August 5, 2024	1	830	1,304
		2	1,437	2,059
		3	741	1,156
		Mean	**1,002**	**1,506**
		SE	**219**	**280**
Horseshoe	July 29, 2024	1	2,385	3,659
		2	3,096	4,948
		3	1,304	2,237
		Mean	**2,262**	**3,615**
		SE	**521**	**783**
HWL2	July 28, 2024	1	1,807	2,207
		2	1,378	2,207
		3	859	1,111
		Mean	**1,348**	**1,842**
		SE	**274**	**365**
Ross	July 28, 2024	1	1,956	2,193
		2	2,193	2,385
		3	2,059	2,341
		Mean	**2,069**	**2,306**
		SE	**69**	**58**
Logan	July 26, 2024	1	2,993	3,615
		2	1,881	2,178
		3	1,659	2,178
		Mean	**2,178**	**2,657**
		SE	**412**	**479**
Lower Exeter	July 27, 2024	1	963	1,467
		2	1,126	1,615
		3	2,119	2,785
		Mean	**1,402**	**1,956**
		SE	**361**	**417**

Notes:

SE = standard error of the mean

Shaded values represent densities outside the benchmark range. See Section 2.2.5.2 of Part 1—Annual Report for benchmark values.

Table 3.6-3 Benthic Dipteran Diversity Indices for AEMP Lakes, 2024

Lake	Sampling Date	Replicate	Dipteran Shannon Diversity	Dipteran Simpson's Diversity
Nanuq	July 31, 2024	1	1.88	0.81
		2	2.04	0.85
		3	1.99	0.84
		Mean	**1.97**	**0.83**
		SE	**0.05**	**0.01**
Counts	July 30, 2024	1	1.95	0.83
		2	1.76	0.77
		3	1.73	0.79
		Mean	**1.81**	**0.80**
		SE	**0.07**	**0.02**
Vulture	July 30, 2024	1	1.64	0.68
		2	1.52	0.60
		3	2.30	0.89
		Mean	**1.82**	**0.72**
		SE	**0.24**	**0.09**
Northeast	July 27, 2024	1	1.33	0.71
		2	1.28	0.57
		3	1.35	0.66
		Mean	**1.32**	**0.64**
		SE	**0.02**	**0.04**
Leslie	August 4, 2024	1	1.31	0.58
		2	1.59	0.69
		3	1.55	0.61
		Mean	**1.48**	**0.63**
		SE	**0.09**	**0.03**
Cujo	August 3, 2024	1	1.14	0.46
		2	0.84	0.36
		3	0.73	0.32
		Mean	**0.90**	**0.38**
		SE	**0.12**	**0.04**

Lake	Sampling Date	Replicate	Dipteran Shannon Diversity	Dipteran Simpson's Diversity
LdS1	August 5, 2024	1	1.66	0.76
		2	1.51	0.71
		3	1.54	0.71
		Mean	**1.57**	**0.73**
		SE	**0.05**	**0.02**
Horseshoe	July 29, 2024	1	1.76	0.80
		2	1.79	0.75
		3	1.55	0.73
		Mean	**1.70**	**0.76**
		SE	**0.08**	**0.02**
HWL2	July 28, 2024	1	1.52	0.70
		2	1.56	0.75
		3	1.62	0.78
		Mean	**1.57**	**0.74**
		SE	**0.03**	**0.02**
Ross	July 28, 2024	1	0.98	0.41
		2	1.17	0.55
		3	1.14	0.55
		Mean	**1.10**	**0.50**
		SE	**0.06**	**0.04**
Logan	July 26, 2024	1	1.85	0.76
		2	2.09	0.83
		3	1.52	0.70
		Mean	**1.82**	**0.76**
		SE	**0.17**	**0.04**
Lower Exeter	July 27, 2024	1	2.20	0.87
		2	2.07	0.85
		3	1.88	0.78
		Mean	**2.05**	**0.83**
		SE	**0.09**	**0.03**

Note:
SE = standard error of the mean

Table 3.6-4 Benthos Taxonomy Results for AEMP Lakes, 2024

Lake	Nanuq			Counts			Vulture			Northeast			Leslie		
Sampling Date	**31-Jul-24**			**30-Jul-24**			**30-Jul-24**			**27-Jul-24**			**4-Aug-24**		
Replicate	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**
Laboratory Sample ID	**7932.41-1**	**7932.41-2**	**7932.41-3**	**7932.41-4**	**7932.41-5**	**7932.41-6**	**7932.41-7**	**7932.41-8**	**7932.41-9**	**7932.41-10**	**7932.41-11**	**7932.41-12**	**7932.41-13**	**7932.41-14**	**7932.41-15**
Annelida Clitellata															
Enchytraeidae	44	15	15	-	-	-	-	-	-	-	-	-	-	-	-
Lumbriculidae	74	163	89	15	17	44	-	-	-	15	15	15	553	593	395
Naididae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Limnodrilus hoffmeisteri	-	-	-	-	-	-	-	-	-	-	-	-	119	-	-
Rhyacodrilus coccineus	-	15	-	15	-	-	-	-	-	30	15	30	-	-	-
Rhyacodrilus sp.	-	-	15	-	-	-	-	-	-	-	-	15	-	-	-
Arthropoda															
Chelicerata Acari	15	-	-	-	68	59	44	-	-	-	-	-	-	59	-
Arrenurus sp.	-	-	-	30	-	-	-	-	-	-	-	-	-	-	-
Lebertia sp.	-	-	-	44	51	89	-	15	-	-	133	30	79	119	40
Limnesia sp.	-	-	-	-	68	-	-	-	-	-	-	-	-	-	79
Oxus sp.	-	-	-	-	34	-	-	-	-	-	-	-	40	-	-
Pionidae	-	-	-	-	17	-	-	-	-	-	-	15	-	-	40
Forelia sp.	-	-	-	-	17	-	-	-	-	-	-	-	-	-	-
Crustacea Ostracoda	-	-	15	15	-	-	-	-	30	-	89	15	-	-	-
Hexapoda															
Diptera															
Ceratopogonidae Ceratopogoninae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chironomidae															
Chironomini															
Chironomus sp.	-	44	30	207	288	281	-	-	-	-	-	-	-	-	-
Cladopelma sp.	-	-	-	15	34	-	-	-	-	-	30	-	-	-	-
Cryptochironomus sp.	-	15	-	44	34	44	-	-	-	-	-	-	40	178	40
Dicrotendipes fumidus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicrotendipes lobiger	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicrotendipes neomodestus	178	400	222	-	85	44	296	15	148	-	15	-	-	59	-
Dicrotendipes sp.	-	-	-	15	152	148	15	15	15	-	-	-	-	-	-
Endochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	79

Lake	Nanuq			Counts			Vulture			Northeast			Leslie		
Sampling Date	31-Jul-24			30-Jul-24			30-Jul-24			27-Jul-24			4-Aug-24		
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Laboratory Sample ID	7932.41-1	7932.41-2	7932.41-3	7932.41-4	7932.41-5	7932.41-6	7932.41-7	7932.41-8	7932.41-9	7932.41-10	7932.41-11	7932.41-12	7932.41-13	7932.41-14	7932.41-15
Microtendipes pedellus gr.	15	30	-	-	-	-	59	44	44	-	-	-	-	-	-
Pagastiella sp.	-	-	-	-	-	-	-	-	-	-	-	-	40	-	79
Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paracladopelma sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phaenopsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polypedilum halterale gr.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polypedilum nubeculosum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polypedilum scalaenum gr.	-	-	-	-	-	-	-	-	-	-	30	-	-	-	40
Polypedilum tritum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sergentia sp.	-	15	15	15	-	-	-	-	-	-	-	-	-	-	-
Stictochironomus sp.	1,081	593	459	104	51	15	1,393	459	237	178	919	356	79	-	158
Pseudochironomini *Pseudochironomus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	79	59	40
Tanytarsini	15	15	15	-	-	-	-	-	-	-	-	-	-	-	-
Cladotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40
Corynocera sp.	-	-	-	459	271	74	-	-	-	-	-	-	-	-	-
Paratanytarsus sp.	533	459	341	237	1,473	548	193	15	133	15	30	15	-	-	-
Rheotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stempellinella sp.	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-
Tanytarsus sp.	548	652	563	356	847	281	74	-	15	-	-	15	-	59	40
Diamesini *Potthastia longimanus* gr.	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-
Protanypodini *Protanypus* sp.	-	-	-	-	-	-	-	30	44	193	59	74	79	119	-
Orthocladiinae	-	15	-	-	17	-	-	-	-	-	-	-	-	-	-
Cricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cricotopus/Orthocladius sp.	-	-	-	-	-	-	15	-	-	-	-	-	-	-	-
Heterotrissocladius marcidus gr.	59	-	15	-	-	-	15	30	178	-	15	-	-	-	-
Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Psectrocladius sp.	252	607	385	15	34	-	163	30	178	-	30	15	-	-	-
Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prodiamesinae *Monodiamesa* sp.	15	-	15	-	-	-	59	30	30	30	30	44	-	119	40

Lake	Nanuq			Counts			Vulture			Northeast			Leslie		
Sampling Date	31-Jul-24			30-Jul-24			30-Jul-24			27-Jul-24			4-Aug-24		
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Laboratory Sample ID	7932.41-1	7932.41-2	7932.41-3	7932.41-4	7932.41-5	7932.41-6	7932.41-7	7932.41-8	7932.41-9	7932.41-10	7932.41-11	7932.41-12	7932.41-13	7932.41-14	7932.41-15
Tanypodinae															
Ablabesmyia (Ablabesmyia)	-	15	-	-	-	-	15	30	59	-	-	-	-	-	-
Ablabesmyia philosphagnos	-	-	-	15	-	-	-	-	-	-	-	-	-	-	-
Ablabesmyia sp.	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-
Thienemannimyia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thienemannimyia gr. sp.	326	356	207	-	34	-	104	30	74	-	15	-	-	-	40
Procladius sp.	296	133	104	281	576	119	193	15	178	119	311	178	593	770	1,106
Empididae	-	-	15	-	-	-	-	-	-	-	-	-	40	119	119
Trichoptera															
Agraylea sp.	-	-	-	30	34	30	-	-	-	-	-	-	-	-	-
Mystacides sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40
Oecetis sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Grensia praeterita	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mollusca															
Bivalvia															
Sphaeriidae	281	222	44	119	-	74	-	119	148	296	311	163	3,556	4,207	2,173
Pisidium sp.	889	326	326	637	1,219	222	44	44	163	193	874	326	6,242	11,615	7,941
Sphaerium sp.	-	30	-	15	51	-	-	-	-	-	-	-	-	-	-
Gastropoda															
Valvata sp.	-	-	-	459	525	385	148	15	-	-	-	-	1,106	1,304	830
Nematoda	296	237	193	30	34	15	30	-	-	-	-	-	-	-	-
Platyhelminthes Turbellaria	-	-	-	-	-	-	-	-	-	-	44	-	-	-	40
Total Density	**4,919**	**4,385**	**3,081**	**3,170**	**6,028**	**2,474**	**2,859**	**933**	**1,704**	**1,067**	**2,963**	**1,304**	**12,642**	**19,378**	**13,393**

Lake	Cujo			LdS1			Horseshoe			HWL2			Ross		
Sampling Date	3-Aug-24			5-Aug-24			29-Jul-24			28-Jul-24			28-Jul-24		
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Laboratory Sample ID	7932.41-16	7932.41-17	7932.41-18	7932.41-19	7932.41-20	7932.41-21	7932.41-22	7932.41-23	7932.41-24	7932.41-25	7932.41-26	7932.41-27	7932.41-28	7932.41-29	7932.41-30
Annelida Clitellata															
Enchytraeidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lumbriculidae	59	-	-	15	15	74	-	30	59	30	59	44	30	89	74
Naididae	-	-	-	-	-	-	74	44	44	-	-	-	-	-	-
Limnodrilus hoffmeisteri	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rhyacodrilus coccineus	-	-	-	-	-	-	30	30	30	30	-	-	-	-	-
Rhyacodrilus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arthropoda															
Chelicerata Acari	-	-	-	15	-	-	-	-	15	-	-	-	-	-	-
Arrenurus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lebertia sp.	30	158	44	30	30	30	89	74	15	30	74	-	74	44	74
Limnesia sp.	119	59	119	-	-	-	-	15	-	-	-	-	-	-	-
Oxus sp.	-	-	-	-	30	-	-	15	30	-	15	-	-	-	-
Pionidae	-	-	30	-	-	15	-	-	-	-	-	-	-	-	-
Forelia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea Ostracoda	385	198	237	-	-	-	119	133	15	-	-	-	-	-	-
Hexapoda															
Diptera															
Ceratopogonidae Ceratopogoninae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chironomidae															
Chironomini															
Chironomus sp.	59	40	-	-	-	-	-	-	-	-	-	-	-	-	-
Cladopelma sp.	-	-	15	-	-	-	44	30	-	-	-	-	-	-	-
Cryptochironomus sp.	-	-	-	-	-	-	-	15	30	15	-	15	-	-	-
Dicrotendipes fumidus	-	-	-	-	-	-	-	-	30	-	-	-	-	-	-
Dicrotendipes lobiger	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicrotendipes neomodestus	89	-	15	15	-	-	15	163	59	533	385	237	30	-	-
Dicrotendipes sp.	-	-	-	15	15	15	15	-	-	-	-	-	-	-	-
Endochironomus sp.	89	-	-	-	-	-	-	15	-	-	-	-	-	-	-
Glyptotendipes sp.	30	20	-	-	-	-	-	44	30	-	-	-	-	-	-

Lake	Cujo			LdS1			Horseshoe			HWL2			Ross		
Sampling Date	3-Aug-24			5-Aug-24			29-Jul-24			28-Jul-24			28-Jul-24		
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Laboratory Sample ID	7932.41-16	7932.41-17	7932.41-18	7932.41-19	7932.41-20	7932.41-21	7932.41-22	7932.41-23	7932.41-24	7932.41-25	7932.41-26	7932.41-27	7932.41-28	7932.41-29	7932.41-30
Microtendipes pedellus gr.	-	-	-	-	-	-	-	-	-	59	193	237	-	-	-
Pagastiella sp.	-	20	15	-	-	-	74	89	30	15	-	-	-	-	-
Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paracladopelma sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phaenopsectra sp.	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-
Polypedilum halterale gr.	148	316	119	-	-	-	-	15	-	-	-	-	-	-	-
Polypedilum nubeculosum	-	-	44	-	-	-	-	-	-	-	-	-	-	-	-
Polypedilum scalaenum gr.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polypedilum tritum	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-
Sergentia sp.	-	-	15	-	-	-	-	15	-	-	-	-	-	-	-
Stictochironomus sp.	-	-	-	207	681	89	-	-	-	815	519	193	1,481	1,422	1,319
Pseudochironomini *Pseudochironomus* sp.	-	-	-	-	-	-	44	-	-	-	-	-	-	-	-
Tanytarsini	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cladotanytarsus sp.	-	-	-	-	-	-	-	74	-	-	-	-	-	-	-
Corynocera sp.	59	119	104	15	-	-	474	385	163	-	-	-	-	-	-
Paratanytarsus sp.	30	20	-	-	-	-	726	1,348	430	15	-	-	-	-	-
Rheotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stempellinella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tanytarsus sp.	89	-	30	-	30	-	341	222	-	-	-	-	-	-	-
Diamesini *Potthastia longimanus* gr.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Protanypodini *Protanypus* sp.	-	-	-	15	15	74	-	-	-	-	-	-	44	-	-
Orthocladiinae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cricotopus sp.	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-
Cricotopus/Orthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heterotrissocladius marcidus gr.	-	-	-	-	-	-	-	-	-	30	-	-	74	74	104
Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Psectrocladius sp.	-	-	-	44	148	30	133	44	44	89	59	30	89	326	326
Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prodiamesinae *Monodiamesa* sp.	-	-	-	281	252	119	-	-	-	15	59	30	74	133	178

Lake	Cujo			LdS1			Horseshoe			HWL2			Ross		
Sampling Date	3-Aug-24			5-Aug-24			29-Jul-24			28-Jul-24			28-Jul-24		
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Laboratory Sample ID	7932.41-16	7932.41-17	7932.41-18	7932.41-19	7932.41-20	7932.41-21	7932.41-22	7932.41-23	7932.41-24	7932.41-25	7932.41-26	7932.41-27	7932.41-28	7932.41-29	7932.41-30
Tanypodinae															
Ablabesmyia (Ablabesmyia)	30	40	-	30	30	30	-	-	-	44	-	-	15	15	15
Ablabesmyia philosphagnos	-	-	-	-	-	-	-	30	-	-	-	-	-	-	-
Ablabesmyia sp.	-	-	-	-	44	30	-	-	-	-	-	-	-	30	-
Thienemannimyia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thienemannimyia gr. sp.	-	-	-	15	-	-	-	-	-	-	-	-	-	15	-
Procladius sp.	1,689	2,370	1,630	193	222	356	519	607	489	178	148	119	148	178	119
Empididae	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-
Trichoptera															
Agraylea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mystacides sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oecetis sp.	-	-	15	-	-	-	-	-	-	-	-	-	-	-	-
Grensia praeterita	-	-	-	-	-	-	-	-	-	-	-	-	44	30	30
Mollusca															
Bivalvia															
Sphaeriidae	3,052	830	652	119	89	-	222	637	133	74	163	44	74	15	74
Pisidium sp.	4,148	2,351	1,496	296	430	267	741	874	593	178	430	163	-	-	-
Sphaerium sp.	-	-	-	-	-	15	-	-	-	15	15	-	-	-	-
Gastropoda															
Valvata sp.	-	20	15	-	30	15	-	-	-	-	-	-	-	-	-
Nematoda	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Platyhelminthes Turbellaria	-	-	-	-	-	-	-	-	-	44	74	-	15	15	30
Total Density	**10,104**	**6,617**	**4,593**	**1,304**	**2,059**	**1,156**	**3,659**	**4,948**	**2,237**	**2,207**	**2,207**	**1,111**	**2,193**	**2,385**	**2,341**

Lake	Logan			Lower Exeter		
Sampling Date	26-Jul-24			27-Jul-24		
Replicate	1	2	3	1	2	3
Laboratory Sample ID	7932.41-31	7932.41-32	7932.41-33	7932.41-34	7932.41-35	7932.41-36
Annelida Clitellata						
Enchytraeidae	-	-	-	-	-	-
Lumbriculidae	30	15	15	30	15	-
Naididae	-	-	-	-	-	-
Limnodrilus hoffmeisteri	-	-	-	-	-	-
Rhyacodrilus coccineus	-	-	-	-	-	-
Rhyacodrilus sp.	-	-	-	-	-	-
Arthropoda						
Chelicerata Acari	15	15	-	15	15	-
Arrenurus sp.	-	-	-	-	-	-
Lebertia sp.	59	30	-	15	30	15
Limnesia sp.	-	-	-	-	-	-
Oxus sp.	-	-	-	-	-	-
Pionidae	-	-	-	-	-	-
Forelia sp.	-	-	-	-	-	-
Crustacea Ostracoda	-	-	-	-	-	-
Hexapoda						
Diptera						
Ceratopogonidae Ceratopogoninae	15	-	-	-	-	-
Chironomidae						
Chironomini						
Chironomus sp.	-	-	-	-	-	-
Cladopelma sp.	-	-	-	-	-	-
Cryptochironomus sp.	-	-	-	-	-	-
Dicrotendipes fumidus	-	-	-	-	-	-
Dicrotendipes lobiger	548	74	370	-	-	15
Dicrotendipes neomodestus	119	30	59	-	30	15
Dicrotendipes sp.	44	30	-	-	-	-
Endochironomus sp.	-	-	-	-	-	-
Glyptotendipes sp.	15	-	-	-	-	-

Lake	Logan			Lower Exeter		
Sampling Date	26-Jul-24			27-Jul-24		
Replicate	1	2	3	1	2	3
Laboratory Sample ID	7932.41-31	7932.41-32	7932.41-33	7932.41-34	7932.41-35	7932.41-36
Microtendipes pedellus gr.	-	104	-	44	44	74
Pagastiella sp.	-	-	-	-	-	-
Parachironomus sp.	-	-	-	30	-	15
Paracladopelma sp.	15	-	15	-	-	-
Phaenopsectra sp.	-	-	-	-	-	-
Polypedilum halterale gr.	-	-	-	-	-	-
Polypedilum nubeculosum	-	-	-	-	-	-
Polypedilum scalaenum gr.	-	-	-	-	-	-
Polypedilum tritum	-	-	-	-	-	-
Sergentia sp.	-	-	-	-	-	-
Stictochironomus sp.	1,185	563	770	207	193	859
Pseudochironomini *Pseudochironomus* sp.	-	-	-	-	-	-
Tanytarsini	-	-	-	-	-	-
Cladotanytarsus sp.	-	15	-	-	-	-
Corynocera sp.	-	-	-	-	-	-
Paratanytarsus sp.	74	30	-	178	252	356
Rheotanytarsus sp.	-	30	-	-	-	-
Stempellinella sp.	15	30	-	-	-	-
Tanytarsus sp.	74	133	15	89	119	267
Diamesini *Potthastia longimanus* gr.	-	-	-	-	-	-
Protanypodini *Protanypus* sp.	44	-	30	-	-	-
Orthocladiinae	-	-	-	-	-	-
Cricotopus sp.	-	-	-	-	-	-
Cricotopus/Orthocladius sp.	-	-	-	44	15	30
Heterotrissocladius marcidus gr.	222	430	44	-	-	-
Parametriocnemus sp.	-	-	-	-	15	-
Psectrocladius sp.	44	74	-	74	89	74
Zalutschia sp.	15	-	-	-	-	-
Prodiamesinae *Monodiamesa* sp.	59	148	89	119	-	104

Lake	Logan			Lower Exeter		
Sampling Date	26-Jul-24			27-Jul-24		
Replicate	1	2	3	1	2	3
Laboratory Sample ID	7932.41-31	7932.41-32	7932.41-33	7932.41-34	7932.41-35	7932.41-36
Tanypodinae						
Ablabesmyia (Ablabesmyia)	-	-	15	15	-	-
Ablabesmyia philosphagnos	74	-	-	-	-	-
Ablabesmyia sp.	30	59	30	15	74	89
Thienemannimyia sp.	15	-	-	-	-	-
Thienemannimyia gr. sp.	15	-	15	15	59	44
Procladius sp.	370	133	207	119	237	178
Empididae	-	-	-	15	-	-
Trichoptera						
Agraylea sp.	30	15	30	-	-	-
Mystacides sp.	-	-	-	-	-	-
Oecetis sp.	-	-	-	-	-	-
Grensia praeterita	44	-	30	-	-	-
Mollusca						
Bivalvia						
Sphaeriidae	119	89	148	178	74	163
Pisidium sp.	119	119	104	207	311	281
Sphaerium sp.	133	15	104	15	15	30
Gastropoda						
Valvata sp.	74	-	74	44	15	89
Nematoda	-	-	15	-	15	89
Platyhelminthes Turbellaria	-	-	-	-	-	-
Total Density	**3,615**	**2,178**	**2,178**	**1,467**	**1,615**	**2,785**

Notes:

Density units are organisms/m^2.

Dash (-) = no organisms were identified in the indicated taxonomic group; sp. = a qualifier for when a specimen was not able to be identified down to the species level; gr. = group

Area sampled = 0.068 m^2.

Discrepancies between total densities with Table 3.6-2 are due to rounding.

3.6.1 Lake Benthos QA/QC

Triplicate lake benthos samples were collected from each sampling site.

Sorting efficiencies of 90% or greater are considered acceptable under the Environmental Effects Monitoring (EEM) guidance (Environment Canada 2012) while sorting efficiencies below 90% require re-sorting. All lake benthos sample sorting efficiencies were greater than 90% (Table 3.6-5).

Quality control of taxonomic identifications was assessed on four of the 36 lake samples (Table 3.6-6). QA/QC samples were analysed by two different taxonomists to verify taxonomic accuracy and reproducibility of the processing and analysis. The percent similarities between the original and QC counts were calculated. The percent similarities between the original and QC counts ranged from 87.3 to 99.6%. Discrepancies were discussed between the taxonomists and decisions were incorporated into the final dataset.

Table 3.6-5 Benthos Sorting Efficiency Results for AEMP Lake Samples, 2024

Lake	Replicate	Laboratory Sample ID	Percent Subsampled (%)	Total Organisms in Sample (#)	Sorting Efficiency (%)
Nanuq	1	7932.41-1	100	332	100
	2	7932.41-2	100	296	100
	3	7932.41-3	100	209	100
Counts	1	7932.41-4	100	219	95.95
	2	7932.41-5	87.5	391	93.31
	3	7932.41-6	100	173	94.74
Vulture	1	7932.41-7	100	196	98.97
	2	7932.41-8	100	64	98.41
	3	7932.41-9	100	128	96.61
Northeast	1	7932.41-10	100	72	100
	2	7932.41-11	100	205	99.49
	3	7932.41-12	100	90	98.85
Leslie	1	7932.41-13	37.5	320	100
	2	7932.41-14	25	327	100
	3	7932.41-15	37.5	340	100
Cujo	1	7932.41-16	50	341	100
	2	7932.41-17	75	335	100
	3	7932.41-18	100	310	100
LdS1	1	7932.41-19	100	88	100
	2	7932.41-20	100	139	100
	3	7932.41-21	100	78	100

Lake	Replicate	Laboratory Sample ID	Percent Subsampled (%)	Total Organisms in Sample (#)	Sorting Efficiency (%)
Horseshoe	1	7932.41-22	100	247	100
	2	7932.41-23	100	334	97.89
	3	7932.41-24	100	151	100
HWL2	1	7932.41-25	100	152	99.35
	2	7932.41-26	100	149	100
	3	7932.41-27	100	75	100
Ross	1	7932.41-28	100	148	100
	2	7932.41-29	100	161	100
	3	7932.41-30	100	159	99.37
Logan	1	7932.41-31	100	244	98.81
	2	7932.41-32	100	154	98.64
	3	7932.41-33	100	157	99.32
Lower Exeter	1	7932.41-34	100	99	100
	2	7932.41-35	100	109	99.12
	3	7932.41-36	100	189	98.43

Table 3.6-6 Benthos Taxonomy QA/QC Results for AEMP Lake Samples, 2024

Nanuq Lake, Rep 2, Laboratory Sample ID: 7932.41-2						
Component	Taxa ID	Original Count		QC Count		Relative Abundance Absolute Difference (%)
		Abundance (#)	Percent Total (%)	Abundance (#)	Percent Total (%)	
Chironomidae	*Ablabesmyia* (Ablabesmyia)	1	0.3	1	0.3	0.00
	Chironomus	3	1.0	3	1.0	0.00
	Cryptochironomus	1	0.3	1	0.3	0.00
	Dicrotendipes neomodestus	27	9.1	27	9.1	0.00
	Microtendipes pedellus gr.	2	0.7	2	0.7	0.00
	Orthocladiinae	1	0.3	1	0.3	0.00
	Paratanytarsus	31	10.4	31	10.4	0.00
	Potthastia longimanus gr.	2	0.7	2	0.7	0.00
	Procladius	9	3.0	9	3.0	0.00
	Psectrocladius	41	13.8	41	13.8	0.00

Nanuq Lake, Rep 2, Laboratory Sample ID: 7932.41-2						
Component	**Taxa ID**	**Original Count**		**QC Count**		**Relative Abundance Absolute Difference (%)**
		Abundance (#)	**Percent Total (%)**	**Abundance (#)**	**Percent Total (%)**	
	Sergentia	1	0.3	1	0.3	0.00
	Stictochironomus	40	13.5	40	13.5	0.00
	Tanytarsini	1	0.3	1	0.3	0.00
	Tanytarsus	44	14.8	44	14.8	0.00
	Thienemannimyia gr.	24	8.1	24	8.1	0.00
General	Nematoda	16	5.4	17	5.7	0.34
	Pisidium	22	7.4	21	7.1	0.34
	Sphaeriidae	15	5.1	15	5.1	0.00
	Sphaerium	2	0.7	2	0.7	0.00
Oligochaete	Enchytraeidae	1	0.3	1	0.3	0.00
	Lumbriculidae	11	3.7	11	3.7	0.00
	Naididae	1	0.3	1	0.3	0.00
	Rhyacodrilus coccineus	1	0.3	1	0.3	0.00
Total		**297**	**100**	**297**	**100**	**1**
Percent Similarity		**99.66**				

Northeast Lake, Rep 1, Laboratory Sample ID: 7932.41-10						
Component	**Taxa ID**	**Original Count**		**QC Count**		**Relative Abundance Absolute Difference (%)**
		Abundance (#)	**Percent Total (%)**	**Abundance (#)**	**Percent Total (%)**	
Chironomidae	*Monodiamesa*	2	2.8	2	2.9	0.12
	Paratanytarsus	1	1.4	1	1.4	0.06
	Procladius	8	11.1	8	11.6	0.48
	Protanypus	13	18.1	13	18.8	0.79
	Stictochironomus	12	16.7	12	17.4	0.72
General	*Pisidium*	13	18.1	13	18.8	0.79
	Sphaeriidae	20	27.8	17	24.6	3.14
Oligochaete	Lumbriculidae	1	1.4	1	1.4	0.06
	Rhyacodrilus coccineus	2	2.8	2	2.9	0.12
Total		**72**	**100**	**69**	**100**	**6**
Percent Similarity		**96.86**				

Horseshoe Lake, Rep 2, Laboratory Sample ID: 7932.41-23						
Component	**Taxa ID**	**Original Count**		**QC Count**		**Relative Abundance Absolute Difference (%)**
		Abundance (#)	**Percent Total (%)**	**Abundance (#)**	**Percent Total (%)**	
Chironomidae	*Ablabesmyia philosphagnos*	2	0.6	2	0.6	0.01
	Cladopelma	1	0.3	1	0.3	0.01
	Cladotanytarsus	5	1.5	5	1.6	0.03
	Corynocera	26	7.9	26	8.1	0.15
	Cryptochironomus	1	0.3	1	0.3	0.01
	Dicrotendipes neomodestus	11	3.4	11	3.4	0.06
	Endochironomus	1	0.3	1	0.3	0.01
	Glyptotendipes	3	0.9	3	0.9	0.02
	Pagastiella	6	1.8	6	1.9	0.03
	Paratanytarsus	88	26.8	88	27.3	0.50
	Polypedilum halterale gr.	1	0.3	1	0.3	0.01
	Procladius	39	11.9	39	12.1	0.22
	Psectrocladius	3	0.9	3	0.9	0.02
	Sergentia	1	0.3	1	0.3	0.01
	Tanytarsus	15	4.6	15	4.7	0.09
General	*Lebertia*	5	1.5	5	1.6	0.03
	Limnesia	1	0.3	1	0.3	0.01
	Ostracoda	9	2.7	9	2.8	0.05
	Oxus	1	0.3	1	0.3	0.01
	Pisidium	59	18.0	58	18.0	0.02
	Sphaeriidae	43	13.1	38	11.8	1.31
Oligochaete	Lumbriculidae	2	0.6	2	0.6	0.01
	Naididae	3	0.9	3	0.9	0.02
	Rhyacodrilus coccineus	2	0.6	2	0.6	0.01
Total		**328**	**100**	**322**	**100**	**1.4**
Percent Similarity		**98.69**				

Logan Lake, Rep 1, Laboratory Sample ID: 7932.41-31						
Component	**Taxa ID**	**Original Count**		**QC Count**		**Relative Abundance Absolute Difference (%)**
		Abundance (#)	**Percent Total (%)**	**Abundance (#)**	**Percent Total (%)**	
Chironomidae	*Ablabesmyia*	2	0.8	2	0.6	0.21
	Ablabesmyia philosphagnos	5	2.1	5	1.6	0.51
	Dicrotendipes	3	1.2	3	0.9	0.31
	Dicrotendipes lobiger	37	15.3	37	11.5	3.80
	Dicrotendipes neomodestus	8	3.3	8	2.5	0.82
	Glyptotendipes	0	0.0	0	0.0	0.00
	Heterotrissocladius marcidus gr.	15	6.2	15	4.7	1.54
	Monodiamesa	4	1.7	4	1.2	0.41
	Paracladopelma	0	0.0	1	0.3	0.31
	Paratanytarsus	5	2.1	5	1.6	0.51
	Procladius	25	10.3	25	7.8	2.57
	Protanypus	3	1.2	3	0.9	0.31
	Psectrocladius	3	1.2	3	0.9	0.31
	Stempellinella	1	0.4	1	0.3	0.10
	Stictochironomus	80	33.1	79	24.5	8.52
	Tanytarsus	5	2.1	5	1.6	0.51
	Thienemannimyia	1	0.4	1	0.3	0.10
	Thienemannimyia gr.	1	0.4	1	0.3	0.10
	Zalutschia	1	0.4	1	0.3	0.10
General	*Acari*	1	0.4	1	0.3	0.10
	Agraylea	2	0.8	2	0.6	0.21
	Ceratopogoninae	1	0.4	1	0.3	0.10
	Grensia praeterita	3	1.2	3	0.9	0.31
	Lebertia	4	1.7	4	1.2	0.41
	Pisidium	8	3.3	8	2.5	0.82
	Sphaeriidae	8	3.3	8	2.5	0.82
	Sphaerium	9	3.7	9	2.8	0.92
	Valvata	5	2.1	5	1.6	0.51

Logan Lake, Rep 1, Laboratory Sample ID: 7932.41-31						
Component	**Taxa ID**	**Original Count**		**QC Count**		**Relative Abundance Absolute Difference (%)**
		Abundance (#)	**Percent Total (%)**	**Abundance (#)**	**Percent Total (%)**	
Oligochaete	Lumbriculidae	2	0.8	2	0.6	0.21
Total		**242**	**100**	**242**	**75**	**25**
Percent Similarity		**87.27**				

Note:
gr. = group; QC = quality control

3.7 Stream Benthos

Stream benthos samples were collected in September for 10 AEMP streams. Hester-Dendy artificial substrate samplers were placed within each stream in August (August 1 to 5, 2024) and retrieved approximately 30 days later (August 30 to September 3, 2024). Coordinates and dates for each stream site are provided in Table 3.7-1. Taxonomic analyses were completed by EcoAnalysts.

Mean total benthos, total dipteran, and EPT (Ephemeroptera, Plecoptera, and Trichoptera) density (organisms/m^2) were calculated for each site and are presented in Table 3.7-2. Dipteran and EPT community diversity (Shannon and Simpson's diversity indices) were calculated and are presented in Table 3.7-3. Results of the taxonomic analysis for each replicate sample are presented in Table 3.7-4.

Table 3.7-1 Benthos Sampling Dates and Locations for AEMP Streams, 2024

Stream	Hester-Dendy Sampler Deployment Dates		Soak Time (Days)
	Installed	**Retrieved**	
Reference Streams			
Nanuq Outflow	August 4, 2024	September 2, 2024	29
Counts Outflow	August 3, 2024	September 1, 2024	29
Vulture-Polar	August 2, 2024	August 31, 2024	29
Northeast Outflow	August 1, 2024	August 31, 2024	30
Koala Watershed			
Moose-Nero	August 2, 2024	September 1, 2024	30
King-Cujo Watershed			
Cujo Outflow	August 3, 2024	September 1, 2024	29
Horseshoe Watershed			
Horseshoe Outflow	August 1, 2024	August 30, 2024	29
HWL2 Outflow	August 4, 2024	September 2, 2024	29

Stream	Hester-Dendy Sampler Deployment Dates		Soak Time (Days)
	Installed	Retrieved	
Ross Outflow	August 5, 2024	September 3, 2024	29
Logan Outflow	August 5, 2024	September 3, 2024	29

Note:
Coordinates are presented in NAD83 UTM Zone 12N.

Table 3.7-2 Total, Dipteran, and EPT Benthos Densities for AEMP Streams, 2024

Stream	Sampling Period	Replicate	Total Density (organisms/m^2)	Total Dipteran Density (organisms/m^2)	Total EPT (organisms/m^2)
Nanuq Outflow	August 4, 2024–September 2, 2024	1	2,022	1,267	11
		2	3,678	1,856	22
		3	1,044	878	0
		4	7,141	3,956	104
		5	3,056	2,256	56
		Mean	**3,388**	**2,042**	**39**
		SE	**1,040**	**534**	**19**
Counts Outflow	August 3, 2024–September 1, 2024	1	2,933	1,256	0
		2	1,867	1,078	0
		3	711	378	0
		4	2,089	1,067	0
		5	1,911	1,522	0
		Mean	**1,902**	**1,060**	**0**
		SE	**355**	**189**	**0**
Vulture-Polar	August 2, 2024–August 31, 2024	1	1,967	1,633	144
		2	5,393	4,163	30
		3	10,489	8,474	119
		4	4,300	3,978	22
		5	3,878	3,067	33
		Mean	**5,205**	**4,263**	**70**
		SE	**1,432**	**1,144**	**26**

Stream	Sampling Period	Replicate	Total Density (organisms/m²)	Total Dipteran Density (organisms/m²)	Total EPT (organisms/m²)
Northeast Outflow	August 1, 2024–August 31, 2024	1	1,256	844	11
		2	889	844	0
		3	2,367	1,656	11
		4	744	456	11
		5	1,189	1,144	11
		Mean	**1,289**	**989**	**9**
		SE	**285**	**199**	**2**
Moose-Nero	August 2, 2024–September 1, 2024	1	1,789	1,556	0
		2	2,211	2,133	11
		3	711	644	0
		4	3,022	2,778	0
		5	3,456	3,133	67
		Mean	**2,238**	**2,049**	**16**
		SE	**481**	**443**	**13**
Cujo Outflow	August 3, 2024–September 1, 2024	1	7,222	5,356	89
		2	15,867	11,467	44
		3	15,111	11,467	0
		4	38,044	32,000	0
		5	27,467	19,111	0
		Mean	**20,742**	**15,880**	**27**
		SE	**5,398**	**4,583**	**18**
Horseshoe Outflow	August 1, 2024–August 30, 2024	1	1,856	1,056	0
		2	1,367	1,344	0
		3	644	344	0
		4	1,267	1,056	0
		5	1,778	1,744	11
		Mean	**1,382**	**1,109**	**2**
		SE	**217**	**229**	**2**

Stream	Sampling Period	Replicate	Total Density (organisms/m²)	Total Dipteran Density (organisms/m²)	Total EPT (organisms/m²)
HWL2 Outflow	August 4, 2024–September 2, 2024	1	3,600	1,722	44
		2	2,522	2,278	0
		3	567	244	0
		4	1,456	1,022	22
		5	2,056	444	11
		Mean	**2,040**	**1,142**	**16**
		SE	**509**	**383**	**8**
Ross Outflow	August 5, 2024–September 3, 2024	1	16,044	15,511	0
		2	55,822	54,578	178
		3	8,267	7,756	22
		4	4,652	4,444	15
		5	9,215	8,741	59
		Mean	**18,800**	**18,206**	**55**
		SE	**9,437**	**9,269**	**32**
Logan Outflow	August 5, 2024–September 3, 2024	1	5,037	4,667	15
		2	2,300	2,222	0
		3	10,726	10,015	30
		4	6,151	4,640	196
		5	4,844	3,852	59
		Mean	**5,812**	**5,079**	**60**
		SE	**1,381**	**1,311**	**35**

Notes:

EPT = Ephemeroptera, Plecoptera, Trichoptera; SE = standard error of the mean

Shaded values represent densities outside the benchmark range. See Section 2.2.5.2 of Part 1—Annual Report for benchmark values.

Table 3.7-3 Benthic Dipteran and EPT Diversity Indices for AEMP Streams, 2024

Stream	Sampling Period	Replicate	Dipteran		EPT	
			Shannon Diversity	Simpson's Diversity	Shannon Diversity	Simpson's Diversity
Nanuq Outflow	August 4, 2024–September 2, 2024	1	1.85	0.90	0	0
		2	2.00	0.89	0	0
		3	1.83	0.86	0	0
		4	1.62	0.94	0.60	0.41

Stream	Sampling Period	Replicate	Dipteran		EPT	
			Shannon Diversity	Simpson's Diversity	Shannon Diversity	Simpson's Diversity
		5	1.83	0.85	0.67	0.48
		Mean	**1.82**	**0.89**	**0.25**	**0.18**
		SE	**0.06**	**0.02**	**0.16**	**0.11**
Counts Outflow	August 3, 2024–September 1, 2024	1	2.02	0.87	0	0
		2	2.24	0.91	0	0
		3	1.72	0.78	0	0
		4	1.83	0.86	0	0
		5	1.17	0.96	0	0
		Mean	**1.80**	**0.88**	**0**	**0**
		SE	**0.18**	**0.03**	**0**	**0**
Vulture-Polar	August 2, 2024–August 31, 2024	1	2.19	0.90	0.69	0.50
		2	1.48	0.98	0.69	0.50
		3	2.00	0.79	0.64	0.44
		4	1.46	0.79	0.69	0.50
		5	1.72	0.78	0.69	0.50
		Mean	**1.77**	**0.85**	**0.68**	**0.49**
		SE	**0.14**	**0.04**	**0.01**	**0.01**
Northeast Outflow	August 1, 2024–August 31, 2024	1	2.40	0.96	0	0
		2	1.92	0.83	0	0
		3	1.90	0.97	0	0
		4	2.02	0.89	0	0
		5	1.81	0.98	0	0
		Mean	**2.01**	**0.93**	**0**	**0**
		SE	**0.10**	**0.03**	**0**	**0**
Moose-Nero	August 2, 2024–September 1, 2024	1	1.61	0.94	0	0
		2	2.04	0.91	0	0
		3	1.65	0.85	0	0
		4	1.92	0.93	0	0
		5	2.07	0.88	0	0
		Mean	**1.86**	**0.90**	**0**	**0**
		SE	**0.10**	**0.02**	**0**	**0**

Stream	Sampling Period	Replicate	Dipteran		EPT	
			Shannon Diversity	Simpson's Diversity	Shannon Diversity	Simpson's Diversity
Cujo Outflow	August 3, 2024–September 1, 2024	1	1.78	0.90	0	0
		2	1.25	0.66	0	0
		3	1.04	0.54	0	0
		4	1.07	0.56	0	0
		5	1.37	0.82	0	0
		Mean	**1.30**	**0.70**	**0**	**0**
		SE	**0.13**	**0.07**	**0**	**0**
Horseshoe Outflow	August 1, 2024–August 30, 2024	1	2.14	0.94	0	0
		2	1.28	0.65	0	0
		3	1.99	0.90	0	0
		4	1.81	0.80	0	0
		5	1.74	0.79	0	0
		Mean	**1.79**	**0.82**	**0**	**0**
		SE	**0.15**	**0.05**	**0**	**0**
HWL2 Outflow	August 4, 2024–September 2, 2024	1	1.73	0.81	0.56	0.38
		2	1.53	0.97	0	0
		3	1.58	0.82	0	0
		4	1.91	0.99	0	0
		5	1.97	0.97	0	0
		Mean	**1.74**	**0.91**	**0.11**	**0.08**
		SE	**0.09**	**0.04**	**0.11**	**0.07**
Ross Outflow	August 5, 2024–September 3, 2024	1	1.71	0.69	0	0
		2	1.69	0.96	0	0
		3	1.77	0.77	0	0
		4	1.81	0.77	0	0
		5	1.15	0.48	0	0
		Mean	**1.63**	**0.73**	**0**	**0**
		SE	**0.12**	**0.08**	**0**	**0**

Stream	Sampling Period	Replicate	Dipteran		EPT	
			Shannon Diversity	Simpson's Diversity	Shannon Diversity	Simpson's Diversity
Logan Outflow	August 5, 2024–September 3, 2024	1	1.42	0.68	0	0
		2	1.62	0.73	0	0
		3	1.34	0.51	0	0
		4	1.96	0.76	0	0
		5	2.07	0.80	0	0
		Mean	**1.68**	**0.70**	**0**	**0**
		SE	**0.14**	**0.05**	**0**	**0**

Note:
EPT = Ephemeroptera, Plecoptera, Trichoptera; SE = standard error of the mean

Table 3.7-4 Benthos Taxonomy Results for AEMP Streams, 2024

Lake	Nanuq Outflow					Counts Outflow					Vulture-Polar				
Sampling Date	2-Sep-24					1-Sep-24					31-Aug-24				
Replicate	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Laboratory Sample ID	7932.42-1	7932.42-2	7932.42-3	7932.42-4	7932.42-5	7932.42-6	7932.42-7	7932.42-8	7932.42-9	7932.42-10	7932.42-11	7932.42-12	7932.42-13	7932.42-14	7932.42-15
Annelida Clitellata															
Enchytraeidae	22	22	33	15	-	-	11	11	-	-	-	15	-	-	-
Lumbriculidae	-	22	-	-	11	-	11	-	-	-	-	-	-	-	-
Naididae	-	-	-	-	-	22	11	-	-	-	-	-	-	-	-
Chaetogaster diastrophus	44	122	11	44	67	22	11	-	89	22	-	193	711	22	56
Nais sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pristina jenkinae	-	-	-	15	-	-	-	-	-	-	-	15	-	-	-
Uncinais uncinata	-	-	-	-	-	-	-	-	-	-	-	44	-	-	-
Arthropoda															
Chelicerata Acari	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oribatei	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hygrobatidae															
Hygrobates sp.	-	-	-	-	-	-	-	-	-	-	78	-	-	11	33
Lebertiidae															
Lebertia sp.	-	11	-	-	-	-	11	-	-	-	11	-	-	-	-
Sperchontidae															
Sperchon sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sperchonopsis sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
Crustacea															
Copepoda Harpacticoida	322	1,167	67	2,637	556	522	22	22	111	156	11	207	148	-	89
Ostracoda	22	89	11	133	33	511	256	-	67	-	89	222	948	244	578
Hexapoda															
Diptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Empididae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemerodromia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ceratopogonidae Ceratopogoninae	22	-	89	-	178	167	56	22	189	889	267	756	178	1,044	133
Chironomidae															
Acamptocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corynoneura sp.	233	544	289	800	800	244	22	33	389	267	278	504	3,467	1,822	1,178
Cricotopus bicinctus gr.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cricotopus sp.	-	233	44	237	344	211	144	89	44	44	311	133	1,333	100	767
Cricotopus/Orthocladius sp.	256	33	-	-	-	78	-	33	-	11	-	-	-	-	33

Lake	Nanuq Outflow					Counts Outflow					Vulture-Polar				
Sampling Date	2-Sep-24					1-Sep-24					31-Aug-24				
Replicate	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Laboratory Sample ID	7932.42-1	7932.42-2	7932.42-3	7932.42-4	7932.42-5	7932.42-6	7932.42-7	7932.42-8	7932.42-9	7932.42-10	7932.42-11	7932.42-12	7932.42-13	7932.42-14	7932.42-15
Doncricotopus bicaudatus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eukiefferiella claripennis gr.	-	-	-	-	-	-	-	-	-	-	78	-	148	-	44
Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	33	-	-	-	-
Heterotrissocladius marcidus gr.	-	-	-	-	-	-	-	-	-	-	-	-	30	-	-
Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nanocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-	178	-	-
Orthocladius (Euorthocladius)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Orthocladius (Symposiocladius) annectens	144	89	11	326	89	311	256	144	56	-	144	30	622	22	44
Orthocladius (Symposiocladius) Type 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Orthocladius sp.	-	-	-	-	-	-	-	-	-	-	33	-	-	-	-
Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-	119	-	-
Psectrocladius sp.	89	133	144	193	33	11	67	-	44	44	122	326	741	111	344
Smittia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thienemanniella sp.	11	22	-	-	-	-	-	-	22	-	111	-	148	-	-
Tvetenia bavarica gr.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zalutschia sp.	-	44	22	30	56	-	-	-	-	-	-	-	-	-	-
Chironomini	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chironomus sp.	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-
Cladopelma sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicrotendipes sp.	-	-	-	-	-	-	178	-	-	-	-	-	-	-	-
Endochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microtendipes pedellus gr.	-	-	-	-	-	11	11	-	-	-	-	-	-	-	-
Parachironomus sp.	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-
Phaenopsectra sp.	11	22	78	-	11	-	22	-	-	-	-	-	-	-	-
Polypedilum illinoense gr.	-	11	-	-	-	-	-	-	-	-	-	-	30	-	-
Polypedilum scalaenum gr.	-	-	-	-	11	-	-	-	-	-	-	-	-	-	-
Polypedilum sordens	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-
Polypedilum sp.	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-
Polypedilum tritum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stictochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diamesini *Potthastia longimanus gr.*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Lake	Nanuq Outflow					Counts Outflow					Vulture-Polar				
Sampling Date	2-Sep-24					1-Sep-24					31-Aug-24				
Replicate	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Laboratory Sample ID	7932.42-1	7932.42-2	7932.42-3	7932.42-4	7932.42-5	7932.42-6	7932.42-7	7932.42-8	7932.42-9	7932.42-10	7932.42-11	7932.42-12	7932.42-13	7932.42-14	7932.42-15
Pentaneurini	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-
Ablabesmyia (Ablabesmyia)	11	56	-	-	-	-	-	-	-	22	-	-	-	-	-
Ablabesmyia philosphagnos	-	-	-	-	33	33	100	11	-	22	-	-	-	-	-
Ablabesmyia sp.	-	-	-	-	-	-	-	-	22	-	-	-	-	-	-
Thienemannimyia gr. sp.	-	-	-	207	-	11	-	11	11	-	-	30	30	67	44
Zavrelimyia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Procladiini *Procladius* sp.	-	-	-	-	-	11	67	-	-	-	-	-	-	-	-
Tanytarsini															
Cladotanytarsus sp.	-	-	-	-	-	-	-	-	11	11	22	222	326	111	78
Constempellina sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Micropsectra sp.	-	-	-	-	-	-	11	-	11	-	-	15	-	-	-
Micropsectra/Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paratanytarsus sp.	356	289	178	1,852	300	22	111	-	11	-	44	15	593	67	22
Rheotanytarsus sp.	-	-	-	30	-	-	-	-	11	-	-	-	30	-	-
Tanytarsus sp.	111	367	22	281	400	122	22	33	244	78	33	2,133	444	633	378
Orthocladiinae	11	-	-	-	-	-	-	-	-	122	11	-	-	-	-
Simuliidae	-	-	-	-	-	11	-	-	-	-	22	-	-	-	-
Simulium sp.	-	-	-	-	-	-	-	-	-	-	111	-	59	-	-
Ephemeroptera Ephemerellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ephemerella aurivillii	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Odonata Corduliidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera															
Agabinae	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-
Elmidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nemouridae	-	-	-	74	22	-	-	-	-	-	78	-	59	11	11
Trichoptera															
Brachycentridae	-	-	-	-	-	-	-	-	-	-	-	-	30	-	11
Micrasema sp.	-	-	-	-	-	-	-	-	-	-	67	15	-	-	11
Oxyethira sp.	11	22	-	30	33	-	-	-	-	-	-	-	30	11	-
Limnephilidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molannidae	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-
Oligostomis sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Lake	Nanuq Outflow					Counts Outflow					Vulture-Polar				
Sampling Date	2-Sep-24					1-Sep-24					31-Aug-24				
Replicate	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Laboratory Sample ID	7932.42-1	7932.42-2	7932.42-3	7932.42-4	7932.42-5	7932.42-6	7932.42-7	7932.42-8	7932.42-9	7932.42-10	7932.42-11	7932.42-12	7932.42-13	7932.42-14	7932.42-15
Phryganea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cnidaria *Hydra* sp.	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-
Mollusca															
Bivalvia															
Corbicula sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gastropoda															
Planorbidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gyraulus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valvatoidea *Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nematoda	333	367	44	237	67	589	456	300	756	211	-	489	89	22	11
Nemertea *Prostoma* sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Platyhelminthes Turbellaria	-	-	-	-	11	-	-	-	-	-	-	-	-	-	-
Total Density	**2,022**	**3,678**	**1,044**	**7,141**	**3,056**	**2,933**	**1,867**	**711**	**2,089**	**1,911**	**1,967**	**5,393**	**10,489**	**4,300**	**3,878**

Lake	Northeast Outflow					Moose-Nero					Cujo Outflow				
Sampling Date	31-Aug-24					1-Sep-24					1-Sep-24				
Replicate	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Laboratory Sample ID	7932.42-16	7932.42-17	7932.42-18	7932.42-19	7932.42-20	7932.42-21	7932.42-22	7932.42-23	7932.42-24	7932.42-25	7932.42-26	7932.42-27	7932.42-28	7932.42-29	7932.42-30
Annelida Clitellata															
Enchytraeidae	-	-	11	11	-	-	-	-	-	-	22	-	-	-	-
Lumbriculidae	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-
Naididae	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chaetogaster diastrophus	-	-	-	-	11	67	-	-	100	-	22	44	222	1,333	533
Nais sp.	-	-	-	-	-	11	-	33	33	-	1,178	2,044	2,622	2,578	6,133
Pristina jenkinae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uncinais uncinata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arthropoda															
Chelicerata Acari	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oribatei	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hygrobatidae															
Hygrobates sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lebertiidae															
Lebertia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	89	533
Sperchontidae															
Sperchon sp.	-	-	-	-	-	-	-	-	-	-	-	44	-	-	-
Sperchonopsis sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea															
Copepoda Harpacticoida	178	-	111	-	-	-	22	11	33	222	22	133	44	89	89
Ostracoda	133	-	78	156	11	-	22	-	44	22	-	-	44	622	533
Hexapoda															
Diptera	-	-	-	-	-	-	-	-	-	-	22	-	-	-	89
Empididae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	178
Hemerodromia sp.	-	-	-	-	-	-	-	-	-	-	22	-	-	89	-
Ceratopogonidae Ceratopogoninae	11	-	33	-	-	-	22	-	-	-	-	-	-	-	-
Chironomidae															
Acamptocladius sp.	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-
Corynoneura sp.	100	311	22	67	22	356	233	200	300	367	22	178	89	267	-
Cricotopus bicinctus gr.	-	-	-	-	-	-	-	-	-	-	22	44	89	444	356
Cricotopus sp.	-	89	56	-	11	133	67	-	578	278	622	533	1,778	19,022	7,022
Cricotopus/Orthocladius sp.	11	11	-	-	-	-	-	-	44	467	1,289	133	-	-	356

Lake	Northeast Outflow					Moose-Nero					Cujo Outflow				
Sampling Date	31-Aug-24					1-Sep-24					1-Sep-24				
Replicate	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Laboratory Sample ID	7932.42-16	7932.42-17	7932.42-18	7932.42-19	7932.42-20	7932.42-21	7932.42-22	7932.42-23	7932.42-24	7932.42-25	7932.42-26	7932.42-27	7932.42-28	7932.42-29	7932.42-30
Doncricotopus bicaudatus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eukiefferiella claripennis gr.	-	-	-	-	-	-	-	-	-	-	44	44	-	-	-
Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heterotrissocladius marcidus gr.	-	-	-	-	-	-	467	22	89	700	-	-	-	-	-
Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nanocladius sp.	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-
Orthocladius (Euorthocladius)	-	-	-	-	-	-	56	-	-	-	-	-	-	-	-
Orthocladius (Symposiocladius) annectens	-	-	22	-	-	-	33	144	144	278	-	178	222	89	711
Orthocladius (Symposiocladius) Type 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Orthocladius sp.	-	-	-	-	-	-	-	-	-	-	89	6,489	7,289	7,378	1,333
Parakiefferiella sp.	11	-	-	-	-	11	-	-	-	-	-	-	-	-	-
Psectrocladius sp.	100	100	22	11	-	56	144	11	156	-	-	-	44	622	533
Smittia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thienemanniella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tvetenia bavarica gr.	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-
Zalutschia sp.	67	56	167	22	22	78	-	-	-	-	-	-	-	-	-
Chironomini	-	-	-	-	-	-	22	-	44	-	22	-	-	444	444
Chironomus sp.	111	-	100	22	244	-	-	-	-	-	-	-	-	-	-
Cladopelma sp.	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicrotendipes sp.	-	-	-	-	-	200	322	100	778	367	-	-	-	-	-
Endochironomus sp.	-	-	-	-	-	-	11	-	-	-	44	133	-	-	-
Glyptotendipes sp.	-	-	-	-	256	-	-	-	-	-	111	89	-	-	-
Microtendipes pedellus gr.	11	-	33	11	-	-	-	-	-	-	-	-	-	-	-
Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	111	356	133	178	1,156
Phaenopsectra sp.	11	22	-	56	44	-	-	-	-	-	-	-	-	-	-
Polypedilum illinoense gr.	-	-	-	-	11	-	-	-	-	-	1,889	3,067	1,644	3,111	6,400
Polypedilum scalaenum gr.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polypedilum sordens	-	-	11	-	-	-	-	-	-	-	-	-	-	-	-
Polypedilum sp.	11	11	11	11	-	-	-	-	-	-	-	-	-	-	-
Polypedilum tritum	-	-	89	-	-	-	-	-	-	-	-	-	-	-	-
Stictochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diamesini *Potthastia longimanus gr.*	-	-	-	-	-	-	-	-	-	-	44	-	-	-	-

Lake	Northeast Outflow					Moose-Nero					Cujo Outflow				
Sampling Date	31-Aug-24					1-Sep-24					1-Sep-24				
Replicate	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Laboratory Sample ID	7932.42-16	7932.42-17	7932.42-18	7932.42-19	7932.42-20	7932.42-21	7932.42-22	7932.42-23	7932.42-24	7932.42-25	7932.42-26	7932.42-27	7932.42-28	7932.42-29	7932.42-30
Pentaneurini	-	-	-	-	-	-	122	-	-	-	-	-	-	-	-
Ablabesmyia (Ablabesmyia)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ablabesmyia philosphagnos	56	33	233	133	144	-	11	-	-	-	-	-	-	-	-
Ablabesmyia sp.	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-
Thienemannimyia gr. sp.	-	-	-	-	-	-	256	11	89	478	111	44	44	-	-
Zavrelimyia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Procladiini *Procladius* sp.	22	-	22	-	11	-	-	-	-	-	-	-	-	-	-
Tanytarsini															
Cladotanytarsus sp.	67	11	-	22	-	-	-	-	-	-	-	-	-	-	-
Constempellina sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Micropsectra sp.	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-
Micropsectra/Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paratanytarsus sp.	100	167	722	89	333	667	356	144	489	100	44	44	89	-	-
Rheotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tanytarsus sp.	144	11	111	11	33	11	11	11	22	89	-	-	44	267	89
Orthocladiinae	-	-	-	-	11	-	-	-	33	-	-	-	-	89	444
Simuliidae	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-
Simulium sp.	-	-	-	-	-	22	-	-	-	-	844	133	-	-	-
Ephemeroptera Ephemerellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ephemerella aurivillii	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Odonata Corduliidae	-	-	22	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera															
Agabinae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Elmidae	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nemouridae	11	-	-	11	-	-	11	-	-	67	89	44	-	-	-
Trichoptera															
Brachycentridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Micrasema sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oxyethira sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Limnephilidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molannidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oligostomis sp.	-	-	11	-	-	-	-	-	-	-	-	-	-	-	-

Lake	Northeast Outflow					Moose-Nero					Cujo Outflow				
Sampling Date	31-Aug-24					1-Sep-24					1-Sep-24				
Replicate	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Laboratory Sample ID	7932.42-16	7932.42-17	7932.42-18	7932.42-19	7932.42-20	7932.42-21	7932.42-22	7932.42-23	7932.42-24	7932.42-25	7932.42-26	7932.42-27	7932.42-28	7932.42-29	7932.42-30
Phryganea sp.	-	-	-	-	11	-	-	-	-	-	-	-	-	-	-
Cnidaria *Hydra* sp.	-	-	-	-	-	-	-	-	22	-	511	2,044	578	1,067	356
Mollusca															
Bivalvia															
Corbicula sp.	-	-	11	-	-	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	11	-	-	11	-	-	-	-	-	-	-	-	-	-	-
Gastropoda															
Planorbidae	-	-	-	-	-	22	-	-	-	-	-	-	-	-	-
Gyraulus sp.	-	-	-	-	-	100	-	11	11	-	22	-	133	267	-
Valvatoidea *Valvata* sp.	-	-	-	-	-	33	-	-	-	11	-	-	-	-	-
Nematoda	56	44	467	78	11	-	22	11	-	-	-	44	-	-	178
Nemertea *Prostoma* sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Platyhelminthes Turbellaria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Density	**1,256**	**889**	**2,367**	**744**	**1,189**	**1,789**	**2,211**	**711**	**3,022**	**3,456**	**7,222**	**15,867**	**15,111**	**38,044**	**27,467**

Lake	Horseshoe Outflow					HWL2 Outflow					Ross Outflow				
Sampling Date	30-Aug-24					2-Sep-24					3-Sep-24				
Replicate	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Laboratory Sample ID	7932.42-31	7932.42-32	7932.42-33	7932.42-34	7932.42-35	7932.42-36	7932.42-37	7932.42-38	7932.42-39	7932.42-40	7932.42-41	7932.42-42	7932.42-43	7932.42-44	7932.42-45
Annelida Clitellata															
Enchytraeidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lumbriculidae	-	-	22	-	-	-	-	-	-	44	-	-	-	-	-
Naididae	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chaetogaster diastrophus	11	11	22	33	11	1,522	56	-	-	11	-	356	89	30	-
Nais sp.	11	-	-	-	-	-	-	222	22	1,244	-	-	-	-	-
Pristina jenkinae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uncinais uncinata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arthropoda															
Chelicerata Acari	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oribatei	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hygrobatidae															
Hygrobates sp.	-	-	-	-	-	22	-	-	-	-	133	178	89	15	119
Lebertiidae															
Lebertia sp.	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-
Sperchontidae															
Sperchon sp.	-	-	-	-	-	-	-	-	-	-	133	-	156	104	237
Sperchonopsis sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea															
Copepoda Harpacticoida	33	-	-	11	11	56	67	56	33	22	133	356	67	-	-
Ostracoda	122	-	33	44	-	-	33	11	311	200	89	178	89	15	-
Hexapoda															
Diptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Empididae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemerodromia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ceratopogonidae Ceratopogoninae	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-
Chironomidae															
Acamptocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corynoneura sp.	100	233	11	167	289	-	144	-	11	-	622	4,089	1,444	519	148
Cricotopus bicinctus gr.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cricotopus sp.	11	733	-	422	678	533	289	89	89	44	1,111	1,067	133	415	1,215
Cricotopus/Orthocladius sp.	33	-	22	-	-	-	22	-	22	22	8,133	7,111	3,311	1,822	6,163

Lake	Horseshoe Outflow					HWL2 Outflow					Ross Outflow				
Sampling Date	30-Aug-24					2-Sep-24					3-Sep-24				
Replicate	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Laboratory Sample ID	7932.42-31	7932.42-32	7932.42-33	7932.42-34	7932.42-35	7932.42-36	7932.42-37	7932.42-38	7932.42-39	7932.42-40	7932.42-41	7932.42-42	7932.42-43	7932.42-44	7932.42-45
Doncricotopus bicaudatus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eukiefferiella claripennis gr.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59
Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	15	119
Heterotrissocladius marcidus gr.	-	-	-	-	-	-	-	11	11	-	-	-	-	-	-
Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30
Nanocladius sp.	-	-	-	-	11	-	-	-	-	-	222	711	422	59	30
Orthocladius (Euorthocladius)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Orthocladius (Symposiocladius) annectens	33	-	22	44	-	100	-	-	-	33	711	711	311	44	119
Orthocladius (Symposiocladius) Type 1	-	-	-	-	11	-	-	-	-	-	-	-	-	-	-
Orthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Parakiefferiella sp.	67	-	11	-	-	-	-	-	-	-	1,111	5,511	667	370	148
Psectrocladius sp.	200	178	89	67	289	111	56	22	44	33	-	-	-	-	-
Smittia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-	22	-	-
Thienemanniella sp.	-	-	-	-	-	-	-	-	-	-	178	356	156	15	296
Tvetenia bavarica gr.	-	-	-	-	-	-	-	-	-	-	1,600	-	89	681	89
Zalutschia sp.	78	11	44	89	33	-	89	-	11	-	-	-	-	-	-
Chironomini	-	-	-	-	-	-	-	-	22	-	-	-	-	-	-
Chironomus sp.	56	-	-	67	-	-	33	-	200	44	-	-	-	-	-
Cladopelma sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicrotendipes sp.	-	-	-	-	11	44	89	-	33	-	44	178	-	-	-
Endochironomus sp.	11	11	-	-	22	-	-	-	-	-	-	-	-	-	-
Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microtendipes pedellus gr.	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Parachironomus sp.	-	-	-	-	22	-	-	-	-	-	-	-	-	-	-
Phaenopsectra sp.	-	-	-	22	-	-	-	-	-	-	-	-	-	-	-
Polypedilum illinoense gr.	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polypedilum scalaenum gr.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polypedilum sordens	-	-	-	-	-	-	11	-	11	-	-	-	-	-	-
Polypedilum sp.	-	-	-	11	-	-	-	-	-	22	-	-	-	-	-
Polypedilum tritum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stictochironomus sp.	-	-	11	-	-	-	-	-	-	-	-	-	-	-	-
Diamesini *Potthastia longimanus gr.*	-	-	-	-	-	-	-	-	11	22	-	-	-	-	-

Lake	Horseshoe Outflow					HWL2 Outflow					Ross Outflow				
Sampling Date	30-Aug-24					2-Sep-24					3-Sep-24				
Replicate	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Laboratory Sample ID	7932.42-31	7932.42-32	7932.42-33	7932.42-34	7932.42-35	7932.42-36	7932.42-37	7932.42-38	7932.42-39	7932.42-40	7932.42-41	7932.42-42	7932.42-43	7932.42-44	7932.42-45
Pentaneurini	-	-	-	-	-	11	-	11	-	-	89	1,067	67	59	-
Ablabesmyia (Ablabesmyia)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ablabesmyia philosphagnos	11	11	-	11	56	-	-	-	-	-	-	-	-	-	-
Ablabesmyia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thienemannimyia gr. sp.	-	-	-	-	11	478	144	33	22	11	444	1,067	111	44	119
Zavrelimyia sp.	-	-	-	-	-	11	-	-	-	-	-	711	22	-	-
Procladiini *Procladius* sp.	11	-	33	-	-	-	-	-	-	-	-	-	-	-	-
Tanytarsini															
Cladotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	44	-	-	-	-
Constempellina sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30
Micropsectra sp.	-	-	-	-	-	-	-	-	-	-	-	356	-	-	-
Micropsectra/Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	27,378	956	252	-
Paratanytarsus sp.	356	167	89	156	289	167	1,311	22	222	11	400	3,556	22	148	30
Rheotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tanytarsus sp.	33	-	11	-	22	233	89	56	311	178	711	711	22	-	119
Orthocladiinae	-	-	-	-	-	22	-	-	-	11	89	-	-	-	30
Simuliidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simulium sp.	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-
Ephemeroptera Ephemerellidae	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-
Ephemerella aurivillii	-	-	-	-	-	11	-	-	11	-	-	-	-	-	59
Odonata Corduliidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera															
Agabinae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Elmidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-
Nemouridae	-	-	-	-	11	33	-	-	-	-	-	178	-	-	-
Trichoptera															
Brachycentridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Micrasema sp.	-	-	-	-	-	-	-	-	-	-	-	-	22	-	-
Oxyethira sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Limnephilidae	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-
Molannidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oligostomis sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Lake	Horseshoe Outflow					HWL2 Outflow					Ross Outflow				
Sampling Date	30-Aug-24					2-Sep-24					3-Sep-24				
Replicate	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Laboratory Sample ID	7932.42-31	7932.42-32	7932.42-33	7932.42-34	7932.42-35	7932.42-36	7932.42-37	7932.42-38	7932.42-39	7932.42-40	7932.42-41	7932.42-42	7932.42-43	7932.42-44	7932.42-45
Phryganea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cnidaria *Hydra* sp.	-	-	-	-	-	178	-	-	-	-	-	-	-	-	-
Mollusca															
Bivalvia															
Corbicula sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gastropoda															
Planorbidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gyraulus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valvatoidea *Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nematoda	611	11	222	111	-	44	89	33	44	78	44	-	-	30	59
Nemertea *Prostoma* sp.	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-
Platyhelminthes Turbellaria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Density	**1,856**	**1,367**	**644**	**1,267**	**1,778**	**3,600**	**2,522**	**567**	**1,456**	**2,056**	**16,044**	**55,822**	**8,267**	**4,652**	**9,215**

Lake	Logan Outflow				
Sampling Date	3-Sep-24				
Replicate	1	2	3	4	5
Laboratory Sample ID	7932.42-46	7932.42-47	7932.42-48	7932.42-49	7932.42-50
Annelida Clitellata					
Enchytraeidae	-	-	-	-	-
Lumbriculidae	-	-	-	-	-
Naididae	-	-	-	-	-
Chaetogaster diastrophus	311	33	267	338	133
Nais sp.	-	-	59	142	89
Pristina jenkinae	-	-	-	-	-
Uncinais uncinata	-	-	-	-	-
Arthropoda					
Chelicerata Acari	-	-	-	-	14.81
Oribatei	-	-	-	-	30
Hygrobatidae					
Hygrobates sp.	-	-	-	-	15
Lebertiidae					

Lake	Logan Outflow				
Sampling Date	3-Sep-24				
Replicate	1	2	3	4	5
Laboratory Sample ID	7932.42-46	7932.42-47	7932.42-48	7932.42-49	7932.42-50
Lebertia sp.	-	-	-	71	15
Sperchontidae					
Sperchon sp.	-	-	-	-	15
Sperchonopsis sp.	-	-	-	-	-
Crustacea					
Copepoda Harpacticoida	-	11	-	36	178
Ostracoda	15	-	59	480	385
Hexapoda					
Diptera	-	-	-	-	-
Empididae	-	-	-	-	-
Hemerodromia sp.	-	-	-	-	-
Ceratopogonidae Ceratopogoninae	-	-	-	-	-
Chironomidae					
Acamptocladius sp.	-	-	-	-	-
Corynoneura sp.	993	211	563	231	163
Cricotopus bicinctus gr.	-	-	-	-	-
Cricotopus sp.	2,267	989	6,904	2,098	1,467
Cricotopus/Orthocladius sp.	459	311	504	231	267
Doncricotopus bicaudatus	15	178	178	160	15
Eukiefferiella claripennis gr.	-	-	-	-	-
Eukiefferiella sp.	-	-	267	-	-
Heterotrissocladius marcidus gr.	-	-	-	-	-
Limnophyes sp.	-	-	-	-	-
Nanocladius sp.	489	244	148	551	74
Orthocladius (Euorthocladius)	-	-	-	-	-
Orthocladius (Symposiocladius) annectens	-	-	-	-	44
Orthocladius (Symposiocladius) Type 1	-	-	-	-	-
Orthocladius sp.	-	-	-	-	-
Parakiefferiella sp.	-	-	-	-	-
Psectrocladius sp.	74	-	-	36	59
Smittia sp.	-	-	30	-	-
Synorthocladius sp.	-	-	148	391	15
Thienemanniella sp.	-	-	296	53	30

Lake	Logan Outflow				
Sampling Date	3-Sep-24				
Replicate	1	2	3	4	5
Laboratory Sample ID	7932.42-46	7932.42-47	7932.42-48	7932.42-49	7932.42-50
Tvetenia bavarica gr.	-	-	474	160	44
Zalutschia sp.	15	-	-	-	44
Chironomini	-	-	-	-	-
Chironomus sp.	-	-	-	-	-
Cladopelma sp.	-	-	-	-	-
Dicrotendipes sp.	30	-	89	89	104
Endochironomus sp.	-	-	-	-	15
Glyptotendipes sp.	-	-	-	-	-
Microtendipes pedellus gr.	-	-	-	-	-
Parachironomus sp.	-	-	89	142	44
Phaenopsectra sp.	-	-	-	-	-
Polypedilum illinoense gr.	-	-	-	-	-
Polypedilum scalaenum gr.	-	-	-	-	-
Polypedilum sordens	-	-	-	-	-
Polypedilum sp.	-	-	-	-	-
Polypedilum tritum	-	-	-	-	-
Polypedilum sp.	-	-	-	-	-
Polypedilum tritum	-	-	-	-	-
Stictochironomus sp.	-	-	-	-	-
Diamesini *Potthastia longimanus gr.*	-	-	-	-	-
Pentaneurini	163	111	-	-	193
Ablabesmyia (Ablabesmyia)	-	-	-	-	-
Ablabesmyia philosphagnos	-	-	-	-	-
Ablabesmyia sp.	-	-	-	-	-
Thienemannimyia gr. sp.	-	67	59	-	593
Zavrelimyia sp.	-	-	-	124	59
Procladiini *Procladius* sp.	-	-	-	-	-
Tanytarsini					
Cladotanytarsus sp.	-	-	-	-	-
Constempellina sp.	-	-	-	-	-
Micropsectra sp.	15	-	-	-	44
Micropsectra/Tanytarsus sp.	-	-	-	-	-
Paratanytarsus sp.	148	78	-	196	193
Rheotanytarsus sp.	-	-	148	-	-
Tanytarsus sp.	-	33	30	124	385

Lake	Logan Outflow				
Sampling Date	3-Sep-24				
Replicate	1	2	3	4	5
Laboratory Sample ID	7932.42-46	7932.42-47	7932.42-48	7932.42-49	7932.42-50
Orthocladiinae	-	-	30	53	-
Simuliidae	-	-	30	-	-
Simulium sp.	-	-	30	-	-
Ephemeroptera Ephemerellidae	-	-	-	-	-
Ephemerella aurivillii	-	-	-	-	-
Odonata Corduliidae	-	-	-	-	-
Coleoptera					
Agabinae	-	-	-	-	-
Elmidae	-	-	-	-	-
Plecoptera	-	-	-	18	-
Nemouridae	-	-	-	178	59
Trichoptera					
Brachycentridae	-	-	-	-	-
Micrasema sp.	-	-	30	-	-
Oxyethira sp.	-	-	-	-	-
Limnephilidae	15	-	-	-	-
Molannidae	-	-	-	-	-
Oligostomis sp.	-	-	-	-	-
Phryganea sp.	-	-	-	-	-
Cnidaria *Hydra* sp.	-	11	89	231	-
Mollusca					
Bivalvia					
Corbicula sp.	-	-	-	-	-
Sphaeriidae	-	-	-	-	-
Gastropoda					
Planorbidae	-	-	-	-	-
Gyraulus sp.	-	-	-	-	-
Valvatoidea *Valvata* sp.	30	22	207	18	15
Nematoda	-	-	-	-	44
Nemertea *Prostoma* sp.	-	-	-	-	-
Platyhelminthes Turbellaria	-	-	-	-	-
Total Density	**5,037**	**2,300**	**10,726**	**6,151**	**4,844**

Notes:
Density units are organisms/m².
Dash (-) = no organisms were identified in the indicated taxonomic group; sp. = a qualifier for when a specimen was not able to be identified down to the species level; gr. = group
Area sampled = 0.09 m².
Discrepancies between total densities with Table 3.7-2 are due to rounding.

3.7.1 Stream Benthos QA/QC

Five replicate stream benthos samples were collected from each stream.

Sorting efficiencies of 90% or greater are considered acceptable under the EEM, while sorting efficiencies below 90% require re-sorting (Environment Canada 2012). All stream benthos sorting efficiencies were greater than 90% (Table 3.7-5).

Quality control of taxonomic identifications was assessed on five of the 50 stream samples (Table 3.7-6). QA/QC samples were analysed by two different taxonomists to verify taxonomic accuracy and reproducibility of the processing and analysis. The percent similarities between the original and QC counts were calculated.
The percent similarities between the original and QC counts were all greater than 96%. Discrepancies were discussed between the taxonomists and decisions were incorporated into the final dataset.

Table 3.7-5 Benthos Sorting Efficiency Results for AEMP Stream Samples, 2024

Stream	Replicate	Laboratory Sample ID	Percent Subsampled (%)	Organisms in Subsample (#)	Sorting Efficiency (%)
Nanuq Outflow	1	7932.42-1	100	186	96.49
	2	7932.42-2	100	345	97.15
	3	7932.42-3	100	98	100
	4	7932.42-4	75	507	99.06
	5	7932.42-5	100	288	100
Counts Outflow	1	7932.42-6	100	269	100
	2	7932.42-7	100	178	90.32
	3	7932.42-8	100	65	100
	4	7932.42-9	100	191	95.63
	5	7932.42-10	100	173	100
Vulture-Polar	1	7932.42-11	100	177	97.94
	2	7932.42-12	75	370	100
	3	7932.42-13	37.5	354	99.01
	4	7932.42-14	100	390	100
	5	7932.42-15	100	353	93.80
Northeast Outflow	1	7932.42-16	100	113	100
	2	7932.42-17	100	131	98.82
	3	7932.42-18	100	224	93.72
	4	7932.42-19	100	71	100
	5	7932.42-20	100	118	96.49

Stream	Replicate	Laboratory Sample ID	Percent Subsampled (%)	Organisms in Subsample (#)	Sorting Efficiency (%)
Kodiak-Little	1	7932.42-21	100	164	100
	2	7932.42-22	100	203	97.62
	3	7932.42-23	100	64	100
	4	7932.42-24	100	303	91.75
	5	7932.42-25	100	336	99.04
Moose-Nero	1	7932.42-26	50	329	96.72
	2	7932.42-27	25	360	98.30
	3	7932.42-28	25	340	97.97
	4	7932.42-29	12	430	98.47
	5	7932.42-30	12	310	92.01
Nema-Martine	1	7932.42-31	100	169	97.02
	2	7932.42-32	100	123	100
	3	7932.42-33	100	58	90.32
	4	7932.42-34	100	116	93.23
	5	7932.42-35	100	175	93.59
Slipper-Lac de Gras	1	7932.42-36	100	335	96.51
	2	7932.42-37	100	239	93.07
	3	7932.42-38	100	52	90.32
	4	7932.42-39	100	149	91.30
	5	7932.42-40	100	185	94.31
Cujo Outflow	1	7932.42-41	25	364	98.84
	2	7932.42-42	6.25	319	96.55
	3	7932.42-43	50	373	99
	4	7932.42-44	75	314	92.35
	5	7932.42-45	37.5	311	96.87
Horseshoe Outflow	1	7932.42-46	75	374	100
	2	7932.42-47	100	228	92.89
	3	7932.42-48	37.5	365	91.96
	4	7932.42-49	62.5	361	98.30
	5	7932.42-50	75	343	93.07
HWL2 Outflow	1	7932.42-1	100	186	96.49
	2	7932.42-2	100	345	97.15
	3	7932.42-3	100	98	100
	4	7932.42-4	75	507	99.06
	5	7932.42-5	100	288	100

Stream	Replicate	Laboratory Sample ID	Percent Subsampled (%)	Organisms in Subsample (#)	Sorting Efficiency (%)
Ross Outflow	1	7932.42-6	100	269	100
	2	7932.42-7	100	178	90.32
	3	7932.42-8	100	65	100
	4	7932.42-9	100	191	95.63
	5	7932.42-10	100	173	100
Logan Outflow	1	7932.42-11	100	177	97.94
	2	7932.42-12	75	370	100
	3	7932.42-13	37.5	354	99.01
	4	7932.42-14	100	390	100
	5	7932.42-15	100	353	93.80

Table 3.7-6 Benthos Taxonomy QA/QC Results for AEMP Stream Samples, 2024

Nanuq Outflow, Rep 5, Laboratory Sample ID: 7932.42-5						
Component	Taxa ID	Original Count		QC Count		Relative Abundance Absolute Difference (%)
		Abundance (#)	Percent Total (%)	Abundance (#)	Percent Total (%)	
Chironomidae	*Ablabesmyia philosphagnos*	3	1.1	3	1.0	0.04
	Corynoneura	71	25.4	71	24.6	0.88
	Cricotopus	24	8.6	30	10.4	1.78
	Orthocladius (Symposiocladius) annectens	8	2.9	8	2.8	0.10
	Paratanytarsus	27	9.7	27	9.3	0.33
	Phaenopsectra	1	0.4	1	0.3	0.01
	Polypedilum scalaenum gr.	0	0.0	0	0.0	0.00
	Psectrocladius	3	1.1	3	1.0	0.04
	Tanytarsus	36	12.9	36	12.5	0.45
	Zalutschia	5	1.8	5	1.7	0.06
General	Ceratopogoninae	16	5.7	17	5.9	0.15
	Cladocera	12	4.3	15	5.2	0.89
	Harpacticoida	50	17.9	47	16.3	1.66
	Hemiptera	1	0.4	1	0.3	0.01
	Nematoda	6	2.2	6	2.1	0.07

Nanuq Outflow, Rep 5, Laboratory Sample ID: 7932.42-5						
Component	**Taxa ID**	**Original Count**		**QC Count**		**Relative Abundance Absolute Difference (%)**
		Abundance (#)	**Percent Total (%)**	**Abundance (#)**	**Percent Total (%)**	
	Nemouridae	2	0.7	2	0.7	0.02
	Ostracoda	3	1.1	6	2.1	1.00
	Oxyethira	3	1.1	3	1.0	0.04
	Turbellaria	1	0.4	1	0.3	0.01
Oligochaete	*Chaetogaster diastrophus*	6	2.2	6	2.1	0.07
	Lumbriculidae	1	0.4	1	0.3	0.01
Total		**279**	**100**	**289**	**100**	**8**
Percent Similarity		**96.2**				

Northeast Outflow, Rep 2, Laboratory Sample ID: 7932.42-17						
Component	**Taxa ID**	**Original Count**		**QC Count**		**Relative Abundance Absolute Difference (%)**
		Abundance (#)	**Percent Total (%)**	**Abundance (#)**	**Percent Total (%)**	
Chironomidae	*Ablabesmyia philosphagnos*	3	2.3	3	2.4	0.07
	Acamptocladius	0	0.0	1	0.8	0.80
	Cladotanytarsus	0	0.0	0	0.0	0.00
	Corynoneura	28	21.7	27	21.6	0.11
	Cricotopus	8	6.2	8	6.4	0.20
	Cricotopus/Orthocladius	1	0.8	1	0.8	0.02
	Nanocladius	1	0.8	1	0.8	0.02
	Paratanytarsus	15	11.6	14	11.2	0.43
	Phaenopsectra	2	1.6	2	1.6	0.05
	Polypedilum	1	0.8	1	0.8	0.02
	Psectrocladius	9	7.0	9	7.2	0.22
	Tanytarsus	1	0.8	1	0.8	0.02
	Zalutschia	5	3.9	5	4.0	0.12
General	Calanoida	2	1.6	4	3.2	1.65
	Cladocera	14	10.9	12	9.6	1.25
	Cyclopoida	35	27.1	32	25.6	1.53
	Nematoda	4	3.1	4	3.2	0.10

Northeast Outflow, Rep 2, Laboratory Sample ID: 7932.42-17						
Component	**Taxa ID**	**Original Count**		**QC Count**		**Relative Abundance Absolute Difference (%)**
		Abundance (#)	**Percent Total (%)**	**Abundance (#)**	**Percent Total (%)**	
Total		**129**	**100**	**125**	**100**	**7**
Percent Similarity		**96.7**				

Moose-Nero Stream, Rep 1, Laboratory Sample ID: 7932.42-21						
Component	**Taxa ID**	**Original Count**		**QC Count**		**Relative Abundance Absolute Difference (%)**
		Abundance (#)	**Percent Total (%)**	**Abundance (#)**	**Percent Total (%)**	
Chironomidae	*Corynoneura*	32	19.9	32	19.9	0.00
	Cricotopus	12	7.5	13	8.1	0.62
	Dicrotendipes	16	9.9	19	11.8	1.86
	Micropsectra	0	0.0	1	0.6	0.62
	Parakiefferiella	1	0.6	1	0.6	0.00
	Paratanytarsus	60	37.3	58	36.0	1.24
	Psectrocladius	5	3.1	5	3.1	0.00
	Tanytarsus	1	0.6	1	0.6	0.00
	Zalutschia	7	4.3	6	3.7	0.62
General	Cladocera	1	0.6	1	0.6	0.00
	Cyclopoida	2	1.2	1	0.6	0.62
	Gyraulus	9	5.6	9	5.6	0.00
	Planorbidae	2	1.2	2	1.2	0.00
	Simuliidae	1	0.6	1	0.6	0.00
	Simulium	2	1.2	1	0.6	0.62
	Valvata	3	1.9	3	1.9	0.00
Oligochaete	*Chaetogaster diastrophus*	6	3.7	6	3.7	0.00
	Nais	1	0.6	1	0.6	0.00
Total		**161**	**100**	**161**	**100**	**6**
Percent Similarity		**96.9**				

Horseshoe Outflow, Rep 5, Laboratory Sample ID: 7932.42-35						
Component	**Taxa ID**	**Original Count**		**QC Count**		**Relative Abundance Absolute Difference (%)**
		Abundance (#)	**Percent Total (%)**	**Abundance (#)**	**Percent Total (%)**	
Chironomidae	*Ablabesmyia philosphagnos*	5	2.9	5	2.9	0.05
	Corynoneura	26	15.1	26	14.9	0.26
	Cricotopus	60	34.9	61	34.9	0.03
	Dicrotendipes	1	0.6	1	0.6	0.01
	Endochironomus	2	1.2	2	1.1	0.02
	Nanocladius	1	0.6	1	0.6	0.01
	Orthocladius (Symposiocladius) Type 1	1	0.6	1	0.6	0.01
	Parachironomus	2	1.2	2	1.1	0.02
	Paratanytarsus	26	15.1	25	14.3	0.83
	Psectrocladius	25	14.5	26	14.9	0.32
	Tanytarsus	2	1.2	2	1.1	0.02
	Thienemannimyia gr.	1	0.6	1	0.6	0.01
	Zalutschia	2	1.2	2	1.1	0.02
General	Cyclopoida	13	7.6	15	8.6	1.01
	Diptera	1	0.6	1	0.6	0.01
	Harpacticoida	1	0.6	1	0.6	0.01
	Hymenoptera	1	0.6	1	0.6	0.01
	Nemouridae	1	0.6	1	0.6	0.01
Oligochaete	*Chaetogaster diastrophus*	1	0.6	1	0.6	0.01
Total		**172**	**100**	**175**	**100**	**3**
Percent Similarity		**98.7**				

Ross Outflow, Rep 1, Laboratory Sample ID: 7932.42-41						
Component	**Taxa ID**	**Original Count**		**QC Count**		**Relative Abundance Absolute Difference (%)**
		Abundance (#)	**Percent Total (%)**	**Abundance (#)**	**Percent Total (%)**	
Chironomidae	*Cladotanytarsus*	1	0.3	1	0.3	0.01
	Corynoneura	14	3.8	14	3.9	0.08
	Cricotopus	25	6.9	25	7.0	0.13
	Cricotopus/Orthocladius	183	50.3	183	51.3	0.99
	Dicrotendipes	1	0.3	1	0.3	0.01
	Nanocladius	5	1.4	5	1.4	0.03
	Orthocladiinae	2	0.5	2	0.6	0.01
	Orthocladius (Symposiocladius) annectens	16	4.4	16	4.5	0.09
	Parakiefferiella	25	6.9	20	5.6	1.27
	Paratanytarsus	9	2.5	9	2.5	0.05
	Pentaneurini	2	0.5	2	0.6	0.01
	Tanytarsus	16	4.4	16	4.5	0.09
	Thienemanniella	4	1.1	4	1.1	0.02
	Thienemannimyia gr.	10	2.7	10	2.8	0.05
	Tvetenia bavarica gr.	36	9.9	34	9.5	0.37
General	Cladocera	3	0.8	3	0.8	0.02
	Harpacticoida	3	0.8	3	0.8	0.02
	Hygrobates	3	0.8	3	0.8	0.02
	Nematoda	1	0.3	1	0.3	0.01
	Ostracoda	2	0.5	2	0.6	0.01
	Sperchon	3	0.8	3	0.8	0.02
Total		**364**	**100**	**357**	**100**	**3**
Percent Similarity		**98.4**				

Note:
gr. = group; QC = quality control

3.8 Small-Bodied Fish

Small-bodied fish were sampled in August and September by electrofishing at 14 AEMP lakes. Sampling locations for each lake sampled are presented in Figures 2.2-5 to 2.2-13, 2.2-15, and 2.2-20 to 2.2-23, and sampling dates are presented in Table 3.8-1.

3.8.1 Catch Per Unit Effort

Total electrofishing effort (seconds), catch, and catch per unit effort (CPUE) of each species for each lake is presented in Table 3.8-1.

3.8.2 Length, Weight, Condition, Sex, GSI, LSI, and Parasites

Length, weight, condition, sex, and gonadosomatic index (GSI) and liver somatic index (LSI) data for all fish caught with electrofishing are presented in Table 3.8-2. Length, weight, and condition data are summarized for all fish caught by electrofishing by species in Table 3.8-3.

Parasite data for sacrificed Slimy Sculpin are provided in Table 3.8-4 and summarised in Table 3.8-5. Example photos of infection by Ligula intestinalis are presented in Figure 3.8-1. Sex and maturity categories for sacrificed Slimy Sculpin are summarised in Table 3.8-6. Gonad weights of Slimy Sculpin, separately for each sex, are presented in Table 3.8-7 and representative photos of male and female gonads are shown in Figure 3.8-2. Summary data for GSI and LSI, calculated separately for parasitized and unparasitized Slimy Sculpin of each sex, are provided in Table 3.9-8.

Additional Slimy Sculpin (rather than the target 30) were sacrificed at some lakes as a larger number of fish were required to obtain sample quantities for fish tissue analyses (i.e., Vulture Lake = 35; Kodiak Lake = 43; Leslie Lake = 31; Slipper Lake = 31; Cujo Lake = 31; HWL2 = 31).



Fish 16, Counts Lake, Photo 9435, 13-Aug-2024



Fish 1, Vulture Lake, Photo 9298, 9-Aug-2024



Fish 30, Kodiak Lake, Photo 0403, 4-Sep-2024



Fish 4, Cujo Lake, Photo 1468, 26-Aug-2024



Fish 16, Horseshoe Lake, Photo 508, 7-Sep-2024



Fish 14, Ross Lake, Photo 9769, 19-Aug-2024

Figure 3.8-1 Examples of Slimy Sculpin Showing Signs of Infection by the Parasite *Ligula intestinalis* for AEMP Lakes, 2024



Fish 22, female, Nanuq Lake, Photo 1756, 30-Aug-2024



Fish 12, male, Leslie Lake, Photo 9859, 20-Aug-2024



Fish 25, female, Nema Lake, Photo 0685, 10-Sep-2024



Fish 16, male, Slipper Lake, Photo 9582, 16-Aug-2024



Fish 5, female Logan Lake, Photo 1989, 3-Sep-2024



Fish 11, male, Northeast Lake, Photo 1843, 1-Sep-2024

Figure 3.8-2 Examples of Male and Female Gonads from Slimy Sculpin for AEMP Lakes, 2024

Table 3.8-1 Summary of Electrofishing Data for AEMP Lakes, 2024

Lake	Sampling Dates	Number of Days	Effort (secs)	Voltage (V)	Frequency (Hz)	Number of Fish									CPUE (Number of Fish / 100 seconds)								
						ARGR	BURB	LKCH	LKTR	LNSU	NSST	RDWH	SLSC	Total	ARGR	BURB	LKCH	LKTR	LNSU	NSST	RDWH	SLSC	Total
Nanuq	30-Aug-2024	1	3,379	990	30	0	19	0	1	0	0	0	31	51	0.00	0.56	0.00	0.03	0.00	0.00	0.00	0.92	1.51
Counts	12-Aug-24, 14-Aug-2024	2	5,539	800-900	30-35	0	27	0	0	0	0	0	31	57	0.00	0.49	0.00	0.00	0.00	0.00	0.00	0.56	1.03
Vulture	9-Aug-2024, 10-Aug-2024, 11-Aug-2024, 12-Aug-2024, 14-Aug-2024	5	12,330	800-905	30-35	0	19	0	2	0	0	0	49	70	0.00	0.15	0.00	0.02	0.00	0.00	0.00	0.40	0.57
Northeast	31-Aug-2024, 1-Sept-2024	2	12,955	300-990	30-40	0	27	0	1	0	0	0	41	69	0.00	0.21	0.00	0.01	0.00	0.00	0.00	0.32	0.53
Kodiak	24-Aug-2024, 25-Aug-2024, 4-Sept-2024	3	23,616	350-550	30-35	23	32	3	0	28	0	0	43	129	0.10	0.14	0.01	0.00	0.12	0.00	0.00	0.18	0.55
Leslie	14-Aug-2024, 18-Aug-2024, 20-Aug-2024, 21-Aug-2024	4	7,093	200-225	30	0	9	30	0	1	0	0	31	71	0.00	0.13	0.42	0.00	0.01	0.00	0.00	0.44	1.00
Moose	21-Aug-2024, 23-Aug-2024, 29-Aug-2024	3	7,272	285-370	30-35	3	5	6	5	34	0	0	31	84	0.04	0.07	0.08	0.07	0.47	0.00	0.00	0.43	1.16
Nema	2-Sept-2024, 9-Sept-2024, 10-Sept-2024, 12-Sept-2024	4	24,814	280-540	30	15	27	4	0	7	0	1	33	87	0.06	0.11	0.02	0.00	0.03	0.00	0.00	0.13	0.35
Slipper	15-Aug-2024, 16-Aug-2024, 17-Aug-2024, 18-Aug-2024	4	24,946	360-550	30-35	1	2	70	0	15	101	0	46	235	0.00	0.01	0.28	0.00	0.06	0.40	0.00	0.18	0.94
Cujo	26-Aug-2024, 28-Aug-2024	2	10,937	250-400	25-35	13	1	24	0	0	0	0	35	73	0.12	0.01	0.22	0.00	0.00	0.00	0.00	0.32	0.67
Horseshoe	6-Sept-2024, 7-Sept-2024, 8-Sept-2024	3	9018	342-750	30-35	0	73	0	0	0	0	0	49	122	0.00	0.81	0.00	0.00	0.00	0.00	0.00	0.54	1.35
HWL2	05-Aug-2024, 10-Aug-2024, 11-Aug-2024, 12-Aug-2024	4	9146	750-990	35-50	0	7	0	2	0	6	0	33	48	0.00	0.08	0.00	0.02	0.00	0.07	0.00	0.36	0.52
Ross	19-Aug-2024, 31-Aug-2024, 1-Sept-2024	3	2,553	900-925	35	0	16	0	0	0	0	0	39	55	0.00	0.63	0.00	0.00	0.00	0.00	0.00	1.53	2.15
Logan	03-Sep-2024	1	3,918	990	30-35	0	4	0	0	0	1	0	47	52	0.00	0.10	0.00	0.00	0.00	0.03	0.00	1.20	1.33

Notes:

CPUE = Catch per unit effort; secs = seconds, V = volts, Hz = hertz

Species: ARGR = Arctic Grayling; BURB = Burbot; LKCH = Lake Chub; LKTR = Lake Trout; LNSU = Longnose Sucker; NSST = Ninespine Stickleback; RDWH = Round Whitefish; SLSC = Slimy Sculpin

Table 3.8-2 Biological Data of Electrofished Fish Species for AEMP Lakes, 2024

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
Nanuq	NAN24-SLSC-01	SLSC	30-Aug-2024	76	2.94	5	Y	4	F	3	0.25	0.0844	0.3244	Y	Y	Y	-
	NAN24-SLSC-02	SLSC	30-Aug-2024	77	2.6	5	Y	3	M	3	0.14	0.0566	0.193	Y	Y	Y	-
	NAN24-SLSC-03	SLSC	30-Aug-2024	51	0.7	5	Y	2	M	2	0.04	0.0142	0.059	Y	Y	Y	-
	NAN24-SLSC-04	SLSC	30-Aug-2024	64	1.44	5	Y	2	M	1	0.10	0.0404	0.107	Y	Y	Y	-
	NAN24-SLSC-05	SLSC	30-Aug-2024	47	0.51	5	Y	1	M	1	0.03	0.0072	0.0456	Y	Y	Y	-
	NAN24-SLSC-06	SLSC	30-Aug-2024	50	0.7	5	Y	1	M	2	0.03	0.0082	0.066	Y	Y	Y	-
	NAN24-SLSC-07	SLSC	30-Aug-2024	45	0.43	5	Y	1	U	0	0.02	0.005	0.0264	Y	Y	Y	-
	NAN24-SLSC-08	SLSC	30-Aug-2024	50	0.77	5	Y	1	M	2	0.03	0.0114	0.0528	Y	Y	Y	-
	NAN24-SLSC-09	SLSC	30-Aug-2024	55	0.8	5	Y	2	M	2	0.02	0.0288	0.0588	Y	Y	Y	-
	NAN24-SLSC-10	SLSC	30-Aug-2024	45	0.45	5	Y	1	M	1	0.02	0.0018	0.0152	Y	Y	Y	-
	NAN24-SLSC-11	SLSC	30-Aug-2024	71	1.74	5	Y	3	F	2	0.11	0.0456	0.1186	Y	Y	Y	-
	NAN24-SLSC-12	SLSC	30-Aug-2024	57	0.92	5	Y	2	F	2	0.06	0.0208	0.071	Y	Y	Y	-
	NAN24-SLSC-13	SLSC	30-Aug-2024	51	0.76	5	Y	2	U	0	0.03	0.0024	0.0632	Y	Y	Y	-
	NAN24-SLSC-14	SLSC	30-Aug-2024	44	0.5	5	Y	1	U	0	0.03	0	0.0958	Y	Y	Y	-
	NAN24-SLSC-15	SLSC	30-Aug-2024	71	2.17	5	Y	3	M	3	0.07	0.0686	0.1764	Y	Y	Y	-
	NAN24-SLSC-16	SLSC	30-Aug-2024	73	3.25	5	Y	3	F	3	0.15	0.0646	0.1586	Y	Y	Y	-
	NAN24-SLSC-17	SLSC	30-Aug-2024	88	5.54	5	Y	5	F	3	0.23	0.0852	0.2914	Y	Y	Y	-
	NAN24-SLSC-18	SLSC	30-Aug-2024	95	7.17	5	Y	6	F	3	0.25	0.139	0.2498	Y	Y	Y	-
	NAN24-SLSC-19	SLSC	30-Aug-2024	77	3.28	5	Y	4	F	3	0.12	0.054	0.1748	Y	Y	Y	-
	NAN24-SLSC-20	SLSC	30-Aug-2024	60	1.68	5	Y	3	F	2	0.09	0.0262	0.0626	Y	Y	Y	-
	NAN24-SLSC-21	SLSC	30-Aug-2024	65	2.22	5	Y	3	F	2	0.08	0.03	0.14	Y	Y	Y	-
	NAN24-SLSC-22	SLSC	30-Aug-2024	55	1.34	5	Y	2	M	3	0.05	0.02	0.09	Y	Y	Y	-
	NAN24-SLSC-23	SLSC	30-Aug-2024	71	2.93	5	Y	2	F	2	0.16	0.04	0.20	Y	Y	Y	-
	NAN24-SLSC-24	SLSC	30-Aug-2024	62	2.14	5	Y	2	M	3	0.08	0.02	0.12	Y	Y	Y	-
	NAN24-SLSC-25	SLSC	30-Aug-2024	47	0.71	5	Y	1	U	0	0.02	0.00	0.05	Y	Y	Y	-
	NAN24-SLSC-26	SLSC	30-Aug-2024	49	0.83	5	Y	1	F	1	0.03	0.11	0.06	Y	Y	Y	-
	NAN24-SLSC-27	SLSC	30-Aug-2024	53	1.10	5	Y	2	F	1	0.04	0.01	0.08	Y	Y	Y	-
	NAN24-SLSC-28	SLSC	30-Aug-2024	52	0.98	5	Y	2	M	1	0.03	0.01	0.05	Y	Y	Y	Cysts on liver
	NAN24-SLSC-29	SLSC	30-Aug-2024	51	1.11	5	Y	2	F	1	0.05	0.01	0.06	Y	Y	Y	-
	NAN24-SLSC-30	SLSC	30-Aug-2024	52	0.94	5	Y	2	F	2	0.02	0.00	0.04	Y	Y	Y	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	-	SLSC	30-Aug-2024	28	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	30-Aug-2024	50	0.86	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	30-Aug-2024	56	1.10	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	30-Aug-2024	56	1.00	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	30-Aug-2024	50	0.88	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	30-Aug-2024	47	0.75	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	30-Aug-2024	54	1.06	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	30-Aug-2024	48	0.72	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	30-Aug-2024	53	0.85	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	30-Aug-2024	49	0.84	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	30-Aug-2024	49	0.72	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	30-Aug-2024	53	0.99	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	30-Aug-2024	43	0.52	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	30-Aug-2024	51	0.75	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	30-Aug-2024	43	0.40	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	30-Aug-2024	50	0.79	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	30-Aug-2024	51	0.84	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	30-Aug-2024	52	0.71	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	30-Aug-2024	47	0.83	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	30-Aug-2024	52	0.73	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKTR	30-Aug-2024	53	1.44	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKTR	30-Aug-2024	-	-	-	N	-	-	-	-	-	-	N	N	N	-
Counts	CON24-SLSC-01	SLSC	13-Aug-2024	60	1.96	5	Y	2	U	1	0.0374	0.0108	0.0968	Y	Y	Y	-
	CON24-SLSC-02	SLSC	13-Aug-2024	58	2.08	5	Y	2.5	U	1	0.0298	0.0084	0.1164	Y	Y	Y	-
	CON24-SLSC-03	SLSC	13-Aug-2024	53	1.16	5	Y	2	F	2	0.0452	0.0142	0.0518	Y	Y	Y	-
	CON24-SLSC-04	SLSC	13-Aug-2024	48	0.88	5	Y	2	U	0	0.018	-	0.0832	Y	Y	Y	-
	CON24-SLSC-05	SLSC	13-Aug-2024	56	1.34	5	Y	3	F	1	0.0226	0.0092	0.059	Y	Y	Y	-
	CON24-SLSC-06	SLSC	13-Aug-2024	62	1.85	5	Y	2	F	2	0.0652	0.0258	0.098	Y	Y	Y	-
	CON24-SLSC-07	SLSC	13-Aug-2024	84	4.68	5	Y	4	M	3	0.0769	0.05	0.05	Y	Y	Y	-
	CON24-SLSC-08	SLSC	13-Aug-2024	60	2.27	5	Y	3	M	2	0.049	0.0038	0.1476	Y	Y	Y	-
	CON24-SLSC-09	SLSC	13-Aug-2024	55	1.72	5	Y	3	M	2	0.0336	0.0044	0.1172	Y	Y	Y	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	CON24-SLSC-10	SLSC	13-Aug-2024	59	1.59	5	Y	2	M	2	0.04	0.0056	0.1082	Y	Y	Y	-
	CON24-SLSC-11	SLSC	13-Aug-2024	57	1.4	5	Y	2	F	2	0.0308	0.0064	0.0888	Y	Y	Y	-
	CON24-SLSC-12	SLSC	13-Aug-2024	68	2.4	5	Y	3	U	0	0.0331	-	0.1038	Y	Y	Y	-
	CON24-SLSC-13	SLSC	13-Aug-2024	61	2.15	5	Y	3	F	2	0.0497	0.0136	0.1208	Y	Y	Y	-
	CON24-SLSC-14	SLSC	13-Aug-2024	60	2.15	5	Y	2	U	1	0.0476	0.0074	0.1216	Y	Y	Y	-
	CON24-SLSC-15	SLSC	13-Aug-2024	64	2.02	5	Y	3	F	2	0.0474	0.0238	0.0954	Y	Y	Y	-
	CON24-SLSC-16	SLSC	13-Aug-2024	68	3.18	5	Y	2	M	2	0.0474	0.0062	0.1174	Y	Y	Y	-
	CON24-SLSC-17	SLSC	13-Aug-2024	54	1.3	5	Y	1	M	2	0.03	0.0028	0.0918	Y	Y	Y	-
	CON24-SLSC-18	SLSC	13-Aug-2024	66	2.91	5	Y	3	F	2	0.04	0.0192	0.156	Y	Y	Y	-
	CON24-SLSC-19	SLSC	13-Aug-2024	58	1.56	5	Y	2	M	2	0.04	0.0164	0.099	Y	Y	Y	-
	CON24-SLSC-20	SLSC	13-Aug-2024	54	1.2	5	Y	2	U	1	0.03	0.006	0.0706	Y	Y	Y	-
	CON24-SLSC-21	SLSC	13-Aug-2024	83	5.48	5	Y	4	M	3	0.18	0.0728	0.2798	Y	Y	Y	-
	CON24-SLSC-22	SLSC	14-Aug-2024	48	0.92	5	Y	1	M	2	0.04	0.002	0.061	Y	Y	Y	-
	CON24-SLSC-23	SLSC	14-Aug-2024	70	2.88	5	Y	3	M	2	0.04	0.0124	0.1156	Y	Y	Y	-
	CON24-SLSC-24	SLSC	14-Aug-2024	69	3.09	5	Y	3	F	2	0.15	0.0224	0.1418	Y	Y	Y	-
	CON24-SLSC-25	SLSC	14-Aug-2024	68	2.28	5	Y	2	M	2	0.05	0.012	0.1176	Y	Y	Y	-
	CON24-SLSC-26	SLSC	14-Aug-2024	53	1.23	5	Y	1	M	2	0.03	0.0076	0.0642	Y	Y	Y	-
	CON24-SLSC-27	SLSC	14-Aug-2024	50	1.12	5	Y	2	M	2	0.02	0.01	0.07	Y	Y	Y	-
	CON24-SLSC-28	SLSC	14-Aug-2024	56	1.38	5	Y	3	M	2	0.03	0.01	0.07	Y	Y	Y	-
	CON24-SLSC-29	SLSC	14-Aug-2024	62	1.88	5	Y	2	M	2	0.06	0.03	0.10	Y	Y	Y	-
	CON24-SLSC-30	SLSC	14-Aug-2024	66	2.38	5	Y	2	M	2	0.05	0.04	0.19	Y	Y	Y	-
	-	SLSC	13-Aug-2024	22	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	13-Aug-2024	140	17.35	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	13-Aug-2024	57	1.29	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	13-Aug-2024	60	2.99	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	13-Aug-2024	59	1.47	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	13-Aug-2024	51	2.14	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	13-Aug-2024	123	10.25	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	13-Aug-2024	49	0.89	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	13-Aug-2024	52	0.86	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	13-Aug-2024	45	0.99	-	N	-	-	-	-	-	-	N	N	N	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	-	BURB	13-Aug-2024	51	0.98	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	13-Aug-2024	57	1.71	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	13-Aug-2024	46	0.48	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	13-Aug-2024	58	0.79	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	13-Aug-2024	57	1.30	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	13-Aug-2024	54	0.89	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	13-Aug-2024	54	1.86	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	14-Aug-2024	55	1.21	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	14-Aug-2024	53	1.44	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	14-Aug-2024	57	1.39	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	14-Aug-2024	65	2.32	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	14-Aug-2024	58	1.30	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	14-Aug-2024	56	1.35	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	14-Aug-2024	53	1.35	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	14-Aug-2024	51	0.87	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	14-Aug-2024	51	1.07	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	14-Aug-2024	-	15.44	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	14-Aug-2024	57	1.42	-	N	-	-	-	-	-	-	N	N	N	-
Vulture	VUL24-SLSC-01	SLSC	9-Aug-2024	61	2.09	5	Y	2	F	1	0.06	0.02	0.13	Y	Y	Y	-
	VUL24-SLSC-02	SLSC	9-Aug-2024	49	1.01	5	Y	2	U	0	0.04	0.01	0.09	Y	Y	Y	-
	VUL24-SLSC-03	SLSC	9-Aug-2024	53	1.16	5	Y	2	U	0	0.03	0.01	0.06	Y	Y	Y	-
	VUL24-SLSC-04	SLSC	9-Aug-2024	56	1.42	5	Y	3	F	1	0.04	0.01	0.06	Y	Y	Y	-
	VUL24-SLSC-05	SLSC	9-Aug-2024	59	1.69	5	Y	3	M	1	0.06	0.02	0.11	Y	Y	Y	-
	VUL24-SLSC-06	SLSC	9-Aug-2024	67	2.39	5	Y	3	U	0	0.05	-	0.10	Y	Y	Y	-
	VUL24-SLSC-07	SLSC	9-Aug-2024	51	1.19	5	Y	3	U	0	-	-	0.08	Y	Y	Y	-
	VUL24-SLSC-08	SLSC	10-Aug-2024	75	3.62	5	Y	5	M	2	0.07	0.034	0.2738	Y	Y	Y	-
	VUL24-SLSC-09	SLSC	10-Aug-2024	63	1.85	5	Y	2	M	1	0.052	0.0044	0.1416	Y	Y	Y	-
	VUL24-SLSC-10	SLSC	10-Aug-2024	52	1.08	5	Y	2	M	3	0.0329	0.01	0.04	Y	Y	Y	-
	VUL24-SLSC-11	SLSC	10-Aug-2024	44	0.61	5	Y	2	U	0	0.02	0.00	0.03	Y	Y	Y	-
	VUL24-SLSC-12	SLSC	11-Aug-2024	48	0.88	5	Y	2	F	1	0.02	0.01	0.06	Y	Y	Y	-
	VUL24-SLSC-13	SLSC	11-Aug-2024	53	1.32	5	Y	2	M	1	0.06	0.01	0.81	Y	Y	Y	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	VUL24-SLSC-14	SLSC	11-Aug-2024	48	0.82	5	Y	2	F	1	0.03	0.011	0.0366	Y	Y	Y	-
	VUL24-SLSC-15	SLSC	11-Aug-2024	43	0.6	5	Y	2	U	0	0.016	0.0058	0.0475	Y	Y	Y	-
	VUL24-SLSC-16	SLSC	11-Aug-2024	50	1.05	5	Y	2	F	1	0.0259	0.0176	0.0481	Y	Y	Y	-
	VUL24-SLSC-17	SLSC	09-Aug-2024	46	0.74	6	Y	2	F	2	0.0208	0.0036	0.0388	Y	Y	Y	-
	VUL24-SLSC-18	SLSC	09-Aug-2024	45	0.64	7	Y	2	M	2	0.0286	0.0024	0.0648	Y	Y	Y	-
	VUL24-SLSC-19	SLSC	09-Aug-2024	50	1.65	8	Y	-	F	1	-	0.0113	0.0609	Y	Y	Y	-
	VUL24-SLSC-20	SLSC	09-Aug-2024	46	0.96	9	Y	-	M	2	-	0.011	0.0484	Y	Y	Y	-
	VUL24-SLSC-21	SLSC	09-Aug-2024	43	0.65	10	Y	-	U	1	-	0.0052	0.0314	Y	Y	Y	-
	VUL24-SLSC-22	SLSC	09-Aug-2024	52	1.54	11	Y	2	U	0	0.0454	0	0.064	Y	Y	Y	-
	VUL24-SLSC-23	SLSC	09-Aug-2024	40	0.49	12	Y	-	U	1	-	0.0052	0.0206	Y	Y	Y	-
	VUL24-SLSC-24	SLSC	10-Aug-2024	60	1.94	13	Y	3	F	2	0.0745	0.028	0.0942	Y	Y	Y	-
	VUL24-SLSC-25	SLSC	10-Aug-2024	57	1.55	14	Y	2	F	2	0.0835	0.0225	0.074	Y	Y	Y	-
	VUL24-SLSC-26	SLSC	10-Aug-2024	51	1.03	15	Y	2	F	2	0.0631	0.0115	0.0598	Y	Y	Y	-
	VUL24-SLSC-27	SLSC	10-Aug-2024	47	0.82	16	Y	2	F	2	0.0268	0.0168	0.0496	Y	Y	Y	-
	VUL24-SLSC-28	SLSC	11-Aug-2024	48	0.85	17	Y	1	M	2	0.0291	0.0028	0.0478	Y	Y	Y	-
	VUL24-SLSC-29	SLSC	11-Aug-2024	66	2.3	18	Y	4	F	1	0.0456	0.0184	0.1429	Y	Y	Y	-
	VUL24-SLSC-30	SLSC	11-Aug-2024	48	0.79	19	Y	2	F	2	0.027	0.0104	0.0328	Y	Y	Y	-
	VUL24-SLSC-31	SLSC	11-Aug-2024	57	1.57	20	Y	2	F	2	0.0687	0.019	0.0894	Y	Y	Y	-
	VUL24-SLSC-32	SLSC	11-Aug-2024	55	1.27	21	Y	2	F	2	0.0486	0.0148	0.0504	Y	Y	Y	-
	VUL24-SLSC-33	SLSC	11-Aug-2024	48	0.95	22	Y	2	F	2	0.0244	0.004	0.0454	Y	Y	Y	-
	VUL24-SLSC-34	SLSC	11-Aug-2024	56	1.39	23	Y	2	M	2	0.06	0.0028	0.0608	Y	Y	Y	-
	VUL24-SLSC-35	SLSC	12-Aug-2024	68	2.66	24	Y	-	F	2	0.0356	0.0086	0.1182	Y	Y	Y	-
	-	SLSC	10-Aug-2024	42	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	10-Aug-2024	43	0.62	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	10-Aug-2024	44	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	11-Aug-2024	40	0.6	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	11-Aug-2024	43	0.6	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	11-Aug-2024	37	0.35	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	11-Aug-2024	43	0.55	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	11-Aug-2024	40	0.5	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	12-Aug-2024	41	-	-	N	-	-	-	-	-	-	N	N	N	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	-	SLSC	12-Aug-2024	40	0.57	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	12-Aug-2024	40	0.63	-	N	-	-	-	-	-	-	N	N	N	Too windy, scale malfunction
	-	SLSC	14-Aug-2024	45	1.14	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	14-Aug-2024	40	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	10-Aug-2024	32	-	-	N	-	-	-	-	-	-	N	N	N	Too windy, scale malfunction
	-	BURB	10-Aug-2024	33	-	-	N	-	-	-	-	-	-	N	N	N	Too windy, scale malfunction
	-	BURB	10-Aug-2024	63	1.6	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	10-Aug-2024	33	-	-	N	-	-	-	-	-	-	N	N	N	Too windy, scale malfunction
	-	BURB	11-Aug-2024	34	0.23	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	11-Aug-2024	37	0.3	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	11-Aug-2024	29	0.2	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	12-Aug-2024	29	0.2	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	12-Aug-2024	29	-	-	N	-	-	-	-	-	-	N	N	N	Too windy, scale malfunction
	-	BURB	12-Aug-2024	80	-	-	N	-	-	-	-	-	-	N	N	N	Too windy, scale malfunction
	-	BURB	12-Aug-2024	40	-	-	N	-	-	-	-	-	-	N	N	N	Too windy, scale malfunction
	-	BURB	12-Aug-2024	39	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	12-Aug-2024	30	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	12-Aug-2024	29	0.68	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	12-Aug-2024	32	0.3	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	12-Aug-2024	36	0.54	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	12-Aug-2024	32	0.55	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	14-Aug-2024	34	0.37	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	14-Aug-2024	29	0.18	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKTR	12-Aug-2024	53	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKTR	12-Aug-2024	50	1.68	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKTR	12-Aug-2024	53	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKTR	12-Aug-2024	50	1.68	-	N	-	-	-	-	-	-	N	N	N	-
Northeast	NE24-SLSC-01	SLSC	31-Aug-2024	77	4.05	5	Y	5	F	3	0.10	0.0732	0.168	Y	Y	Y	-
	NE24-SLSC-02	SLSC	31-Aug-2024	76	3.91	5	Y	3	M	3	0.15	0.077	0.2482	Y	Y	Y	-
	NE24-SLSC-03	SLSC	31-Aug-2024	78	3.97	5	Y	3	M	3	0.13	0.062	0.2696	Y	Y	Y	-
	NE24-SLSC-04	SLSC	31-Aug-2024	54	1.38	5	Y	2	M	3	0.04	0.0182	0.0726	Y	Y	Y	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	NE24-SLSC-05	SLSC	31-Aug-2024	39	0.45	5	Y	1	U	0	0.01	0.0008	0.019	Y	Y	Y	-
	NE24-SLSC-06	SLSC	31-Aug-2024	55	1.49	5	Y	2	U	0	0.03	0.0004	0.0906	Y	Y	Y	-
	NE24-SLSC-07	SLSC	31-Aug-2024	49	0.91	5	Y	3	F	1	0.02	0.0088	0.053	Y	Y	Y	-
	NE24-SLSC-08	SLSC	31-Aug-2024	73	3.15	5	Y	4	M	3	0.07	0.0544	0.3308	Y	Y	Y	-
	NE24-SLSC-09	SLSC	01-Sep-2024	83	4.77	5	Y	5	M	3	0.12	0.0558	0.3918	Y	Y	Y	-
	NE24-SLSC-10	SLSC	01-Sep-2024	51	1.37	5	Y	3	F	1	0.02	0.005	0.0602	Y	Y	Y	-
	NE24-SLSC-11	SLSC	01-Sep-2024	61	1.78	5	Y	3	M	3	0.03	0.0262	0.1072	Y	Y	Y	-
	NE24-SLSC-12	SLSC	01-Sep-2024	62	2.02	5	Y	3	F	3	0.12	0.046	0.1628	Y	Y	Y	-
	NE24-SLSC-13	SLSC	01-Sep-2024	66	2.36	5	Y	3	M	3	0.06	0.0342	0.1882	Y	Y	Y	-
	NE24-SLSC-14	SLSC	01-Sep-2024	70	3.41	5	Y	3	U	0	0.09	0.0016	0.1456	Y	Y	Y	-
	NE24-SLSC-15	SLSC	01-Sep-2024	76	3.45	5	Y	4	M	3	0.09	0.0752	0.2147	Y	Y	Y	-
	NE24-SLSC-16	SLSC	01-Sep-2024	72	3.4	5	Y	2	U	0	0.08	0.0038	0.162	Y	Y	Y	-
	NE24-SLSC-17	SLSC	01-Sep-2024	66	2.43	5	Y	2	M	3	0.05	0.0313	0.1381	Y	Y	Y	-
	NE24-SLSC-18	SLSC	01-Sep-2024	71	2.91	5	Y	4	F	3	0.12	0.0488	0.1778	Y	Y	Y	-
	NE24-SLSC-19	SLSC	01-Sep-2024	59	1.73	5	Y	3	F	3	0.04	0.0327	0.0899	Y	Y	Y	-
	NE24-SLSC-20	SLSC	01-Sep-2024	53	1.17	5	Y	2	U	0	0.03	0.0034	0.0528	Y	Y	Y	-
	NE24-SLSC-21	SLSC	01-Sep-2024	48	0.78	5	Y	1	M	2	0.02	0.0053	0.0605	Y	Y	Y	-
	NE24-SLSC-22	SLSC	01-Sep-2024	55	1.36	5	Y	2	F	2	0.04	0.0172	0.0788	Y	Y	Y	-
	NE24-SLSC-23	SLSC	01-Sep-2024	59	1.62	5	Y	1	F	3	0.06	0.0212	0.0964	Y	Y	Y	-
	NE24-SLSC-24	SLSC	01-Sep-2024	48	0.91	5	Y	2	M	1	0.02	0.0044	0.0538	Y	Y	Y	-
	NE24-SLSC-25	SLSC	01-Sep-2024	49	0.98	5	Y	2	M	2	0.03	0.0103	0.0402	Y	Y	Y	Cysts throughout
	NE24-SLSC-26	SLSC	01-Sep-2024	51	1.1	5	Y	1	M	1	0.03	0.0106	0.0574	Y	Y	Y	-
	NE24-SLSC-27	SLSC	01-Sep-2024	48	0.94	5	Y	1	U	0	0.02	-	0.0608	Y	Y	Y	-
	NE24-SLSC-28	SLSC	01-Sep-2024	45	0.75	5	Y	1	M	1	0.03	0.0062	0.0448	Y	Y	Y	-
	NE24-SLSC-29	SLSC	01-Sep-2024	48	0.84	5	Y	2	M	2	0.01	0.0115	0.0636	Y	Y	Y	-
	NE24-SLSC-30	SLSC	1-Sep-2024	46	0.72	5	Y	2	M	1	0.02	0.01	0.04	Y	Y	Y	-
	-	SLSC	31-Aug-2024	25	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	31-Aug-2024	30	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	1-Sep-2024	32	0.30	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	1-Sep-2024	30	0.26	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	1-Sep-2024	26	0.20	-	N	-	-	-	-	-	-	N	N	N	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	-	SLSC	1-Sep-2024	29	0.13	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	1-Sep-2024	26	0.18	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	31-Aug-2024	28	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	31-Aug-2024	29	0.21	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	31-Aug-2024	30	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	31-Aug-2024	31	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	31-Aug-2024	115	7.51	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	31-Aug-2024	78	3.24	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	31-Aug-2024	61	1.45	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	31-Aug-2024	70	1.99	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	31-Aug-2024	53	0.75	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	31-Aug-2024	66	1.63	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	31-Aug-2024	71	2.27	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	31-Aug-2024	53	0.95	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	31-Aug-2024	81	3.55	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	31-Aug-2024	72	2.28	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	31-Aug-2024	79	3.10	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	31-Aug-2024	66	2.22	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	31-Aug-2024	78	2.68	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	31-Aug-2024	64	1.47	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	31-Aug-2024	63	1.84	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	31-Aug-2024	87	4.16	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	31-Aug-2024	62	1.68	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	1-Sep-2024	95	4.75	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	1-Sep-2024	58	1.22	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	1-Sep-2024	66	1.63	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	1-Sep-2024	67	2.15	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	1-Sep-2024	56	1.54	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	1-Sep-2024	59	1.31	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	1-Sep-2024	50	0.94	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	1-Sep-2024	119	8.81	-	N	-	-	-	-	-	-	N	N	N	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	-	BURB	1-Sep-2024	74	3.77	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	1-Sep-2024	60	1.29	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKTR	1-Sep-2024	131	12.38	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKTR	1-Sep-2024	127	12.38	-	N	-	-	-	-	-	-	N	N	N	-
Kodiak	KOD24-SLSC-01	SLSC	24-Aug-2024	76	4.01	5	Y	4	M	2	0.16	0.0326	1.722	Y	Y	Y	-
	KOD24-SLSC-02	SLSC	24-Aug-2024	58	1.51	5	Y	2	M	2	0.05	0.0198	0.059	Y	Y	Y	-
	KOD24-SLSC-03	SLSC	24-Aug-2024	63	2.45	5	Y	3	M	2	0.07	0.02	0.1382	Y	Y	Y	-
	KOD24-SLSC-04	SLSC	24-Aug-2024	66	2.65	5	Y	2	U	0	0.08	0.0236	0.0984	Y	Y	Y	-
	KOD24-SLSC-05	SLSC	24-Aug-2024	84	5.05	5	Y	3	F	1	0.11	0.0278	0.2974	Y	Y	Y	-
	KOD24-SLSC-06	SLSC	24-Aug-2024	81	4.21	5	Y	4	F	2	0.15	0.0408	0.2876	Y	Y	Y	-
	KOD24-SLSC-07	SLSC	24-Aug-2024	60	1.63	5	Y	2	M	3	0.07	0.0252	0.091	Y	Y	Y	-
	KOD24-SLSC-08	SLSC	24-Aug-2024	71	3.47	5	Y	3	U	0	0.09	0.0096	0.1402	Y	Y	Y	-
	KOD24-SLSC-09	SLSC	24-Aug-2024	66	2.7	5	Y	3	U	0	0.03	0	0.1078	Y	Y	Y	-
	KOD24-SLSC-10	SLSC	24-Aug-2024	66	2.48	5	Y	2	F	2	0.04	0.0052	0.131	Y	Y	Y	-
	KOD24-SLSC-11	SLSC	24-Aug-2024	64	2.44	5	Y	2	M	1	0.09	0.0132	0.0966	Y	Y	Y	-
	KOD24-SLSC-12	SLSC	24-Aug-2024	65	2.09	5	Y	3	F	3	0.07	0.0186	0.0886	Y	Y	Y	-
	KOD24-SLSC-13	SLSC	24-Aug-2024	64	1.92	5	Y	2	F	2	0.07	0.025	0.1068	Y	Y	Y	-
	KOD24-SLSC-14	SLSC	24-Aug-2024	52	1.01	5	Y	1	F	2	0.03	0.0052	0.059	Y	Y	Y	-
	KOD24-SLSC-15	SLSC	24-Aug-2024	60	1.59	5	Y	2	M	3	0.03	0.0234	0.0982	Y	Y	Y	-
	KOD24-SLSC-16	SLSC	25-Aug-2024	93	7.57	5	Y	-	F	2	0.19	0.0622	0.5152	N	Y	Y	-
	KOD24-SLSC-17	SLSC	25-Aug-2024	69	2.55	5	Y	-	F	1	0.05	0.0286	0.12	N	Y	Y	-
	KOD24-SLSC-18	SLSC	25-Aug-2024	75	3.34	5	Y	-	M	3	0.06	0.0248	0.1992	N	Y	Y	-
	KOD24-SLSC-19	SLSC	25-Aug-2024	68	2.53	5	Y	-	F	2	0.08	0.04	0.09	N	Y	Y	-
	KOD24-SLSC-20	SLSC	25-Aug-2024	73	3.07	5	Y	-	M	3	0.06	0.03	0.17	N	Y	Y	-
	KOD24-SLSC-21	SLSC	25-Aug-2024	69	3.21	5	Y	-	U	0	0.06	0.00	1.43	N	Y	Y	-
	KOD24-SLSC-22	SLSC	25-Aug-2024	69	3.07	5	Y	-	U	0	0.05	0.00	0.11	N	Y	Y	-
	KOD24-SLSC-23	SLSC	25-Aug-2024	66	2.62	5	Y	-	U	0	0.04	0.00	0.10	N	Y	Y	-
	KOD24-SLSC-24	SLSC	25-Aug-2024	64	2.41	5	Y	-	M	2	0.04	0.01	0.13	N	Y	Y	-
	KOD24-SLSC-25	SLSC	25-Aug-2024	66	2.30	5	Y	-	F	3	0.08	0.04	0.12	N	Y	Y	-
	KOD24-SLSC-26	SLSC	25-Aug-2024	62	2.04	5	Y	-	U	0	0.03	0.00	0.07	N	Y	Y	-
	KOD24-SLSC-27	SLSC	25-Aug-2024	59	1.52	5	Y	-	F	2	0.04	0.02	0.08	N	Y	Y	Multiple tapeworms, no visible gonads

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	KOD24-SLSC-28	SLSC	25-Aug-2024	64	1.80	5	Y	-	F	3	0.05	0.03	0.06	N	Y	Y	-
	KOD24-SLSC-29	SLSC	4-Sep-2024	78	4.11	5	Y	4	M	3	0.10	0.08	0.20	Y	Y	Y	-
	KOD24-SLSC-30	SLSC	4-Sep-2024	52	1.40	5	Y	1	M	1	0.03	0.01	0.08	Y	Y	Y	-
	KOD24-SLSC-31	SLSC	4-Sep-2024	63	2.09	5	Y	2	F	3	0.07	0.05	0.13	Y	Y	Y	-
	KOD24-SLSC-32	SLSC	4-Sep-2024	58	1.99	5	Y	3	F	1	0.02	0.02	0.12	Y	Y	Y	-
	KOD24-SLSC-33	SLSC	4-Sep-2024	66	2.37	5	Y	3	F	2	0.06	0.04	0.13	Y	Y	Y	-
	KOD24-SLSC-34	SLSC	04-Sep-2024	73	3.28	5	Y	3	M	2	0.04	0.0668	0.0915	Y	Y	Y	-
	KOD24-SLSC-35	SLSC	04-Sep-2024	75	3.91	5	Y	3	F	2	0.04	0.0276	0.1739	Y	Y	Y	-
	KOD24-SLSC-36	SLSC	04-Sep-2024	63	2.04	5	Y	3	F	2	0.07	0.0352	0.096	Y	Y	Y	-
	KOD24-SLSC-37	SLSC	04-Sep-2024	88	6.24	5	Y	4	F	1	0.18	0.0168	0.5525	Y	Y	Y	-
	KOD24-SLSC-38	SLSC	04-Sep-2024	58	2.1	5	Y	2	F	1	0.02	0.0118	0.122	Y	Y	Y	-
	KOD24-SLSC-39	SLSC	04-Sep-2024	56	1.46	5	Y	2	F	2	0.03	0.017	0.093	Y	Y	Y	-
	KOD24-SLSC-40	SLSC	04-Sep-2024	56	1.37	5	Y	2	F	2	0.02	0.0172	0.0926	Y	Y	Y	-
	KOD24-SLSC-41	SLSC	04-Sep-2024	63	2.08	5	Y	2	F	3	0.06	0.0368	0.1223	Y	Y	Y	-
	KOD24-SLSC-42	SLSC	04-Sep-2024	65	2.06	5	Y	2	F	3	0.03	0.0306	0.125	Y	Y	Y	-
	KOD24-SLSC-43	SLSC	04-Sep-2024	66	2.49	5	Y	2	F	1		0.0012	0.1355	Y	Y	Y	-
	-	BURB	24-Aug-2024	48	0.85	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	24-Aug-2024	45	0.75	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	24-Aug-2024	58	1.42	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	24-Aug-2024	89	1.22	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	24-Aug-2024	45	0.66	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	24-Aug-2024	57	1.01	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	24-Aug-2024	52	0.95	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	24-Aug-2024	46	0.8	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	24-Aug-2024	52	1.4	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	24-Aug-2024	61	1.34	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	24-Aug-2024	60	1.4	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	24-Aug-2024	180	71.71	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	24-Aug-2024	153	46.7	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	24-Aug-2024	160	39.35	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	24-Aug-2024	59	1.1	-	N	-	-	-	-	-	-	N	N	N	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	-	BURB	24-Aug-2024	50	0.93	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	24-Aug-2024	63	0.73	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	24-Aug-2024	70	2.6	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	25-Aug-2024	115	7.86	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	25-Aug-2024	189	84.69	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	25-Aug-2024	63	1.45	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	25-Aug-2024	158	54.81	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	25-Aug-2024	65	1.52	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	25-Aug-2024	104	12.38	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	25-Aug-2024	52	0.91	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	25-Aug-2024	62	1.51	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	25-Aug-2024	71	2.49	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	25-Aug-2024	57	1.32	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	25-Aug-2024	66	1.91	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	25-Aug-2024	107	13.99	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	25-Aug-2024	60	1.67	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	25-Aug-2024	47	0.95	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	25-Aug-2024	53	1.1	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	25-Aug-2024	38	0.38	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	25-Aug-2024	50	1.33	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	25-Aug-2024	48	1.04	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	25-Aug-2024	72	4.7	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	25-Aug-2024	63	1.68	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	25-Aug-2024	70	1.02	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	25-Aug-2024	145	39.4	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	25-Aug-2024	61	1.53	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	25-Aug-2024	59	1.11	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	25-Aug-2024	31	0.1	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	25-Aug-2024	49	0.98	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	25-Aug-2024	38	0.78	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	25-Aug-2024	67	1.62	-	N	-	-	-	-	-	-	N	N	N	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	-	ARGR	25-Aug-2024	72	2.35	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	25-Aug-2024	46	0.79	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	25-Aug-2024	59	0.78	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	25-Aug-2024	51	1.03	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	25-Aug-2024	52	0.93	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	25-Aug-2024	39	0.18	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	25-Aug-2024	63	1.55	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	25-Aug-2024	69	1.86	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	25-Aug-2024	60	1.2	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	25-Aug-2024	61	1.35	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	25-Aug-2024	54	1.45	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	04-Sep-2024	79	3.59	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	04-Sep-2024	67	2.89	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	04-Sep-2024	53	1.14	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	04-Sep-2024	48	0.71	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	04-Sep-2024	56	1.29	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	04-Sep-2024	112	14.57	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	04-Sep-2024	55	1.53	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	04-Sep-2024	60	2.19	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	04-Sep-2024	58	3.85	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	04-Sep-2024	60	1.71	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	04-Sep-2024	58	6.05	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	04-Sep-2024	52	1.09	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	04-Sep-2024	56	0.82	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	04-Sep-2024	61	1.48	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	04-Sep-2024	44	0.48	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	04-Sep-2024	65	2.23	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	04-Sep-2024	57	0.81	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	04-Sep-2024	69	2.88	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	04-Sep-2024	58	1.19	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	04-Sep-2024	56	1.32	-	N	-	-	-	-	-	-	N	N	N	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	-	LNSU	04-Sep-2024	47	0.97	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	04-Sep-2024	55	1.3	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	04-Sep-2024	39	0.35	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	04-Sep-2024	83	3.93	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	04-Sep-2024	215	113.63	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	04-Sep-2024	165	58.25	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	04-Sep-2024	80	3.75	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	04-Sep-2024	55	0.66	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	04-Sep-2024	85	3.68	-	N	-	-	-	-	-	-	N	N	N	-
Leslie	LES24-SLSC-01	SLSC	14-Aug-2024	64	2.05	5	Y	2	M	2	0.07	0.0308	0.1894	Y	Y	Y	-
	LES24-SLSC-02	SLSC	14-Aug-2024	57	1.91	5	Y	2	U	2	0.07	0.0036	0.1402	Y	Y	Y	-
	LES24-SLSC-03	SLSC	18-Aug-2024	60	1.79	5	Y	2	M	2	0.04	0.021	0.094	Y	Y	Y	-
	LES24-SLSC-04	SLSC	18-Aug-2024	69	2.80	5	Y	2	M	2	0.08	0.04	0.16	Y	Y	Y	-
	LES24-SLSC-05	SLSC	18-Aug-2024	66	3.09	5	Y	3	U	2	0.09	0.00	0.14	Y	Y	Y	-
	LES24-SLSC-06	SLSC	18-Aug-2024	58	1.98	5	Y	3	M	2	0.05	0.0108	0.101	Y	Y	Y	-
	LES24-SLSC-07	SLSC	18-Aug-2024	56	1.41	5	Y	2	M	2	0.04	0.0178	0.0948	Y	Y	Y	Incidental mortality
	LES24-SLSC-08	SLSC	20-Aug-2024	62	2.12	5	Y	2	U	2	0.06	0.0046	0.108	Y	Y	Y	-
	LES24-SLSC-09	SLSC	20-Aug-2024	59	1.06	5	Y	1	M	2	0.03	0.0134	0.069	Y	Y	Y	-
	LES24-SLSC-10	SLSC	20-Aug-2024	57	1.43	5	Y	2	M	2	0.04	0.0178	0.0866	Y	Y	Y	-
	LES24-SLSC-11	SLSC	20-Aug-2024	66	2.21	5	Y	2	F	2	0.09	0.025	0.1162	Y	Y	Y	-
	LES24-SLSC-12	SLSC	20-Aug-2024	67	2.49	5	Y	3	M	2	0.07	0.0394	0.1374	Y	Y	Y	-
	LES24-SLSC-13	SLSC	20-Aug-2024	46	0.87	5	Y	2	U	1	0.02	0.0032	0.0422	Y	Y	Y	-
	LES24-SLSC-14	SLSC	20-Aug-2024	58	1.8	5	Y	2	F	2	0.05	0.0106	0.0632	Y	Y	Y	-
	LES24-SLSC-15	SLSC	20-Aug-2024	55	1.44	5	Y	2	F	2	0.06	0.0156	0.0688	Y	Y	Y	-
	LES24-SLSC-16	SLSC	20-Aug-2024	72	3.19	5	Y	3	F	2	0.11	0.05	0.16	Y	Y	Y	-
	LES24-SLSC-17	SLSC	20-Aug-2024	70	2.94	5	Y	4	F	2	0.12	0.05	0.14	Y	Y	Y	-
	LES24-SLSC-18	SLSC	20-Aug-2024	54	1.23	5	Y	2	F	2	0.04	0.01	0.06	Y	Y	Y	-
	LES24-SLSC-19	SLSC	20-Aug-2024	53	1.25	5	Y	2	M	2	0.05	0.01	0.08	Y	Y	Y	-
	LES24-SLSC-20	SLSC	20-Aug-2024	47	1.12	5	Y	2	U	2	0.04	0.01	0.07	Y	N	Y	-
	LES24-SLSC-21	SLSC	20-Aug-2024	65	2.33	5	Y	3	F	2	0.086	0.0156	0.1462	Y	Y	Y	-
	LES24-SLSC-22	SLSC	21-Aug-2024	55	1.5	5	Y	2	U	2	0.032	0.0098	0.1082	Y	Y	Y	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	LES24-SLSC-23	SLSC	21-Aug-2024	74	3.46	5	Y	4	M	3	0.0916	0.0632	0.1552	Y	Y	Y	-
	LES24-SLSC-24	SLSC	21-Aug-2024	63	2.18	5	Y	2	M	2	0.0518	0.0322	0.1286	Y	Y	Y	-
	LES24-SLSC-25	SLSC	21-Aug-2024	60	1.75	5	Y	2	M	2	0.0576	0.0314	0.0996	Y	Y	Y	-
	LES24-SLSC-26	SLSC	21-Aug-2024	77	3.75	5	Y	4	F	2	0.1616	0.0656	0.1776	Y	Y	Y	-
	LES24-SLSC-27	SLSC	21-Aug-2024	65	2.35	5	Y	3	F	2	0.0894	0.0254	0.1214	Y	Y	Y	-
	LES24-SLSC-28	SLSC	21-Aug-2024	73	3.24	5	Y	5	M	2	0.0888	0.0344	0.2022	Y	Y	Y	-
	LES24-SLSC-29	SLSC	21-Aug-2024	60	2.46	5	Y	2	U	2	0.0344	0.0104	0.1122	Y	Y	Y	-
	LES24-SLSC-30	SLSC	21-Aug-2024	73	3.46	5	Y	4	F	2	0.1236	0.0126	0.1854	Y	Y	Y	-
	LES24-SLSC-31	SLSC	21-Aug-2024	68	2.87	5	Y	-	F	2	0.09	0.0306	0.1192	Y	Y	Y	-
	-	BURB	14-Aug-2024	43	0.76	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	14-Aug-2024	48	0.58	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	14-Aug-2024	42	0.56	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	18-Aug-2024	60	1.58	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	20-Aug-2024	52	0.64	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	20-Aug-2024	65	1.14	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	20-Aug-2024	62	1.19	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	21-Aug-2024	70	2.5	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	18-Aug-2024	33	0.32	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	18-Aug-2024	65	2.22	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	18-Aug-2024	33	0.32	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	18-Aug-2024	30	0.35	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	18-Aug-2024	35	0.33	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	18-Aug-2024	87	5.33	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	18-Aug-2024	36	0.31	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	18-Aug-2024	67	2.25	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	18-Aug-2024	38	0.44	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	20-Aug-2024	37	0.32	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	20-Aug-2024	36	0.28	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	20-Aug-2024	36	0.26	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	20-Aug-2024	34	0.17	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	20-Aug-2024	34	0.15	-	N	-	-	-	-	-	-	N	N	N	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	-	LKCH	20-Aug-2024	35	0.45	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	20-Aug-2024	36	1.41	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	20-Aug-2024	39	0.68	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	20-Aug-2024	34	0.89	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	20-Aug-2024	35	0.54	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	20-Aug-2024	35	0.5	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	20-Aug-2024	33	0.34	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	21-Aug-2024	45	0.49	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	21-Aug-2024	103	13.42	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	18-Aug-2024	36	0.45	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	18-Aug-2024	32	0.39	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	18-Aug-2024	38	0.4	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	18-Aug-2024	36	0.31	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	18-Aug-2024	57	1.28	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	18-Aug-2024	54	1.49	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	18-Aug-2024	35	0.39	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	18-Aug-2024	33	0.33	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	18-Aug-2024	36	0.41	-	N	-	-	-	-	-	-	N	N	N	-
Moose	MOO24-SLSC-01	SLSC	21-Aug-2024	50	0.94	5	Y	2	M	2	0.0304	0.00	0.04	Y	Y	Y	-
	MOO24-SLSC-02	SLSC	21-Aug-2024	54	1.11	5	Y	1	M	2	0.0356	0.00	0.05	Y	Y	Y	-
	MOO24-SLSC-03	SLSC	23-Aug-2024	74	3.16	5	Y	3	M	3	0.0522	0.0336	0.1264	Y	Y	Y	-
	MOO24-SLSC-04	SLSC	23-Aug-2024	75	3.37	5	Y	4	M	2	0.1016	0.0352	0.01466	Y	Y	Y	-
	MOO24-SLSC-05	SLSC	23-Aug-2024	71	2.84	5	Y	4	F	2	0.104	0.0416	0.1146	Y	Y	Y	-
	MOO24-SLSC-06	SLSC	23-Aug-2024	61	1.64	5	Y	2	M	3	0.0406	0.0232	0.0702	Y	Y	Y	-
	MOO24-SLSC-07	SLSC	23-Aug-2024	67	2.3	5	Y	2	M	3	0.1068	0.025	0.01136	Y	Y	Y	-
	MOO24-SLSC-08	SLSC	23-Aug-2024	69	2.37	5	Y	3	F	3	0.0772	0.0304	0.0748	Y	Y	Y	-
	MOO24-SLSC-09	SLSC	23-Aug-2024	47	0.9	5	Y	2	M	1	-	0.0052	0.0394	Y	Y	Y	-
	MOO24-SLSC-10	SLSC	23-Aug-2024	55	1.33	5	Y	2	M	3	0.0342	0.0166	0.0504	Y	Y	Y	-
	MOO24-SLSC-11	SLSC	29-Aug-2024	88	5.96	5	Y	4	F	3	0.302	0.0902	0.2884	Y	Y	Y	-
	MOO24-SLSC-12	SLSC	29-Aug-2024	112	14.36	5	Y	6	F	3	0.7076	0.216	0.6054	Y	Y	Y	-
	MOO24-SLSC-13	SLSC	29-Aug-2024	62	2.07	5	Y	2	M	2	0.0898	0.0306	0.1214	Y	Y	Y	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	MOO24-SLSC-14	SLSC	29-Aug-2024	78	4.1	5	Y	4	F	2		0.0718	0.1112	Y	Y	Y	-
	MOO24-SLSC-15	SLSC	29-Aug-2024	91	6.57	5	Y	4	M	2	0.3406	0.1	0.386	Y	Y	Y	-
	MOO24-SLSC-16	SLSC	29-Aug-2024	61	1.97	5	Y	2	M	2	0.1032	0.0322	0.119	Y	Y	Y	-
	MOO24-SLSC-17	SLSC	29-Aug-2024	55	1.5	5	Y	2	U	0	0.0302	0	0.0714	Y	Y	Y	-
	MOO24-SLSC-18	SLSC	29-Aug-2024	62	1.82	5	Y	2	M	2	0.0418	0.0228	0.093	Y	Y	Y	-
	MOO24-SLSC-19	SLSC	29-Aug-2024	51	1.32	5	Y	1	U	0	0.026	0.003	0.081	Y	Y	Y	-
	MOO24-SLSC-20	SLSC	29-Aug-2024	52	1.28	5	Y	2	U	0	0.0484	0.0058	0.0554	Y	Y	Y	-
	MOO24-SLSC-21	SLSC	29-Aug-2024	56	1.46	5	Y	2	U	0	0.0284	0.0052	0.0602	Y	Y	Y	-
	MOO24-SLSC-22	SLSC	29-Aug-2024	61	1.61	5	Y	2	M	2	0.0396	0.0236	0.122	Y	Y	Y	-
	MOO24-SLSC-23	SLSC	29-Aug-2024	55	1.23	5	Y	2	M	1	0.0416	0.0066	0.0808	Y	Y	Y	-
	MOO24-SLSC-24	SLSC	29-Aug-2024	62	1.88	5	Y	2	M	2	0.0796	0.025	0.1056	Y	Y	Y	-
	MOO24-SLSC-25	SLSC	29-Aug-2024	53	1.29	5	Y	1	U	0	0.0458	0.003	0.0576	Y	Y	Y	-
	MOO24-SLSC-26	SLSC	29-Aug-2024	58	1.66	5	Y	2	M	3	0.0332	0.0156	0.072	Y	Y	Y	-
	MOO24-SLSC-27	SLSC	29-Aug-2024	65	2.13	5	Y	2	M	2	0.0626	0.0312	0.1136	Y	Y	Y	-
	MOO24-SLSC-28	SLSC	29-Aug-2024	54	1.13	5	Y	2	U	0	0.0252	0.0004	0.0712	Y	Y	Y	-
	MOO24-SLSC-29	SLSC	29-Aug-2024	62	1.83	5	Y	2	M	2	0.0508	0.0256	0.1306	Y	Y	Y	-
	MOO24-SLSC-30	SLSC	29-Aug-2024	56	1.44	5	Y	2	U	0	0.091	0.0108	0.091	Y	Y	Y	-
	-	SLSC	29-Aug-2024	28	0.2	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	23-Aug-2024	84	4.08	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	29-Aug-2024	142	22.79	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	29-Aug-2024	152	30.18	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	23-Aug-2024	66	1.5	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	29-Aug-2024	58	2.13	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	29-Aug-2024	58	1.35	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	29-Aug-2024	52	1.27	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	29-Aug-2024	57	1.27	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	23-Aug-2024	67	2.15	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	23-Aug-2024	76	3.2	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	23-Aug-2024	20	0.07	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	23-Aug-2024	66	1.98	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	23-Aug-2024	65	2	-	N	-	-	-	-	-	-	N	N	N	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	-	LKCH	23-Aug-2024	66	2.25	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKTR	23-Aug-2024	171	37.02	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKTR	23-Aug-2024	82	4.05	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKTR	23-Aug-2024	29	0.1	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKTR	23-Aug-2024	24	0.06	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKTR	23-Aug-2024	162	30.51	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	23-Aug-2024	65	1.81	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	23-Aug-2024	64	2.09	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	23-Aug-2024	67	6.55	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	23-Aug-2024	65	1.9	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	23-Aug-2024	81	4.58	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	23-Aug-2024	59	1.82	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	23-Aug-2024	97	7.91	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	23-Aug-2024	84	5.45	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	23-Aug-2024	111	12.01	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	23-Aug-2024	38	0.9	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	23-Aug-2024	36	0.83	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	23-Aug-2024	35	0.56	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	23-Aug-2024	61	1.76	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	23-Aug-2024	90	6.48	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	23-Aug-2024	84	4.76	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	23-Aug-2024	91	4.91	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	23-Aug-2024	83	5.55	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	23-Aug-2024	93	7.9	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	23-Aug-2024	89	6.72	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	23-Aug-2024	94	9.4	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	23-Aug-2024	37	0.32	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	23-Aug-2024	92	7.3	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	29-Aug-2024	73	5.24	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	29-Aug-2024	78	6.11	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	29-Aug-2024	70	6.63	-	N	-	-	-	-	-	-	N	N	N	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	-	LNSU	29-Aug-2024	45	3.64	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	29-Aug-2024	47	3.49	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	29-Aug-2024	71	6.83	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	29-Aug-2024	43	3.21	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	29-Aug-2024	126	22.32	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	29-Aug-2024	46	1.03	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	29-Aug-2024	71	3.35	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	29-Aug-2024	46	0.89	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	29-Aug-2024	42	1.12	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKTR	23-Aug-2024	171	37.02	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKTR	23-Aug-2024	82	4.05	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKTR	23-Aug-2024	29	0.1	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKTR	23-Aug-2024	24	0.06	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKTR	23-Aug-2024	162	30.51	-	N	-	-	-	-	-	-	N	N	N	-
Nema	NEM24-SLSC-01	SLSC	02-Sep-2024	75	3.53	5	Y	3	F	2	0.15	0.0646	0.1428	Y	Y	Y	-
	NEM24-SLSC-02	SLSC	02-Sep-2024	83	4.62	5	Y	3.5	M	3	0.15	0.0658	0.2038	Y	Y	Y	-
	NEM24-SLSC-03	SLSC	02-Sep-2024	101	8.14	5	Y	7	M	2	0.23	0.128	0.7648	Y	Y	Y	-
	NEM24-SLSC-04	SLSC	02-Sep-2024	89	6.23	5	Y	4	M	3	0.16	0.114	0.2506	Y	Y	Y	-
	NEM24-SLSC-05	SLSC	02-Sep-2024	116	11.74	5	Y	8	F	3	0.31	0.2124	0.4788	Y	Y	Y	Incidental mortality
	NEM24-SLSC-06	SLSC	02-Sep-2024	78	-	5	Y	4	M	2	0.11	0.0554	0.2044	Y	Y	Y	-
	NEM24-SLSC-07	SLSC	02-Sep-2024	79	4.67	5	Y	4	U	0	0.14	0.0068	0.2348	Y	Y	Y	-
	NEM24-SLSC-08	SLSC	02-Sep-2024	65	2.08	5	Y	3	F	3	0.08	0.0296	0.1094	Y	Y	Y	-
	NEM24-SLSC-09	SLSC	02-Sep-2024	69	2.71	5	Y	3	F	2	0.08	0.0268	0.1498	Y	Y	Y	-
	NEM24-SLSC-10	SLSC	02-Sep-2024	52	1.19	5	Y	2	M	1	0.03	0.0024	0.0448	Y	Y	Y	-
	NEM24-SLSC-11	SLSC	02-Sep-2024	86	5.08	5	Y	5	F	3	0.17	0.0772	0.2382	Y	Y	Y	-
	NEM24-SLSC-12	SLSC	02-Sep-2024	66	2.66	5	Y	3	F	3	0.13	0.055	0.146	Y	Y	Y	-
	NEM24-SLSC-13	SLSC	02-Sep-2024	55	1.22	5	Y	2	M	1	0.04	0.0104	0.0672	Y	Y	Y	-
	NEM24-SLSC-14	SLSC	02-Sep-2024	54	1.21	5	Y	2	F	3	0.05	0.0176	0.077	Y	Y	Y	-
	NEM24-SLSC-15	SLSC	02-Sep-2024	52	1.05	5	Y	2	F	3	0.04	0.0154	0.062	Y	Y	Y	-
	NEM24-SLSC-16	SLSC	02-Sep-2024	69	2.51	5	Y	4	F	1	0.11	0.0394	0.141	Y	Y	Y	-
	NEM24-SLSC-17	SLSC	02-Sep-2024	74	3.13	5	Y	4	M	3	0.06	0.0624	0.1834	Y	Y	Y	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	NEM24-SLSC-18	SLSC		75	3.78	5	Y	3	F	3	0.21	0.061	0.1386	Y	Y	Y	-
	NEM24-SLSC-19	SLSC	09-Sep-2024	59	1.68	5	Y	3	F	2	0.06	0.0196	0.123	Y	Y	Y	-
	NEM24-SLSC-20	SLSC	09-Sep-2024	70	2.8	5	Y	3	M	2	0.08	0.0564	0.1658	Y	Y	Y	-
	NEM24-SLSC-21	SLSC	09-Sep-2024	56	1.35	5	Y	2	M	3	0.04	0.0216	0.0868	Y	Y	Y	-
	NEM24-SLSC-22	SLSC	10-Sep-2024	61	1.79	5	Y	3	M	2	0.05	0.03	0.1544	Y	Y	Y	-
	NEM24-SLSC-23	SLSC	10-Sep-2024	75	3.96	5	Y	2	F	2	0.14	0.0446	0.1802	Y	Y	Y	-
	NEM24-SLSC-24	SLSC	10-Sep-2024	74	3.42	5	Y	4	F	3	0.12	0.0688	0.1858	Y	Y	Y	-
	NEM24-SLSC-25	SLSC	10-Sep-2024	81	4.27	5	Y	4	F	3	0.18	0.0926	0.2394	Y	Y	Y	-
	NEM24-SLSC-26	SLSC	12-Sep-2024	72	3.53	5	Y	3	F	3	0.16	0.0778	0.2036	Y	Y	Y	-
	NEM24-SLSC-27	SLSC	12-Sep-2024	79	5.04	5	Y	3	M	3	0.19	0.0688	0.2402	Y	Y	Y	-
	NEM24-SLSC-28	SLSC	12-Sep-2024	70	2.86	5	Y	3	F	2	0.04	0.0244	0.122	Y	Y	Y	-
	NEM24-SLSC-29	SLSC	12-Sep-2024	66	2.72	5	Y	3	M	3	0.08	0.058	0.1852	Y	Y	Y	-
	NEM24-SLSC-30	SLSC	12-Sep-2024	41	0.55	5	Y	1	M	1	0.02	-	0.05	Y	Y	Y	-
	-	SLSC	2-Sep-2024	57	1.64	-	N	-	-	-	-	-	-	N	N	N	Incidental mortality
	-	SLSC	12-Sep-2024	38	0.45	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	12-Sep-2024	32	0.24	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	2-Sep-2024	84	3.63	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	2-Sep-2024	90	8.42	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	2-Sep-2024	83	4.77	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	2-Sep-2024	-	-	-	N	-	-	-	-	-	-	N	N	N	Fell out of net, alive
	-	ARGR	2-Sep-2024	-	-	-	N	-	-	-	-	-	-	N	N	N	Gash on fish, incidental mortality
	-	ARGR	2-Sep-2024	80	5.07	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	9-Sep-2024	151	43.21	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	9-Sep-2024	88	6.53	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	12-Sep-2024	78	4.02	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	12-Sep-2024	77	2.81	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	12-Sep-2024	75	3.24	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	12-Sep-2024	78	4.67	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	10-Sep-2024	86	6.19	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	10-Sep-2024	83	5.26	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	10-Sep-2024	82	5.45	-	N	-	-	-	-	-	-	N	N	N	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	-	BURB	2-Sep-2024	70	2.58	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	2-Sep-2024	77	3.53	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	2-Sep-2024	76	5.13	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	2-Sep-2024	72	1.86	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	2-Sep-2024	70	4.61	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	2-Sep-2024	115	15.12	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	2-Sep-2024	67	5.67	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	2-Sep-2024	75	8.05	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	2-Sep-2024	74	5.34	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	2-Sep-2024	72	6.13	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	2-Sep-2024	69	5.52	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	2-Sep-2024	65	2.38	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	2-Sep-2024	71	1.24	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	2-Sep-2024	81	4.12	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	2-Sep-2024	71	1.81	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	9-Sep-2024	68	2.14	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	9-Sep-2024	71	2.19	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	9-Sep-2024	65	1.83	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	12-Sep-2024	83	2.82	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	12-Sep-2024	81	2.92	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	10-Sep-2024	77	2.04	-	N	-	-	-	-	-	-	N	N	N	Healthy
	-	BURB	10-Sep-2024	73	2.11	-	N	-	-	-	-	-	-	N	N	N	Healthy
	-	BURB	10-Sep-2024	71	1.92	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	10-Sep-2024	80	2.57	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	10-Sep-2024	72	2.05	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	10-Sep-2024	74	2.66	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	10-Sep-2024	66	1.63	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	9-Sep-2024	27	0.11	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	9-Sep-2024	33	0.11	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	10-Sep-2024	36	0.35	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	10-Sep-2024	-	-	-	N	-	-	-	-	-	-	N	N	N	Eaten, incidental mortality

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	-	RDWH	2-Sep-2024	93	8.16	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	2-Sep-2024	35	2.67	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	2-Sep-2024	40	4.58	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	2-Sep-2024	33	0.60	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	2-Sep-2024	43	2.10	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	2-Sep-2024	199	85.32	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	2-Sep-2024	34	0.23	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	2-Sep-2024	35	0.32	-	N	-	-	-	-	-	-	N	N	N	-
Slipper	SLP24-SLSC-01	SLSC	15-Aug-2024	53	1.14	5	Y	-	M	2	0.0414	0.0084	0.057	Y	Y	Y	-
	SLP24-SLSC-02	SLSC	15-Aug-2024	79	4.26	5	Y	-	M	3	0.1324	0.0356	0.2872	Y	Y	Y	-
	SLP24-SLSC-03	SLSC	15-Aug-2024	93	6.2	5	Y	-	F	3	0.1784	0.0994	0.3308	Y	Y	Y	-
	SLP24-SLSC-04	SLSC	15-Aug-2024	51	1.1	5	Y	-	M	2	0.0336	0.0074	0.0616	Y	Y	Y	-
	SLP24-SLSC-05	SLSC	15-Aug-2024	61	2.23	5	Y	-	F	2	0.052	0.0074	0.0822	Y	Y	Y	-
	SLP24-SLSC-06	SLSC	15-Aug-2024	70	3.37	5	Y	-	M	2	0.0718	0.015	0.104	Y	Y	Y	-
	SLP24-SLSC-07	SLSC	15-Aug-2024	83	4.35	5	Y	-	M	3	0.087	0.0644	0.1886	Y	Y	Y	-
	SLP24-SLSC-08	SLSC	16-Aug-2024	49	1.05	5	Y	-	F	2	0.036	0.0084	0.0792	Y	Y	Y	-
	SLP24-SLSC-09	SLSC	16-Aug-2024	70	2.59	5	Y	-	M	2	0.0912	0.0386	0.0976	Y	Y	Y	-
	SLP24-SLSC-10	SLSC	16-Aug-2024	48	1.03	5	Y	-	F	2	0.028	0.0078	0.0482	Y	Y	Y	-
	SLP24-SLSC-11	SLSC	16-Aug-2024	74	3.3	5	Y	-	M	3	0.0639	0.0468	0.1494	Y	Y	Y	-
	SLP24-SLSC-12	SLSC	16-Aug-2024	58	1.77	5	Y	-	M	2	0.0742	0.0146	0.1342	Y	Y	Y	-
	SLP24-SLSC-13	SLSC	16-Aug-2024	50	1.42	5	Y	-	M	2	0.0368	0.0058	0.0542	Y	Y	Y	-
	SLP24-SLSC-14	SLSC	16-Aug-2024	68	2.78	5	Y	-	M	3	0.0938	0.0482	0.1308	Y	Y	Y	-
	SLP24-SLSC-15	SLSC	16-Aug-2024	60	1.62	5	Y	-	U	0	0.0706	0.0088	0.084	Y	Y	Y	-
	SLP24-SLSC-16	SLSC	16-Aug-2024	67	2.44	5	Y	-	M	3	0.0884	0.023	0.114	y	y	Y	-
	SLP24-SLSC-17	SLSC	17-Aug-2024	59	1.64	5	Y	-	M	2	0.042	0.0224	0.1048	Y	Y	Y	-
	SLP24-SLSC-18	SLSC	17-Aug-2024	66	2.24	5	Y	-	F	2	0.0654	0.0366	0.115	Y	Y	Y	-
	SLP24-SLSC-19	SLSC	17-Aug-2024	65	2.78	5	Y	-	M	2	0.0502	0.0178	0.113	Y	Y	Y	-
	SLP24-SLSC-20	SLSC	17-Aug-2024	60	1.68	5	Y	-	M	2	0.0556	0.0124	0.0818	Y	Y	Y	-
	SLP24-SLSC-21	SLSC	18-Aug-2024	58	1.88	5	Y	-	M	2	0.0422	0.0168	0.088	Y	Y	Y	-
	SLP24-SLSC-22	SLSC	18-Aug-2024	49	0.92	5	Y	-	F	2	0.035	0.0166	0.0506	Y	Y	Y	-
	SLP24-SLSC-23	SLSC	18-Aug-2024	54	1.66	5	Y	-	U	2	0.0486	0.007	0.0438	Y	Y	Y	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	SLP24-SLSC-24	SLSC	18-Aug-2024	48	0.88	5	Y	-	F	2	0.032	0.0084	0.0448	Y	Y	Y	-
	SLP24-SLSC-25	SLSC	18-Aug-2024	51	1.07	5	Y	-	M	2	0.033	0.0096	0.0526	Y	Y	Y	-
	SLP24-SLSC-26	SLSC	18-Aug-2024	50	1.12	5	Y	-	M	2	0.0594	0.013	0.0632	Y	Y	Y	-
	SLP24-SLSC-27	SLSC	18-Aug-2024	50	1.05	5	Y	-	M	2	0.028	0.0064	0.0506	Y	Y	Y	-
	SLP24-SLSC-28	SLSC	18-Aug-2024	54	1.49	5	Y	-	F	2	0.0414	0.0062	0.0608	Y	Y	Y	-
	SLP24-SLSC-29	SLSC	18-Aug-2024	51	1.06	5	Y	-	F	2	0.0356	0.0146	0.0772	Y	Y	Y	-
	SLP24-SLSC-30	SLSC	18-Aug-2024	49	1.11	5	Y	-	F	2	0.0278	0.0092	0.047	Y	Y	Y	-
	SLP24-SLSC-31	SLSC	18-Aug-2024	47	0.89	5	Y	-	F	2	0.048	0.018	0.0668	Y	Y	Y	-
	-	SLSC	15-Aug-2024	22	-	-	N	-	-	-	-	-	-	N	N	N	Too small to weigh, scale malfunction
	-	SLSC	16-Aug-2024	17	-	-	N	-	-	-	-	-	-	N	N	N	Too small to weigh, scale malfunction
	-	SLSC	16-Aug-2024	25	-	-	N	-	-	-	-	-	-	N	N	N	Too small to weigh, scale malfunction
	-	SLSC	16-Aug-2024	23	0.15	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	17-Aug-2024	26	0.16	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	17-Aug-2024	19	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	17-Aug-2024	24	0.1	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	17-Aug-2024	26	0.23	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	17-Aug-2024	25	0.24	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	17-Aug-2024	18	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	17-Aug-2024	19	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	17-Aug-2024	26	0.22	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	17-Aug-2024	62	1.42	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	16-Aug-2024	68	1.11	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	17-Aug-2024	62	1.27	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	15-Aug-2024	105	12.78	-	N	-	-	-	-	-	-	N	N	N	Fish possibly pregnant
	-	LKCH	15-Aug-2024	25	0.21	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	15-Aug-2024	105	11.25	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	16-Aug-2024	35	0.93	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	16-Aug-2024	33	0.84	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	16-Aug-2024	43	0.98	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	16-Aug-2024	43	0.53	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	16-Aug-2024	31	0.37	-	N	-	-	-	-	-	-	N	N	N	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	-	LKCH	16-Aug-2024	61	0.84	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	16-Aug-2024	34	0.57	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	16-Aug-2024	33	0.13	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	16-Aug-2024	36	0.22	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	16-Aug-2024	38	0.42	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	16-Aug-2024	31	0.25	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	16-Aug-2024	41	0.46	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	16-Aug-2024	52	0.54	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	16-Aug-2024	34	0.19	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	16-Aug-2024	26	0.16	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	16-Aug-2024	54	1.14	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	16-Aug-2024	28	0.21	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	16-Aug-2024	32	0.22	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	16-Aug-2024	33	0.21	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	16-Aug-2024	34	0.22	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	36	0.21	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	31	0.26	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	33	0.33	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	29	0.31	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	34	0.21	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	36	0.24	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	33	0.19	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	30	0.16	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	47	0.98	-	N	-	-	-	-	-	-	N	N	N	Incidental mortality
	-	LKCH	17-Aug-2024	29	0.21	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	30	0.64	-	N	-	-	-	-	-	-	N	N	N	Incidental mortality
	-	LKCH	17-Aug-2024	23	0.12	-	N	-	-	-	-	-	-	N	N	N	Incidental mortality
	-	LKCH	17-Aug-2024	31	0.43	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	36	0.45	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	29	0.16	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	36	0.23	-	N	-	-	-	-	-	-	N	N	N	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	-	LKCH	17-Aug-2024	30	0.2	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	31	0.3	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	33	0.35	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	29	0.28	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	31	0.3	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	33	0.28	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	31	0.41	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	33	0.15	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	30	0.22	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	29	0.24	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	34	0.19	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	23	0.1	-	N	-	-	-	-	-	-	N	N	N	Incidental mortality
	-	LKCH	17-Aug-2024	33	0.3	-	N	-	-	-	-	-	-	N	N	N	Incidental mortality
	-	LKCH	17-Aug-2024	41	0.75	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	28	0.33	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	34	0.37	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	37	0.36	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	35	0.37	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	37	0.44	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	33	0.37	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	34	0.32	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	42	0.62	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	24	0.2	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	34	0.35	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	30	0.13	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	37	0.39	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	45	0.88	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	67	2.43	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	63	2.06	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	34	0.42	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	31	0.41	-	N	-	-	-	-	-	-	N	N	N	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	-	LNSU	16-Aug-2024	61	2.23	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	16-Aug-2024	66	2.22	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	16-Aug-2024	59	0.97	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	16-Aug-2024	38	0.42	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	16-Aug-2024	41	0.46	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	16-Aug-2024	52	0.54	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	16-Aug-2024	42	1.1	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	16-Aug-2024	45	0.36	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	17-Aug-2024	41	0.51	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	17-Aug-2024	43	0.45	-	N	-	-	-	-	-	-	N	N	N	Incidental mortality
	-	LNSU	17-Aug-2024	49	0.61	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	17-Aug-2024	47	0.75	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	17-Aug-2024	40	0.85	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	17-Aug-2024	43	0.81	-	N	-	-	-	-	-	-	N	N	N	-
	-	LNSU	17-Aug-2024	47	0.98	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	17-Aug-2024	33	0.26	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	15-Aug-2024	22	0.1	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	17-Aug-2024	22	0.19	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	17-Aug-2024	22	0.1	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	15-Aug-2024	23	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	15-Aug-2024	23	0.19	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	15-Aug-2024	23	0.16	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	16-Aug-2024	23	0.16	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	17-Aug-2024	23	0.23	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	15-Aug-2024	24	0.21	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	17-Aug-2024	24	0.15	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	17-Aug-2024	24	0.13	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	17-Aug-2024	24	0.19	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	15-Aug-2024	25	0.17	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	16-Aug-2024	25	0.3	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	17-Aug-2024	25	0.19	-	N	-	-	-	-	-	-	N	N	N	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	-	NSST	17-Aug-2024	25	0.1	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	15-Aug-2024	26	0.24	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	16-Aug-2024	26	0.21	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	17-Aug-2024	26	0.22	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	15-Aug-2024	27	0.23	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	15-Aug-2024	27	0.27	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	15-Aug-2024	27	0.13	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	16-Aug-2024	28	0.2	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	17-Aug-2024	28	0.23	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	18-Aug-2024	28	0.14	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	16-Aug-2024	29	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	16-Aug-2024	29	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	16-Aug-2024	29	0.49	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	15-Aug-2024	30	0.42	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	15-Aug-2024	30	0.3	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	15-Aug-2024	30	0.18	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	16-Aug-2024	30	0.21	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	16-Aug-2024	30	0.21	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	17-Aug-2024	30	0.2	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	17-Aug-2024	30	0.28	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	18-Aug-2024	30	0.23	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	15-Aug-2024	31	0.22	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	16-Aug-2024	31	-	-	N	-	-	-	-	-	-	N	N	N	Too small to weigh, scale malfunction
	-	NSST	17-Aug-2024	31	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	17-Aug-2024	31	0.35	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	18-Aug-2024	31	0.27	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	15-Aug-2024	32	0.15	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	16-Aug-2024	32	0.25	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	16-Aug-2024	32	0.31	-	N	-	-	-	-	-	-	N	N	N	Too small to weigh, scale malfunction
	-	NSST	16-Aug-2024	32	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	16-Aug-2024	32	0.45	-	N	-	-	-	-	-	-	N	N	N	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	-	NSST	16-Aug-2024	32	0.38	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	16-Aug-2024	32	0.21	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	16-Aug-2024	32	0.29	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	17-Aug-2024	32	0.24	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	18-Aug-2024	32	0.28	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	15-Aug-2024	33	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	15-Aug-2024	33	0.13	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	16-Aug-2024	33	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	16-Aug-2024	33	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	18-Aug-2024	33	0.39	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	15-Aug-2024	34	0.25	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	16-Aug-2024	34	0.3	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	16-Aug-2024	34	0.64	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	17-Aug-2024	34	0.3	-	N	-	-	-	-	-	-	N	N	N	Incidental mortality
	-	NSST	17-Aug-2024	34	0.34	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	18-Aug-2024	34	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	15-Aug-2024	35	0.23	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	16-Aug-2024	35	0.38	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	16-Aug-2024	35	0.23	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	17-Aug-2024	35	0.28	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	18-Aug-2024	35	0.3	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	18-Aug-2024	35	0.35	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	15-Aug-2024	36	0.53	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	16-Aug-2024	36	0.22	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	16-Aug-2024	36	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	17-Aug-2024	36	0.5	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	18-Aug-2024	36	0.29	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	18-Aug-2024	36	0.18	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	15-Aug-2024	37	0.35	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	15-Aug-2024	37	0.45	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	17-Aug-2024	37	0.29	-	N	-	-	-	-	-	-	N	N	N	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	-	NSST	17-Aug-2024	37	0.33	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	17-Aug-2024	37	0.38	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	18-Aug-2024	37	0.3	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	18-Aug-2024	37	0.23	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	15-Aug-2024	38	0.34	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	16-Aug-2024	39	0.76	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	16-Aug-2024	39	0.28	-	N	-	-	-	-	-	-	N	N	N	Too windy, scale malfunction
	-	NSST	17-Aug-2024	39	0.34	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	18-Aug-2024	39	0.31	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	16-Aug-2024	40	1.1	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	17-Aug-2024	40	0.52	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	16-Aug-2024	41	0.66	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	15-Aug-2024	42	0.44	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	18-Aug-2024	43	0.47	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	18-Aug-2024	43	0.55	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	16-Aug-2024	44	0.45	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	15-Aug-2024	50	0.94	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	15-Aug-2024	51	0.92	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	18-Aug-2024	51	1.63	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	15-Aug-2024	55	0.96	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	16-Aug-2024	56	1.6	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	15-Aug-2024	58	1.66	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	15-Aug-2024	58	1.42	-	N	-	-	-	-	-	-	N	N	N	Parasites
	-	NSST	16-Aug-2024	-	0.32	-	N	-	-	-	-	-	-	N	N	N	-
Cujo	CUJ24-SLSC-01	SLSC	26-Aug-2024	96	9.36	5	Y	4	M	3	0.38	0.199	0.9382	Y	Y	Y	-
	CUJ24-SLSC-02	SLSC	26-Aug-2024	72	3.91	5	Y	2.5	F	1	0.24	0.025	0.2562	Y	Y	Y	-
	CUJ24-SLSC-03	SLSC	26-Aug-2024	73	3.49	5	Y	3	M	3	0.18	0.0602	0.2456	Y	Y	Y	-
	CUJ24-SLSC-04	SLSC	26-Aug-2024	69	4.34	5	Y	2	U	0	0.16	0.003	0.1938	Y	Y	Y	-
	CUJ24-SLSC-05	SLSC	26-Aug-2024	80	4.52	5	Y	3	F	1	0.14	0.0018	0.1766	Y	Y	Y	-
	CUJ24-SLSC-06	SLSC	26-Aug-2024	115	10.71	5	Y	5	M	3	0.36	0.188	0.4362	Y	Y	Y	-
	CUJ24-SLSC-07	SLSC	26-Aug-2024	68	2.92	5	Y	3	F	2	0.07	0.0078	0.1606	Y	Y	Y	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	CUJ24-SLSC-08	SLSC	26-Aug-2024	77	4.03	5	Y	3	M	3	0.15	0.0896	0.2776	Y	Y	Y	-
	CUJ24-SLSC-09	SLSC	26-Aug-2024	67	3.11	5	Y	3	F	2	0.12	0.0112	0.158	Y	Y	Y	-
	CUJ24-SLSC-10	SLSC	26-Aug-2024	54	1.65	5	Y	1	F	2	0.04	0.0108	0.063	Y	Y	Y	-
	CUJ24-SLSC-11	SLSC	28-Aug-2024	68	2.23	5	Y	2	M	3	0.06	0.0408	0.1034	Y	Y	Y	-
	CUJ24-SLSC-12	SLSC	28-Aug-2024	97		5	Y	4	M	3	0.32	0.0646	0.4036	Y	Y	Y	-
	CUJ24-SLSC-13	SLSC	28-Aug-2024	80	4.34	5	Y	3	F	3	0.24	0.0726	0.1892	Y	Y	Y	-
	CUJ24-SLSC-14	SLSC	28-Aug-2024	85	5.23	5	Y	3	M	3	0.15	0.079	0.2838	Y	Y	Y	-
	CUJ24-SLSC-15	SLSC	28-Aug-2024	79	4.88	5	Y	3	U	0	0.12	0.0018	0.2584	Y	Y	Y	-
	CUJ24-SLSC-16	SLSC	28-Aug-2024	75	4.13	5	Y	2	M	1	0.12	0.0024	0.208	Y	Y	Y	-
	CUJ24-SLSC-17	SLSC	28-Aug-2024	74	3.41	5	Y	3	F	1	0.13	0.0216	0.1978	Y	Y	Y	-
	CUJ24-SLSC-18	SLSC	28-Aug-2024	88	6.25	5	Y	3	M	3	0.19	0.1262	0.3816	Y	Y	Y	-
	CUJ24-SLSC-19	SLSC	28-Aug-2024	87	5.96	5	Y	4	U	0	0.23	0.015	0.304	Y	Y	Y	-
	CUJ24-SLSC-20	SLSC	28-Aug-2024	59	1.63	5	Y	1	M	1	0.06	0.0164	0.1248	Y	Y	Y	-
	CUJ24-SLSC-21	SLSC	28-Aug-2024	81	4.95	5	Y	3	M	2	0.21	-	0.2408	Y	Y	Y	-
	CUJ24-SLSC-22	SLSC	28-Aug-2024	67	2.89	5	Y	2	M	2	0.06	0.0138	0.1444	Y	Y	Y	-
	CUJ24-SLSC-23	SLSC	28-Aug-2024	66	2.72	5	Y	3	M	2	0.09	0.0178	0.0946	Y	Y	Y	-
	CUJ24-SLSC-24	SLSC	28-Aug-2024	83	4.9	5	Y	3	F	2	0.19	0.0762	0.373	Y	Y	Y	-
	CUJ24-SLSC-25	SLSC	28-Aug-2024	75	3.78	5	Y	2	M	3	0.11	0.078	0.1792	Y	Y	Y	-
	CUJ24-SLSC-26	SLSC	28-Aug-2024	64	2.28	5	Y	2	F	1	0.03	0.0168	0.0868	Y	Y	Y	-
	CUJ24-SLSC-27	SLSC	28-Aug-2024	70	3.58	5	Y	2	F	1	0.12	0.0344	0.1758	Y	Y	Y	-
	CUJ24-SLSC-28	SLSC	28-Aug-2024	65	2.31	5	Y	2	F	3	0.10	0.0446	0.121	Y	Y	Y	-
	CUJ24-SLSC-29	SLSC	28-Aug-2024	51	1.22	5	Y	2	U	0	0.03	0.0004	0.0564	Y	Y	Y	-
	CUJ24-SLSC-30	SLSC	28-Aug-2024	55	1.33	5	Y	1	F	1	0.02	0.0052	0.0846	Y	Y	Y	-
	CUJ24-SLSC-31	SLSC	28-Aug-2024	50	1.01	5	Y	-	F	1	0.03	0.0106	0.0586	Y	Y	Y	-
	-	SLSC	28-Aug-2024	30	0.21	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	28-Aug-2024	29	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	28-Aug-2024	37	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	28-Aug-2024	37	0.54	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	26-Aug-2024	88	5.32	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	26-Aug-2024	93	6.23	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	26-Aug-2024	38	0.27	-	N	-	-	-	-	-	-	N	N	N	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	-	ARGR	26-Aug-2024	94	5.83	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	26-Aug-2024	34	0.26	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	26-Aug-2024	87	5.25	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	26-Aug-2024	38	0.31	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	26-Aug-2024	89	5.31	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	26-Aug-2024	95	7.21	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	26-Aug-2024	94	6.79	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	26-Aug-2024	89	5.81	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	26-Aug-2024	81	3.42	-	N	-	-	-	-	-	-	N	N	N	-
	-	ARGR	26-Aug-2024	91	5.59	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	28-Aug-2024	140	19.12	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	28-Aug-2024	-	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	26-Aug-2024	40	2.29	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	26-Aug-2024	40	0.41	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	26-Aug-2024	34	0.92	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	26-Aug-2024	123	19.8	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	26-Aug-2024	56	1.61	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	26-Aug-2024	40	0.62	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	26-Aug-2024	39	0.57	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	26-Aug-2024	79	4.12	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	26-Aug-2024	63	2.47	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	26-Aug-2024	99	8.07	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	26-Aug-2024	37	1.17	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	26-Aug-2024	74	3.16	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	26-Aug-2024	71	4.25	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	26-Aug-2024	87	7.72	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	26-Aug-2024	43	2.15	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	26-Aug-2024	71	4.6	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	26-Aug-2024	40	1.97	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	26-Aug-2024	41	1.71	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	26-Aug-2024	32	0.63	-	N	-	-	-	-	-	-	N	N	N	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	-	LKCH	26-Aug-2024	37	0.89	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	26-Aug-2024	73	3.39	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	26-Aug-2024	75	3.51	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	26-Aug-2024	75	3.57	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKCH	26-Aug-2024	42	0.97	-	N	-	-	-	-	-	-	N	N	N	-
Horseshoe	HOS24-SLSC-01	SLSC	06-Sep-2024	62	2.37	5	Y	3	M	2	0.08	0.049	0.2248	Y	Y	Y	-
	HOS24-SLSC-02	SLSC	06-Sep-2024	37	0.4	5	Y	1	U	0	0.02	-	0.0406	Y	Y	Y	-
	HOS24-SLSC-03	SLSC	06-Sep-2024	59	1.75	5	Y	2	F	1	0.08	0.028	0.01592	Y	Y	Y	-
	HOS24-SLSC-04	SLSC	06-Sep-2024	73	3.44	5	Y	2	U	0	0.10	-	0.2432	Y	Y	Y	-
	HOS24-SLSC-05	SLSC	06-Sep-2024	82	5.55	5	Y	3	M	1	0.18	0.0142	0.283	Y	Y	Y	S-curve spine
	HOS24-SLSC-06	SLSC	06-Sep-2024	71	2.94	5	Y	3	M	3	0.08	0.0535	0.1842	Y	Y	Y	-
	HOS24-SLSC-07	SLSC	06-Sep-2024	58	1.84	5	Y	1	M	3	0.07	0.0284	0.1538	Y	Y	Y	-
	HOS24-SLSC-08	SLSC	06-Sep-2024	83	5.18	5	Y	3	F	2	0.21	0.0434	0.2948	Y	Y	Y	-
	HOS24-SLSC-09	SLSC	06-Sep-2024	80	4.68	5	Y	4	M	3	0.20	0.0788	0.3708	Y	Y	Y	-
	HOS24-SLSC-10	SLSC	06-Sep-2024	65	2.42	5	Y	2	M	3	0.09	0.0352	0.171	Y	Y	Y	-
	HOS24-SLSC-11	SLSC	06-Sep-2024	61	2.25	5	Y	1	M	3	0.06	0.0282	0.1684	Y	Y	Y	-
	HOS24-SLSC-12	SLSC	07-Sep-2024	77	4.1	5	Y	3	F	3	0.17	0.08	0.2538	Y	Y	Y	-
	HOS24-SLSC-13	SLSC	07-Sep-2024	69	3.34	5	Y	2	U	0	0.05	-	0.2322	Y	Y	Y	-
	HOS24-SLSC-14	SLSC	07-Sep-2024	71	3.09	5	Y	2	F	3	0.13	0.0598	0.199	Y	Y	Y	-
	HOS24-SLSC-15	SLSC	07-Sep-2024	56	1.83	5	Y	2	U	0	0.05	-	0.107	Y	Y	Y	-
	HOS24-SLSC-16	SLSC	07-Sep-2024	67	2.87	5	Y	1	U	0	0.07	-	0.1678	Y	Y	Y	-
	HOS24-SLSC-17	SLSC	07-Sep-2024	58	1.64	5	Y	1	U	0	0.04	-	0.1436	Y	Y	Y	-
	HOS24-SLSC-18	SLSC	07-Sep-2024	93	7.87	5	Y	5	M	3	0.39	0.1448	0.837	Y	Y	Y	-
	HOS24-SLSC-19	SLSC	07-Sep-2024	82	4.87	5	Y	3	M	3	0.21	0.0942	0.3472	Y	Y	Y	-
	HOS24-SLSC-20	SLSC	07-Sep-2024	75	3.86	5	Y	2	M	3	0.10	0.0964	0.2712	Y	Y	Y	-
	HOS24-SLSC-21	SLSC	07-Sep-2024	69	2.38	5	Y	3	F	2	0.08	0.0564	0.122	Y	Y	Y	-
	HOS24-SLSC-22	SLSC	07-Sep-2024	94	7.54	5	Y	3	M	3	0.30	0.121	0.655	Y	Y	Y	-
	HOS24-SLSC-23	SLSC	07-Sep-2024	79	4.19	5	Y	4	F	3	0.14	0.0804	0.2156	Y	Y	Y	-
	HOS24-SLSC-24	SLSC	07-Sep-2024	78	4.08	5	Y	4	F	3	0.18	0.0848	0.2814	Y	Y	Y	-
	HOS24-SLSC-25	SLSC	08-Sep-2024	95	7.25	5	Y	5	F	3	0.39	0.1678	0.4166	y	y	Y	-
	HOS24-SLSC-26	SLSC	08-Sep-2024	78	3.77	5	Y	3	F	3	0.13	0.0646	0.2026	y	y	Y	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	HOS24-SLSC-27	SLSC	08-Sep-2024	64	2.81	5	Y	2	U	0	0.04	0.0094	0.1368	y	y	Y	-
	HOS24-SLSC-28	SLSC	08-Sep-2024	61	2.12	5	Y	2	F	3	0.05	0.0364	0.1532	y	y	Y	-
	HOS24-SLSC-29	SLSC	8-Sep-2024	36	0.35	5	Y	1	U	1	0.01	0.00	0.02	Y	Y	Y	-
	HOS24-SLSC-30	SLSC	8-Sep-2024	38	0.45	5	Y	1	U	1	0.02	0.00	0.01	Y	Y	Y	-
	-	SLSC	6-Sep-2024	34	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	6-Sep-2024	34	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	6-Sep-2024	-	-	-	N	-	-	-	-	-	-	N	N	N	Eaten by other fish in bucket, incidental mort.
	-	SLSC	7-Sep-2024	37	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	7-Sep-2024	31	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	7-Sep-2024	33	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	7-Sep-2024	32	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	7-Sep-2024	36	-	-	N	-	-	-	-	-	-	N	N	N	Incidental mortality
	-	SLSC	8-Sep-2024	34	0.49	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	8-Sep-2024	36	0.46		N							N	N	N	-
	-	SLSC	8-Sep-2024	32	0.21	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	8-Sep-2024	35	0.44	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	8-Sep-2024	32	0.30	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	8-Sep-2024	33	0.26	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	8-Sep-2024	31	0.24	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	8-Sep-2024	35	0.34	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	8-Sep-2024	30	0.22	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	8-Sep-2024	35	0.24	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	8-Sep-2024	32	0.20	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	6-Sep-2024	69	1.78	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	6-Sep-2024	74	2.49	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	6-Sep-2024	69	1.85	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	6-Sep-2024	68	1.74	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	6-Sep-2024	55	1.26	-	N	-	-	-	-	-	-	N	N	N	S-curve spine
	-	BURB	6-Sep-2024	73	1.88	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	6-Sep-2024	64	1.56	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	6-Sep-2024	70	2.28	-	N	-	-	-	-	-	-	N	N	N	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	-	BURB	6-Sep-2024	72	2.01	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	6-Sep-2024	64	1.35	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	6-Sep-2024	75	2.33	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	6-Sep-2024	72	2.35	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	6-Sep-2024	72	2.19	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	6-Sep-2024	82	3.51	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	6-Sep-2024	62	1.61	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	6-Sep-2024	70	2.15	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	6-Sep-2024	71	1.98	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	6-Sep-2024	64	1.60	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	6-Sep-2024	76	2.83	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	6-Sep-2024	59	1.14	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	6-Sep-2024	66	2.00	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	6-Sep-2024	70	2.49	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	6-Sep-2024	71	2.44	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	6-Sep-2024	66	1.77	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	6-Sep-2024	81	3.30	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	6-Sep-2024	81	3.34	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	6-Sep-2024	58	1.21	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	6-Sep-2024	76	2.11	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	7-Sep-2024	76	3.05	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	7-Sep-2024	70	2.04	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	7-Sep-2024	77	3.32	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	7-Sep-2024	81	3.84	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	7-Sep-2024	85	4.63	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	7-Sep-2024	83	5.23	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	7-Sep-2024	69	3.64	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	7-Sep-2024	71	3.37	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	7-Sep-2024	74	3.60	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	7-Sep-2024	89	6.11	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	7-Sep-2024	81	6.24	-	N	-	-	-	-	-	-	N	N	N	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	-	BURB	7-Sep-2024	68	3.72	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	7-Sep-2024	81	6.14	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	7-Sep-2024	139	20.50	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	7-Sep-2024	60	1.16	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	7-Sep-2024	53	1.28	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	7-Sep-2024	71	1.77	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	7-Sep-2024	74	2.39	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	7-Sep-2024	67	1.78	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	7-Sep-2024	59	1.30	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	8-Sep-2024	73	2.73	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	8-Sep-2024	64	1.43	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	8-Sep-2024	59	1.24	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	8-Sep-2024	54	0.71	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	8-Sep-2024	73	2.16	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	8-Sep-2024	76	2.14	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	8-Sep-2024	79	2.85	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	8-Sep-2024	74	2.44	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	8-Sep-2024	53	0.89	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	8-Sep-2024	82	3.03	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	8-Sep-2024	80	3.06	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	8-Sep-2024	61	1.15	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	8-Sep-2024	69	1.94	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	8-Sep-2024	69	2.06	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	8-Sep-2024	72	1.84	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	8-Sep-2024	84	3.30	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	8-Sep-2024	79	3.27	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	8-Sep-2024	70	2.27	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	8-Sep-2024	73	2.05	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	8-Sep-2024	76	2.78	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	8-Sep-2024	81	3.41	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	8-Sep-2024	71	2.62	-	N	-	-	-	-	-	-	N	N	N	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	-	BURB	8-Sep-2024	63	1.85	-	N	-	-	-	-	-	-	N	N	N	S-curve spine
	-	BURB	8-Sep-2024	64	1.93	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	8-Sep-2024	57	0.91	-	N	-	-	-	-	-	-	N	N	N	-
HWL2	HW224-SLSC-01	SLSC	05-Aug-2024	95	4.88	5	Y	2	U	1	0.04	0.0036	0.0784	Y	Y	Y	Small burn from backpack electrofishing unit
	HW224-SLSC-02	SLSC	05-Aug-2024	55	0.98	5	Y	3	F	3	-	-	0.1922	Y	Y	Y	-
	HW224-SLSC-03	SLSC	5-Aug-2024	55	1.43	5	Y	1	U	0	0.02	0.01	0.06	Y	Y	Y	-
	HW224-SLSC-04	SLSC	5-Aug-2024	49	1.04	5	Y	2	M	2	0.10	0.02	0.11	Y	Y	Y	-
	HW224-SLSC-05	SLSC	5-Aug-2024	63	2.29	5	Y	2	M	1	0.06	0.00	0.14	Y	Y	Y	-
	HW224-SLSC-06	SLSC	5-Aug-2024	68	2.55	5	Y	2	U	1	0.02	0.01	0.05	Y	Y	Y	-
	HW224-SLSC-07	SLSC	05-Aug-2024	47	1.07	5	Y	2	M	3	0.04	0.03	0.10	Y	Y	Y	-
	HW224-SLSC-08	SLSC	10-Aug-2024	44	4.66	5	Y	2	U	2	0.05	0.01	0.12	Y	Y	Y	-
	HW224-SLSC-09	SLSC	10-Aug-2024	60	1.83	5	Y	1	U	1	0.02	0.00	0.05	Y	Y	Y	-
	HW224-SLSC-10	SLSC	10-Aug-2024	61	2.09	5	Y	1	U	1	0.02	0.00	0.04	Y	Y	Y	-
	HW224-SLSC-11	SLSC	10-Aug-2024	45	0.69	5	Y	6	M	3	0.10	0.07	0.38	Y	Y	Y	-
	HW224-SLSC-12	SLSC	10-Aug-2024	51	1.03	5	Y	2	U	0	0.04	0.00	0.08	Y	Y	Y	-
	HW224-SLSC-13	SLSC	10-Aug-2024	82	4.58	5	Y	2	F	2	0.04	0.01	0.09	Y	Y	Y	-
	HW224-SLSC-14	SLSC	10-Aug-2024	59	1.91	5	Y	3	U	0	0.05	0.01	0.15	Y	Y	Y	-
	HW224-SLSC-15	SLSC	10-Aug-2024	53	1.45	5	Y	1	U	0	0.05	0.00	0.03	Y	Y	Y	-
	HW224-SLSC-16	SLSC	10-Aug-2024	70	3.07	5	Y	3	F	2	0.07	0.02	0.17	Y	Y	Y	-
	HW224-SLSC-17	SLSC	10-Aug-2024	44	0.75	5	Y	2	M	2	0.03	-	0.07	Y	Y	Y	-
	HW224-SLSC-18	SLSC	10-Aug-2024	47	-	5	Y	2	F	3	0.05	0.0207	0.0863	Y	Y	Y	Found dead, not shocked
	HW224-SLSC-19	SLSC	11-Aug-2024	55	2.09	5	Y	1	M	2	0.03	0.021	0.0564	Y	Y	Y	-
	HW224-SLSC-20	SLSC	11-Aug-2024	46	0.93	5	Y	1	U	0	0.03	0.0041	0.0504	Y	Y	Y	-
	HW224-SLSC-21	SLSC	11-Aug-2024	43	1.23	5	Y	1	M	2	0.03	0.0024	0.0518	Y	Y	Y	-
	HW224-SLSC-22	SLSC	11-Aug-2024	47	1.35	5	Y	1	F	2	0.04	0.0097	0.069	Y	Y	Y	-
	HW224-SLSC-23	SLSC	11-Aug-2024	45	0.56	5	Y	1	M	2	0.03	0.0154	0.0536	Y	Y	Y	-
	HW224-SLSC-24	SLSC	11-Aug-2024	56	2.16	5	Y	1	U	0	0.04	0.0064	0.055	Y	Y	Y	-
	HW224-SLSC-25	SLSC	11-Aug-2024	57	2.2	5	Y	2	M	2	0.04	0.0036	0.055	Y	Y	Y	-
	HW224-SLSC-26	SLSC	11-Aug-2024	56	2.16	5	Y	1	F	2	0.03	0.0037	0.0405	Y	Y	Y	-
	HW224-SLSC-27	SLSC	11-Aug-2024	57	2.2	5	Y	2	M	2	0.05	0.0174	0.0838	Y	Y	Y	-
	HW224-SLSC-28	SLSC	11-Aug-2024	32	0.27	5	Y	2	M	1	0.02	-	0.0404	Y	Y	Y	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	HW224-SLSC-29	SLSC	11-Aug-2024	35	0.19	5	Y	3	F	3	0.05	0.0241	0.1392	Y	Y	Y	-
	HW224-SLSC-30	SLSC	11-Aug-2024	27	0.15	5	Y	3	M	2	0.08	0.03	0.0868	Y	Y	Y	-
	HW224-SLSC-31	SLSC	11-Aug-2024	62	2.27	5	Y	-	M	2	0.04	0.02	0.07	Y	Y	Y	-
	-	SLSC	5-Aug-2024	47	1.07	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	10-Aug-2024	47	-	-	N	-	-	-	-	-	-	N	N	N	Found dead, not shocked
	-	BURB	5-Aug-2024	95	4.88	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	10-Aug-2024	44	4.66	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	11-Aug-2024	55	2.09	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	11-Aug-2024	46	0.93	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	11-Aug-2024	43	1.23	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	11-Aug-2024	47	1.35	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	11-Aug-2024	45	0.56	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKTR	11-Aug-2024	56	2.16	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKTR	11-Aug-2024	57	2.20	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	5-Aug-2024	55	0.98	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	11-Aug-2024	32	0.27	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	11-Aug-2024	35	0.19	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	11-Aug-2024	27	0.15	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	12-Aug-2024	30	0.25	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	12-Aug-2024	31	0.32	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	5-Aug-2024	47	1.07	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	10-Aug-2024	47	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKTR	11-Aug-2024	56	2.16	-	N	-	-	-	-	-	-	N	N	N	-
	-	LKTR	11-Aug-2024	57	2.20	-	N	-	-	-	-	-	-	N	N	N	-
Ross	ROS24-SLSC-01	SLSC	19-Aug-2024	58	1.72	5	Y	2	M	2	0.05	0.0174	0.0962	Y	Y	Y	-
	ROS24-SLSC-02	SLSC	19-Aug-2024	53	1.36	5	Y	2	M	2	0.06	0.011	0.1216	Y	Y	Y	-
	ROS24-SLSC-03	SLSC	19-Aug-2024	60	1.67	5	Y	2	F	2	0.06	0.0244	0.0738	Y	Y	Y	-
	ROS24-SLSC-04	SLSC	19-Aug-2024	57	1.75	5	Y	2	F	2	0.04	-	0.0788	Y	Y	Y	-
	ROS24-SLSC-05	SLSC	19-Aug-2024	56	1.6	5	Y	2	M	2	0.08	0.0122	0.128	Y	Y	Y	-
	ROS24-SLSC-06	SLSC	19-Aug-2024	54	1.5	5	Y	2	M	2	0.05	0.007	0.1026	Y	Y	Y	-
	ROS24-SLSC-07	SLSC	19-Aug-2024	95	6.48	5	Y	3	M	3	0.17	0.0878	0.396	Y	Y	Y	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	ROS24-SLSC-08	SLSC	19-Aug-2024	63	2.17	5	Y	2	M	2	0.10	0.035	0.1276	Y	Y	Y	-
	ROS24-SLSC-09	SLSC	19-Aug-2024	97	7.95	5	Y	5	M	3	0.22	0.1256	0.8485	Y	Y	Y	-
	ROS24-SLSC-10	SLSC	19-Aug-2024	56	1.77	5	Y	2	F	2	0.03	0.0106	0.0742	Y	Y	Y	-
	ROS24-SLSC-11	SLSC	19-Aug-2024	72	2.94	5	Y	2	F	1	0.08	0.0185	0.1283	Y	Y	Y	-
	ROS24-SLSC-12	SLSC	19-Aug-2024	58	1.86	5	Y	2	F	2	0.05	0.0122	0.1038	Y	Y	Y	-
	ROS24-SLSC-13	SLSC	19-Aug-2024	79	4.3	5	Y	4	F	2	0.17	0.0443	0.2005	Y	Y	Y	-
	ROS24-SLSC-14	SLSC	19-Aug-2024	63	2.52	5	Y	3	F	2	0.03	0.0062	0.1526	Y	Y	Y	-
	ROS24-SLSC-15	SLSC	19-Aug-2024	55	1.4	5	Y	2	M	2	0.04	0.0138	0.1002	Y	Y	Y	-
	ROS24-SLSC-16	SLSC	19-Aug-2024	68	2.77	5	Y	3	M	2	0.07	0.06	0.11	Y	Y	Y	-
	ROS24-SLSC-17	SLSC	19-Aug-2024	72	3.67	5	Y	4	F	2	0.10	0.03	0.23	Y	Y	Y	-
	ROS24-SLSC-18	SLSC	19-Aug-2024	45	0.84	5	Y	1	F	2	0.02	0.01	0.06	Y	Y	Y	-
	ROS24-SLSC-19	SLSC	19-Aug-2024	65	2.45	5	Y	2	F	2	0.08	0.02	0.17	Y	Y	Y	-
	ROS24-SLSC-20	SLSC	19-Aug-2024	55	1.61	5	Y	2	M	2	0.03	-	0.08	Y	Y	Y	-
	ROS24-SLSC-21	SLSC	19-Aug-2024	70	2.69	5	Y	2	F	2	0.07	0.04	0.20	Y	Y	Y	-
	ROS24-SLSC-22	SLSC	19-Aug-2024	69	3.04	5	Y	2	M	2	0.08	-	0.18	Y	Y	Y	-
	ROS24-SLSC-23	SLSC	19-Aug-2024	52	1.26	5	Y	2	U	0	0.05	0.00	0.10	Y	Y	Y	-
	ROS24-SLSC-24	SLSC	19-Aug-2024	71	3.31	5	Y	3	M	1	0.11	0.01	0.17	Y	Y	Y	-
	ROS24-SLSC-25	SLSC	19-Aug-2024	58	1.50	5	Y	2	M	2	0.06	0.01	0.11	Y	Y	Y	Cysts throughout, odd looking eye
	ROS24-SLSC-26	SLSC	19-Aug-2024	57	1.55	5	Y	2	M	2	0.05	0.02	0.12	Y	Y	Y	-
	ROS24-SLSC-27	SLSC	19-Aug-2024	48	0.91	5	Y	1	M	2	0.03	0.01	0.05	Y	Y	Y	-
	ROS24-SLSC-28	SLSC	19-Aug-2024	48	0.97	5	Y	1	F	2	0.04	0.01	0.05	Y	Y	Y	-
	ROS24-SLSC-29	SLSC	19-Aug-2024	56	1.26	5	Y	1	M	2	0.04	0.01	0.09	Y	Y	Y	-
	ROS24-SLSC-30	SLSC	19-Aug-2024	53	1.33	5	Y	2	M	2	0.04	0.01	0.08	Y	Y	Y	-
	-	SLSC	19-Aug-2024	46	1.34	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	19-Aug-2024	48	1.13	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	19-Aug-2024	21	0.08	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	19-Aug-2024	50	1.18	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	19-Aug-2024	23	0.31	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	19-Aug-2024	20	0.45	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	19-Aug-2024	51	3.19	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	19-Aug-2024	46	1.05	-	N	-	-	-	-	-	-	N	N	N	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	-	SLSC	19-Aug-2024	46	1.37	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	19-Aug-2024	54	1.03	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	19-Aug-2024	41	0.49	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	19-Aug-2024	46	0.58	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	19-Aug-2024	52	0.62	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	19-Aug-2024	59	0.86	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	19-Aug-2024	55	0.76	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	19-Aug-2024	51	1.39	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	19-Aug-2024	63	1.94	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	19-Aug-2024	51	1.57	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	19-Aug-2024	50	1.95	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	19-Aug-2024	55	1.21	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	19-Aug-2024	51	1.21	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	19-Aug-2024	48	0.88	-	N	-	-	-	-	-	-	N	N	N	-
	-	BRUB	19-Aug-2024	51	1.51	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	19-Aug-2024	50	1.39	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	19-Aug-2024	49	0.36	-	N	-	-	-	-	-	-	N	N	N	-
Logan	LOG24-SLSC-01	SLSC	03-Sep-2024	49	0.86	5	Y	1.5	F	1	0.02	0.0064	0.0254	Y	Y	Y	-
	LOG24-SLSC-02	SLSC	03-Sep-2024	48	0.89	5	Y	2	F	2	0.03	0.0076	0.0256	Y	Y	Y	-
	LOG24-SLSC-03	SLSC	03-Sep-2024	58	1.52	5	Y	3	M	1	0.04	0.0358	0.0968	Y	Y	Y	-
	LOG24-SLSC-04	SLSC	03-Sep-2024	55	1.27	5	Y	2	M	2	0.03	0.0128	0.0751	Y	Y	Y	-
	LOG24-SLSC-05	SLSC	03-Sep-2024	67	2.54	5	Y	2	F	3	0.14	0.033	0.104	Y	Y	Y	-
	LOG24-SLSC-06	SLSC	3-Sep-2024	50	0.83	5	Y	2	F	1	0.034	0.009	0.045	Y	Y	Y	-
	LOG24-SLSC-07	SLSC	3-Sep-2024	54	1.20	5	Y	1	M	2	0.025	0.013	0.038	Y	Y	Y	-
	LOG24-SLSC-08	SLSC	3-Sep-2024	54	1.18	5	Y	2	M	3	0.029	0.019	0.055	Y	Y	Y	Cysts throughout
	LOG24-SLSC-09	SLSC	3-Sep-2024	50	1.03	5	Y	3	F	1	0.039	0.010	0.034	Y	Y	Y	Cysts throughout
	LOG24-SLSC-10	SLSC	3-Sep-2024	51	1.01	5	Y	2	F	2	0.032	0.009	0.033	Y	Y	Y	-
	LOG24-SLSC-11	SLSC	3-Sep-2024	71	3.61	5	Y	3	U	0	0.129	0.000	0.100	Y	Y	Y	-
	LOG24-SLSC-12	SLSC	3-Sep-2024	65	2.29	5	Y	2	M	3	0.047	0.038	0.143	Y	Y	Y	-
	LOG24-SLSC-13	SLSC	3-Sep-2024	79	4.03	5	Y	3	M	3	0.098	0.089	0.280	Y	Y	Y	Cyst on liver
	LOG24-SLSC-14	SLSC	3-Sep-2024	79	3.46	5	Y	3	F	3	0.097	0.049	0.187	Y	Y	Y	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	LOG24-SLSC-15	SLSC	3-Sep-2024	70	2.90	5	Y	2	F	2	0.147	0.042	0.160	Y	Y	Y	Cysts throughout
	LOG24-SLSC-16	SLSC	3-Sep-2024	58	1.46	5	Y	3	F	2	0.041	0.029	0.033	Y	Y	Y	-
	LOG24-SLSC-17	SLSC	3-Sep-2024	65	2.14	5	Y	3	F	3	0.059	0.039	0.090	Y	Y	Y	-
	LOG24-SLSC-18	SLSC	3-Sep-2024	61	1.79	5	Y	2	M	3	0.048	0.036	0.086	Y	Y	Y	-
	LOG24-SLSC-19	SLSC	3-Sep-2024	61	1.71	5	Y	2	F	3	0.085	0.024	0.105	Y	Y	Y	Cysts throughout
	LOG24-SLSC-20	SLSC	3-Sep-2024	71	2.44	5	Y	3	F	3	0.069	0.055	0.103	Y	Y	Y	-
	LOG24-SLSC-21	SLSC	3-Sep-2024	56	1.68	5	Y	2	M	1	0.029	0.004	0.068	Y	Y	Y	-
	LOG24-SLSC-22	SLSC	3-Sep-2024	54	1.13	5	Y	2	M	1	0.026	0.008	0.037	Y	Y	Y	-
	LOG24-SLSC-23	SLSC	3-Sep-2024	65	2.05	5	Y	2	M	3	0.051	0.042	0.103	Y	Y	Y	-
	LOG24-SLSC-24	SLSC	3-Sep-2024	61	1.79	5	Y	3	F	3	0.069	0.028	0.114	Y	Y	Y	-
	LOG24-SLSC-25	SLSC	3-Sep-2024	53	1.15	5	Y		M	2	0.036	0.015	0.062	Y	Y	Y	-
	LOG24-SLSC-26	SLSC	3-Sep-2024	53	1.22	5	Y	2	M	2	0.049	0.015	0.056	Y	Y	Y	-
	LOG24-SLSC-27	SLSC	3-Sep-2024	57	1.58	5	Y	2	M	2	0.067	0.024	0.067	Y	Y	Y	Cysts throughout
	LOG24-SLSC-28	SLSC	3-Sep-2024	60	1.73	5	Y	2	F	1	0.060	0.019	0.081	Y	Y	Y	-
	LOG24-SLSC-29	SLSC	3-Sep-2024	54	1.29	5	Y	2	M	3	0.038	0.024	0.054	Y	Y	Y	Cysts throughout
	LOG24-SLSC-30	SLSC	3-Sep-2024	54	1.11	5	Y	2	M	2	0.031	0.0114	0.0414	Y	Y	Y	-
	-	SLSC	3-Sep-2024	50	0.88	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	3-Sep-2024	47	0.99	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	3-Sep-2024	54	1.48	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	3-Sep-2024	46	0.84	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	3-Sep-2024	41	0.55	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	3-Sep-2024	51	1.27	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	3-Sep-2024	50	0.68	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	3-Sep-2024	51	0.95	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	3-Sep-2024	50	1.00	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	3-Sep-2024	49	1.03	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	3-Sep-2024	54	1.47	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	3-Sep-2024	26	-	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	3-Sep-2024	52	1.40	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	3-Sep-2024	48	0.86	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	3-Sep-2024	50	1.02	-	N	-	-	-	-	-	-	N	N	N	-

Lake	Fish ID	Species	Sampling Date	Length (mm)	Weight (g)	Fish Status	Aging Otolith	Age (years)	Sex (F,M,U)	SLSC Maturity (0,1,2,3)	Liver Weight (g)	Gonad Weight (g)	Stomach Weight (g)	Diet Analysis	EROD Analysis (Y/N)	Metal Analysis	General Comments
	-	SLSC	3-Sep-2024	45	0.88	-	N	-	-	-	-	-	-	N	N	N	-
	-	SLSC	3-Sep-2024	26	0.14	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	3-Sep-2024	54	0.98	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	3-Sep-2024	137	14.88	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	3-Sep-2024	54	1.17	-	N	-	-	-	-	-	-	N	N	N	-
	-	BURB	3-Sep-2024	52	0.99	-	N	-	-	-	-	-	-	N	N	N	-
	-	NSST	3-Sep-2024	64	1.53	-	N	-	-	-	-	-	-	N	N	N	-

Notes:

Species: ARGR = Artic Grayling; BURB = Burbot; LKCH = Lake Chub; CL = Lake Cisco; LKTR = Lake Trout; LW = Lake Whitefish; LNSU = Longnose Sucker; NSB = Ninespine Stickleback; RW = Round Whitefish; SLSC = Slimy Sculpin

EF = electrofishing; mm = millimetre; g = gram; M = male; F = female; U = unknown; WB = whole body; EROD = ethoxyresorufin-O-deethylase; NA = not assessed

Fish status: 1 = alive and well; 2 = weak; 3 = very weak; 4 = dead; 5 = sacrifice

Aging structure: 1 = otolith, 2 = scale; 3 = fin ray

SLSC maturity: 0 = unknown; 1 = immature; 2 = maturing; 3 = mature

Dashes (-) indicate not applicable or data not collected.

Table 3.8-3 Summary of Length, Weight, and Condition Data for Electrofished Fish Species in AEMP Lakes, 2024

Lake	Species	Length (mm)						Weight (g)						Condition (k)					
		n	Mean	SD	SE	Min	Max	n	Mean	SD	SE	Min	Max	n	Mean	SD	SE	Min	Max
Nanuq	BURB	19	50.2	3.6	0.8	43.0	56.0	19	0.81	0.17	0.0	0.40	1.10	19	0.63	0.08	0.0	0.50	0.80
	LKTR	1	-	-	-	-	53.0	1	-	-	-	-	1.44	1	-	-	-	-	0.97
	SLSC	31	59.1	14.4	2.6	28.0	95.0	15	2.35	1.87	0.5	0.71	7.17	15	0.78	0.07	0.0	0.67	0.90
Counts	BURB	26	60.3	21.5	4.2	45.0	140.0	27	2.79	4.32	0.8	0.48	17.35	27	0.80	0.27	0.1	0.40	1.61
	SLSC	31	59.7	11.0	2.0	22.0	84.0	30	2.08	1.04	0.2	0.88	5.48	30	0.86	0.10	0.0	0.73	1.07
Vulture	BURB	19	36.8	13.0	3.0	29.0	80.0	11	0.47	0.41	0.1	0.18	1.60	11	1.06	0.65	0.2	0.59	2.79
	LKTR	4	51.5	1.7	0.9	50.0	53.0	2	1.68	0.00	0.0	1.68	1.68	2	1.34	0.00	0.0	1.34	1.34
	SLSC	49	50.6	8.7	1.2	37.0	75.0	48	1.20	0.68	0.1	0.35	3.62	48	0.84	0.14	0.0	0.47	1.32
Northeast	BURB	27	71.2	17.0	3.3	50.0	119.0	27	2.60	1.91	0.4	0.75	8.81	27	0.64	0.10	0.0	0.49	0.93
	LKTR	2	129.0	2.8	2.0	127.0	131.0	2	12.38	0.00	0.0	12.38	12.38	2	0.58	0.04	0.0	0.55	0.60
	SLSC	41	51.3	17.3	2.7	25.0	83.0	36	1.71	1.31	0.2	0.13	4.77	36	0.85	0.10	0.0	0.53	1.14
Kodiak	ARGR	7	62.9	7.0	2.6	52.0	72.0	7	1.73	0.56	0.2	1.01	2.60	7	0.69	0.15	0.1	0.55	1.00
	BURB	26	60.9	12.9	2.5	45.0	115.0	26	1.54	1.36	0.3	0.66	7.86	26	0.62	0.12	0.0	0.29	0.82
	LKCH	2	45.0	8.5	6.0	39.0	51.0	2	0.14	0.06	0.0	0.10	0.18	2	0.19	0.16	0.1	0.08	0.30
	LNSU	22	86.8	52.2	11.1	38.0	189.0	22	17.28	26.20	5.6	0.38	84.69	22	0.99	0.28	0.1	0.30	1.42
	SLSC	43	66.8	8.8	1.3	52.0	93.0	43	2.70	1.29	0.2	1.01	7.57	43	0.85	0.09	0.0	0.69	1.08
Leslie	BURB	8	55.3	10.5	3.7	42.0	70.0	8	1.12	0.66	0.2	0.56	2.50	8	0.63	0.19	0.1	0.42	0.96
	LKCH	22	40.6	14.0	3.0	30.0	87.0	22	0.83	1.16	0.2	0.15	5.33	22	0.99	0.60	0.1	0.38	3.02
	LNSU	1	-	-	-	-	103.0	1	-	-	-	-	13.42	1	-	-	-	-	1.23
	SLSC	31	62.2	7.7	1.4	46.0	77.0	31	2.18	0.80	0.1	0.87	3.75	31	0.87	0.11	0.0	0.52	1.14

Lake	Species	Length (mm)						Weight (g)						Condition (k)					
		n	Mean	SD	SE	Min	Max	n	Mean	SD	SE	Min	Max	n	Mean	SD	SE	Min	Max
Moose	ARGR	3	126.0	36.7	21.2	84.0	152.0	3	19.02	13.45	7.8	4.08	30.18	3	0.78	0.09	0.0	0.69	0.86
	BURB	5	58.2	5.0	2.2	52.0	66.0	5	1.50	0.36	0.2	1.27	2.13	5	0.78	0.22	0.1	0.52	1.09
	LKCH	6	60.0	20.0	8.2	20.0	76.0	6	1.94	1.02	0.4	0.07	3.20	6	0.75	0.07	0.0	0.69	0.88
	LKTR	10	93.6	66.4	21.0	24.0	171.0	10	14.35	16.92	5.4	0.06	37.02	10	0.61	0.16	0.1	0.41	0.74
	LNSU	34	69.8	23.2	4.0	35.0	126.0	34	4.86	4.22	0.7	0.32	22.32	34	1.34	0.87	0.1	0.63	4.04
	SLSC	31	62.7	15.2	2.7	28.0	112.0	31	2.48	2.59	0.5	0.20	14.36	31	0.82	0.08	0.0	0.70	1.02
Nema	ARGR	13	87.3	19.6	5.4	75.0	151.0	13	7.94	10.70	3.0	2.81	43.21	15	0.92	0.18	0.0	0.61	1.26
	BURB	27	74.3	9.5	1.8	65.0	115.0	27	3.70	2.85	0.5	1.24	15.12	27	0.86	0.47	0.1	0.35	1.91
	LKCH	3	32.0	4.6	2.6	27.0	36.0	3	0.19	0.14	0.1	0.11	0.35	4	0.54	0.22	0.1	0.31	0.75
	LNSU	7	59.9	61.5	23.2	33.0	199.0	7	13.69	31.63	12.0	0.23	85.32	7	2.87	2.71	1.0	0.59	7.16
	RDWH	1	-	-	-	-	93.0	1	-	-	-	-	8.16	1	-	-	-	-	1.01
	SLSC	33	68.8	17.1	3.0	32.0	116.0	32	3.18	2.36	0.4	0.24	11.74	32	0.83	0.07	0.0	0.73	1.02
Slipper	ARGR	1	-	-	-	-	62.0	1	-	-	-	-	1.42	1	-	-	-	-	0.60
	BURB	2	65.0	4.2	3.0	62.0	68.0	2	1.19	0.11	0.1	1.11	1.27	2	0.44	0.13	0.1	0.35	0.53
	LKCH	70	37.1	14.4	1.7	23.0	105.0	70	0.76	1.99	0.2	0.10	12.78	70	0.92	0.41	0.0	0.36	2.37
	LNSU	12	47.4	9.7	2.8	33.0	66.0	12	0.93	0.66	0.2	0.26	2.23	12	0.81	0.34	0.1	0.40	1.48
	NSST	92	33.3	7.9	0.8	22.0	58.0	83	0.37	0.30	0.0	0.10	1.66	83	0.94	0.38	0.0	0.36	2.01
	SLSC	43	49.2	19.5	3.0	17.0	93.0	37	1.71	1.32	0.2	0.10	6.20	37	0.91	0.18	0.0	0.72	1.54
Cujo	ARGR	13	77.8	23.7	6.6	34.0	95.0	13	4.43	2.53	0.7	0.26	7.21	13	0.72	0.11	0.0	0.49	0.84
	BURB	1	-	-	-	-	140.0	1	-	-	-	-	19.12	1	-	-	-	-	0.70
	LKCH	24	58.8	23.9	4.9	32.0	123.0	24	3.36	4.06	0.8	0.41	19.80	24	1.49	0.83	0.2	0.64	3.58
	SLSC	35	69.2	18.7	3.2	29.0	115.0	32	3.68	2.27	0.4	0.21	10.71	32	0.92	0.12	0.0	0.70	1.32

Lake	Species	Length (mm)						Weight (g)						Condition (k)					
		n	Mean	SD	SE	Min	Max	n	Mean	SD	SE	Min	Max	n	Mean	SD	SE	Min	Max
Horseshoe	BURB	73	71.7	11.4	1.3	53.0	139.0	73	2.71	2.41	0.3	0.71	20.50	73	0.66	0.16	0.0	0.45	1.18
	SLSC	48	55.7	21.2	3.1	30.0	95.0	41	2.55	2.16	0.3	0.20	7.87	41	0.88	0.13	0.0	0.56	1.25
HWL2	BURB	7	53.6	18.7	7.1	43.0	95.0	7	2.24	1.79	0.7	0.56	4.88	7	1.67	1.71	0.6	0.57	5.47
	LKTR	4	56.5	0.6	0.3	56.0	57.0	4	2.18	0.02	0.0	2.16	2.20	4	1.21	0.02	0.0	1.19	1.23
	NSST	6	35.0	10.1	4.1	27.0	55.0	6	0.36	0.31	0.1	0.15	0.98	6	0.77	0.23	0.1	0.44	1.07
	SLSC	33	55.2	9.3	1.6	44.0	82.0	32	1.60	0.93	0.2	0.68	4.58	32	0.86	0.08	0.0	0.67	1.03
Ross	SLSC	30	62.1	12.3	2.2	45.0	97.0	30	2.34	1.58	0.3	0.84	7.95	30	0.88	0.08	0.0	0.72	1.01
Logan	BURB	4	74.3	41.8	20.9	52.0	137.0	4	4.51	6.92	3.5	0.98	14.88	4	0.66	0.07	0.0	0.58	0.74
	NSST	1	-	-	-	-	64.0	1	-	-	-	-	1.53	1	-	-	-	-	0.58
	SLSC	47	54.7	10.4	1.5	26.0	79.0	46	1.49	0.80	0.1	0.14	4.03	46	0.81	0.09	0.0	0.54	1.01

Notes:

Species: ARGR = Arctic Grayling; BURB = Burbot; LKCH = Lake Chub; LKTR = Lake Trout; LNSU = Longnose Sucker; NSST = Ninespine Stickleback; RDWH = Round Whitefish; SLSC = Slimy Sculpin

condition (k) = (weight*105)/total length^3; g = gram; max = maximum value; min = minimum value; mm = millimetre; n = sample size; SD = standard deviation; SE = standard error

Dashes (-) indicate not applicable.

Table 3.8-4 Slimy Sculpin Parasite Data for AEMP Lakes, 2024

Lake	Fish ID	Fish Weight (g)	Infected (Y/N)	Number of Parasites	Parasite Weight (g)	Parasite Percent Fish Weight (%)
Nanuq	NAN24-SLSC-01	-	N	0	-	-
	NAN24-SLSC-02	-	N	0	-	-
	NAN24-SLSC-03	-	N	0	-	-
	NAN24-SLSC-04	-	N	0	-	-
	NAN24-SLSC-05	-	N	0	-	-
	NAN24-SLSC-06	-	N	0	-	-
	NAN24-SLSC-07	-	N	0	-	-
	NAN24-SLSC-08	-	N	0	-	-
	NAN24-SLSC-09	-	N	0	-	-
	NAN24-SLSC-10	-	N	0	-	-
	NAN24-SLSC-11	-	N	0	-	-
	NAN24-SLSC-12	-	N	0	-	-
	NAN24-SLSC-13	-	Y	2	0.1438	-
	NAN24-SLSC-14	-	Y	1	0.0754	-
	NAN24-SLSC-15	-	N	0	-	-
	NAN24-SLSC-16	3.25	N	0	-	0
	NAN24-SLSC-17	5.54	N	0	-	0
	NAN24-SLSC-18	7.17	N	0	-	0
	NAN24-SLSC-19	3.28	N	0	-	0
	NAN24-SLSC-20	1.68	N	0	-	0
	NAN24-SLSC-21	2.22	N	0	-	0
	NAN24-SLSC-22	1.34	N	0	-	0
	NAN24-SLSC-23	2.93	N	0	-	0
	NAN24-SLSC-24	2.14	N	0	-	0
	NAN24-SLSC-25	0.71	N	0	-	0
	NAN24-SLSC-26	0.83	N	0	-	0
	NAN24-SLSC-27	1.10	N	0	-	0
	NAN24-SLSC-28	0.98	N	0	-	0
	NAN24-SLSC-29	1.11	N	0	-	0
	NAN24-SLSC-30	0.94	N	0	-	0

Lake	Fish ID	Fish Weight (g)	Infected (Y/N)	Number of Parasites	Parasite Weight (g)	Parasite Percent Fish Weight (%)
Counts	CON24-SLSC-01	1.96	Y	1	0.2432	12
	CON24-SLSC-02	2.08	Y	1	0.3750	18
	CON24-SLSC-03	1.16	N	-	-	0
	CON24-SLSC-04	0.88	N	0	-	0
	CON24-SLSC-05	1.34	Y	1	0.1250	9
	CON24-SLSC-06	1.85	N	-	-	0
	CON24-SLSC-07	4.68	N	-	-	0
	CON24-SLSC-08	2.27	Y	1	0.4638	20
	CON24-SLSC-09	1.72	Y	1	0.2814	16
	CON24-SLSC-10	1.59	N	-	-	0
	CON24-SLSC-11	1.40	N	0	-	0
	CON24-SLSC-12	2.40	Y	1	0.4250	18
	CON24-SLSC-13	2.15	Y	1	0.3128	15
	CON24-SLSC-14	2.15	Y	1	0.3810	18
	CON24-SLSC-15	2.02	N	-	-	0
	CON24-SLSC-16	3.18	Y	5	0.7746	24
	CON24-SLSC-17	1.30	Y	2	0.1312	10
	CON24-SLSC-18	2.91	Y	2	0.6660	23
	CON24-SLSC-19	1.56	N	-	-	0
	CON24-SLSC-20	1.20	N	-	-	0
	CON24-SLSC-21	5.48	N	-	-	0
	CON24-SLSC-22	0.92	N	-	-	0
	CON24-SLSC-23	2.88	Y	1	0.4824	17
	CON24-SLSC-24	3.09	N	-	-	0
	CON24-SLSC-25	2.28	Y	2	0.4754	21
	CON24-SLSC-26	1.23	N	0	-	0
	CON24-SLSC-27	1.12	N	-	-	0
	CON24-SLSC-28	1.38	N	-	-	0
	CON24-SLSC-29	1.88	N	-	-	0
	CON24-SLSC-30	2.38	N	-	-	0

Lake	Fish ID	Fish Weight (g)	Infected (Y/N)	Number of Parasites	Parasite Weight (g)	Parasite Percent Fish Weight (%)
Vulture	VUL24-SLSC-01	2.09	Y	1	0.3746	18
	VUL24-SLSC-02	1.01	Y	1	0.0204	2
	VUL24-SLSC-03	1.16	N	0	-	0
	VUL24-SLSC-04	1.42	N	0	-	0
	VUL24-SLSC-05	1.69	N	0	-	0
	VUL24-SLSC-06	2.39	Y	1	0.3596	15
	VUL24-SLSC-07	1.19	Y	1	0.2082	17
	VUL24-SLSC-08	3.62	Y	1	0.0176	0
	VUL24-SLSC-09	1.85	Y	3	0.0358	2
	VUL24-SLSC-10	1.08	N	0	-	0
	VUL24-SLSC-11	0.61	N	0	-	0
	VUL24-SLSC-12	0.88	N	0	-	0
	VUL24-SLSC-13	1.32	N	0	-	0
	VUL24-SLSC-14	0.82	N	0	-	0
	VUL24-SLSC-15	0.60	N	0	-	0
	VUL24-SLSC-16	1.05	N	0	-	0
	VUL24-SLSC-17	0.74	N	0	-	0
	VUL24-SLSC-18	0.64	N	0	-	0
	VUL24-SLSC-19	1.65	N	0	-	0
	VUL24-SLSC-20	0.96	N	0	-	0
	VUL24-SLSC-21	0.65	N	0	-	0
	VUL24-SLSC-22	1.54	N	1	0.3487	23
	VUL24-SLSC-23	0.49	N	0	-	0
	VUL24-SLSC-24	1.94	N	0	-	0
	VUL24-SLSC-25	1.55	N	0	-	0
	VUL24-SLSC-26	1.03	N	0	-	0
	VUL24-SLSC-27	0.82	N	0	-	0
	VUL24-SLSC-28	0.85	N	0	-	0
	VUL24-SLSC-29	2.30	N	0	-	0
	VUL24-SLSC-30	0.79	N	0	-	0
	VUL24-SLSC-31	1.57	N	0	-	0
	VUL24-SLSC-32	1.27	N	0	-	0

Lake	Fish ID	Fish Weight (g)	Infected (Y/N)	Number of Parasites	Parasite Weight (g)	Parasite Percent Fish Weight (%)
	VUL24-SLSC-33	0.95	N	0	-	0
	VUL24-SLSC-34	1.39	Y	1	0.0204	1
	VUL24-SLSC-35	2.66	Y	2	0.5560	21
Northeast	NE24-SLSC-01	4.05	N	0	-	0
	NE24-SLSC-02	3.91	N	0	-	0
	NE24-SLSC-03	3.97	N	0	-	0
	NE24-SLSC-04	1.38	N	0	-	0
	NE24-SLSC-05	0.45	N	0	-	0
	NE24-SLSC-06	1.49	Y	1	0.1084	7
	NE24-SLSC-07	0.91	N	0	-	0
	NE24-SLSC-08	3.15	N	0	-	0
	NE24-SLSC-09	4.77	N	0	-	0
	NE24-SLSC-10	1.37	Y	1	0.2582	19
	NE24-SLSC-11	1.78	N	0	-	0
	NE24-SLSC-12	2.02	N	0	-	0
	NE24-SLSC-13	2.36	N	0	-	0
	NE24-SLSC-14	3.41	Y	2	0.4495	13
	NE24-SLSC-15	3.45	N	0	-	0
	NE24-SLSC-16	3.40	Y	1	0.4498	13
	NE24-SLSC-17	2.43	N	0	-	0
	NE24-SLSC-18	2.91	N	0	-	0
	NE24-SLSC-19	1.73	N	0	-	0
	NE24-SLSC-20	1.17	Y	1	0.0456	4
	NE24-SLSC-21	0.78	N	0	-	0
	NE24-SLSC-22	1.36	N	0	-	0
	NE24-SLSC-23	1.62	N	0	-	0
	NE24-SLSC-24	0.91	Y	1	0.1996	22
	NE24-SLSC-25	0.98	N	0	-	0
	NE24-SLSC-26	1.10	N	0	-	0
	NE24-SLSC-27	0.94	N	0	-	0
	NE24-SLSC-28	0.75	N	0	-	0
	NE24-SLSC-29	0.84	N	0	-	0
	NE24-SLSC-30	0.72	N	0	-	0

Lake	Fish ID	Fish Weight (g)	Infected (Y/N)	Number of Parasites	Parasite Weight (g)	Parasite Percent Fish Weight (%)
Kodiak	KOD24-SLSC-01	4.01	Y	1	0.6052	15
	KOD24-SLSC-02	1.51	N	0	-	0
	KOD24-SLSC-03	2.45	Y	1	0.4448	18
	KOD24-SLSC-04	2.65	Y	1	0.3590	14
	KOD24-SLSC-05	5.05	Y	1	0.4136	8
	KOD24-SLSC-06	4.21	N	0	-	0
	KOD24-SLSC-07	1.63	N	0	-	0
	KOD24-SLSC-08	3.47	Y	1	0.4096	12
	KOD24-SLSC-09	2.70	Y	7	0.8912	33
	KOD24-SLSC-10	2.48	Y	1	0.4316	17
	KOD24-SLSC-11	2.44	Y	2	0.4936	20
	KOD24-SLSC-12	2.09	N	0	-	0
	KOD24-SLSC-13	1.92	N	0	-	0
	KOD24-SLSC-14	1.01	N	0	-	0
	KOD24-SLSC-15	1.59	N	0	-	0
	KOD24-SLSC-16	7.57	Y	1	0.8744	12
	KOD24-SLSC-17	2.55	N	0	-	0
	KOD24-SLSC-18	3.34	N	0	-	0
	KOD24-SLSC-19	2.53	N	0	-	0
	KOD24-SLSC-20	3.07	N	0	-	0
	KOD24-SLSC-21	3.21	Y	8	0.9570	30
	KOD24-SLSC-22	3.07	Y	2	0.5918	19
	KOD24-SLSC-23	2.62	Y	1	0.3172	12
	KOD24-SLSC-24	2.41	Y	1	0.3708	15
	KOD24-SLSC-25	2.30	N	0	-	0
	KOD24-SLSC-26	2.04	Y	1	0.3482	17
	KOD24-SLSC-27	1.52	N	0	-	0
	KOD24-SLSC-28	1.80	N	0	-	0
	KOD24-SLSC-29	4.11	N	0	-	0
	KOD24-SLSC-30	1.40	Y	10	0.3008	21
	KOD24-SLSC-31	2.09	N	0	-	0
	KOD24-SLSC-32	1.99	N	1	0.3508	18

Lake	Fish ID	Fish Weight (g)	Infected (Y/N)	Number of Parasites	Parasite Weight (g)	Parasite Percent Fish Weight (%)
	KOD24-SLSC-33	2.37	N	0	-	0
	KOD24-SLSC-34	3.28	Y	1	0.3266	10
	KOD24-SLSC-35	3.91	Y	3	0.7874	20
	KOD24-SLSC-36	2.04	N	0	-	0
	KOD24-SLSC-37	6.24	Y	2	0.2918	5
	KOD24-SLSC-38	2.10	Y	1	0.4442	21
	KOD24-SLSC-39	1.46	N	0	-	0
	KOD24-SLSC-40	1.37	N	0	-	0
	KOD24-SLSC-41	2.08	N	0	-	0
	KOD24-SLSC-42	2.06	N	0	-	0
	KOD24-SLSC-43	2.49	Y	1	0.3711	15
Leslie	LES24-SLSC-01	2.05	N	0	-	0
	LES24-SLSC-02	1.91	Y	1	0.3352	18
	LES24-SLSC-03	1.79	N	0	-	0
	LES24-SLSC-04	2.80	N	0	-	0
	LES24-SLSC-05	3.09	Y	1	0.4622	15
	LES24-SLSC-06	1.98	Y	1	0.4110	21
	LES24-SLSC-07	1.41	N	0	-	0
	LES24-SLSC-08	2.12	Y	1	0.4126	19
	LES24-SLSC-09	1.06	N	0	-	0
	LES24-SLSC-10	1.43	N	0	-	0
	LES24-SLSC-11	2.21	N	0	-	0
	LES24-SLSC-12	2.49	N	0	-	0
	LES24-SLSC-13	0.87	Y	1	0.1136	13
	LES24-SLSC-14	1.80	Y	1	0.2278	13
	LES24-SLSC-15	1.44	N	0	-	0
	LES24-SLSC-16	3.19	N	0	-	0
	LES24-SLSC-17	2.94	N	0	-	0
	LES24-SLSC-18	1.23	N	0	-	0
	LES24-SLSC-19	1.25	N	0	-	0
	LES24-SLSC-20	1.12	Y	1	0.1244	11
	LES24-SLSC-21	2.33	N	0	-	0

Lake	Fish ID	Fish Weight (g)	Infected (Y/N)	Number of Parasites	Parasite Weight (g)	Parasite Percent Fish Weight (%)
	LES24-SLSC-22	1.50	Y	2	0.3094	21
	LES24-SLSC-23	3.46	N	0	-	0
	LES24-SLSC-24	2.18	N	0	-	0
	LES24-SLSC-25	1.75	N	0	-	0
	LES24-SLSC-26	3.75	N	0	-	0
	LES24-SLSC-27	2.35	N	0	-	0
	LES24-SLSC-28	3.24	N	0	-	0
	LES24-SLSC-29	2.46	Y	4	0.5598	23
	LES24-SLSC-30	3.46	N	0	-	0
	LES24-SLSC-31	2.87	N	0	-	0
Moose	MOO24-SLSC-01	0.94	N	0	-	0
	MOO24-SLSC-02	1.11	N	0	-	0
	MOO24-SLSC-03	3.16	N	0	-	0
	MOO24-SLSC-04	3.37	Y	1	0.0214	1
	MOO24-SLSC-05	2.84	N	0	-	0
	MOO24-SLSC-06	1.64	N	0	-	0
	MOO24-SLSC-07	2.30	N	0	-	0
	MOO24-SLSC-08	2.37	N	0	-	0
	MOO24-SLSC-09	0.90	Y	1	0.1678	19
	MOO24-SLSC-10	1.33	N	0	-	0
	MOO24-SLSC-11	5.96	N	0	-	0
	MOO24-SLSC-12	14.36	N	0	-	0
	MOO24-SLSC-13	2.07	N	0	-	0
	MOO24-SLSC-14	4.10	N	0	-	0
	MOO24-SLSC-15	6.57	N	0	-	0
	MOO24-SLSC-16	1.97	N	0	-	0
	MOO24-SLSC-17	1.50	Y	1	0.2492	17
	MOO24-SLSC-18	1.82	N	0	-	0
	MOO24-SLSC-19	1.32	Y	2	0.2374	18
	MOO24-SLSC-20	1.28	Y	1	0.1154	9
	MOO24-SLSC-21	1.46	Y	1	0.0984	7
	MOO24-SLSC-22	1.61	N	0	-	0

Lake	Fish ID	Fish Weight (g)	Infected (Y/N)	Number of Parasites	Parasite Weight (g)	Parasite Percent Fish Weight (%)
	MOO24-SLSC-23	1.23	N	0	-	0
	MOO24-SLSC-24	1.88	N	0	-	0
	MOO24-SLSC-25	1.29	Y	1	0.1482	11
	MOO24-SLSC-26	1.66	N	0	-	0
	MOO24-SLSC-27	2.13	N	0	-	0
	MOO24-SLSC-28	1.13	Y	1	0.0560	5
	MOO24-SLSC-29	1.83	N	0	-	0
	MOO24-SLSC-30	1.44	N	0	-	0
Nema	NEM24-SLSC-01	3.53	N	0	-	0
	NEM24-SLSC-02	4.62	N	0	-	0
	NEM24-SLSC-03	8.14	N	0	-	0
	NEM24-SLSC-04	6.23	N	0	-	0
	NEM24-SLSC-05	11.74	N	0	-	0
	NEM24-SLSC-06	-	N	0	-	-
	NEM24-SLSC-07	4.67	Y	1	0.4502	10
	NEM24-SLSC-08	2.08	N	0	-	0
	NEM24-SLSC-09	2.71	Y	1	0.0750	3
	NEM24-SLSC-10	1.19	Y	1	0.2238	19
	NEM24-SLSC-11	5.08	Y	1	0.0016	0
	NEM24-SLSC-12	2.66	N	0	-	0
	NEM24-SLSC-13	1.22	N	0	-	0
	NEM24-SLSC-14	1.21	N	0	-	0
	NEM24-SLSC-15	1.05	N	0	-	0
	NEM24-SLSC-16	2.51	N	0	-	0
	NEM24-SLSC-17	3.13	N	0	-	0
	NEM24-SLSC-19	1.68	N	0	-	0
	NEM24-SLSC-20	2.80	Y	0	-	0
	NEM24-SLSC-21	1.35	N	0	-	0
	NEM24-SLSC-23	3.96	Y	-	0.4374	11
	NEM24-SLSC-24	3.42	N	0	-	0
	NEM24-SLSC-25	4.27	N	0	-	0
	NEM24-SLSC-26	3.53	Y	0	-	0

Lake	Fish ID	Fish Weight (g)	Infected (Y/N)	Number of Parasites	Parasite Weight (g)	Parasite Percent Fish Weight (%)
	NEM24-SLSC-27	5.04	Y	0	-	0
	NEM24-SLSC-28	2.86	Y	1	0.2068	7
	NEM24-SLSC-29	2.72	Y	-	-	0
	NEM24-SLSC-30	0.55	N	-	-	0
Slipper	SLP24-SLSC-01	1.14	N	0	-	0
	SLP24-SLSC-02	4.26	N	0	-	0
	SLP24-SLSC-03	6.20	N	0	-	0
	SLP24-SLSC-04	1.10	Y	1	0.1050	10
	SLP24-SLSC-05	2.23	Y	2	0.6576	29
	SLP24-SLSC-06	3.37	Y	1	0.4894	15
	SLP24-SLSC-07	4.35	N	0	-	0
	SLP24-SLSC-08	1.05	N	0	-	0
	SLP24-SLSC-09	2.59	N	0	-	0
	SLP24-SLSC-10	1.03	Y	1	0.1546	15
	SLP24-SLSC-11	3.30	N	0	-	0
	SLP24-SLSC-12	1.77	N	0	-	0
	SLP24-SLSC-13	1.42	Y	1	0.3524	25
	SLP24-SLSC-14	2.78	N	0	-	0
	SLP24-SLSC-15	1.62	N	0	-	0
	SLP24-SLSC-16	2.44	n	0	-	0
	SLP24-SLSC-17	1.64	N	0	-	0
	SLP24-SLSC-18	2.24	N	0	-	0
	SLP24-SLSC-19	2.78	N	1	0.0599	2
	SLP24-SLSC-20	1.68	N	0	-	0
	SLP24-SLSC-21	1.88	Y	5	0.2182	12
	SLP24-SLSC-22	0.92	N	0	-	0
	SLP24-SLSC-23	1.66	Y	1	0.3924	24
	SLP24-SLSC-24	0.88	N	0	-	0
	SLP24-SLSC-25	1.07	N	0	-	0
	SLP24-SLSC-26	1.12	N	0	-	0
	SLP24-SLSC-27	1.05	N	0	-	0
	SLP24-SLSC-28	1.49	Y	1	0.2126	14

Lake	Fish ID	Fish Weight (g)	Infected (Y/N)	Number of Parasites	Parasite Weight (g)	Parasite Percent Fish Weight (%)
	SLP24-SLSC-29	1.06	N	0	-	0
	SLP24-SLSC-30	1.11	Y	3	0.1670	15
	SLP24-SLSC-31	0.89	N	0	-	0
Cujo	CUJ24-SLSC-01	9.36	N	0	-	0
	CUJ24-SLSC-02	3.91	Y	2	0.7416	19
	CUJ24-SLSC-03	3.49	N	0	-	0
	CUJ24-SLSC-04	4.34	Y	6	1.2646	29
	CUJ24-SLSC-05	4.52	Y	1	0.4354	10
	CUJ24-SLSC-06	10.71	N	0	-	0
	CUJ24-SLSC-07	2.92	Y	1	0.3122	11
	CUJ24-SLSC-08	4.03	N	0	-	0
	CUJ24-SLSC-09	3.11	Y	1	0.4872	16
	CUJ24-SLSC-10	1.65	Y	2	0.2348	14
	CUJ24-SLSC-11	2.23	N	0	-	0
	CUJ24-SLSC-12	-	Y	2	0.1306	-
	CUJ24-SLSC-13	4.34	N	0	-	0
	CUJ24-SLSC-14	5.23	N	0	-	0
	CUJ24-SLSC-15	4.88	Y	2	0.6190	13
	CUJ24-SLSC-16	4.13	Y	2	0.4960	12
	CUJ24-SLSC-17	3.41	Y	1	0.3212	9
	CUJ24-SLSC-18	6.25	N	0	-	0
	CUJ24-SLSC-19	5.96	Y	1	0.1536	3
	CUJ24-SLSC-20	1.63	Y	1	0.0998	6
	CUJ24-SLSC-21	4.95	Y	1	0.1692	3
	CUJ24-SLSC-22	2.89	Y	3	0.6930	24
	CUJ24-SLSC-23	2.72	Y	1	0.3926	14
	CUJ24-SLSC-24	4.90	N	0	-	0
	CUJ24-SLSC-25	3.78	N	0	-	0
	CUJ24-SLSC-26	2.28	Y	1	0.3612	16
	CUJ24-SLSC-27	3.58	Y	2	0.5600	16
	CUJ24-SLSC-28	2.31	N	0	-	0
	CUJ24-SLSC-29	1.22	Y	1	0.2054	17

Lake	Fish ID	Fish Weight (g)	Infected (Y/N)	Number of Parasites	Parasite Weight (g)	Parasite Percent Fish Weight (%)
	CUJ24-SLSC-30	1.33	Y	1	0.1944	15
	CUJ24-SLSC-31	1.01	N	0	-	0
Horseshoe	HOS24-SLSC-01	2.37	N	0	-	0
	HOS24-SLSC-02	0.40	N	0	-	0
	HOS24-SLSC-03	1.75	N	0	-	0
	HOS24-SLSC-04	3.44	Y	1	0.3336	10
	HOS24-SLSC-05	5.55	Y	1	0.5294	10
	HOS24-SLSC-06	2.94	N	0	-	0
	HOS24-SLSC-07	1.84	N	0	-	0
	HOS24-SLSC-08	5.18	Y	1	0.1108	2
	HOS24-SLSC-09	4.68	N	0	0.0018	0
	HOS24-SLSC-10	2.42	N	0	-	0
	HOS24-SLSC-11	2.25	N	0	-	0
	HOS24-SLSC-12	4.10	N	0	-	0
	HOS24-SLSC-13	3.34	Y	9	0.8606	26
	HOS24-SLSC-14	3.09	N	0	-	0
	HOS24-SLSC-15	1.83	Y	1	0.2728	15
	HOS24-SLSC-16	2.87	Y	8	0.6016	21
	HOS24-SLSC-17	1.64	Y	1	0.1199	7
	HOS24-SLSC-18	7.87	N	0	-	0
	HOS24-SLSC-19	4.87	N	0	-	0
	HOS24-SLSC-20	3.86	N	0	-	0
	HOS24-SLSC-21	2.38	N	0	-	0
	HOS24-SLSC-22	7.54	N	0	-	0
	HOS24-SLSC-23	4.19	N	0	-	0
	HOS24-SLSC-24	4.08	N	0	-	0
	HOS24-SLSC-25	7.25	N	0	-	0
	HOS24-SLSC-26	3.77	Y	1	0.0012	0
	HOS24-SLSC-27	2.81	y	1	0.5230	19
	HOS24-SLSC-28	2.12	N	0	-	0
	HOS24-SLSC-29	0.35	N	0	-	0
	HOS24-SLSC-30	0.45	N	0	-	0

Lake	Fish ID	Fish Weight (g)	Infected (Y/N)	Number of Parasites	Parasite Weight (g)	Parasite Percent Fish Weight (%)
HWL2	HW224-SLSC-01	1.43	N	0	-	0
	HW224-SLSC-02	3.74	Y	1	0.0800	2
	HW224-SLSC-03	1.04	N	0	-	0
	HW224-SLSC-04	2.29	N	0	-	0
	HW224-SLSC-05	2.55	Y	2	0.0098	0
	HW224-SLSC-06	1.04	N	0	-	0
	HW224-SLSC-07	1.83	N	0	-	0
	HW224-SLSC-08	2.09	Y	1	0.3094	15
	HW224-SLSC-09	0.69	N	0	-	0
	HW224-SLSC-10	1.03	N	0	-	0
	HW224-SLSC-11	4.58	N	0	-	0
	HW224-SLSC-12	1.91	Y	1	0.2666	14
	HW224-SLSC-13	1.45	N	0	-	0
	HW224-SLSC-14	3.07	Y	2	0.3828	12
	HW224-SLSC-15	0.75	N	0	-	0
	HW224-SLSC-16	2.27	Y	4	0.1320	6
	HW224-SLSC-17	1.12	N	0	-	0
	HW224-SLSC-18	1.52	N	0	-	0
	HW224-SLSC-19	0.90	Y	1	0.0820	9
	HW224-SLSC-20	0.75	N	0	-	0
	HW224-SLSC-21	0.77	Y	2	0.0582	8
	HW224-SLSC-22	1.06	N	0	-	0
	HW224-SLSC-23	1.15	N	0	-	0
	HW224-SLSC-24	0.97	N	0	-	0
	HW224-SLSC-25	1.05	N	0	-	0
	HW224-SLSC-26	0.80	N	0	-	0
	HW224-SLSC-27	1.61	N	0	-	0
	HW224-SLSC-28	0.68	N	0	-	0
	HW224-SLSC-29	2.53	Y	1	0.3539	14
	HW224-SLSC-30	2.03	N	0	-	0
	HW224-SLSC-31	1.52	N	0	-	0

Lake	Fish ID	Fish Weight (g)	Infected (Y/N)	Number of Parasites	Parasite Weight (g)	Parasite Percent Fish Weight (%)
Ross	ROS24-SLSC-01	1.72	N	0	-	0
	ROS24-SLSC-02	1.36	N	0	-	0
	ROS24-SLSC-03	1.67	N	0	-	0
	ROS24-SLSC-04	1.75	Y	1	0.1620	9
	ROS24-SLSC-05	1.60	N	0	-	0
	ROS24-SLSC-06	1.50	Y	1	0.2436	16
	ROS24-SLSC-07	6.48	N	0	-	0
	ROS24-SLSC-08	2.17	N	0	-	0
	ROS24-SLSC-09	7.95	N	0	-	0
	ROS24-SLSC-10	1.77	Y	1	0.3252	18
	ROS24-SLSC-11	2.94	Y	5	0.3109	11
	ROS24-SLSC-12	1.86	Y	2	0.1772	10
	ROS24-SLSC-13	4.30	N	0	-	0
	ROS24-SLSC-14	2.52	Y	6	0.4884	19
	ROS24-SLSC-15	1.40	N	0	-	0
	ROS24-SLSC-16	2.77	N	0	-	0
	ROS24-SLSC-17	3.67	Y	1	0.1309	4
	ROS24-SLSC-18	0.84	N	0	-	0
	ROS24-SLSC-19	2.45	Y	5	0.4410	18
	ROS24-SLSC-20	1.61	Y	2	0.3766	23
	ROS24-SLSC-21	2.69	Y	2	0.3662	14
	ROS24-SLSC-22	3.04	Y	2	0.3760	12
	ROS24-SLSC-23	1.26	Y	1	0.0684	5
	ROS24-SLSC-24	3.31	Y	3	0.3460	10
	ROS24-SLSC-25	1.50	N	0	-	0
	ROS24-SLSC-26	1.55	N	0	-	0
	ROS24-SLSC-27	0.91	N	0	-	0
	ROS24-SLSC-28	0.97	N	0	-	0
	ROS24-SLSC-29	1.26	N	0	-	0
	ROS24-SLSC-30	1.33	N	0	-	0

Lake	Fish ID	Fish Weight (g)	Infected (Y/N)	Number of Parasites	Parasite Weight (g)	Parasite Percent Fish Weight (%)
Logan	LOG24-SLSC-01	0.86	N	0	-	0
	LOG24-SLSC-02	0.89	N	0	-	0
	LOG24-SLSC-03	1.52	N	0	-	0
	LOG24-SLSC-04	1.27	N	0	-	0
	LOG24-SLSC-05	2.54	N	0	-	0
	LOG24-SLSC-06	0.83	N	0	-	0
	LOG24-SLSC-07	1.20	N	0	-	0
	LOG24-SLSC-08	1.18	N	0	-	0
	LOG24-SLSC-09	1.03	N	0	-	0
	LOG24-SLSC-10	1.01	N	0	-	0
	LOG24-SLSC-11	3.61	Y	1	0.4136	11
	LOG24-SLSC-12	2.29	N	0	-	0
	LOG24-SLSC-13	4.03	N	0	-	0
	LOG24-SLSC-14	3.46	N	0	-	0
	LOG24-SLSC-15	2.90	N	0	-	0
	LOG24-SLSC-16	1.46	N	0	-	0
	LOG24-SLSC-17	2.14	N	0	-	0
	LOG24-SLSC-18	1.79	N	0	-	0
	LOG24-SLSC-19	1.71	N	0	-	0
	LOG24-SLSC-20	2.44	N	0	-	0
	LOG24-SLSC-21	1.68	Y	3	0.2674	16
	LOG24-SLSC-22	1.13	N	0	-	0
	LOG24-SLSC-23	2.05	N	0	-	0
	LOG24-SLSC-24	1.79	N	0	-	0
	LOG24-SLSC-25	1.15	N	0	-	0
	LOG24-SLSC-26	1.22	N	0	-	0
	LOG24-SLSC-27	1.58	N	0	-	0
	LOG24-SLSC-28	1.73	N	0	-	0
	LOG24-SLSC-29	1.29	N	0	-	0
	LOG24-SLSC-30	1.11	N	0	-	0

Note:

Dashes (-) indicate not applicable.

Table 3.8-5 Summary of Slimy Sculpin Parasite Data for AEMP Lakes, 2024

Lake	n	Infected		Number of Parasites			Mean Parasite Weight (g)	Mean Parasite % of Fish Weight	Number with Cysts	Percent with Cysts
		Number	Percent	Mean	Min	Max				
Nanuq	30	2	6.7	0.10	0	2	0.11	1.13	1	3.3
Counts	30	13	43.3	1.25	0	5	0.40	7.38	0	0.0
Vulture	35	8	22.9	0.34	0	3	0.22	2.85	0	0.0
Northeast	30	6	20.0	0.23	0	2	0.25	2.61	3	10.0
Kodiak	43	20	46.5	1.12	0	10	0.49	8.20	1	2.3
Leslie	31	9	29.0	0.42	0	4	0.33	4.93	11	35.5
Moose	30	8	26.7	0.30	0	2	0.14	2.87	16	53.3
Nema	30	10	33.3	0.19	0	1	0.23	1.65	15	50.0
Slipper	31	9	29.0	0.55	0	5	0.28	5.16	24	77.4
Cujo	31	19	61.3	1.03	0	6	0.41	8.16	14	45.2
Horseshoe	30	9	30.0	0.80	0	9	0.34	3.63	1	3.3
HWL2	31	9	29.0	0.48	0	4	0.19	2.59	0	0.0
Ross	30	13	43.3	1.07	0	6	0.29	5.67	1	3.3
Logan	30	2	6.7	0.13	0	3	0.34	0.91	10	33.3
Total	**442**	**137**	**427.8**	**8.01**	**0**	**62**	**4.01**	**57.77**	**97**	**317.1**
Mean	32	10	30.6	0.57	0	4	0.29	4.13	7	22.6

Notes:

max = maximum value; min = minimum value; n = sample size

If a discrepancy occurred between two aging results the mean value was used.

Table 3.8-6 Summary of Slimy Sculpin Sex and Maturity Data for AEMP Lakes, 2024

Lake	n	Sex				Maturity				
		Male	Female	Unknown	Sex Ratio (M:F:U)	Unknown	Immature	Maturing	Mature	% Maturing or Mature
Nanuq	30	12	14	4	12:14:0	4	7	10	9	63.3
Counts	30	16	8	6	16:8:6	2	5	21	2	76.7
Vulture	35	9	17	9	9:17:9	7	12	15	1	45.7
Northeast	30	16	8	6	16:8:6	6	6	4	14	60.0
Kodiak	43	12	24	7	12:24:7	7	8	17	11	65.1
Leslie	31	13	11	7	13:11:7	-	1	29	1	96.8
Moose	30	18	5	7	18:5:7	7	2	13	8	70.0
Nema	30	13	16	1	13:16:1	1	4	9	16	83.3
Slipper	31	18	11	2	18:11:2	1	-	24	6	96.8
Cujo	31	14	13	4	14:13:4	4	9	7	11	58.1
Horseshoe	30	11	10	9	11:10:9	7	4	3	16	63.3
HWL2	31	13	7	11	13:7:11	6	6	14	5	61.3
Ross	30	17	12	1	17:12:1	1	2	25	2	90.0
Logan	30	15	14	1	15:14:1	1	7	10	12	73.3
Total	**442**	**197**	**170**	**75**	**-**	**54**	**73**	**201**	**114**	**-**

Notes:
n = sample size
Sex: M = male, F = female, U = unknown
Dash (-) indicates not applicable.

Table 3.8-7 Slimy Sculpin Gonad Weights for AEMP Lakes, 2024

Lake	Sampling Date	Fish ID	Sex	Maturity (0,1,2,3)	Gonad Weight (g)
Nanuq	30-Aug-2024	NAN24-SLSC-01	F	3	0.0844
	30-Aug-2024	NAN24-SLSC-02	M	3	0.0566
	30-Aug-2024	NAN24-SLSC-03	M	2	0.0142
	30-Aug-2024	NAN24-SLSC-04	M	1	0.0404
	30-Aug-2024	NAN24-SLSC-05	M	1	0.0072
	30-Aug-2024	NAN24-SLSC-06	M	2	0.0082
	30-Aug-2024	NAN24-SLSC-07	U	0	0.0050
	30-Aug-2024	NAN24-SLSC-08	M	2	0.0114
	30-Aug-2024	NAN24-SLSC-09	M	2	0.0288
	30-Aug-2024	NAN24-SLSC-10	M	1	0.0018
	30-Aug-2024	NAN24-SLSC-11	F	2	0.0456
	30-Aug-2024	NAN24-SLSC-12	F	2	0.0208
	30-Aug-2024	NAN24-SLSC-13	U	0	0.0024
	30-Aug-2024	NAN24-SLSC-14	U	0	0.0000
	30-Aug-2024	NAN24-SLSC-15	M	3	0.0686
	30-Aug-2024	NAN24-SLSC-16	F	3	0.0646
	30-Aug-2024	NAN24-SLSC-17	F	3	0.0852
	30-Aug-2024	NAN24-SLSC-18	F	3	0.1390
	30-Aug-2024	NAN24-SLSC-19	F	3	0.0540
	30-Aug-2024	NAN24-SLSC-20	F	2	0.0262
	30-Aug-2024	NAN24-SLSC-21	F	2	0.0262
	30-Aug-2024	NAN24-SLSC-22	M	3	0.0198
	30-Aug-2024	NAN24-SLSC-23	F	2	0.0370
	30-Aug-2024	NAN24-SLSC-24	M	3	0.0236
	30-Aug-2024	NAN24-SLSC-25	U	0	0.0000
	30-Aug-2024	NAN24-SLSC-26	F	1	0.1100
	30-Aug-2024	NAN24-SLSC-27	F	1	0.0132
	30-Aug-2024	NAN24-SLSC-28	M	1	0.0068
	30-Aug-2024	NAN24-SLSC-29	F	1	0.0130
	30-Aug-2024	NAN24-SLSC-30	F	2	0.0046

Lake	Sampling Date	Fish ID	Sex	Maturity (0,1,2,3)	Gonad Weight (g)
Counts	13-Aug-2024	CON24-SLSC-01	U	1	0.0108
	13-Aug-2024	CON24-SLSC-02	U	1	0.0084
	13-Aug-2024	CON24-SLSC-03	F	2	0.0142
	13-Aug-2024	CON24-SLSC-04	U	0	-
	13-Aug-2024	CON24-SLSC-05	F	1	0.0092
	13-Aug-2024	CON24-SLSC-06	F	2	0.0258
	13-Aug-2024	CON24-SLSC-07	M	3	0.05
	13-Aug-2024	CON24-SLSC-08	M	2	0.0038
	13-Aug-2024	CON24-SLSC-09	M	2	0.0044
	13-Aug-2024	CON24-SLSC-10	M	2	0.0056
	13-Aug-2024	CON24-SLSC-11	F	2	0.0064
	13-Aug-2024	CON24-SLSC-12	U	0	-
	13-Aug-2024	CON24-SLSC-13	F	2	0.0136
	13-Aug-2024	CON24-SLSC-14	U	1	0.0074
	13-Aug-2024	CON24-SLSC-15	F	2	0.0238
	13-Aug-2024	CON24-SLSC-16	M	2	0.0062
	13-Aug-2024	CON24-SLSC-17	M	2	0.0028
	13-Aug-2024	CON24-SLSC-18	F	2	0.0192
	13-Aug-2024	CON24-SLSC-19	M	2	0.0164
	13-Aug-2024	CON24-SLSC-20	U	1	0.006
	13-Aug-2024	CON24-SLSC-21	M	3	0.0728
	14-Aug-2024	CON24-SLSC-22	M	2	0.002
	14-Aug-2024	CON24-SLSC-23	M	2	0.0124
	14-Aug-2024	CON24-SLSC-24	F	2	0.0224
	14-Aug-2024	CON24-SLSC-25	M	2	0.012
	14-Aug-2024	CON24-SLSC-26	M	2	0.0076
	14-Aug-2024	CON24-SLSC-27	M	2	0.0086
	14-Aug-2024	CON24-SLSC-28	M	2	0.0072
	14-Aug-2024	CON24-SLSC-29	M	2	0.0318
	14-Aug-2024	CON24-SLSC-30	M	2	0.0404

Lake	Sampling Date	Fish ID	Sex	Maturity (0,1,2,3)	Gonad Weight (g)
Cujo	26-Aug-2024	CUJ24-SLSC-01	M	3	0.199
	26-Aug-2024	CUJ24-SLSC-02	F	1	0.025
	26-Aug-2024	CUJ24-SLSC-03	M	3	0.0602
	26-Aug-2024	CUJ24-SLSC-04	U	0	0.003
	26-Aug-2024	CUJ24-SLSC-05	F	1	0.0018
	26-Aug-2024	CUJ24-SLSC-06	M	3	0.188
	26-Aug-2024	CUJ24-SLSC-07	F	2	0.0078
	26-Aug-2024	CUJ24-SLSC-08	M	3	0.0896
	26-Aug-2024	CUJ24-SLSC-09	F	2	0.0112
	26-Aug-2024	CUJ24-SLSC-10	F	2	0.0108
	28-Aug-2024	CUJ24-SLSC-11	M	3	0.0408
	28-Aug-2024	CUJ24-SLSC-12	M	3	0.0646
	28-Aug-2024	CUJ24-SLSC-13	F	3	0.0726
	28-Aug-2024	CUJ24-SLSC-14	M	3	0.079
	28-Aug-2024	CUJ24-SLSC-15	U	0	0.0018
	28-Aug-2024	CUJ24-SLSC-16	M	1	0.0024
	28-Aug-2024	CUJ24-SLSC-17	F	1	0.0216
	28-Aug-2024	CUJ24-SLSC-18	M	3	0.1262
	28-Aug-2024	CUJ24-SLSC-19	U	0	0.015
	28-Aug-2024	CUJ24-SLSC-20	M	1	0.0164
	28-Aug-2024	CUJ24-SLSC-21	M	2	-
	28-Aug-2024	CUJ24-SLSC-22	M	2	0.0138
	28-Aug-2024	CUJ24-SLSC-23	M	2	0.0178
	28-Aug-2024	CUJ24-SLSC-24	F	2	0.0762
	28-Aug-2024	CUJ24-SLSC-25	M	3	0.078
	28-Aug-2024	CUJ24-SLSC-26	F	1	0.0168
	28-Aug-2024	CUJ24-SLSC-27	F	1	0.0344
	28-Aug-2024	CUJ24-SLSC-28	F	3	0.0446
	28-Aug-2024	CUJ24-SLSC-29	U	0	0.0004
	28-Aug-2024	CUJ24-SLSC-30	F	1	0.0052
	28-Aug-2024	CUJ24-SLSC-31	F	1	0.0106

Lake	Sampling Date	Fish ID	Sex	Maturity (0,1,2,3)	Gonad Weight (g)
Horseshoe	6-Sep-2024	HOS24-SLSC-01	M	2	0.049
	6-Sep-2024	HOS24-SLSC-02	U	0	-
	6-Sep-2024	HOS24-SLSC-03	F	1	0.028
	6-Sep-2024	HOS24-SLSC-04	U	0	-
	6-Sep-2024	HOS24-SLSC-05	M	1	0.0142
	6-Sep-2024	HOS24-SLSC-06	M	3	0.0535
	6-Sep-2024	HOS24-SLSC-07	M	3	0.0284
	6-Sep-2024	HOS24-SLSC-08	F	2	0.0434
	6-Sep-2024	HOS24-SLSC-09	M	3	0.0788
	6-Sep-2024	HOS24-SLSC-10	M	3	0.0352
	6-Sep-2024	HOS24-SLSC-11	M	3	0.0282
	7-Sep-2024	HOS24-SLSC-12	F	3	0.08
	7-Sep-2024	HOS24-SLSC-13	U	0	-
	7-Sep-2024	HOS24-SLSC-14	F	3	0.0598
	7-Sep-2024	HOS24-SLSC-15	U	0	-
	7-Sep-2024	HOS24-SLSC-16	U	0	-
	7-Sep-2024	HOS24-SLSC-17	U	0	-
	7-Sep-2024	HOS24-SLSC-18	M	3	0.1448
	7-Sep-2024	HOS24-SLSC-19	M	3	0.0942
	7-Sep-2024	HOS24-SLSC-20	M	3	0.0964
	7-Sep-2024	HOS24-SLSC-21	F	2	0.0564
	7-Sep-2024	HOS24-SLSC-22	M	3	0.121
	7-Sep-2024	HOS24-SLSC-23	F	3	0.0804
	7-Sep-2024	HOS24-SLSC-24	F	3	0.0848
	8-Sep-2024	HOS24-SLSC-25	F	3	0.1678
	8-Sep-2024	HOS24-SLSC-26	F	3	0.0646
	8-Sep-2024	HOS24-SLSC-27	U	0	0.0094
	8-Sep-2024	HOS24-SLSC-28	F	3	0.0364
	8-Sep-2024	HOS24-SLSC-29	U	1	0.0000
	8-Sep-2024	HOS24-SLSC-30	U	1	0.0000

Lake	Sampling Date	Fish ID	Sex	Maturity (0,1,2,3)	Gonad Weight (g)
HWL2	5-Aug-2024	HW224-SLSC-01	U	1	0.0036
	5-Aug-2024	HW224-SLSC-02	F	3	-
	5-Aug-2024	HW224-SLSC-03	U	0	0.0070
	5-Aug-2024	HW224-SLSC-04	M	2	0.0218
	5-Aug-2024	HW224-SLSC-05	M	1	0.0040
	5-Aug-2024	HW224-SLSC-06	U	1	0.0056
	10-Aug-2024	HW224-SLSC-07	M	3	0.0264
	10-Aug-2024	HW224-SLSC-08	U	2	0.014
	10-Aug-2024	HW224-SLSC-09	U	1	0.0022
	10-Aug-2024	HW224-SLSC-10	U	1	0.002
	10-Aug-2024	HW224-SLSC-11	M	3	0.0676
	10-Aug-2024	HW224-SLSC-12	U	0	0.004
	10-Aug-2024	HW224-SLSC-13	F	2	0.0095
	10-Aug-2024	HW224-SLSC-14	U	0	0.006
	10-Aug-2024	HW224-SLSC-15	U	0	0.0039
	11-Aug-2024	HW224-SLSC-16	F	2	0.0193
	11-Aug-2024	HW224-SLSC-17	M	2	-
	11-Aug-2024	HW224-SLSC-18	F	3	0.0207
	11-Aug-2024	HW224-SLSC-19	M	2	0.021
	11-Aug-2024	HW224-SLSC-20	U	0	0.0041
	11-Aug-2024	HW224-SLSC-21	M	2	0.0024
	11-Aug-2024	HW224-SLSC-22	F	2	0.0097
	11-Aug-2024	HW224-SLSC-23	M	2	0.0154
	11-Aug-2024	HW224-SLSC-24	U	0	0.0064
	11-Aug-2024	HW224-SLSC-25	M	2	0.0036
	11-Aug-2024	HW224-SLSC-26	F	2	0.0037
	11-Aug-2024	HW224-SLSC-27	M	2	0.0174
	11-Aug-2024	HW224-SLSC-28	M	1	-
	11-Aug-2024	HW224-SLSC-29	F	3	0.0241
	12-Aug-2024	HW224-SLSC-30	M	2	0.03
	12-Aug-2024	HW224-SLSC-31	M	2	0.0214

Lake	Sampling Date	Fish ID	Sex	Maturity (0,1,2,3)	Gonad Weight (g)
Kodiak	24-Aug-2024	KOD24-SLSC-01	M	2	0.0326
	24-Aug-2024	KOD24-SLSC-02	M	2	0.0198
	24-Aug-2024	KOD24-SLSC-03	M	2	0.02
	24-Aug-2024	KOD24-SLSC-04	U	0	0.0236
	24-Aug-2024	KOD24-SLSC-05	F	1	0.0278
	24-Aug-2024	KOD24-SLSC-06	F	2	0.0408
	24-Aug-2024	KOD24-SLSC-07	M	3	0.0252
	24-Aug-2024	KOD24-SLSC-08	U	0	0.0096
	24-Aug-2024	KOD24-SLSC-09	U	0	0.0000
	24-Aug-2024	KOD24-SLSC-10	F	2	0.0052
	24-Aug-2024	KOD24-SLSC-11	M	1	0.0132
	24-Aug-2024	KOD24-SLSC-12	F	3	0.0186
	24-Aug-2024	KOD24-SLSC-13	F	2	0.0250
	24-Aug-2024	KOD24-SLSC-14	F	2	0.0052
	24-Aug-2024	KOD24-SLSC-15	M	3	0.0234
	25-Aug-2024	KOD24-SLSC-16	F	2	0.0622
	25-Aug-2024	KOD24-SLSC-17	F	1	0.0286
	25-Aug-2024	KOD24-SLSC-18	M	3	0.0248
	25-Aug-2024	KOD24-SLSC-19	F	2	0.0382
	25-Aug-2024	KOD24-SLSC-20	M	3	0.0332
	25-Aug-2024	KOD24-SLSC-21	U	0	0.0000
	25-Aug-2024	KOD24-SLSC-22	U	0	0.0000
	25-Aug-2024	KOD24-SLSC-23	U	0	0.0030
	25-Aug-2024	KOD24-SLSC-24	M	2	0.0116
	25-Aug-2024	KOD24-SLSC-25	F	3	0.0400
	25-Aug-2024	KOD24-SLSC-26	U	0	0.0032
	25-Aug-2024	KOD24-SLSC-27	F	2	0.0182
	25-Aug-2024	KOD24-SLSC-28	F	3	0.0258
	4-Sep-2024	KOD24-SLSC-29	M	3	0.0770
	4-Sep-2024	KOD24-SLSC-30	M	1	0.0084
	4-Sep-2024	KOD24-SLSC-31	F	3	0.0460

Lake	Sampling Date	Fish ID	Sex	Maturity (0,1,2,3)	Gonad Weight (g)
	4-Sep-2024	KOD24-SLSC-32	F	1	0.0158
	4-Sep-2024	KOD24-SLSC-33	F	2	0.0354
	4-Sep-2024	KOD24-SLSC-34	M	2	0.0668
	4-Sep-2024	KOD24-SLSC-35	F	2	0.0276
	4-Sep-2024	KOD24-SLSC-36	F	2	0.0352
	4-Sep-2024	KOD24-SLSC-37	F	1	0.0168
	4-Sep-2024	KOD24-SLSC-38	F	1	0.0118
	4-Sep-2024	KOD24-SLSC-39	F	2	0.0170
	4-Sep-2024	KOD24-SLSC-40	F	2	0.0172
	4-Sep-2024	KOD24-SLSC-41	F	3	0.0368
	4-Sep-2024	KOD24-SLSC-42	F	3	0.0306
	4-Sep-2024	KOD24-SLSC-43	F	1	0.0012
Leslie	14-Aug-2024	LES24-SLSC-01	M	2	0.0308
	14-Aug-2024	LES24-SLSC-02	U	2	0.0036
	18-Aug-2024	LES24-SLSC-03	M	2	0.0210
	18-Aug-2024	LES24-SLSC-04	M	2	0.0368
	18-Aug-2024	LES24-SLSC-05	U	2	0.0022
	18-Aug-2024	LES24-SLSC-06	M	2	0.0108
	18-Aug-2024	LES24-SLSC-07	M	2	0.0178
	20-Aug-2024	LES24-SLSC-08	U	2	0.0046
	20-Aug-2024	LES24-SLSC-09	M	2	0.0134
	20-Aug-2024	LES24-SLSC-10	M	2	0.0178
	20-Aug-2024	LES24-SLSC-11	F	2	0.0250
	20-Aug-2024	LES24-SLSC-12	M	2	0.0394
	20-Aug-2024	LES24-SLSC-13	U	1	0.0032
	20-Aug-2024	LES24-SLSC-14	F	2	0.0106
	20-Aug-2024	LES24-SLSC-15	F	2	0.0156
	20-Aug-2024	LES24-SLSC-16	F	2	0.0474
	20-Aug-2024	LES24-SLSC-17	F	2	0.0450
	20-Aug-2024	LES24-SLSC-18	F	2	0.0102
	20-Aug-2024	LES24-SLSC-19	M	2	0.0130

Lake	Sampling Date	Fish ID	Sex	Maturity (0,1,2,3)	Gonad Weight (g)
	20-Aug-2024	LES24-SLSC-20	U	2	0.0092
	20-Aug-2024	LES24-SLSC-21	F	2	0.0156
	21-Aug-2024	LES24-SLSC-22	U	2	0.0098
	21-Aug-2024	LES24-SLSC-23	M	3	0.0632
	21-Aug-2024	LES24-SLSC-24	M	2	0.0322
	21-Aug-2024	LES24-SLSC-25	M	2	0.0314
	21-Aug-2024	LES24-SLSC-26	F	2	0.0656
	21-Aug-2024	LES24-SLSC-27	F	2	0.0254
	21-Aug-2024	LES24-SLSC-28	M	2	0.0344
	21-Aug-2024	LES24-SLSC-29	U	2	0.0104
	21-Aug-2024	LES24-SLSC-30	F	2	0.0126
	21-Aug-2024	LES24-SLSC-31	F	2	0.0306
Logan	3-Sep-2024	LOG24-SLSC-01	F	1	0.0064
	3-Sep-2024	LOG24-SLSC-02	F	2	0.0076
	3-Sep-2024	LOG24-SLSC-03	M	1	0.0358
	3-Sep-2024	LOG24-SLSC-04	M	2	0.0128
	3-Sep-2024	LOG24-SLSC-05	F	3	0.0326
	3-Sep-2024	LOG24-SLSC-06	F	1	0.0094
	3-Sep-2024	LOG24-SLSC-07	M	2	0.0134
	3-Sep-2024	LOG24-SLSC-08	M	3	0.0186
	3-Sep-2024	LOG24-SLSC-09	F	1	0.0104
	3-Sep-2024	LOG24-SLSC-10	F	2	0.0086
	3-Sep-2024	LOG24-SLSC-11	U	0	0.0000
	3-Sep-2024	LOG24-SLSC-12	M	3	0.0384
	3-Sep-2024	LOG24-SLSC-13	M	3	0.0888
	3-Sep-2024	LOG24-SLSC-14	F	3	0.0492
	3-Sep-2024	LOG24-SLSC-15	F	2	0.0424
	3-Sep-2024	LOG24-SLSC-16	F	2	0.0286
	3-Sep-2024	LOG24-SLSC-17	F	3	0.0394
	3-Sep-2024	LOG24-SLSC-18	M	3	0.0358
	3-Sep-2024	LOG24-SLSC-19	F	3	0.0244

Lake	Sampling Date	Fish ID	Sex	Maturity (0,1,2,3)	Gonad Weight (g)
	3-Sep-2024	LOG24-SLSC-20	F	3	0.0546
	3-Sep-2024	LOG24-SLSC-21	M	1	0.0040
	3-Sep-2024	LOG24-SLSC-22	M	1	0.0082
	3-Sep-2024	LOG24-SLSC-23	M	3	0.0420
	3-Sep-2024	LOG24-SLSC-24	F	3	0.0276
	3-Sep-2024	LOG24-SLSC-25	M	2	0.0152
	3-Sep-2024	LOG24-SLSC-26	M	2	0.0154
	3-Sep-2024	LOG24-SLSC-27	M	2	0.0238
	3-Sep-2024	LOG24-SLSC-28	F	1	0.0186
	3-Sep-2024	LOG24-SLSC-29	M	3	0.0240
	3-Sep-2024	LOG24-SLSC-30	M	2	0.0114
Moose	21-Aug-2024	MOO24-SLSC-01	M	2	0.0044
	21-Aug-2024	MOO24-SLSC-02	M	2	0.0028
	23-Aug-2024	MOO24-SLSC-03	M	3	0.0336
	23-Aug-2024	MOO24-SLSC-04	M	2	0.0352
	23-Aug-2024	MOO24-SLSC-05	F	2	0.0416
	23-Aug-2024	MOO24-SLSC-06	M	3	0.0232
	23-Aug-2024	MOO24-SLSC-07	M	3	0.0250
	23-Aug-2024	MOO24-SLSC-08	F	3	0.0304
	23-Aug-2024	MOO24-SLSC-09	M	1	0.0052
	23-Aug-2024	MOO24-SLSC-10	M	3	0.0166
	29-Aug-2024	MOO24-SLSC-11	F	3	0.0902
	29-Aug-2024	MOO24-SLSC-12	F	3	0.2160
	29-Aug-2024	MOO24-SLSC-13	M	2	0.0306
	29-Aug-2024	MOO24-SLSC-14	F	2	0.0718
	29-Aug-2024	MOO24-SLSC-15	M	2	0.1000
	29-Aug-2024	MOO24-SLSC-16	M	2	0.0322
	29-Aug-2024	MOO24-SLSC-17	U	0	0.0000
	29-Aug-2024	MOO24-SLSC-18	M	2	0.0228
	29-Aug-2024	MOO24-SLSC-19	U	0	0.0030
	29-Aug-2024	MOO24-SLSC-20	U	0	0.0058

Lake	Sampling Date	Fish ID	Sex	Maturity (0,1,2,3)	Gonad Weight (g)
	29-Aug-2024	MOO24-SLSC-21	U	0	0.0052
	29-Aug-2024	MOO24-SLSC-22	M	2	0.0236
	29-Aug-2024	MOO24-SLSC-23	M	1	0.0066
	29-Aug-2024	MOO24-SLSC-24	M	2	0.0250
	29-Aug-2024	MOO24-SLSC-25	U	0	0.0030
	29-Aug-2024	MOO24-SLSC-26	M	3	0.0156
	29-Aug-2024	MOO24-SLSC-27	M	2	0.0312
	29-Aug-2024	MOO24-SLSC-28	U	0	0.0004
	29-Aug-2024	MOO24-SLSC-29	M	2	0.0256
	29-Aug-2024	MOO24-SLSC-30	U	0	0.0108
Nema	2-Sep-2024	NEM24-SLSC-01	F	2	0.0646
	2-Sep-2024	NEM24-SLSC-02	M	3	0.0658
	2-Sep-2024	NEM24-SLSC-03	M	2	0.128
	2-Sep-2024	NEM24-SLSC-04	M	3	0.114
	2-Sep-2024	NEM24-SLSC-05	F	3	0.2124
	2-Sep-2024	NEM24-SLSC-06	M	2	0.0554
	2-Sep-2024	NEM24-SLSC-07	U	0	0.0068
	2-Sep-2024	NEM24-SLSC-08	F	3	0.0296
	2-Sep-2024	NEM24-SLSC-09	F	2	0.0268
	2-Sep-2024	NEM24-SLSC-10	M	1	0.0024
	2-Sep-2024	NEM24-SLSC-11	F	3	0.0772
	2-Sep-2024	NEM24-SLSC-12	F	3	0.055
	2-Sep-2024	NEM24-SLSC-13	M	1	0.0104
	2-Sep-2024	NEM24-SLSC-14	F	3	0.0176
	2-Sep-2024	NEM24-SLSC-15	F	3	0.0154
	2-Sep-2024	NEM24-SLSC-16	F	1	0.0394
	2-Sep-2024	NEM24-SLSC-17	M	3	0.0624
	9-Sep-2024	NEM24-SLSC-18	F	3	0.061
	9-Sep-2024	NEM24-SLSC-19	F	2	0.0196
	9-Sep-2024	NEM24-SLSC-20	M	2	0.0564
	9-Sep-2024	NEM24-SLSC-21	M	3	0.0216

Lake	Sampling Date	Fish ID	Sex	Maturity (0,1,2,3)	Gonad Weight (g)
	10-Sep-2024	NEM24-SLSC-22	M	2	0.03
	10-Sep-2024	NEM24-SLSC-23	F	2	0.0446
	10-Sep-2024	NEM24-SLSC-24	F	3	0.0688
	10-Sep-2024	NEM24-SLSC-25	F	3	0.0926
	12-Sep-2024	NEM24-SLSC-26	F	3	0.0778
	12-Sep-2024	NEM24-SLSC-27	M	3	0.0688
	12-Sep-2024	NEM24-SLSC-28	F	2	0.0244
	12-Sep-2024	NEM24-SLSC-29	M	3	0.0580
	12-Sep-2024	NEM24-SLSC-30	M	1	-
Northeast	31-Aug-2024	NE24-SLSC-01	F	3	0.0732
	31-Aug-2024	NE24-SLSC-02	M	3	0.077
	31-Aug-2024	NE24-SLSC-03	M	3	0.062
	31-Aug-2024	NE24-SLSC-04	M	3	0.0182
	31-Aug-2024	NE24-SLSC-05	U	0	0.0008
	31-Aug-2024	NE24-SLSC-06	U	0	0.0004
	31-Aug-2024	NE24-SLSC-07	F	1	0.0088
	31-Aug-2024	NE24-SLSC-08	M	3	0.0544
	1-Sep-2024	NE24-SLSC-09	M	3	0.0558
	1-Sep-2024	NE24-SLSC-10	F	1	0.005
	1-Sep-2024	NE24-SLSC-11	M	3	0.0262
	1-Sep-2024	NE24-SLSC-12	F	3	0.046
	1-Sep-2024	NE24-SLSC-13	M	3	0.0342
	1-Sep-2024	NE24-SLSC-14	U	0	0.0016
	1-Sep-2024	NE24-SLSC-15	M	3	0.0752
	1-Sep-2024	NE24-SLSC-16	U	0	0.0038
	1-Sep-2024	NE24-SLSC-17	M	3	0.0313
	1-Sep-2024	NE24-SLSC-18	F	3	0.0488
	1-Sep-2024	NE24-SLSC-19	F	3	0.0327
	1-Sep-2024	NE24-SLSC-20	U	0	0.0034
	1-Sep-2024	NE24-SLSC-21	M	2	0.0053
	1-Sep-2024	NE24-SLSC-22	F	2	0.0172

Lake	Sampling Date	Fish ID	Sex	Maturity (0,1,2,3)	Gonad Weight (g)
	1-Sep-2024	NE24-SLSC-23	F	3	0.0212
	1-Sep-2024	NE24-SLSC-24	M	1	0.0044
	1-Sep-2024	NE24-SLSC-25	M	2	0.0103
	1-Sep-2024	NE24-SLSC-26	M	1	0.0106
	1-Sep-2024	NE24-SLSC-27	U	0	-
	1-Sep-2024	NE24-SLSC-28	M	1	0.0062
	1-Sep-2024	NE24-SLSC-29	M	2	0.0115
	1-Sep-2024	NE24-SLSC-30	M	1	0.0056
Ross	19-Aug-2024	ROS24-SLSC-01	M	2	0.0174
	19-Aug-2024	ROS24-SLSC-02	M	2	0.011
	19-Aug-2024	ROS24-SLSC-03	F	2	0.0244
	19-Aug-2024	ROS24-SLSC-04	F	2	-
	19-Aug-2024	ROS24-SLSC-05	M	2	0.0122
	19-Aug-2024	ROS24-SLSC-06	M	2	0.007
	19-Aug-2024	ROS24-SLSC-07	M	3	0.0878
	19-Aug-2024	ROS24-SLSC-08	M	2	0.035
	19-Aug-2024	ROS24-SLSC-09	M	3	0.1256
	19-Aug-2024	ROS24-SLSC-10	F	2	0.0106
	19-Aug-2024	ROS24-SLSC-11	F	1	0.0185
	19-Aug-2024	ROS24-SLSC-12	F	2	0.0122
	19-Aug-2024	ROS24-SLSC-13	F	2	0.0443
	19-Aug-2024	ROS24-SLSC-14	F	2	0.0062
	19-Aug-2024	ROS24-SLSC-15	M	2	0.0138
	19-Aug-2024	ROS24-SLSC-16	M	2	0.0622
	19-Aug-2024	ROS24-SLSC-17	F	2	0.0254
	19-Aug-2024	ROS24-SLSC-18	F	2	0.0072
	19-Aug-2024	ROS24-SLSC-19	F	2	0.015
	19-Aug-2024	ROS24-SLSC-20	M	2	-
	19-Aug-2024	ROS24-SLSC-21	F	2	0.041
	19-Aug-2024	ROS24-SLSC-22	M	2	-
	19-Aug-2024	ROS24-SLSC-23	U	0	0.0016

Lake	Sampling Date	Fish ID	Sex	Maturity (0,1,2,3)	Gonad Weight (g)
	19-Aug-2024	ROS24-SLSC-24	M	1	0.008
	19-Aug-2024	ROS24-SLSC-25	M	2	0.0122
	19-Aug-2024	ROS24-SLSC-26	M	2	0.023
	19-Aug-2024	ROS24-SLSC-27	M	2	0.0066
	19-Aug-2024	ROS24-SLSC-28	F	2	0.0072
	19-Aug-2024	ROS24-SLSC-29	M	2	0.011
	19-Aug-2024	ROS24-SLSC-30	M	2	0.0116
Slipper	15-Aug-2024	SLP24-SLSC-01	M	2	0.0084
	15-Aug-2024	SLP24-SLSC-02	M	3	0.0356
	15-Aug-2024	SLP24-SLSC-03	F	3	0.0994
	15-Aug-2024	SLP24-SLSC-04	M	2	0.0074
	15-Aug-2024	SLP24-SLSC-05	F	2	0.0074
	15-Aug-2024	SLP24-SLSC-06	M	2	0.015
	15-Aug-2024	SLP24-SLSC-07	M	3	0.0644
	16-Aug-2024	SLP24-SLSC-08	F	2	0.0084
	16-Aug-2024	SLP24-SLSC-09	M	2	0.0386
	16-Aug-2024	SLP24-SLSC-10	F	2	0.0078
	16-Aug-2024	SLP24-SLSC-11	M	3	0.0468
	16-Aug-2024	SLP24-SLSC-12	M	2	0.0146
	16-Aug-2024	SLP24-SLSC-13	M	2	0.0058
	16-Aug-2024	SLP24-SLSC-14	M	3	0.0482
	16-Aug-2024	SLP24-SLSC-15	U	0	0.0088
	16-Aug-2024	SLP24-SLSC-16	M	3	0.023
	17-Aug-2024	SLP24-SLSC-17	M	2	0.0224
	17-Aug-2024	SLP24-SLSC-18	F	2	0.0366
	17-Aug-2024	SLP24-SLSC-19	M	2	0.0178
	17-Aug-2024	SLP24-SLSC-20	M	2	0.0124
	18-Aug-2024	SLP24-SLSC-21	M	2	0.0168
	18-Aug-2024	SLP24-SLSC-22	F	2	0.0166
	18-Aug-2024	SLP24-SLSC-23	U	2	0.007
	18-Aug-2024	SLP24-SLSC-24	F	2	0.0084

Lake	Sampling Date	Fish ID	Sex	Maturity (0,1,2,3)	Gonad Weight (g)
	18-Aug-2024	SLP24-SLSC-25	M	2	0.0096
	18-Aug-2024	SLP24-SLSC-26	M	2	0.013
	18-Aug-2024	SLP24-SLSC-27	M	2	0.0064
	18-Aug-2024	SLP24-SLSC-28	F	2	0.0062
	18-Aug-2024	SLP24-SLSC-29	F	2	0.0146
	18-Aug-2024	SLP24-SLSC-30	F	2	0.0092
	18-Aug-2024	SLP24-SLSC-31	F	2	0.018
Vulture	9-Aug-2024	VUL24-SLSC-01	F	1	0.0160
	9-Aug-2024	VUL24-SLSC-02	U	0	0.0122
	9-Aug-2024	VUL24-SLSC-03	U	0	0.0110
	9-Aug-2024	VUL24-SLSC-04	F	1	0.0142
	9-Aug-2024	VUL24-SLSC-05	M	1	0.0198
	9-Aug-2024	VUL24-SLSC-06	U	0	-
	9-Aug-2024	VUL24-SLSC-07	U	0	-
	10-Aug-2024	VUL24-SLSC-08	M	2	0.0340
	10-Aug-2024	VUL24-SLSC-09	M	1	0.0044
	10-Aug-2024	VUL24-SLSC-10	M	3	0.0112
	10-Aug-2024	VUL24-SLSC-11	U	0	0.0004
	11-Aug-2024	VUL24-SLSC-12	F	1	0.0122
	11-Aug-2024	VUL24-SLSC-13	M	1	0.0136
	11-Aug-2024	VUL24-SLSC-14	F	1	0.0110
	11-Aug-2024	VUL24-SLSC-15	U	0	0.0058
	11-Aug-2024	VUL24-SLSC-16	F	1	0.0176
	11-Aug-2024	VUL24-SLSC-17	F	2	0.0036
	11-Aug-2024	VUL24-SLSC-18	M	2	0.0024
	12-Aug-2024	VUL24-SLSC-19	F	1	0.0113
	12-Aug-2024	VUL24-SLSC-20	M	2	0.0110
	12-Aug-2024	VUL24-SLSC-21	U	1	0.0052
	12-Aug-2024	VUL24-SLSC-22	U	0	0.0000
	12-Aug-2024	VUL24-SLSC-23	U	1	0.0052
	12-Aug-2024	VUL24-SLSC-24	F	2	0.0280

Lake	Sampling Date	Fish ID	Sex	Maturity (0,1,2,3)	Gonad Weight (g)
	12-Aug-2024	VUL24-SLSC-25	F	2	0.0225
	12-Aug-2024	VUL24-SLSC-26	F	2	0.0115
	12-Aug-2024	VUL24-SLSC-27	F	2	0.0168
	12-Aug-2024	VUL24-SLSC-28	M	2	0.0028
	12-Aug-2024	VUL24-SLSC-29	F	1	0.0184
	12-Aug-2024	VUL24-SLSC-30	F	2	0.0104
	12-Aug-2024	VUL24-SLSC-31	F	2	0.0190
	14-Aug-2024	VUL24-SLSC-32	F	2	0.0148
	14-Aug-2024	VUL24-SLSC-33	F	2	0.0040
	14-Aug-2024	VUL24-SLSC-34	M	2	0.0028
	14-Aug-2024	VUL24-SLSC-35	F	2	0.0086

Notes:
n = sample size
Sex: M = male; F = female; U = unknown
Maturity: Maturity: 0 = unknown/undeveloped; 1 = maturing; 2 = mature
Dash (-) indicates not applicable.

Table 3.8-8 Summary of Gonadosomatic Index and Liver Somatic Index Data for Slimy Sculpin in AEMP Lakes, 2024

Lake	Parasite Infection (Y/N)	Sex	Gonadosomatic Index					Liver Somatic Index				
			n	Mean	SD	Min	Max	n	Mean	SD	Min	Max
Nanuq	Y	F	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-
		U	-	-	-	-	-	-	-	-	-	-
	N	F	8	1.45	0.48	0.49	1.99	11	4.01	0.91	2.45	5.56
		M	2	1.29	0.27	1.10	1.48	3	3.51	0.20	3.29	3.69
		U	-	-	-	-	-	1	-	-	-	2.56
Counts	Y	F	2	0.65	0.02	0.63	0.66	3	1.84	0.41	1.53	2.31
		M	6	0.30	0.15	0.17	0.53	6	1.92	0.40	1.38	2.39
		U	-	-	-	-	-	4	1.73	0.40	1.38	2.21
	N	F	5	1.00	0.39	0.46	1.39	5	3.35	1.08	2.20	4.78
		M	10	0.93	0.53	0.22	1.70	10	2.66	0.77	1.64	4.33
		U	-	-	-	-	-	2	2.37	0.46	2.05	2.69

Lake	Parasite Infection (Y/N)	Sex	Gonadosomatic Index					Liver Somatic Index				
			n	Mean	SD	Min	Max	n	Mean	SD	Min	Max
Vulture	Y	F	1	-	-	-	0.32	2	2.19	1.21	1.34	3.04
		M	2	0.57	0.52	0.20	0.94	3	3.00	1.23	1.88	4.32
		U	-	-	-	-	-	3	2.88	1.08	2.12	3.64
	N	F	9	1.18	0.50	0.42	2.05	15	3.53	1.20	1.98	6.13
		M	4	0.72	0.43	0.33	1.15	6	3.75	0.57	3.05	4.47
		U	-	-	-	-	-	6	2.82	0.40	2.36	3.31
Northeast	Y	F	-	-	-	-	-	1	-	-	-	1.81
		M	-	-	-	-	-	1	-	-	-	2.64
		U	-	-	-	-	-	4	2.26	0.24	1.92	2.49
	N	F	6	1.70	0.38	1.26	2.28	7	3.48	1.24	2.35	5.79
		M	12	1.44	0.40	0.68	2.18	15	2.68	0.66	1.60	3.89
		U	-	-	-	-	-	2	2.46	0.86	1.85	3.07
Kodiak	Y	F	3	0.58	0.33	0.21	0.82	7	1.88	0.78	1.06	2.93
		M	4.0	1.04	0.68	0.48	0.82	6	2.53	1.19	1.13	3.97
		U	-	-	-	-	-	7	1.79	0.69	0.94	2.87
	N	F	15	1.38	0.41	0.51	2.20	17	2.84	0.67	1.68	3.68
		M	6	1.34	0.39	0.74	1.87	6	2.57	0.93	1.69	4.01
		U	-	-	-	-	-	-	-	-	-	-
Leslie	Y	F	1	-	-	-	0.59	1	-	-	-	2.89
		M	1	-	-	-	0.55	1	-	-	-	2.37
		U	6	0.40	0.29	0.07	0.82	7	2.63	0.69	1.40	3.42
	N	F	10	1.10	0.42	0.36	1.75	10	3.76	0.40	3.14	4.31
		M	12	1.38	0.26	1.04	1.83	12	2.88	0.42	2.38	3.71
		U	-	-	-	-	-	-	-	-	-	-
Moose	Y	F	-	-	-	-	-	-	-	-	-	-
		M	2	1.04	-	1.04	1.04	2	3.01	-	3.01	3.01
		U	-	-	-	-	-	6	2.58	0.85	1.95	3.78
	N	F	5	1.50	0.17	1.28	1.75	5	4.23	0.90	3.26	5.07
		M	15	1.20	0.39	0.25	1.63	16	3.29	1.12	1.65	5.24
		U	-	-	-	-	-	1	-	-	-	6.32

Lake	Parasite Infection (Y/N)	Sex	Gonadosomatic Index					Liver Somatic Index				
			n	Mean	SD	Min	Max	n	Mean	SD	Min	Max
Nema	Y	F	5	1.34	0.54	0.85	2.20	5	3.11	1.18	1.38	4.61
		M	3	1.84	0.41	1.37	2.13	4	3.07	0.57	2.49	3.84
		U	-	-	-	-	-	1	-	-	-	2.90
	N	F	10	1.70	0.33	1.17	2.17	11	4.11	0.77	2.61	5.51
		M	6	1.68	0.20	1.42	1.99	8	3.03	0.73	1.90	4.33
		U	-	-	-	-	-	-	-	-	-	-
Slipper	Y	F	4	0.58	0.25	0.33	0.83	4	2.58	0.20	2.33	2.78
		M	4	0.60	0.23	0.41	0.89	4	2.51	0.42	2.13	3.05
		U	1	-	-	-	0.42	1	-	-	-	2.93
	N	F	7	1.46	0.44	0.80	2.02	7	3.63	0.85	2.88	5.39
		M	14	1.06	0.37	0.61	1.73	14	3.15	0.94	1.81	5.30
		U	-	-	-	-	-	1	4.36	-	-	4.36
Cujo	Y	F	3	0.43	0.20	0.27	0.65	9	3.10	1.46	1.21	6.04
		M	3	0.57	0.13	0.48	0.65	5	3.26	0.76	2.24	4.25
		U	-	-	-	-	-	4	2.98	0.86	2.11	3.79
	N	F	3	1.72	0.19	1.56	1.93	4	4.02	1.28	2.48	5.59
		M	8	1.91	0.24	1.51	2.22	8	3.50	0.85	2.81	5.27
		U	-	-	-	-	-	-	-	-	-	-
Horseshoe	Y	F	2	1.28	0.62	0.84	1.71	2	3.71	0.45	3.40	4.03
		M	-	-	-	-	-	1	-	-	-	3.17
		U	-	-	-	-	-	6	2.26	0.67	1.41	2.95
	N	F	7	2.04	0.23	1.72	2.37	8	4.04	0.88	2.58	5.45
		M	10	1.77	0.35	1.25	2.50	10	3.56	0.85	2.44	5.01
		U	-	-	-	-	-	3	4.67	1.29	3.60	6.10
HWL2	Y	F	3	0.90	0.07	0.85	0.95	3	2.58	0.81	2.01	3.15
		M	2	1.32	1.43	0.31	2.33	3	2.88	0.59	2.20	3.25
		U	1	-	-	-	0.67	3	2.17	0.50	1.63	2.61
	N	F	4	0.85	0.39	0.46	1.36	4	3.55	0.55	2.88	4.16
		M	9	1.19	0.39	0.34	1.48	10	3.12	0.81	2.22	4.45
		U	-	-	-	-	-	8	3.62	1.42	2.37	6.37

Lake	Parasite Infection (Y/N)	Sex	Gonadosomatic Index					Liver Somatic Index				
			n	Mean	SD	Min	Max	n	Mean	SD	Min	Max
Ross	Y	F	7	0.72	0.42	0.25	1.52	8	2.45	0.66	1.33	3.42
		M	1	-	-	-	0.47	4	2.83	0.77	1.85	3.55
		U	-	-	-	-	-	1	-	-	-	4.24
	N	F	4	1.02	0.32	0.74	1.46	4	3.42	0.67	2.50	4.06
		M	13	1.16	0.46	0.73	2.25	13	3.36	0.74	2.53	4.73
		U	-	-	-	-	-	-	-	-	-	-
Logan	Y	F	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	1	-	-	-	1.75
		U	-	-	-	-	-	1	-	-	-	3.56
	N	F	10	1.49	0.44	0.85	2.24	14	3.63	0.96	2.44	5.41
		M	12	1.55	0.41	1.01	2.20	14	2.75	0.66	2.04	4.24
		U	-	-	-	-	-	-	-	-	-	-

Notes:
Sex: M = male; F = female; U = unknown
max = maximum value; min = minimum value; n = sample size; N = no; SD = standard deviation from the mean; Y = yes
Dash (-) indicates not applicable.

3.8.3 Age

Ageing structures (otoliths) were collected from sacrificed Slimy Sculpin and were submitted for analysis. Ageing structures were analysed by North/South Consultants Ltd. Summary statistics for Slimy Sculpin age are presented in Table 3.8-9 and individual fish ages in Table 3.8-2.

Table 3.8-9 Summary of Slimy Sculpin Age Data for AEMP Lakes, 2024

Lake	Age (years)				
	n	Mean	SD	Min	Max
Nanuq	30	2.30	1.24	1	6
Counts	30	2.38	0.76	1	4
Vulture	30	2.30	0.75	1	5
Northeast	30	2.50	1.14	1	5
Kodiak	30	2.53	0.82	1	4
Leslie	30	2.53	0.90	1	5
Moose	30	2.43	1.10	1	6
Nema	30	3.35	1.42	1	8
Slipper	30	2.03	0.81	1	5
Cujo	30	2.65	0.92	1	5
Horseshoe	30	2.47	1.17	1	5
HWL2	30	1.93	1.05	1	6
Ross	30	2.23	0.90	1	5
Logan	29	2.26	0.54	1	3

Notes:
max = maximum value; min = minimum value; n = sample size; SD = standard deviation
Dash (-) indicates not applicable.

3.8.4 Diet

Stomachs were collected from sacrificed Slimy Sculpin and were submitted for taxonomic analysis. Taxonomic analyses were completed by Biologica Environmental Services. Slimy Sculpin stomach contents by taxonomic abundance are presented in Table 3.8-10 and by dry weight in Table 3.8-11.

Table 3.8-10 Slimy Sculpin Stomach Content by Taxonomic Abundance for AEMP Lakes, 2024

Lake				Nanuq											
Stomach #				1	2	3	4	5	6	7	8	9	10	11	12
Fish ID				NAN24-SLCS-01	NAN24-SLCS-02	NAN24-SLCS-03	NAN24-SLCS-04	NAN24-SLCS-05	NAN24-SLCS-06	NAN24-SLCS-07	NAN24-SLCS-08	NAN24-SLCS-09	NAN24-SLCS-10	NAN24-SLCS-11	NAN24-SLCS-12
Lab Sample ID				fs24-140-108	fs24-140-109	fs24-140-110	fs24-140-111	fs24-140-112	fs24-140-113	fs24-140-114	fs24-140-115	fs24-140-116	fs24-140-117	fs24-140-118	fs24-140-119
Sampling Date				30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24
Source	Major Group	Family	Taxon												
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Pionidae	Pionidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Acari indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Hydroporinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Gyrinidae	Gyrinidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Coleoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Ostracoda indet.	-	-	-	-	-	1	-	1	-	-	-	-
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	2	-	-	-	-	-	-	-	-	-	-	-
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Allocladius s sp.	-	-	-	-	-	-	-	1	-	-	-	-
			Chironomidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironomus sp.	7	4	-	3	-	-	-	-	-	-	-	-
			Cladotanytarsu s sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Cricotopus/Orthocladius sp. complex	-	-	-	1	-	3	3	2	-	-	-	-
			Cryptochironomus sp.	-	1	-	-	-	-	-	-	-	-	-	-
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Diamesinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dicrotendipes sp.	-	-	-	-	-	1	-	-	-	-	-	-
			Endochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius sp.	-	-	-	-	-	-	-	2	2	-	-	-
			Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra sp.	-	1	-	-	-	-	-	-	-	-	-	-
			Micropsectra/Tanytarsus sp. complex	86	-	-	-	-	-	-	-	-	-	-	-
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	-	-	-	-
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Non-Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Orthocladiinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Nanuq											
Stomach #				1	2	3	4	5	6	7	8	9	10	11	12
Fish ID				NAN24-SLCS-01	NAN24-SLCS-02	NAN24-SLCS-03	NAN24-SLCS-04	NAN24-SLCS-05	NAN24-SLCS-06	NAN24-SLCS-07	NAN24-SLCS-08	NAN24-SLCS-09	NAN24-SLCS-10	NAN24-SLCS-11	NAN24-SLCS-12
Lab Sample ID				fs24-140-108	fs24-140-109	fs24-140-110	fs24-140-111	fs24-140-112	fs24-140-113	fs24-140-114	fs24-140-115	fs24-140-116	fs24-140-117	fs24-140-118	fs24-140-119
Sampling Date				30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24
Source	Major Group	Family	Taxon												
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	-	-	-	4	-	2	21	2	-	1	1	-
			Pentaneurini indet.	-	1	-	-	-	1	-	-	-	-	-	-
			Phaenopsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia gaedii group	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-	-
			Procladius sp.	2	1	-	1	1	-	-	-	-	-	-	-
			Psectrocladius sp.	98	34	-	7	6	8	6	1	1	-	1	-
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Rheocricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Stictochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsini indet.	-	12	-	-	-	-	-	-	-	-	-	-
			Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-	-
	Hemiptera	Corixidae	Corixinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Corixini indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Neoplasta sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Hexatoma sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Muscidae	Muscidae indet.	1	-	-	-	-	-	1	-	-	-	1	-
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tipulidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Diptera indet.	-	2	-	-	-	-	-	-	-	-	-	-
		-	Tipuloidea indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	1	-	-	-
		Phryganeidae	Phryganeidae indet.	-	-	-	1	-	-	-	-	-	-	1	-
		-	Trichoptera indet.	-	-	-	-	-	-	-	-	2	-	3	-
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Nanuq												
Stomach #				1	2	3	4	5	6	7	8	9	10	11	12	
Fish ID				NAN24-SLCS-01	NAN24-SLCS-02	NAN24-SLCS-03	NAN24-SLCS-04	NAN24-SLCS-05	NAN24-SLCS-06	NAN24-SLCS-07	NAN24-SLCS-08	NAN24-SLCS-09	NAN24-SLCS-10	NAN24-SLCS-11	NAN24-SLCS-12	
Lab Sample ID				fs24-140-108	fs24-140-109	fs24-140-110	fs24-140-111	fs24-140-112	fs24-140-113	fs24-140-114	fs24-140-115	fs24-140-116	fs24-140-117	fs24-140-118	fs24-140-119	
Sampling Date				30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	
Source	Major Group	Family	Taxon													
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-	-	
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-	-	
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	Chydoridae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cladocera indet.	-	-	-	-	-	-	1	-	-	-	-	-	
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-	-	
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Nematomorpha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:

Indet. = indeterminate; sp. = species

Taxonomic analysis completed by Biologica Environmental Services.

Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Nanuq *(cont'd)*													
Stomach #				**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Fish ID				**NAN24-SLCS-13**	**NAN24-SLCS-14**	**NAN24-SLCS-15**	**NAN24-SLCS-16**	**NAN24-SLCS-17**	**NAN24-SLCS-18**	**NAN24-SLCS-19**	**NAN24-SLCS-20**	**NAN24-SLCS-21**	**NAN24-SLCS-22**	**NAN24-SLCS-23**	**NAN24-SLCS-24**
Lab Sample ID				**fs24-140-120**	**fs24-140-121**	**fs24-140-122**	**fs24-140-123**	**fs24-140-124**	**fs24-140-125**	**fs24-140-126**	**fs24-140-127**	**fs24-140-128**	**fs24-140-129**	**fs24-140-130**	**fs24-140-131**
Sampling Date				**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**
Source	**Major Group**	**Family**	**Taxon**												
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Pionidae	Pionidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Acari indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Hydroporinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Gyrinidae	Gyrinidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Coleoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	-	1	1	1	1	-	-	-	-	-
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Allocladius s sp.	-	-	1	-	-	-	-	-	-	-	-	-
			Chironomidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironomus sp.	2	-	-	-	6	-	-	-	-	2	26	2
			Cladotanytarsu s sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Corynocera sp.	-	-	6	-	-	-	-	-	-	-	-	-
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Cricotopus/Orthocladius sp. complex	-	-	2	6	5	1	-	-	-	2	3	-
			Cryptochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Diamesinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dicrotendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Endochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius sp.	-	-	7	-	-	-	1	-	1	-	-	-
			Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra/Tanytarsus sp. complex	-	-	-	-	-	-	-	-	-	-	1	-
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	-	-	-	-
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Non-Pentaneurini indet.	-	1	-	-	-	-	-	-	-	-	-	-
			Orthocladiinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
Indet. = indeterminate; sp. = species
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Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Nanuq *(cont'd)*												
Stomach #				13	14	15	16	17	18	19	20	21	22	23	24	
Fish ID				NAN24-SLCS-13	NAN24-SLCS-14	NAN24-SLCS-15	NAN24-SLCS-16	NAN24-SLCS-17	NAN24-SLCS-18	NAN24-SLCS-19	NAN24-SLCS-20	NAN24-SLCS-21	NAN24-SLCS-22	NAN24-SLCS-23	NAN24-SLCS-24	
Lab Sample ID				fs24-140-120	fs24-140-121	fs24-140-122	fs24-140-123	fs24-140-124	fs24-140-125	fs24-140-126	fs24-140-127	fs24-140-128	fs24-140-129	fs24-140-130	fs24-140-131	
Sampling Date				30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	
Source	Major Group	Family	Taxon													
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	2	3	-	-	4	2	3	-	1	-	4	3	
			Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-	1	
			Phaenopsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Potthastia gaedii group	-	-	-	-	-	-	-	-	-	-	-	-	
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-	-	
			Procladius sp.	-	-	2	-	-	3	-	-	-	1	4	-	
			Psectrocladius sp.	4	10	6	30	24	16	8	-	-	5	8	13	
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Rheocricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Stictochironomus sp.	-	-	-	-	1	-	-	-	-	-	1	-	
			Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Tanytarsini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Zalutschia sp.	-	-	-	2	-	-	-	-	-	-	2	1	
	Hemiptera	Corixidae	Corixinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Corixini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Neoplasta sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Hexatoma sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Muscidae	Muscidae indet.	-	-	-	-	-	-	-	-	-	-	-	3	
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Tipulidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Diptera indet.	-	-	4	-	-	-	1	-	9	-	-	-	
		-	Tipuloidea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	4	-	-	-	
		Phryganeidae	Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera indet.	1	-	-	-	-	-	-	-	-	-	-	-	
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:
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Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Nanuq *(cont'd)*												
Stomach #				13	14	15	16	17	18	19	20	21	22	23	24	
Fish ID				NAN24-SLCS-13	NAN24-SLCS-14	NAN24-SLCS-15	NAN24-SLCS-16	NAN24-SLCS-17	NAN24-SLCS-18	NAN24-SLCS-19	NAN24-SLCS-20	NAN24-SLCS-21	NAN24-SLCS-22	NAN24-SLCS-23	NAN24-SLCS-24	
Lab Sample ID				fs24-140-120	fs24-140-121	fs24-140-122	fs24-140-123	fs24-140-124	fs24-140-125	fs24-140-126	fs24-140-127	fs24-140-128	fs24-140-129	fs24-140-130	fs24-140-131	
Sampling Date				30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	
Source	Major Group	Family	Taxon													
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-	-	
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-	-	
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	Chydoridae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	1	-	
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cladocera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-	-	
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Nematomorpha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:

Indet. = indeterminate; sp. = species

Taxonomic analysis completed by Biologica Environmental Services.

Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Nanuq *(cont'd)*						Counts					
Stomach #				25	26	27	28	29	30	1	2	3	4	5	6
Fish ID				NAN24-SLCS-25	NAN24-SLCS-26	NAN24-SLCS-27	NAN24-SLCS-28	NAN24-SLCS-29	NAN24-SLCS-30	CON24-SLSC-01	CON24-SLSC-02	CON24-SLSC-03	CON24-SLSC-04	CON24-SLSC-05	CON24-SLSC-06
Lab Sample ID				fs24-140-132	fs24-140-133	fs24-140-134	fs24-140-135	fs24-140-136	fs24-140-137	fs24-140-001	fs24-140-002	fs24-140-003	fs24-140-004	fs24-140-005	fs24-140-006
Sampling Date				30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24
Source	Major Group	Family	Taxon												
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Pionidae	Pionidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Acari indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Oribatida indet.	-	-	-	-	-	-	-	-	1	-	-	-
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Hydroporinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Gyrinidae	Gyrinidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Coleoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Ostracoda indet.	-	-	-	-	-	-	1	-	-	-	-	-
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	-	-	-	-	-	-	-	-	-	2
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Allocladiu s sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironomidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	1	-
			Chironomus sp.	-	-	-	-	1	-	-	7	1	-	-	26
			Cladotanytarsu s sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Cricotopus/Orthocladius sp. complex	-	-	-	-	-	-	-	-	-	-	-	1
			Cryptochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Diamesinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dicrotendipes sp.	-	-	-	-	-	1	23	-	-	1	-	-
			Endochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra/Tanytarsus sp. complex	-	-	-	-	3	-	6	-	1	-	-	-
			Microtendipes pedellus group	-	-	-	-	-	-	2	4	-	6	2	-
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Non-Pentaneurini indet.	-	-	-	-	-	-	1	2	3	-	-	-
			Orthocladiinae indet.	-	-	-	-	-	-	7	1	-	1	1	-
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
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Lake				Nanuq *(cont'd)*						Counts					
Stomach #				25	26	27	28	29	30	1	2	3	4	5	6
Fish ID				NAN24-SLCS-25	NAN24-SLCS-26	NAN24-SLCS-27	NAN24-SLCS-28	NAN24-SLCS-29	NAN24-SLCS-30	CON24-SLSC-01	CON24-SLSC-02	CON24-SLSC-03	CON24-SLSC-04	CON24-SLSC-05	CON24-SLSC-06
Lab Sample ID				fs24-140-132	fs24-140-133	fs24-140-134	fs24-140-135	fs24-140-136	fs24-140-137	fs24-140-001	fs24-140-002	fs24-140-003	fs24-140-004	fs24-140-005	fs24-140-006
Sampling Date				30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24
Source	Major Group	Family	Taxon												
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	-	-	1	-	1	-	2	-	1	-	-	3
			Pentaneurini indet.	-	-	-	-	-	-	2	1	1	1	-	-
			Phaenopsectra sp.	-	-	-	-	-	-	1	-	-	-	-	-
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia gaedii group	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-	-
			Procladius sp.	-	-	-	-	1	-	-	-	-	-	-	2
			Psectrocladius sp.	5	-	17	2	8	9	7	1	13	-	-	7
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Rheocricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Stictochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsini indet.	-	-	-	-	-	-	-	-	-	4	1	-
			Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Zalutschia sp.	-	-	1	-	-	-	-	-	-	-	-	1
	Hemiptera	Corixidae	Corixinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Corixini indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Neoplasta sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Hexatoma sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Muscidae	Muscidae indet.	-	-	1	-	-	-	-	-	-	-	-	-
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tipulidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Tipuloidea indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Phryganeidae	Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera indet.	-	-	-	4	-	1	-	-	-	-	-	-
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Nanuq *(cont'd)*						Counts					
Stomach #				25	26	27	28	29	30	1	2	3	4	5	6
Fish ID				NAN24-SLCS-25	NAN24-SLCS-26	NAN24-SLCS-27	NAN24-SLCS-28	NAN24-SLCS-29	NAN24-SLCS-30	CON24-SLSC-01	CON24-SLSC-02	CON24-SLSC-03	CON24-SLSC-04	CON24-SLSC-05	CON24-SLSC-06
Lab Sample ID				fs24-140-132	fs24-140-133	fs24-140-134	fs24-140-135	fs24-140-136	fs24-140-137	fs24-140-001	fs24-140-002	fs24-140-003	fs24-140-004	fs24-140-005	fs24-140-006
Sampling Date				30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24
Source	Major Group	Family	Taxon												
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-	-
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-	-
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-	-
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-	-
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-	-
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	-	-	-	-	-	-	-	-
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Chydoridae	Chydoridae indet.	4	-	-	-	-	-	-	-	-	-	-	-
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Cladocera indet.	-	-	-	-	1	-	-	-	-	-	-	-
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-	-
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Nematomorpha indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

Indet. = indeterminate; sp. = species

Taxonomic analysis completed by Biologica Environmental Services.

Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Counts *(cont'd)*													
Stomach #				7	8	9	10	11	12	13	14	15	16	17	18		
Fish ID				CON24-SLSC-07	CON24-SLSC-08	CON24-SLSC-09	CON24-SLSC-10	CON24-SLSC-11	CON24-SLSC-12	CON24-SLSC-13	CON24-SLSC-14	CON24-SLSC-15	CON24-SLSC-16	CON24-SLSC-17	CON24-SLSC-18		
Lab Sample ID				fs24-140-007	fs24-140-008	fs24-140-009	fs24-140-010	fs24-140-388	fs24-140-389	fs24-140-390	fs24-140-391	fs24-140-392	fs24-140-393	fs24-140-394	fs24-140-395		
Sampling Date				13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24		
Source	Major Group	Family	Taxon														
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		Pionidae	Pionidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Acari indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-	-		
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Hydroporinae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		Gyrinidae	Gyrinidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Coleoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-		
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-	-		
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	1	-	-	-	-	-	-	-	-	-		
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Allocladiu s sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironomidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironomus sp.	1	-	1	-	-	-	4	-	-	-	-	-		
			Cladotanytarsu s sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Corynoneura sp.	-	-	-	-	-	-	-	-	1	-	-	-		
			Cricotopus/Orthocladius sp. complex	-	-	-	2	-	-	-	4	-	-	-	-		
			Cryptochironomus sp.	1	-	-	-	-	4	-	-	-	-	-	-		
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Diamesinae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Dicrotendipes sp.	-	2	4	9	3	5	-	5	1	-	-	-		
			Endochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Glyptotendipes sp.	-	-	-	-	-	-	1	-	-	-	-	-		
			Heterotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-	-		
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Micropsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Micropsectra/Tanytarsus sp. complex	-	-	-	-	-	-	-	3	1	-	-	-		
			Microtendipes pedellus group	-	12	24	-	-	-	-	-	-	-	-	-		
			Microtendipes sp.	-	-	-	-	10	8	2	15	-	-	1	5		
			Non-Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Orthocladiinae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-		

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Lake				Counts *(cont'd)*												
Stomach #				7	8	9	10	11	12	13	14	15	16	17	18	
Fish ID				CON24-SLSC-07	CON24-SLSC-08	CON24-SLSC-09	CON24-SLSC-10	CON24-SLSC-11	CON24-SLSC-12	CON24-SLSC-13	CON24-SLSC-14	CON24-SLSC-15	CON24-SLSC-16	CON24-SLSC-17	CON24-SLSC-18	
Lab Sample ID				fs24-140-007	fs24-140-008	fs24-140-009	fs24-140-010	fs24-140-388	fs24-140-389	fs24-140-390	fs24-140-391	fs24-140-392	fs24-140-393	fs24-140-394	fs24-140-395	
Sampling Date				13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	
Source	Major Group	Family	Taxon													
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	-	1	1	1	-	1	-	7	-	-	-	-	
			Pentaneurini indet.	-	-	-	3	-	-	-	-	-	-	2	1	
			Phaenopsectra sp.	-	-	1	-	2	-	-	-	1	-	-	-	
			Polypedilum sp.	-	-	-	-	-	-	-	1	-	-	-	-	
			Potthastia gaedii group	-	-	-	-	-	-	-	-	-	-	-	-	
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-	-	
			Procladius sp.	-	-	-	-	1	-	-	-	-	-	-	-	
			Psectrocladius sp.	-	-	-	45	5	2	-	1	1	-	8	1	
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Rheocricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Stictochironomus sp.	-	-	1	-	-	-	1	-	-	-	-	-	
			Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Tanytarsini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-	-	
	Hemiptera	Corixidae	Corixinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Corixini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Neoplasta sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Hexatoma sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Muscidae	Muscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	-	-	-	-	-	1	
			Tipulidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Diptera indet.	-	-	-	-	-	-	-	1	-	-	-	-	
		-	Tipuloidea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Phryganeidae	Phryganeidae indet.	4	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Counts *(cont'd)*												
Stomach #				7	8	9	10	11	12	13	14	15	16	17	18	
Fish ID				CON24-SLSC-07	CON24-SLSC-08	CON24-SLSC-09	CON24-SLSC-10	CON24-SLSC-11	CON24-SLSC-12	CON24-SLSC-13	CON24-SLSC-14	CON24-SLSC-15	CON24-SLSC-16	CON24-SLSC-17	CON24-SLSC-18	
Lab Sample ID				fs24-140-007	fs24-140-008	fs24-140-009	fs24-140-010	fs24-140-388	fs24-140-389	fs24-140-390	fs24-140-391	fs24-140-392	fs24-140-393	fs24-140-394	fs24-140-395	
Sampling Date				13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	
Source	Major Group	Family	Taxon													
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-	-	
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-	-	
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	Chydoridae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cladocera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-	-	
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Nematomorpha indet.	-	1	-	-	-	-	-	-	-	-	-	-	
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:

Indet. = indeterminate; sp. = species

Taxonomic analysis completed by Biologica Environmental Services.

Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Counts *(cont'd)*												
Stomach #				19	20	21	22	23	24	25	26	27	28	29	30	
Fish ID				CON24-SLSC-19	CON24-SLSC-20	CON24-SLSC-21	CON24-SLSC-22	CON24-SLSC-23	CON24-SLSC-24	CON24-SLSC-25	CON24-SLSC-26	CON24-SLSC-27	CON24-SLSC-28	CON24-SLSC-29	CON24-SLSC-30	
Lab Sample ID				fs24-140-396	fs24-140-397	fs24-140-398	fs24-140-399	fs24-140-400	fs24-140-401	fs24-140-402	fs24-140-403	fs24-140-404	fs24-140-405	fs24-140-406	fs24-140-407	
Sampling Date				13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	14-Aug-24	14-Aug-24	14-Aug-24	14-Aug-24	14-Aug-24	14-Aug-24	14-Aug-24	14-Aug-24	
Source	Major Group	Family	Taxon													
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Pionidae	Pionidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Acari indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Hydroporinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Gyrinidae	Gyrinidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Coleoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	1	-	1	-	2	3	-	-	2	1	-	
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Allocladiu s sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Chironomidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Chironomus sp.	6	-	22	-	-	-	-	-	-	1	3	4	
			Cladotanytarsu s sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Corynoneura sp.	-	-	-	-	-	1	-	-	-	-	1	-	
			Cricotopus/Orthocladius sp. complex	-	-	-	3	-	-	24	-	-	-	-	-	
			Cryptochironomus sp.	2	-	1	-	-	-	-	-	-	-	-	-	
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Diamesinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Dicrotendipes sp.	-	-	-	8	-	3	9	7	10	2	1	-	
			Endochironomus sp.	-	-	1	-	-	-	-	-	-	-	-	-	
			Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Heterotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-	1	
			Heterotrissocladius sp.	-	-	-	1	-	-	-	-	-	-	-	-	
			Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Micropsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Micropsectra/Tanytarsus sp. complex	-	-	-	-	-	-	-	-	-	-	-	-	
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	-	-	-	-	
			Microtendipes sp.	3	-	1	-	-	-	-	-	-	-	-	-	
			Non-Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Orthocladiinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Counts *(cont'd)*												
Stomach #				19	20	21	22	23	24	25	26	27	28	29	30	
Fish ID				CON24-SLSC-19	CON24-SLSC-20	CON24-SLSC-21	CON24-SLSC-22	CON24-SLSC-23	CON24-SLSC-24	CON24-SLSC-25	CON24-SLSC-26	CON24-SLSC-27	CON24-SLSC-28	CON24-SLSC-29	CON24-SLSC-30	
Lab Sample ID				fs24-140-396	fs24-140-397	fs24-140-398	fs24-140-399	fs24-140-400	fs24-140-401	fs24-140-402	fs24-140-403	fs24-140-404	fs24-140-405	fs24-140-406	fs24-140-407	
Sampling Date				13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	14-Aug-24	14-Aug-24	14-Aug-24	14-Aug-24	14-Aug-24	14-Aug-24	14-Aug-24	14-Aug-24	
Source	Major Group	Family	Taxon													
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	-	-	-	6	-	1	6	1	-	-	-	-	
			Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Phaenopsectra sp.	-	-	1	-	-	-	-	-	-	-	-	-	
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Potthastia gaedii group	-	-	-	-	-	-	-	-	-	-	-	-	
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-	-	
			Procladius sp.	2	-	-	11	-	6	-	-	-	-	1	1	
			Psectrocladius sp.	3	1	-	-	3	8	10	2	10	40	18	-	
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Rheocricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Stictochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Tanytarsini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Zalutschia sp.	-	1	-	-	-	-	1	-	1	-	22	-	
	Hemiptera	Corixidae	Corixinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Corixini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Neoplasta sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Hexatoma sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Muscidae	Muscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Tipulidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Tipuloidea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Phryganeidae	Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	2	
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Counts *(cont'd)*												
Stomach #				19	20	21	22	23	24	25	26	27	28	29	30	
Fish ID				CON24-SLSC-19	CON24-SLSC-20	CON24-SLSC-21	CON24-SLSC-22	CON24-SLSC-23	CON24-SLSC-24	CON24-SLSC-25	CON24-SLSC-26	CON24-SLSC-27	CON24-SLSC-28	CON24-SLSC-29	CON24-SLSC-30	
Lab Sample ID				fs24-140-396	fs24-140-397	fs24-140-398	fs24-140-399	fs24-140-400	fs24-140-401	fs24-140-402	fs24-140-403	fs24-140-404	fs24-140-405	fs24-140-406	fs24-140-407	
Sampling Date				13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	14-Aug-24	14-Aug-24	14-Aug-24	14-Aug-24	14-Aug-24	14-Aug-24	14-Aug-24	14-Aug-24	
Source	Major Group	Family	Taxon													
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-	-	
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-	-	
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	Chydoridae indet.	-	-	-	-	-	-	1	-	-	-	-	-	
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cladocera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-	-	
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	1	-	-	-	-	-	-	-	-	
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Nematomorpha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:

Indet. = indeterminate; sp. = species

Taxonomic analysis completed by Biologica Environmental Services.

Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Vulture											
Stomach #				1	2	3	4	5	6	7	8	9	10	11	12
Fish ID				VUL24-SLSC-01	VUL24-SLSC-02	VUL24-SLSC-03	VUL24-SLSC-04	VUL24-SLSC-05	VUL24-SLSC-06	VUL24-SLSC-07	VUL24-SLSC-09	VUL24-SLSC-10	VUL24-SLSC-11	VUL24-SLSC-12	VUL24-SLSC-13
Lab Sample ID				fs24-140-302	fs24-140-303	fs24-140-304	fs24-140-305	fs24-140-306	fs24-140-307	fs24-140-308	fs24-140-310	fs24-140-311	fs24-140-312	fs24-140-313	fs24-140-314
Sampling Date				9-Aug-24	9-Aug-24	9-Aug-24	9-Aug-24	9-Aug-24	9-Aug-24	9-Aug-24	10-Aug-24	10-Aug-24	10-Aug-24	11-Aug-24	11-Aug-24
Source	Major Group	Family	Taxon												
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Pionidae	Pionidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Acari indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Hydroporinae indet.	-	-	-	-	-	-	-	-	-	-	-	1
		Gyrinidae	Gyrinidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Coleoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Allocladiu s sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironomidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironomini indet.	-	-	-	-	-	2	-	-	-	-	-	-
			Chironomus sp.	3	-	5	3	10	14	1	19	-	-	-	-
			Cladotanytarsu s sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Cricotopus/Orthocladius sp. complex	-	-	-	2	-	2	-	-	-	1	1	2
			Cryptochironomus sp.	-	7	-	-	3	3	-	-	-	-	-	-
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-	1
			Diamesinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dicrotendipes sp.	-	-	-	-	-	-	-	-	-	-	1	-
			Endochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius marcidus	6	60	1	-	1	1	1	2	-	-	-	8
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra/Tanytarsus sp. complex	-	-	-	-	2	-	-	-	-	-	1	-
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	-	-	-	-
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Non-Pentaneurini indet.	-	-	-	-	1	-	-	-	-	-	-	-
			Orthocladiinae indet.	-	-	-	-	-	1	-	-	-	-	-	1
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Vulture											
Stomach #				1	2	3	4	5	6	7	8	9	10	11	12
Fish ID				VUL24-SLSC-01	VUL24-SLSC-02	VUL24-SLSC-03	VUL24-SLSC-04	VUL24-SLSC-05	VUL24-SLSC-06	VUL24-SLSC-07	VUL24-SLSC-09	VUL24-SLSC-10	VUL24-SLSC-11	VUL24-SLSC-12	VUL24-SLSC-13
Lab Sample ID				fs24-140-302	fs24-140-303	fs24-140-304	fs24-140-305	fs24-140-306	fs24-140-307	fs24-140-308	fs24-140-310	fs24-140-311	fs24-140-312	fs24-140-313	fs24-140-314
Sampling Date				9-Aug-24	9-Aug-24	9-Aug-24	9-Aug-24	9-Aug-24	9-Aug-24	9-Aug-24	10-Aug-24	10-Aug-24	10-Aug-24	11-Aug-24	11-Aug-24
Source	Major Group	Family	Taxon												
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	-	-	-	-	1	2	-	-	-	-	-	-
			Pentaneurini indet.	-	-	3	-	-	-	-	-	1	-	3	-
			Phaenopsectra sp.	-	-	-	1	1	-	-	-	-	-	-	-
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia gaedii group	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-	-
			Procladius sp.	1	1	1	-	1	-	-	-	-	-	-	-
			Psectrocladius sp.	-	-	1	-	-	7	-	-	-	-	-	-
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Rheocricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Stictochironomus sp.	-	1	-	-	-	-	-	-	-	-	-	-
			Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsini indet.	-	-	6	1	2	3	-	8	2	5	-	6
			Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-	-
	Hemiptera	Corixidae	Corixinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Corixini indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	-	-	-	-	1	-	-	1
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Neoplasta sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Hexatoma sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Muscidae	Muscidae indet.	-	1	-	-	-	-	-	-	-	-	-	-
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tipulidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Diptera indet.	-	-	-	-	-	-	1	-	-	-	-	2
		-	Tipuloidea indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	1	-	-
		Phryganeidae	Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
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Lake				Vulture												
Stomach #				1	2	3	4	5	6	7	8	9	10	11	12	
Fish ID				VUL24-SLSC-01	VUL24-SLSC-02	VUL24-SLSC-03	VUL24-SLSC-04	VUL24-SLSC-05	VUL24-SLSC-06	VUL24-SLSC-07	VUL24-SLSC-09	VUL24-SLSC-10	VUL24-SLSC-11	VUL24-SLSC-12	VUL24-SLSC-13	
Lab Sample ID				fs24-140-302	fs24-140-303	fs24-140-304	fs24-140-305	fs24-140-306	fs24-140-307	fs24-140-308	fs24-140-310	fs24-140-311	fs24-140-312	fs24-140-313	fs24-140-314	
Sampling Date				9-Aug-24	9-Aug-24	9-Aug-24	9-Aug-24	9-Aug-24	9-Aug-24	9-Aug-24	10-Aug-24	10-Aug-24	10-Aug-24	11-Aug-24	11-Aug-24	
Source	Major Group	Family	Taxon													
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-	-	
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-	-	
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	Chydoridae indet.	-	-	-	-	-	-	-	-	-	2	-	-	
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cladocera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-	-	
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Nematomorpha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:

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Lake				Vulture *(cont'd)*													
Stomach #				13	14	15	16	17	18	19	20	21	22	23	24		
Fish ID				VUL24-SLSC-14	VUL24-SLSC-15	VUL24-SLSC-16	VUL24-SLSC-17	VUL24-SLSC-18	VUL24-SLSC-22	VUL24-SLSC-24	VUL24-SLSC-25	VUL24-SLSC-26	VUL24-SLSC-27	VUL24-SLSC-28	VUL24-SLSC-29		
Lab Sample ID				fs24-140-315	fs24-140-316	fs24-140-317	fs24-140-318	fs24-140-319	fs24-140-323	fs24-140-325	fs24-140-326	fs24-140-327	fs24-140-328	fs24-140-329	fs24-140-330		
Sampling Date				11-Aug-24	11-Aug-24	11-Aug-24	11-Aug-24	11-Aug-24	12-Aug-24	12-Aug-24	12-Aug-24	12-Aug-24	12-Aug-24	12-Aug-24	12-Aug-24		
Source	Major Group	Family	Taxon														
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		Pionidae	Pionidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Acari indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-	-		
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Hydroporinae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		Gyrinidae	Gyrinidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Coleoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-		
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-	-		
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Allocladiu s sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironomidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironomus sp.	-	-	-	-	-	-	1	-	-	-	-	-		
			Cladotanytarsu s sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Cricotopus/Orthocladius sp. complex	1	-	-	-	4	39	-	-	7	-	-	-		
			Cryptochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Diamesinae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Dicrotendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Endochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Heterotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Heterotrissocladius marcidus	-	-	-	-	-	-	2	-	-	-	-	-		
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Micropsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Micropsectra/Tanytarsus sp. complex	-	-	-	-	-	-	1	-	-	-	-	-		
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	-	-	-	-		
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Non-Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Orthocladiinae indet.	-	-	1	-	-	5	-	2	-	-	-	-		
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	2	-	-	-		

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Lake				Vulture *(cont'd)*												
Stomach #				13	14	15	16	17	18	19	20	21	22	23	24	
Fish ID				VUL24-SLSC-14	VUL24-SLSC-15	VUL24-SLSC-16	VUL24-SLSC-17	VUL24-SLSC-18	VUL24-SLSC-22	VUL24-SLSC-24	VUL24-SLSC-25	VUL24-SLSC-26	VUL24-SLSC-27	VUL24-SLSC-28	VUL24-SLSC-29	
Lab Sample ID				fs24-140-315	fs24-140-316	fs24-140-317	fs24-140-318	fs24-140-319	fs24-140-323	fs24-140-325	fs24-140-326	fs24-140-327	fs24-140-328	fs24-140-329	fs24-140-330	
Sampling Date				11-Aug-24	11-Aug-24	11-Aug-24	11-Aug-24	11-Aug-24	12-Aug-24	12-Aug-24	12-Aug-24	12-Aug-24	12-Aug-24	12-Aug-24	12-Aug-24	
Source	Major Group	Family	Taxon													
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Pentaneurini indet.	-	-	-	-	-	2	-	1	-	-	-	-	
			Phaenopsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Potthastia gaedii group	-	-	-	-	-	-	-	-	-	-	-	-	
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-	-	
			Procladius sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Psectrocladius sp.	-	-	-	-	1	6	-	2	3	-	-	-	
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Rheocricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Stictochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Tanytarsini indet.	-	-	-	-	-	5	-	-	-	-	-	-	
			Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-	-	
	Hemiptera	Corixidae	Corixinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Corixini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Neoplasta sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Hexatoma sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Muscidae	Muscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Tipulidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Diptera indet.	-	-	-	-	-	1	-	-	-	-	-	-	
		-	Tipuloidea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Phryganeidae	Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-	-	

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Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Vulture *(cont'd)*												
Stomach #				13	14	15	16	17	18	19	20	21	22	23	24	
Fish ID				VUL24-SLSC-14	VUL24-SLSC-15	VUL24-SLSC-16	VUL24-SLSC-17	VUL24-SLSC-18	VUL24-SLSC-22	VUL24-SLSC-24	VUL24-SLSC-25	VUL24-SLSC-26	VUL24-SLSC-27	VUL24-SLSC-28	VUL24-SLSC-29	
Lab Sample ID				fs24-140-315	fs24-140-316	fs24-140-317	fs24-140-318	fs24-140-319	fs24-140-323	fs24-140-325	fs24-140-326	fs24-140-327	fs24-140-328	fs24-140-329	fs24-140-330	
Sampling Date				11-Aug-24	11-Aug-24	11-Aug-24	11-Aug-24	11-Aug-24	12-Aug-24	12-Aug-24	12-Aug-24	12-Aug-24	12-Aug-24	12-Aug-24	12-Aug-24	
Source	Major Group	Family	Taxon													
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-	-	
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-	-	
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	Chydoridae indet.	3	-	-	-	-	-	-	-	2	-	-	-	
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Calanoida indet.	-	-	1	-	-	-	-	-	-	-	-	-	
		-	Cladocera indet.	-	-	-	-	3	1	-	8	6	-	-	-	
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-	-	
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Nematomorpha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:

Indet. = indeterminate; sp. = species

Taxonomic analysis completed by Biologica Environmental Services.

Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Vulture *(cont'd)*						Northeast					
Stomach #				25	26	27	28	29	30	1	2	3	4	5	6
Fish ID				VUL24-SLSC-30	VUL24-SLSC-31	VUL24-SLSC-32	VUL24-SLSC-33	VUL24-SLSC-34	VUL24-SLSC-35	NE24-SLSC-01	NE24-SLSC-02	NE24-SLSC-03	NE24-SLSC-04	NE24-SLSC-05	NE24-SLSC-06
Lab Sample ID				fs24-140-331	fs24-140-332	fs24-140-333	fs24-140-334	fs24-140-335	fs24-140-336	fs24-140-138	fs24-140-139	fs24-140-140	fs24-140-141	fs24-140-142	fs24-140-143
Sampling Date				12-Aug-24	12-Aug-24	14-Aug-24	14-Aug-24	14-Aug-24	14-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24
Source	Major Group	Family	Taxon												
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Pionidae	Pionidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Acari indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	1	-	-	-	-
			Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Hydroporinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Gyrinidae	Gyrinidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Coleoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	-	-	-	-	1	-	2	-	1	-
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Allocladiu s sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironomidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironomini indet.	-	1	-	-	-	-	-	-	-	-	-	-
			Chironomus sp.	-	5	-	-	-	-	1	13	7	-	-	-
			Cladotanytarsu s sp.	-	-	-	-	-	-	-	-	-	-	-	1
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Cricotopus/Orthocladius sp. complex	-	-	1	4	8	23	5	1	-	-	1	-
			Cryptochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Diamesinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dicrotendipes sp.	-	-	-	1	-	-	1	-	18	-	1	-
			Endochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	2	-	-	-
			Heterotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius marcidus	-	6	-	-	1	2	-	-	-	-	-	-
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra/Tanytarsus sp. complex	-	-	-	-	-	-	-	1	-	-	-	-
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	-	-	-	-
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Non-Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Orthocladiinae indet.	-	2	-	-	1	-	-	-	2	-	-	-
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Vulture *(cont'd)*						Northeast					
Stomach #				25	26	27	28	29	30	1	2	3	4	5	6
Fish ID				VUL24-SLSC-30	VUL24-SLSC-31	VUL24-SLSC-32	VUL24-SLSC-33	VUL24-SLSC-34	VUL24-SLSC-35	NE24-SLSC-01	NE24-SLSC-02	NE24-SLSC-03	NE24-SLSC-04	NE24-SLSC-05	NE24-SLSC-06
Lab Sample ID				fs24-140-331	fs24-140-332	fs24-140-333	fs24-140-334	fs24-140-335	fs24-140-336	fs24-140-138	fs24-140-139	fs24-140-140	fs24-140-141	fs24-140-142	fs24-140-143
Sampling Date				12-Aug-24	12-Aug-24	14-Aug-24	14-Aug-24	14-Aug-24	14-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24
Source	Major Group	Family	Taxon												
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	-	-	-	-	-	-	2	-	-	-	6	1
			Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Phaenopsectra sp.	-	1	-	-	1	-	-	-	1	-	-	-
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia gaedii group	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-	-
			Procladius sp.	-	-	-	-	-	-	-	-	1	-	-	1
			Psectrocladius sp.	-	-	-	-	-	-	1	1	-	4	1	4
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Rheocricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Stictochironomus sp.	-	-	-	-	-	-	-	1	-	-	-	-
			Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsini indet.	-	7	-	-	-	-	-	-	-	-	-	-
			Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Zalutschia sp.	-	-	-	-	-	-	-	1	-	-	-	-
	Hemiptera	Corixidae	Corixinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Corixini indet.	-	-	-	-	-	-	-	-	1	-	-	-
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-	1
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Empididae	Empididae indet.	-	-	-	-	-	1	-	-	-	-	-	-
			Neoplasta sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Hexatoma sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Muscidae	Muscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tipulidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Tipuloidea indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Phryganeidae	Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera indet.	-	-	-	-	2	-	-	-	-	-	-	-
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Vulture *(cont'd)*						Northeast					
Stomach #				25	26	27	28	29	30	1	2	3	4	5	6
Fish ID				VUL24-SLSC-30	VUL24-SLSC-31	VUL24-SLSC-32	VUL24-SLSC-33	VUL24-SLSC-34	VUL24-SLSC-35	NE24-SLSC-01	NE24-SLSC-02	NE24-SLSC-03	NE24-SLSC-04	NE24-SLSC-05	NE24-SLSC-06
Lab Sample ID				fs24-140-331	fs24-140-332	fs24-140-333	fs24-140-334	fs24-140-335	fs24-140-336	fs24-140-138	fs24-140-139	fs24-140-140	fs24-140-141	fs24-140-142	fs24-140-143
Sampling Date				12-Aug-24	12-Aug-24	14-Aug-24	14-Aug-24	14-Aug-24	14-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24
Source	Major Group	Family	Taxon												
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-	-
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-	-
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-	-
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-	-
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-	-
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	-	-	-	-	-	-	-	-
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Chydoridae	Chydoridae indet.	-	-	-	-	1	-	-	-	-	-	1	-
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	7	-	3
		-	Cladocera indet.	-	-	-	-	-	-	1	-	-	1	-	-
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-	-
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Nematomorpha indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

Indet. = indeterminate; sp. = species

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Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Northeast *(cont'd)*													
Stomach #				7	8	9	10	11	12	13	14	15	16	17	18		
Fish ID				NE24-SLSC-07	NE24-SLSC-08	NE24-SLSC-09	NE24-SLSC-10	NE24-SLSC-11	NE24-SLSC-12	NE24-SLSC-13	NE24-SLSC-14	NE24-SLSC-15	NE24-SLSC-16	NE24-SLSC-17	NE24-SLSC-18		
Lab Sample ID				fs24-140-144	fs24-140-145	fs24-140-146	fs24-140-147	fs24-140-148	fs24-140-149	fs24-140-150	fs24-140-151	fs24-140-152	fs24-140-153	fs24-140-154	fs24-140-155		
Sampling Date				31-Aug-24	31-Aug-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24		
Source	Major Group	Family	Taxon														
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		Pionidae	Pionidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Acari indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-	-		
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Hydroporinae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		Gyrinidae	Gyrinidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Coleoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-		
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-	-		
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	1	-	2	-	2	-	-	-	-	-	-		
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Allocladiu s sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironomidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironomus sp.	-	40	-	-	1	-	2	-	-	-	-	4		
			Cladotanytarsu s sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Cricotopus/Orthocladius sp. complex	-	-	1	4	-	1	-	-	3	4	-	1		
			Cryptochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	1		
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Diamesinae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Dicrotendipes sp.	1	-	2	-	-	-	3	-	3	-	2	-		
			Endochironomus sp.	-	-	-	-	-	6	-	-	-	-	-	-		
			Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Heterotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Heterotrissocladius marcidus	-	-	-	-	2	-	-	-	-	-	-	-		
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Micropsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Micropsectra/Tanytarsus sp. complex	-	-	-	-	1	-	-	-	-	-	-	1		
			Microtendipes pedellus group	-	-	1	-	-	-	-	-	-	-	-	-		
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Non-Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Orthocladiinae indet.	-	1	-	1	-	-	-	-	-	-	-	-		
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-		

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Northeast *(cont'd)*												
Stomach #				7	8	9	10	11	12	13	14	15	16	17	18	
Fish ID				NE24-SLSC-07	NE24-SLSC-08	NE24-SLSC-09	NE24-SLSC-10	NE24-SLSC-11	NE24-SLSC-12	NE24-SLSC-13	NE24-SLSC-14	NE24-SLSC-15	NE24-SLSC-16	NE24-SLSC-17	NE24-SLSC-18	
Lab Sample ID				fs24-140-144	fs24-140-145	fs24-140-146	fs24-140-147	fs24-140-148	fs24-140-149	fs24-140-150	fs24-140-151	fs24-140-152	fs24-140-153	fs24-140-154	fs24-140-155	
Sampling Date				31-Aug-24	31-Aug-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	
Source	Major Group	Family	Taxon													
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	1	1	-	-	-	3	1	-	1	4	1	-	
			Pentaneurini indet.	-	-	-	-	-	-	-	1	-	-	-	-	
			Phaenopsectra sp.	-	1	1	-	-	-	-	-	-	-	-	-	
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Potthastia gaedii group	-	-	-	-	-	-	-	-	-	-	-	-	
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-	-	
			Procladius sp.	1	1	-	-	-	-	-	-	-	-	-	-	
			Psectrocladius sp.	-	3	8	14	-	18	3	-	8	12	-	7	
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Rheocricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Stictochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Tanytarsini indet.	2	3	2	-	1	6	-	1	-	-	-	-	
			Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-	-	
	Hemiptera	Corixidae	Corixinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Corixini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Neoplasta sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Hexatoma sp.	-	-	1	-	-	-	-	-	-	-	-	-	
		Muscidae	Muscidae indet.	-	1	-	-	1	-	-	-	1	-	-	-	
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Tipulidae indet.	-	-	1	-	-	-	-	-	1	-	-	-	
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Diptera indet.	-	-	2	-	-	-	-	-	-	-	-	-	
		-	Tipuloidea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Phryganeidae	Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera indet.	-	-	-	-	-	2	-	-	-	-	-	-	
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-	-	

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Lake				Northeast *(cont'd)*												
Stomach #				7	8	9	10	11	12	13	14	15	16	17	18	
Fish ID				NE24-SLSC-07	NE24-SLSC-08	NE24-SLSC-09	NE24-SLSC-10	NE24-SLSC-11	NE24-SLSC-12	NE24-SLSC-13	NE24-SLSC-14	NE24-SLSC-15	NE24-SLSC-16	NE24-SLSC-17	NE24-SLSC-18	
Lab Sample ID				fs24-140-144	fs24-140-145	fs24-140-146	fs24-140-147	fs24-140-148	fs24-140-149	fs24-140-150	fs24-140-151	fs24-140-152	fs24-140-153	fs24-140-154	fs24-140-155	
Sampling Date				31-Aug-24	31-Aug-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	
Source	Major Group	Family	Taxon													
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-	-	
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-	-	
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	Chydoridae indet.	-	-	-	-	-	1	-	-	-	-	-	-	
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Daphniidae indet.	-	1	-	-	-	-	-	-	-	-	-	-	
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Calanoida indet.	2	-	-	-	-	-	-	1	3	-	-	-	
		-	Cladocera indet.	-	-	-	-	-	-	1	-	-	-	-	-	
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	2	-	-	
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-	-	
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Nematomorpha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:

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Lake				Northeast *(cont'd)*												
Stomach #				19	20	21	22	23	24	25	26	27	28	29	30	
Fish ID				NE24-SLSC-19	NE24-SLSC-20	NE24-SLSC-21	NE24-SLSC-22	NE24-SLSC-23	NE24-SLSC-24	NE24-SLSC-25	NE24-SLSC-26	NE24-SLSC-27	NE24-SLSC-28	NE24-SLSC-29	NE24-SLSC-30	
Lab Sample ID				fs24-140-156	fs24-140-157	fs24-140-158	fs24-140-159	fs24-140-160	fs24-140-161	fs24-140-162	fs24-140-163	fs24-140-164	fs24-140-165	fs24-140-166	fs24-140-167	
Sampling Date				1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	
Source	Major Group	Family	Taxon													
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Pionidae	Pionidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Acari indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Hydroporinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Gyrinidae	Gyrinidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Coleoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	1	-	-	-	-	2	-	-	-	-	
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Allocladiu s sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Chironomidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Chironominae indet.	-	-	-	-	1	-	-	-	-	-	-	-	
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Chironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Cladotanytarsu s sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Cricotopus/Orthocladius sp. complex	-	-	1	1	-	-	-	-	-	2	-	-	
			Cryptochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Diamesinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Dicrotendipes sp.	-	-	1	-	-	2	-	1	-	-	-	-	
			Endochironomus sp.	2	-	-	-	-	-	-	-	-	-	-	-	
			Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Heterotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-	-	
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Micropsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Micropsectra/Tanytarsus sp. complex	-	-	-	-	-	-	-	-	-	-	-	-	
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	-	-	-	-	
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Non-Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Orthocladiinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-	

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Lake				Northeast *(cont'd)*											
Stomach #				19	20	21	22	23	24	25	26	27	28	29	30
Fish ID				NE24-SLSC-19	NE24-SLSC-20	NE24-SLSC-21	NE24-SLSC-22	NE24-SLSC-23	NE24-SLSC-24	NE24-SLSC-25	NE24-SLSC-26	NE24-SLSC-27	NE24-SLSC-28	NE24-SLSC-29	NE24-SLSC-30
Lab Sample ID				fs24-140-156	fs24-140-157	fs24-140-158	fs24-140-159	fs24-140-160	fs24-140-161	fs24-140-162	fs24-140-163	fs24-140-164	fs24-140-165	fs24-140-166	fs24-140-167
Sampling Date				1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24
Source	Major Group	Family	Taxon												
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	-	-	-	3	-	2	-	-	-	1	1	-
			Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Phaenopsectra sp.	-	-	-	-	-	-	-	1	-	-	-	-
			Polypedilum sp.	-	-	-	-	-	-	-	1	-	-	-	-
			Potthastia gaedii group	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-	-
			Procladius sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Psectrocladius sp.	-	-	21	4	15	-	2	12	-	-	2	-
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Rheocricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Stictochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsini indet.	-	-	1	-	3	1	1	-	-	2	-	-
			Tanytarsus sp.	-	-	-	-	-	-	-	2	-	-	1	-
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-	-
	Hemiptera	Corixidae	Corixinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Corixini indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Neoplasta sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Hexatoma sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Muscidae	Muscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tipulidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Tipuloidea indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Phryganeidae	Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
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Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Northeast *(cont'd)*												
Stomach #				19	20	21	22	23	24	25	26	27	28	29	30	
Fish ID				NE24-SLSC-19	NE24-SLSC-20	NE24-SLSC-21	NE24-SLSC-22	NE24-SLSC-23	NE24-SLSC-24	NE24-SLSC-25	NE24-SLSC-26	NE24-SLSC-27	NE24-SLSC-28	NE24-SLSC-29	NE24-SLSC-30	
Lab Sample ID				fs24-140-156	fs24-140-157	fs24-140-158	fs24-140-159	fs24-140-160	fs24-140-161	fs24-140-162	fs24-140-163	fs24-140-164	fs24-140-165	fs24-140-166	fs24-140-167	
Sampling Date				1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	
Source	Major Group	Family	Taxon													
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-	-	
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-	-	
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	Chydoridae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Calanoida indet.	4	1	-	-	-	-	-	-	-	-	-	-	
		-	Cladocera indet.	-	-	-	-	1	-	-	-	-	-	-	-	
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cyclopoida indet.	-	-	-	-	-	-	2	1	-	1	-	-	
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-	-	
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Nematomorpha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Unidentified egg	-	-	-	-	12	-	-	-	-	-	-	-	

Notes:

Indet. = indeterminate; sp. = species

Taxonomic analysis completed by Biologica Environmental Services.

Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Kodiak											
Stomach #				1	2	3	4	5	6	7	8	9	10	11	12
Fish ID				KOD24-SLSC-01	KOD24-SLSC-02	KOD24-SLSC-03	KOD24-SLSC-04	KOD24-SLSC-05	KOD24-SLSC-06	KOD24-SLSC-07	KOD24-SLSC-08	KOD24-SLSC-09	KOD24-SLSC-10	KOD24-SLSC-11	KOD24-SLSC-12
Lab Sample ID				fs24-140-198	fs24-140-199	fs24-140-200	fs24-140-201	fs24-140-202	fs24-140-203	fs24-140-204	fs24-140-205	fs24-140-206	fs24-140-207	fs24-140-208	fs24-140-209
Sampling Date				24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24
Source	Major Group	Family	Taxon												
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Pionidae	Pionidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Acari indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Hydroporinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Gyrinidae	Gyrinidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Coleoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Allocladiu s sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironomidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironomus sp.	20	-	2	1	-	5	-	12	-	3	3	-
			Cladotanytarsu s sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Cricotopus/Orthocladius sp. complex	-	-	-	1	-	-	-	-	-	-	-	-
			Cryptochironomus sp.	-	-	2	-	-	1	-	1	-	-	-	-
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Diamesinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dicrotendipes sp.	-	5	1	-	-	-	-	-	-	-	-	-
			Endochironomus sp.	-	-	-	-	-	2	-	1	-	-	2	1
			Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra/Tanytarsus sp. complex	-	-	-	-	-	-	-	-	-	-	-	-
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	-	-	-	-
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Non-Pentaneurini indet.	-	-	-	-	-	3	-	-	-	1	-	-
			Orthocladiinae indet.	-	-	-	-	-	-	-	1	-	-	-	-
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	1	-	-
			Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Kodiak											
Stomach #				1	2	3	4	5	6	7	8	9	10	11	12
Fish ID				KOD24-SLSC-01	KOD24-SLSC-02	KOD24-SLSC-03	KOD24-SLSC-04	KOD24-SLSC-05	KOD24-SLSC-06	KOD24-SLSC-07	KOD24-SLSC-08	KOD24-SLSC-09	KOD24-SLSC-10	KOD24-SLSC-11	KOD24-SLSC-12
Lab Sample ID				fs24-140-198	fs24-140-199	fs24-140-200	fs24-140-201	fs24-140-202	fs24-140-203	fs24-140-204	fs24-140-205	fs24-140-206	fs24-140-207	fs24-140-208	fs24-140-209
Sampling Date				24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24
Source	Major Group	Family	Taxon												
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Pentaneurini indet.	1	-	-	-	-	-	-	1	-	-	-	-
			Phaenopsectra sp.	-	-	-	-	-	-	-	-	-	-	1	-
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia gaedii group	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-	-
			Procladius sp.	4	-	-	1	-	-	-	1	-	2	3	1
			Psectrocladius sp.	3	-	1	1	-	2	-	-	6	2	-	2
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Rheocricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Stictochironomus sp.	-	-	-	-	-	-	-	-	-	1	-	-
			Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsini indet.	-	-	1	-	-	-	-	-	-	-	-	-
			Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Zalutschia sp.	-	-	-	1	-	-	-	-	-	-	-	-
	Hemiptera	Corixidae	Corixinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Corixini indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dasyhelea sp.	-	4	-	-	-	-	-	-	-	-	-	-
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Neoplasta sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Hexatoma sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Muscidae	Muscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tipulidae indet.	-	-	-	-	5	2	-	-	-	-	-	-
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Tipuloidea indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Phryganeidae	Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Kodiak												
Stomach #				1	2	3	4	5	6	7	8	9	10	11	12	
Fish ID				KOD24-SLSC-01	KOD24-SLSC-02	KOD24-SLSC-03	KOD24-SLSC-04	KOD24-SLSC-05	KOD24-SLSC-06	KOD24-SLSC-07	KOD24-SLSC-08	KOD24-SLSC-09	KOD24-SLSC-10	KOD24-SLSC-11	KOD24-SLSC-12	
Lab Sample ID				fs24-140-198	fs24-140-199	fs24-140-200	fs24-140-201	fs24-140-202	fs24-140-203	fs24-140-204	fs24-140-205	fs24-140-206	fs24-140-207	fs24-140-208	fs24-140-209	
Sampling Date				24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	
Source	Major Group	Family	Taxon													
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-	-	
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-	-	
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	Chydoridae indet.	-	-	-	-	-	-	-	-	11	-	-	3	
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cladocera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-	-	
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Nematomorpha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:

Indet. = indeterminate; sp. = species

Taxonomic analysis completed by Biologica Environmental Services.

Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Kodiak *(cont'd)*													
Stomach #				13	14	15	16	17	18	19	20	21	22	23	24		
Fish ID				KOD24-SLSC-13	KOD24-SLSC-14	KOD24-SLSC-15	KOD24-SLSC-29	KOD24-SLSC-30	KOD24-SLSC-31	KOD24-SLSC-32	KOD24-SLSC-33	KOD24-SLSC-35	KOD24-SLSC-36	KOD24-SLSC-37	KOD24-SLSC-38		
Lab Sample ID				fs24-140-210	fs24-140-211	fs24-140-212	fs24-140-226	fs24-140-227	fs24-140-228	fs24-140-229	fs24-140-230	fs24-140-232	fs24-140-233	fs24-140-234	fs24-140-235		
Sampling Date				24-Aug-24	24-Aug-24	24-Aug-24	4-Sep-24	4-Sep-24	4-Sep-24	4-Sep-24	4-Sep-24	4-Sep-24	4-Sep-24	4-Sep-24	4-Sep-24		
Source	Major Group	Family	Taxon														
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		Pionidae	Pionidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Acari indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-	-		
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Hydroporinae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		Gyrinidae	Gyrinidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Coleoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-		
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	1	-		
		-	Ostracoda indet.	-	-	-	-	-	-	1	-	-	-	-	-		
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	-	-	-	-	-	-	2	-	-	-		
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	3	-		
			Allocladiu s sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironomidae indet.	-	-	-	-	-	-	-	-	-	-	3	-		
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironomini indet.	-	-	-	-	-	-	-	-	-	1	-	-		
			Chironomus sp.	-	-	-	15	1	1	-	-	-	-	6	-		
			Cladotanytarsu s sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Cricotopus/Orthocladius sp. complex	-	-	4	-	-	-	3	-	4	-	-	1		
			Cryptochironomus sp.	-	-	-	-	-	-	-	-	-	-	1	-		
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Diamesinae indet.	-	-	-	-	-	-	-	-	-	3	-	-		
			Dicrotendipes sp.	-	-	-	-	-	1	1	-	2	-	3	-		
			Endochironomus sp.	-	-	-	-	2	1	-	-	-	-	27	-		
			Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	1	-		
			Heterotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-	-		
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Micropsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Micropsectra/Tanytarsus sp. complex	-	-	-	-	-	-	-	-	-	-	-	-		
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	-	-	-	-		
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Non-Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Orthocladiinae indet.	-	1	-	-	-	-	-	-	-	-	-	-		
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-		

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Kodiak *(cont'd)*												
Stomach #				13	14	15	16	17	18	19	20	21	22	23	24	
Fish ID				KOD24-SLSC-13	KOD24-SLSC-14	KOD24-SLSC-15	KOD24-SLSC-29	KOD24-SLSC-30	KOD24-SLSC-31	KOD24-SLSC-32	KOD24-SLSC-33	KOD24-SLSC-35	KOD24-SLSC-36	KOD24-SLSC-37	KOD24-SLSC-38	
Lab Sample ID				fs24-140-210	fs24-140-211	fs24-140-212	fs24-140-226	fs24-140-227	fs24-140-228	fs24-140-229	fs24-140-230	fs24-140-232	fs24-140-233	fs24-140-234	fs24-140-235	
Sampling Date				24-Aug-24	24-Aug-24	24-Aug-24	4-Sep-24	4-Sep-24	4-Sep-24	4-Sep-24	4-Sep-24	4-Sep-24	4-Sep-24	4-Sep-24	4-Sep-24	
Source	Major Group	Family	Taxon													
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Pentaneurini indet.	-	-	1	-	-	-	-	-	-	1	-	-	
			Phaenopsectra sp.	-	1	-	-	-	-	-	-	-	-	-	-	
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Potthastia gaedii group	-	-	-	-	-	-	-	-	-	-	-	-	
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-	-	
			Procladius sp.	-	-	3	6	-	1	-	-	2	-	5	-	
			Psectrocladius sp.	-	-	-	2	-	6	-	-	2	1	28	-	
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Rheocricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Stictochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Tanytarsini indet.	-	-	-	-	-	-	-	-	-	-	1	-	
			Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-	-	
	Hemiptera	Corixidae	Corixinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Corixini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Ceratopogoninae indet.	-	-	1	-	-	-	-	-	-	-	-	-	
			Dasyhelea sp.	-	-	1	-	-	2	3	-	4	1	-	-	
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Neoplasta sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Hexatoma sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Muscidae	Muscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Tipulidae indet.	-	-	-	-	1	-	-	-	-	-	2	-	
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Tipuloidea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	1	-	-	-	-	-	-	
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Phryganeidae	Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Kodiak *(cont'd)*												
Stomach #				13	14	15	16	17	18	19	20	21	22	23	24	
Fish ID				KOD24-SLSC-13	KOD24-SLSC-14	KOD24-SLSC-15	KOD24-SLSC-29	KOD24-SLSC-30	KOD24-SLSC-31	KOD24-SLSC-32	KOD24-SLSC-33	KOD24-SLSC-35	KOD24-SLSC-36	KOD24-SLSC-37	KOD24-SLSC-38	
Lab Sample ID				fs24-140-210	fs24-140-211	fs24-140-212	fs24-140-226	fs24-140-227	fs24-140-228	fs24-140-229	fs24-140-230	fs24-140-232	fs24-140-233	fs24-140-234	fs24-140-235	
Sampling Date				24-Aug-24	24-Aug-24	24-Aug-24	4-Sep-24	4-Sep-24	4-Sep-24	4-Sep-24	4-Sep-24	4-Sep-24	4-Sep-24	4-Sep-24	4-Sep-24	
Source	Major Group	Family	Taxon													
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-	-	
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-	-	
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	Chydoridae indet.	-	-	-	-	-	-	1	1	-	-	-	-	
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cladocera indet.	-	-	1	-	-	2	7	-	-	-	4	1	
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-	-	
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	1	-	-	-	-	-	-	
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Organisms	-	Nematoda indet.	-	-	1	-	-	-	-	-	-	-	-	-	
		-	Nematomorpha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:

Indet. = indeterminate; sp. = species

Taxonomic analysis completed by Biologica Environmental Services.

Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Kodiak *(cont'd)*					Leslie						
Stomach #				25	26	27	28	29	1	2	3	4	5	6	7
Fish ID				KOD24-SLSC-39	KOD24-SLSC-40	KOD24-SLSC-41	KOD24-SLSC-42	KOD24-SLSC-43	LES24-SLSC-01	LES24-SLSC-02	LES24-SLSC-03	LES24-SLSC-04	LES24-SLSC-05	LES24-SLSC-06	LES24-SLSC-07
Lab Sample ID				fs24-140-236	fs24-140-237	fs24-140-238	fs24-140-239	fs24-140-240	fs24-140-337	fs24-140-338	fs24-140-339	fs24-140-340	fs24-140-341	fs24-140-342	fs24-140-343
Sampling Date				4-Sep-24	4-Sep-24	4-Sep-24	4-Sep-24	4-Sep-24	14-Aug-24	14-Aug-24	18-Aug-24	18-Aug-24	18-Aug-24	18-Aug-24	18-Aug-24
Source	Major Group	Family	Taxon												
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Pionidae	Pionidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Acari indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Hydroporinae indet.	-	-	-	-	-	-	1	-	-	-	-	-
		Gyrinidae	Gyrinidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Coleoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	-	-	-	-	-	-	1	-	-	-
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Allocladiu s sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironomidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironomus sp.	-	2	-	-	-	-	-	-	11	21	1	-
			Cladotanytarsu s sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Cricotopus/Orthocladius sp. complex	1	-	2	-	1	-	2	-	-	-	-	1
			Cryptochironomus sp.	-	-	-	-	-	1	-	-	3	1	3	-
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Diamesinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dicrotendipes sp.	-	-	-	-	1	4	-	-	2	-	-	-
			Endochironomus sp.	1	-	-	-	-	-	-	-	-	-	-	-
			Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra/Tanytarsus sp. complex	-	-	-	-	-	-	-	-	6	1	3	-
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	1	-	-	-
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Non-Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Orthocladiinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Kodiak *(cont'd)*					Leslie						
Stomach #				25	26	27	28	29	1	2	3	4	5	6	7
Fish ID				KOD24-SLSC-39	KOD24-SLSC-40	KOD24-SLSC-41	KOD24-SLSC-42	KOD24-SLSC-43	LES24-SLSC-01	LES24-SLSC-02	LES24-SLSC-03	LES24-SLSC-04	LES24-SLSC-05	LES24-SLSC-06	LES24-SLSC-07
Lab Sample ID				fs24-140-236	fs24-140-237	fs24-140-238	fs24-140-239	fs24-140-240	fs24-140-337	fs24-140-338	fs24-140-339	fs24-140-340	fs24-140-341	fs24-140-342	fs24-140-343
Sampling Date				4-Sep-24	4-Sep-24	4-Sep-24	4-Sep-24	4-Sep-24	14-Aug-24	14-Aug-24	18-Aug-24	18-Aug-24	18-Aug-24	18-Aug-24	18-Aug-24
Source	Major Group	Family	Taxon												
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	-	-	-	-	-	-	-	-	-	-	1	-
			Pentaneurini indet.	1	-	-	-	1	1	-	-	3	-	-	-
			Phaenopsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia gaedii group	-	-	-	-	1	-	-	-	-	-	-	-
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-	-
			Procladius sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Psectrocladius sp.	1	-	-	-	-	2	23	-	4	1	3	-
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Rheocricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Stictochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsini indet.	-	-	-	-	-	-	-	-	2	1	6	-
			Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-	-
	Hemiptera	Corixidae	Corixinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Corixini indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dasyhelea sp.	1	-	-	-	-	-	-	-	-	1	-	-
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Neoplasta sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Hexatoma sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Muscidae	Muscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tipulidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Tipuloidea indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Phryganeidae	Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera indet.	-	-	-	-	-	1	-	-	-	-	-	-
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Kodiak *(cont'd)*					Leslie						
Stomach #				25	26	27	28	29	1	2	3	4	5	6	7
Fish ID				KOD24-SLSC-39	KOD24-SLSC-40	KOD24-SLSC-41	KOD24-SLSC-42	KOD24-SLSC-43	LES24-SLSC-01	LES24-SLSC-02	LES24-SLSC-03	LES24-SLSC-04	LES24-SLSC-05	LES24-SLSC-06	LES24-SLSC-07
Lab Sample ID				fs24-140-236	fs24-140-237	fs24-140-238	fs24-140-239	fs24-140-240	fs24-140-337	fs24-140-338	fs24-140-339	fs24-140-340	fs24-140-341	fs24-140-342	fs24-140-343
Sampling Date				4-Sep-24	4-Sep-24	4-Sep-24	4-Sep-24	4-Sep-24	14-Aug-24	14-Aug-24	18-Aug-24	18-Aug-24	18-Aug-24	18-Aug-24	18-Aug-24
Source	Major Group	Family	Taxon												
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-	-
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-	-
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-	-
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-	-
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-	-
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	-	-	-	-	-	-	-	-
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Chydoridae	Chydoridae indet.	-	-	-	2	-	48	1	-	-	-	3	-
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Cladocera indet.	-	2	1	1	9	-	-	-	-	-	-	72
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Cyclopoida indet.	1	-	-	-	-	-	-	-	-	-	-	-
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-	-
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Nematomorpha indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

Indet. = indeterminate; sp. = species

Taxonomic analysis completed by Biologica Environmental Services.

Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Leslie *(cont'd)*												
Stomach #				8	9	10	11	12	13	14	15	16	17	18	19	
Fish ID				LES24-SLSC-08	LES24-SLSC-09	LES24-SLSC-10	LES24-SLSC-11	LES24-SLSC-12	LES24-SLSC-13	LES24-SLSC-14	LES24-SLSC-15	LES24-SLSC-16	LES24-SLSC-17	LES24-SLSC-18	LES24-SLSC-19	
Lab Sample ID				fs24-140-344	fs24-140-345	fs24-140-346	fs24-140-347	fs24-140-348	fs24-140-349	fs24-140-350	fs24-140-351	fs24-140-352	fs24-140-353	fs24-140-354	fs24-140-355	
Sampling Date				20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	
Source	Major Group	Family	Taxon													
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Pionidae	Pionidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Acari indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Hydroporinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Gyrinidae	Gyrinidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Coleoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Ostracoda indet.	-	1	-	-	-	-	-	-	-	-	-	-	
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Allocladiu s sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Chironomidae indet.	-	-	-	-	-	-	-	1	-	-	-	-	
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Chironomini indet.	-	-	-	-	-	-	-	-	1	-	-	-	
			Chironomus sp.	-	1	-	5	-	-	-	-	6	6	-	2	
			Cladotanytarsu s sp.	-	-	1	-	-	-	-	-	-	-	-	-	
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Corynoneura sp.	-	-	-	-	-	2	-	-	-	-	-	1	
			Cricotopus/Orthocladius sp. complex	-	-	-	-	-	4	-	-	1	-	-	2	
			Cryptochironomus sp.	-	-	1	1	-	-	-	-	2	-	-	-	
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Diamesinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Dicrotendipes sp.	1	-	-	1	-	-	-	1	2	-	-	8	
			Endochironomus sp.	-	-	-	-	-	-	-	-	1	-	-	3	
			Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Glyptotendipes sp.	-	1	-	-	-	-	-	-	1	1	-	-	
			Heterotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-	-	
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Micropsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Micropsectra/Tanytarsus sp. complex	5	-	-	2	-	2	2	2	24	12	-	6	
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	1	-	-	-	
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Non-Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Orthocladiinae indet.	-	1	-	1	1	-	-	-	-	-	-	-	
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:
Indet. = indeterminate; sp. = species
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Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Leslie *(cont'd)*												
Stomach #				8	9	10	11	12	13	14	15	16	17	18	19	
Fish ID				LES24-SLSC-08	LES24-SLSC-09	LES24-SLSC-10	LES24-SLSC-11	LES24-SLSC-12	LES24-SLSC-13	LES24-SLSC-14	LES24-SLSC-15	LES24-SLSC-16	LES24-SLSC-17	LES24-SLSC-18	LES24-SLSC-19	
Lab Sample ID				fs24-140-344	fs24-140-345	fs24-140-346	fs24-140-347	fs24-140-348	fs24-140-349	fs24-140-350	fs24-140-351	fs24-140-352	fs24-140-353	fs24-140-354	fs24-140-355	
Sampling Date				20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	
Source	Major Group	Family	Taxon													
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	-	-	-	-	-	-	1	-	-	-	-	1	
			Pentaneurini indet.	-	5	-	-	-	-	-	1	1	6	1	1	
			Phaenopsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Potthastia gaedii group	-	-	-	-	-	-	-	-	-	-	-	-	
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-	-	
			Procladius sp.	-	-	1	1	-	-	-	2	3	1	-	-	
			Psectrocladius sp.	1	-	-	-	-	-	1	-	4	-	-	5	
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Rheocricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Stictochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Tanytarsini indet.	17	3	-	-	-	6	-	2	9	4	3	13	
			Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-	-	
	Hemiptera	Corixidae	Corixinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Corixini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Gastropoda indet.	-	-	-	-	1	-	-	-	-	-	-	-	
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Ceratopogoninae indet.	-	-	-	-	1	-	-	-	-	-	-	-	
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Neoplasta sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Hexatoma sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Muscidae	Muscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Tipulidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Diptera indet.	-	-	-	-	-	-	-	-	1	-	-	-	
		-	Tipuloidea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Phryganeidae	Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Leslie *(cont'd)*												
Stomach #				8	9	10	11	12	13	14	15	16	17	18	19	
Fish ID				LES24-SLSC-08	LES24-SLSC-09	LES24-SLSC-10	LES24-SLSC-11	LES24-SLSC-12	LES24-SLSC-13	LES24-SLSC-14	LES24-SLSC-15	LES24-SLSC-16	LES24-SLSC-17	LES24-SLSC-18	LES24-SLSC-19	
Lab Sample ID				fs24-140-344	fs24-140-345	fs24-140-346	fs24-140-347	fs24-140-348	fs24-140-349	fs24-140-350	fs24-140-351	fs24-140-352	fs24-140-353	fs24-140-354	fs24-140-355	
Sampling Date				20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	
Source	Major Group	Family	Taxon													
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-	-	
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-	-	
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	Chydoridae indet.	-	-	-	-	3	2	-	-	1	-	-	5	
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Daphniidae indet.	-	-	-	-	2	-	-	-	-	-	-	-	
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cladocera indet.	8	6	5	6	-	12	-	-	-	-	4	3	
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-	-	
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Nematomorpha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Unidentified egg	-	-	-	-	-	-	2	-	-	-	-	-	

Notes:

Indet. = indeterminate; sp. = species

Taxonomic analysis completed by Biologica Environmental Services.

Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Leslie *(cont'd)*										
Stomach #				20	21	22	23	24	25	26	27	28	29	30
Fish ID				LES24-SLSC-20	LES24-SLSC-21	LES24-SLSC-22	LES24-SLSC-23	LES24-SLSC-24	LES24-SLSC-25	LES24-SLSC-26	LES24-SLSC-27	LES24-SLSC-28	LES24-SLSC-29	LES24-SLSC-30
Lab Sample ID				fs24-140-356	fs24-140-357	fs24-140-358	fs24-140-359	fs24-140-360	fs24-140-361	fs24-140-362	fs24-140-363	fs24-140-364	fs24-140-365	fs24-140-366
Sampling Date				20-Aug-24	20-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24
Source	Major Group	Family	Taxon											
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	1	-	-	-	-
		Pionidae	Pionidae indet.	-	-	-	-	-	-	1	-	-	-	-
		-	Acari indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	-	-	-	-
			Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Hydroporinae indet.	-	-	-	-	-	-	-	-	-	-	-
		Gyrinidae	Gyrinidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	-	-
		-	Coleoptera indet.	-	-	-	-	-	-	-	-	-	-	-
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	4	-	3	-	-	-	-	-	-	-
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	-
			Allocladius s sp.	-	-	-	-	-	-	-	-	-	-	-
			Chironomidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-
			Chironomini indet.	-	-	-	-	-	-	1	-	-	-	-
			Chironomus sp.	-	4	-	2	-	-	-	2	1	-	-
			Cladotanytarsu s sp.	-	-	-	-	-	-	-	-	-	-	-
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-
			Cricotopus/Orthocladius sp. complex	18	-	-	-	1	1	-	-	-	4	1
			Cryptochironomus sp.	-	3	-	-	-	-	-	-	-	-	-
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-
			Diamesinae indet.	-	-	-	-	-	-	-	-	-	-	-
			Dicrotendipes sp.	4	-	-	5	5	1	3	5	7	11	-
			Endochironomus sp.	-	-	-	1	-	-	-	-	-	-	-
			Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-
			Glyptotendipes sp.	-	-	-	-	-	-	-	1	-	-	-
			Heterotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-
			Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra sp.	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra/Tanytarsus sp. complex	2	3	-	-	-	-	1	4	1	-	-
			Microtendipes pedellus group	-	-	-	-	1	-	-	-	-	-	-
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-
			Non-Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-
			Orthocladiinae indet.	2	-	-	-	-	-	-	-	1	1	-
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-
			Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-

Notes:
Indet. = indeterminate; sp. = species
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Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Leslie *(cont'd)*										
Stomach #				20	21	22	23	24	25	26	27	28	29	30
Fish ID				LES24-SLSC-20	LES24-SLSC-21	LES24-SLSC-22	LES24-SLSC-23	LES24-SLSC-24	LES24-SLSC-25	LES24-SLSC-26	LES24-SLSC-27	LES24-SLSC-28	LES24-SLSC-29	LES24-SLSC-30
Lab Sample ID				fs24-140-356	fs24-140-357	fs24-140-358	fs24-140-359	fs24-140-360	fs24-140-361	fs24-140-362	fs24-140-363	fs24-140-364	fs24-140-365	fs24-140-366
Sampling Date				20-Aug-24	20-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24
Source	Major Group	Family	Taxon											
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	3	-	2	-	-	-	-	-	-	-	-
			Pentaneurini indet.	-	-	-	-	1	-	-	4	-	-	1
			Phaenopsectra sp.	-	-	-	-	-	-	-	-	-	-	-
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-
			Potthastia gaedii group	-	-	-	-	-	-	-	-	-	-	-
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-
			Procladius sp.	-	1	-	1	-	-	-	3	-	1	-
			Psectrocladius sp.	9	-	4	-	1	-	-	2	1	2	1
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-
			Rheocricotopus sp.	-	-	-	-	-	-	-	-	-	-	-
			Stictochironomus sp.	-	-	-	-	-	-	-	-	-	-	-
			Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsini indet.	11	-	-	-	1	-	-	4	-	-	-
			Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-
	Hemiptera	Corixidae	Corixinae indet.	-	-	-	-	-	-	-	-	-	-	-
			Corixini indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Empididae	Empididae indet.	1	-	-	-	-	-	-	-	-	-	-
			Neoplasta sp.	-	-	-	-	-	-	-	-	-	-	-
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	-	-	-
			Hexatoma sp.	-	-	-	-	-	-	-	-	-	-	-
		Muscidae	Muscidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	-	-	-	-	-
			Tipulidae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Diptera indet.	1	-	-	-	-	-	-	-	1	-	-
		-	Tipuloidea indet.	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	-	-	-	-	-	-
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Phryganeidae	Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	-	-	-
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-

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Lake				Leslie *(cont'd)*										
Stomach #				20	21	22	23	24	25	26	27	28	29	30
Fish ID				LES24-SLSC-20	LES24-SLSC-21	LES24-SLSC-22	LES24-SLSC-23	LES24-SLSC-24	LES24-SLSC-25	LES24-SLSC-26	LES24-SLSC-27	LES24-SLSC-28	LES24-SLSC-29	LES24-SLSC-30
Lab Sample ID				fs24-140-356	fs24-140-357	fs24-140-358	fs24-140-359	fs24-140-360	fs24-140-361	fs24-140-362	fs24-140-363	fs24-140-364	fs24-140-365	fs24-140-366
Sampling Date				20-Aug-24	20-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24
Source	Major Group	Family	Taxon											
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	-	-	-	-	-	-	-
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Chydoridae	Chydoridae indet.	168	-	13	-	-	-	8	-	13	12	-
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	-
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Cladocera indet.	-	-	-	-	20	-	-	2	-	-	-
		-	Copepoda indet.	-	-	1	-	-	-	-	-	-	-	-
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	1	-
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Nematomorpha indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-

Notes:

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Lake				Moose											
Stomach #				1	2	3	4	5	6	7	8	9	10	11	12
Fish ID				MOO24-SLSC-01	MOO24-SLSC-02	MOO24-SLSC-03	MOO24-SLSC-04	MOO24-SLSC-05	MOO24-SLSC-06	MOO24-SLSC-07	MOO24-SLSC-08	MOO24-SLSC-09	MOO24-SLSC-10	MOO24-SLSC-11	MOO24-SLSC-12
Lab Sample ID				fs24-140-168	fs24-140-169	fs24-140-170	fs24-140-171	fs24-140-172	fs24-140-173	fs24-140-174	fs24-140-175	fs24-140-176	fs24-140-177	fs24-140-178	fs24-140-179
Sampling Date				21-Aug-24	21-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	29-Aug-24	29-Aug-24
Source	Major Group	Family	Taxon												
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Pionidae	Pionidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Acari indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Hydroporinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Gyrinidae	Gyrinidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Coleoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	2	-	-	-	-	-	-	-	-	-
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Allocladiu s sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironomidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironominae indet.	-	-	-	-	-	1	-	-	-	-	-	-
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	1	1
			Chironomus sp.	-	-	-	1	-	-	-	2	-	-	22	46
			Cladotanytarsu s sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Corynoneura sp.	-	-	-	-	3	-	-	-	-	-	-	-
			Cricotopus/Orthocladius sp. complex	3	7	2	-	27	9	1	-	103	5	-	-
			Cryptochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Diamesinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dicrotendipes sp.	-	-	-	-	3	-	5	-	1	-	7	-
			Endochironomus sp.	-	-	-	-	1	-	-	-	-	-	-	-
			Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra/Tanytarsus sp. complex	-	-	-	-	-	-	-	-	-	-	3	1
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	-	-	-	-
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Non-Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Orthocladiinae indet.	-	-	1	-	-	1	-	-	3	1	-	-
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-

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Lake				Moose											
Stomach #				1	2	3	4	5	6	7	8	9	10	11	12
Fish ID				MOO24-SLSC-01	MOO24-SLSC-02	MOO24-SLSC-03	MOO24-SLSC-04	MOO24-SLSC-05	MOO24-SLSC-06	MOO24-SLSC-07	MOO24-SLSC-08	MOO24-SLSC-09	MOO24-SLSC-10	MOO24-SLSC-11	MOO24-SLSC-12
Lab Sample ID				fs24-140-168	fs24-140-169	fs24-140-170	fs24-140-171	fs24-140-172	fs24-140-173	fs24-140-174	fs24-140-175	fs24-140-176	fs24-140-177	fs24-140-178	fs24-140-179
Sampling Date				21-Aug-24	21-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	29-Aug-24	29-Aug-24
Source	Major Group	Family	Taxon												
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	-	1	-	-	-	-	-	-	-	-	-	-
			Pentaneurini indet.	-	-	-	-	-	3	1	-	2	-	1	-
			Phaenopsectra sp.	-	-	-	-	-	-	-	-	-	-	-	10
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia gaedii group	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-	-
			Procladius sp.	-	-	-	-	-	-	2	-	-	-	1	-
			Psectrocladius sp.	-	-	-	-	-	3	-	-	-	-	-	-
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Rheocricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Stictochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-	-
	Hemiptera	Corixidae	Corixinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Corixini indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Neoplasta sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Hexatoma sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Muscidae	Muscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tipulidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Tipuloidea indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Phryganeidae	Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-	-

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Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Moose												
Stomach #				1	2	3	4	5	6	7	8	9	10	11	12	
Fish ID				MOO24-SLSC-01	MOO24-SLSC-02	MOO24-SLSC-03	MOO24-SLSC-04	MOO24-SLSC-05	MOO24-SLSC-06	MOO24-SLSC-07	MOO24-SLSC-08	MOO24-SLSC-09	MOO24-SLSC-10	MOO24-SLSC-11	MOO24-SLSC-12	
Lab Sample ID				fs24-140-168	fs24-140-169	fs24-140-170	fs24-140-171	fs24-140-172	fs24-140-173	fs24-140-174	fs24-140-175	fs24-140-176	fs24-140-177	fs24-140-178	fs24-140-179	
Sampling Date				21-Aug-24	21-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	29-Aug-24	29-Aug-24	
Source	Major Group	Family	Taxon													
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-	-	
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-	-	
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	Chydoridae indet.	-	3	12	-	18	1	-	-	-	-	-	-	
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cladocera indet.	-	-	-	-	-	6	11	-	-	-	-	-	
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cyclopoida indet.	-	1	-	-	-	-	-	-	-	-	-	-	
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-	-	
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Nematomorpha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:

Indet. = indeterminate; sp. = species

Taxonomic analysis completed by Biologica Environmental Services.

Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Moose *(cont'd)*												
Stomach #				**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	
Fish ID				**MOO24-SLSC-13**	**MOO24-SLSC-14**	**MOO24-SLSC-15**	**MOO24-SLSC-16**	**MOO24-SLSC-17**	**MOO24-SLSC-18**	**MOO24-SLSC-19**	**MOO24-SLSC-20**	**MOO24-SLSC-21**	**MOO24-SLSC-22**	**MOO24-SLSC-23**	**MOO24-SLSC-24**	
Lab Sample ID				**fs24-140-180**	**fs24-140-181**	**fs24-140-182**	**fs24-140-183**	**fs24-140-184**	**fs24-140-185**	**fs24-140-186**	**fs24-140-187**	**fs24-140-188**	**fs24-140-189**	**fs24-140-190**	**fs24-140-191**	
Sampling Date				**29-Aug-24**	**29-Aug-24**	**29-Aug-24**	**29-Aug-24**	**29-Aug-24**	**29-Aug-24**	**29-Aug-24**	**29-Aug-24**	**29-Aug-24**	**29-Aug-24**	**29-Aug-24**	**29-Aug-24**	
Source	**Major Group**	**Family**	**Taxon**													
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Pionidae	Pionidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Acari indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Hydroporinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Gyrinidae	Gyrinidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Coleoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Ostracoda indet.	-	-	-	-	-	22	-	-	-	4	-	4	
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Allocladiu s sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Chironomidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Chironomus sp.	3	-	18	23	-	7	-	5	1	-	-	5	
			Cladotanytarsu s sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Cricotopus/Orthocladius sp. complex	-	1	-	1	-	12	-	-	-	-	2	-	
			Cryptochironomus sp.	-	-	-	-	-	1	-	3	1	-	-	-	
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Diamesinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Dicrotendipes sp.	1	-	-	-	-	-	-	2	1	6	-	-	
			Endochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Heterotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-	-	
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Micropsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Micropsectra/Tanytarsus sp. complex	2	3	2	2	33	-	7	-	-	1	1	7	
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	-	-	-	-	
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Non-Pentaneurini indet.	-	-	-	1	-	-	-	-	-	-	-	-	
			Orthocladiinae indet.	-	-	-	2	2	-	1	-	-	2	-	-	
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Moose *(cont'd)*												
Stomach #				13	14	15	16	17	18	19	20	21	22	23	24	
Fish ID				MOO24-SLSC-13	MOO24-SLSC-14	MOO24-SLSC-15	MOO24-SLSC-16	MOO24-SLSC-17	MOO24-SLSC-18	MOO24-SLSC-19	MOO24-SLSC-20	MOO24-SLSC-21	MOO24-SLSC-22	MOO24-SLSC-23	MOO24-SLSC-24	
Lab Sample ID				fs24-140-180	fs24-140-181	fs24-140-182	fs24-140-183	fs24-140-184	fs24-140-185	fs24-140-186	fs24-140-187	fs24-140-188	fs24-140-189	fs24-140-190	fs24-140-191	
Sampling Date				29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	
Source	Major Group	Family	Taxon													
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Pentaneurini indet.	1	-	-	-	-	-	2	-	3	-	-	-	
			Phaenopsectra sp.	-	-	2	11	-	7	-	-	-	-	-	-	
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Potthastia gaedii group	-	-	-	-	-	-	-	-	-	-	-	-	
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-	-	
			Procladius sp.	-	-	-	-	-	-	1	-	-	5	-	-	
			Psectrocladius sp.	-	-	-	-	-	-	-	-	-	-	-	4	
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Rheocricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Stictochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Tanytarsini indet.	-	-	-	-	-	7	-	3	2	12	1	-	
			Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-	-	
	Hemiptera	Corixidae	Corixinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Corixini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Ceratopogoninae indet.	-	-	-	-	-	1	-	-	-	-	-	-	
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Neoplasta sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Hexatoma sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Muscidae	Muscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Tipulidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Tipuloidea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Phryganeidae	Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera indet.	-	-	-	-	-	1	-	-	-	-	-	-	
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Moose *(cont'd)*												
Stomach #				13	14	15	16	17	18	19	20	21	22	23	24	
Fish ID				MOO24-SLSC-13	MOO24-SLSC-14	MOO24-SLSC-15	MOO24-SLSC-16	MOO24-SLSC-17	MOO24-SLSC-18	MOO24-SLSC-19	MOO24-SLSC-20	MOO24-SLSC-21	MOO24-SLSC-22	MOO24-SLSC-23	MOO24-SLSC-24	
Lab Sample ID				fs24-140-180	fs24-140-181	fs24-140-182	fs24-140-183	fs24-140-184	fs24-140-185	fs24-140-186	fs24-140-187	fs24-140-188	fs24-140-189	fs24-140-190	fs24-140-191	
Sampling Date				29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	
Source	Major Group	Family	Taxon													
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-	-	
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-	-	
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	Chydoridae indet.	-	-	-	-	-	-	4	-	-	-	6	-	
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cladocera indet.	-	-	-	-	-	-	-	-	-	25	4	-	
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-	-	
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	2	-	-	
		-	Nematomorpha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:

Indet. = indeterminate; sp. = species

Taxonomic analysis completed by Biologica Environmental Services.

Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Moose *(cont'd)*						Nema					
Stomach #				25	26	27	28	29	30	1	2	3	4	5	6
Fish ID				MOO24-SLSC-25	MOO24-SLSC-26	MOO24-SLSC-27	MOO24-SLSC-28	MOO24-SLSC-29	MOO24-SLSC-30	NEM24-SLSC-01	NEM24-SLSC-02	NEM24-SLSC-03	NEM24-SLSC-04	NEM24-SLSC-05	NEM24-SLSC-06
Lab Sample ID				fs24-140-192	fs24-140-193	fs24-140-194	fs24-140-195	fs24-140-196	fs24-140-197	fs24-140-048	fs24-140-049	fs24-140-050	fs24-140-051	fs24-140-052	fs24-140-053
Sampling Date				29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24
Source	Major Group	Family	Taxon												
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Pionidae	Pionidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Acari indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Hydroporinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Gyrinidae	Gyrinidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Coleoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	-	-	-	-	-	-	-	2	-	1
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Allocladius s sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironomidae indet.	-	-	-	-	-	-	-	2	-	-	-	-
			Chironominae indet.	-	-	-	-	-	-	1	-	-	-	-	1
			Chironomini indet.	-	-	-	-	-	-	-	1	-	-	-	-
			Chironomus sp.	-	-	1	1	-	1	3	5	2	4	-	3
			Cladotanytarsu s sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Cricotopus/Orthocladius sp. complex	1	2	1	16	1	7	-	-	-	-	-	-
			Cryptochironomus sp.	-	-	-	-	1	1	-	-	-	-	-	1
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Diamesinae indet.	-	-	-	-	-	1	-	-	-	-	-	-
			Dicrotendipes sp.	1	-	-	1	-	1	8	-	1	-	-	7
			Endochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra/Tanytarsus sp. complex	2	13	-	-	3	2	-	-	-	2	-	-
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	-	-	-	-
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Non-Pentaneurini indet.	-	-	-	-	-	-	-	1	1	1	-	2
			Orthocladiinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Moose *(cont'd)*						Nema					
Stomach #				25	26	27	28	29	30	1	2	3	4	5	6
Fish ID				MOO24-SLSC-25	MOO24-SLSC-26	MOO24-SLSC-27	MOO24-SLSC-28	MOO24-SLSC-29	MOO24-SLSC-30	NEM24-SLSC-01	NEM24-SLSC-02	NEM24-SLSC-03	NEM24-SLSC-04	NEM24-SLSC-05	NEM24-SLSC-06
Lab Sample ID				fs24-140-192	fs24-140-193	fs24-140-194	fs24-140-195	fs24-140-196	fs24-140-197	fs24-140-048	fs24-140-049	fs24-140-050	fs24-140-051	fs24-140-052	fs24-140-053
Sampling Date				29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24
Source	Major Group	Family	Taxon												
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Pentaneurini indet.	-	-	-	1	-	2	8	-	-	-	-	1
			Phaenopsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia gaedii group	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia longimanus group	-	-	-	-	-	-	-	-	1	-	-	-
			Procladius sp.	-	-	-	3	1	1	-	-	-	-	-	-
			Psectrocladius sp.	-	1	-	-	-	1	-	-	-	1	-	15
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Rheocricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Stictochironomus sp.	-	-	-	-	1	-	-	-	-	-	-	-
			Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsini indet.	3	-	-	8	-	-	-	-	1	-	-	-
			Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-	-
	Hemiptera	Corixidae	Corixinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Corixini indet.	-	-	-	-	1	-	-	-	-	-	-	-
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Neoplasta sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	1	-	-	-
			Hexatoma sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Muscidae	Muscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tipulidae indet.	-	-	-	-	-	-	3	-	1	-	-	-
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Tipuloidea indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Phryganeidae	Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	1	-	-	-

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Lake				Moose *(cont'd)*						Nema					
Stomach #				25	26	27	28	29	30	1	2	3	4	5	6
Fish ID				MOO24-SLSC-25	MOO24-SLSC-26	MOO24-SLSC-27	MOO24-SLSC-28	MOO24-SLSC-29	MOO24-SLSC-30	NEM24-SLSC-01	NEM24-SLSC-02	NEM24-SLSC-03	NEM24-SLSC-04	NEM24-SLSC-05	NEM24-SLSC-06
Lab Sample ID				fs24-140-192	fs24-140-193	fs24-140-194	fs24-140-195	fs24-140-196	fs24-140-197	fs24-140-048	fs24-140-049	fs24-140-050	fs24-140-051	fs24-140-052	fs24-140-053
Sampling Date				29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24
Source	Major Group	Family	Taxon												
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-	-
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-	-
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-	-
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-	-
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-	-
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	-	-	-	-	-	-	-	-
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	14	-	-	-
		Chydoridae	Chydoridae indet.	-	5	-	-	-	-	-	-	3	-	-	-
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Cladocera indet.	4	8	9	6	16	-	-	-	-	-	-	-
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Cyclopoida indet.	-	1	-	-	-	-	-	-	-	-	-	-
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-	-
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Nematomorpha indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

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Lake				Nema *(cont'd)*													
Stomach #				7	8	9	10	11	12	13	14	15	16	17	18		
Fish ID				NEM24-SLSC-07	NEM24-SLSC-08	NEM24-SLSC-09	NEM24-SLSC-10	NEM24-SLSC-11	NEM24-SLSC-12	NEM24-SLSC-13	NEM24-SLSC-14	NEM24-SLSC-15	NEM24-SLSC-16	NEM24-SLSC-17	NEM24-SLSC-18		
Lab Sample ID				fs24-140-054	fs24-140-055	fs24-140-056	fs24-140-057	fs24-140-058	fs24-140-059	fs24-140-060	fs24-140-061	fs24-140-062	fs24-140-063	fs24-140-064	fs24-140-065		
Sampling Date				2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	9-Sep-24		
Source	Major Group	Family	Taxon														
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		Pionidae	Pionidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Acari indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-	-		
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Hydroporinae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		Gyrinidae	Gyrinidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Coleoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-		
	Crustacea	-	Amphipoda indet.	-	1	-	-	-	-	-	-	-	-	-	-		
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-	-		
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	4	1	-	-	2	1	-	4	1	-		
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Allocladiu s sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironomidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironominae indet.	-	-	-	-	-	3	-	-	-	-	-	-		
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironomus sp.	11	6	-	-	13	30	-	-	-	-	-	1		
			Cladotanytarsu s sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Cricotopus/Orthocladius sp. complex	-	-	-	-	-	-	-	-	1	1	-	-		
			Cryptochironomus sp.	1	-	-	-	3	-	-	-	-	-	1	-		
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Diamesinae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Dicrotendipes sp.	9	-	5	8	-	6	23	6	-	-	3	-		
			Endochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Heterotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-	-		
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Micropsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Micropsectra/Tanytarsus sp. complex	5	-	-	1	1	-	-	-	-	3	-	-		
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	-	-	-	-		
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Non-Pentaneurini indet.	2	1	-	-	1	1	-	-	-	-	-	-		
			Orthocladiinae indet.	-	-	-	-	-	1	-	-	-	-	1	-		
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-		

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Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Nema *(cont'd)*												
Stomach #				7	8	9	10	11	12	13	14	15	16	17	18	
Fish ID				NEM24-SLSC-07	NEM24-SLSC-08	NEM24-SLSC-09	NEM24-SLSC-10	NEM24-SLSC-11	NEM24-SLSC-12	NEM24-SLSC-13	NEM24-SLSC-14	NEM24-SLSC-15	NEM24-SLSC-16	NEM24-SLSC-17	NEM24-SLSC-18	
Lab Sample ID				fs24-140-054	fs24-140-055	fs24-140-056	fs24-140-057	fs24-140-058	fs24-140-059	fs24-140-060	fs24-140-061	fs24-140-062	fs24-140-063	fs24-140-064	fs24-140-065	
Sampling Date				2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	9-Sep-24	
Source	Major Group	Family	Taxon													
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	1	-	-	-	-	-	-	-	-	1	-	-	
			Pentaneurini indet.	2	1	-	-	2	4	2	-	-	-	2	-	
			Phaenopsectra sp.	-	1	1	1	-	1	1	-	-	-	-	-	
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Potthastia gaedii group	-	-	-	-	-	-	-	-	-	-	-	-	
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-	-	
			Procladius sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Psectrocladius sp.	-	11	15	1	-	-	-	-	-	1	-	-	
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Rheocricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Stictochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Tanytarsini indet.	3	-	-	-	-	3	-	-	-	-	-	-	
			Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-	-	
	Hemiptera	Corixidae	Corixinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Corixini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	2	-	
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	1	-	
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Neoplasta sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Hexatoma sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Muscidae	Muscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Tipulidae indet.	-	-	-	-	-	-	-	-	-	-	1	-	
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Tipuloidea indet.	-	-	-	-	2	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Phryganeidae	Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	1	-	
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Nema *(cont'd)*												
Stomach #				7	8	9	10	11	12	13	14	15	16	17	18	
Fish ID				NEM24-SLSC-07	NEM24-SLSC-08	NEM24-SLSC-09	NEM24-SLSC-10	NEM24-SLSC-11	NEM24-SLSC-12	NEM24-SLSC-13	NEM24-SLSC-14	NEM24-SLSC-15	NEM24-SLSC-16	NEM24-SLSC-17	NEM24-SLSC-18	
Lab Sample ID				fs24-140-054	fs24-140-055	fs24-140-056	fs24-140-057	fs24-140-058	fs24-140-059	fs24-140-060	fs24-140-061	fs24-140-062	fs24-140-063	fs24-140-064	fs24-140-065	
Sampling Date				2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	9-Sep-24	
Source	Major Group	Family	Taxon													
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-	-	
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-	-	
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	Chydoridae indet.	-	-	-	-	-	-	-	-	-	2	-	-	
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cladocera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-	-	
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	1	-	-	-	-	-	-	-	-	
	Other Diptera	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Nematomorpha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:

Indet. = indeterminate; sp. = species

Taxonomic analysis completed by Biologica Environmental Services.

Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Nema *(cont'd)*												
Stomach #				19	20	21	22	23	24	25	26	27	28	29	30	
Fish ID				NEM24-SLSC-19	NEM24-SLSC-20	NEM24-SLSC-21	NEM24-SLSC-22	NEM24-SLSC-23	NEM24-SLSC-24	NEM24-SLSC-25	NEM24-SLSC-26	NEM24-SLSC-27	NEM24-SLSC-28	NEM24-SLSC-29	NEM24-SLSC-30	
Lab Sample ID				fs24-140-066	fs24-140-067	fs24-140-068	fs24-140-069	fs24-140-070	fs24-140-071	fs24-140-072	fs24-140-073	fs24-140-074	fs24-140-075	fs24-140-076	fs24-140-077	
Sampling Date				9-Sep-24	9-Sep-24	9-Sep-24	10-Sep-24	10-Sep-24	10-Sep-24	10-Sep-24	12-Sep-24	12-Sep-24	12-Sep-24	12-Sep-24	12-Sep-24	
Source	Major Group	Family	Taxon													
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Pionidae	Pionidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Acari indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Hydroporinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Gyrinidae	Gyrinidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Coleoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Ostracoda indet.	-	-	1	-	-	-	-	-	-	-	-	-	
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	-	-	-	1	-	-	-	-	-	-	
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Allocladiu s sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Chironomidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Chironomus sp.	2	1	-	-	1	1	2	9	4	-	-	-	
			Cladotanytarsu s sp.	-	-	-	-	-	1	-	-	-	-	-	-	
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Cricotopus/Orthocladius sp. complex	9	1	-	5	4	-	-	-	-	1	2	1	
			Cryptochironomus sp.	-	-	-	-	-	-	-	-	-	1	-	-	
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Diamesinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Dicrotendipes sp.	3	2	1	-	2	-	-	2	1	-	2	-	
			Endochironomus sp.	2	3	2	-	1	-	-	-	-	-	-	-	
			Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Heterotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-	-	
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Micropsectra sp.	-	-	-	39	3	6	28	6	3	-	53	1	
			Micropsectra/Tanytarsus sp. complex	5	-	-	53	10	28	51	34	4	-	92	21	
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	-	-	-	-	
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Non-Pentaneurini indet.	1	-	-	-	1	-	1	1	-	4	-	-	
			Orthocladiinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Nema *(cont'd)*												
Stomach #				19	20	21	22	23	24	25	26	27	28	29	30	
Fish ID				NEM24-SLSC-19	NEM24-SLSC-20	NEM24-SLSC-21	NEM24-SLSC-22	NEM24-SLSC-23	NEM24-SLSC-24	NEM24-SLSC-25	NEM24-SLSC-26	NEM24-SLSC-27	NEM24-SLSC-28	NEM24-SLSC-29	NEM24-SLSC-30	
Lab Sample ID				fs24-140-066	fs24-140-067	fs24-140-068	fs24-140-069	fs24-140-070	fs24-140-071	fs24-140-072	fs24-140-073	fs24-140-074	fs24-140-075	fs24-140-076	fs24-140-077	
Sampling Date				9-Sep-24	9-Sep-24	9-Sep-24	10-Sep-24	10-Sep-24	10-Sep-24	10-Sep-24	12-Sep-24	12-Sep-24	12-Sep-24	12-Sep-24	12-Sep-24	
Source	Major Group	Family	Taxon													
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Pentaneurini indet.	9	13	-	1	1	-	-	3	-	-	-	-	
			Phaenopsectra sp.	-	-	-	-	-	-	-	-	-	1	-	-	
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Potthastia gaedii group	-	-	-	-	-	-	-	-	-	-	-	-	
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-	-	
			Procladius sp.	-	-	-	-	-	-	-	-	1	-	1	-	
			Psectrocladius sp.	7	12	-	3	2	-	-	-	1	-	-	-	
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Rheocricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Stictochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Tanytarsini indet.	-	2	-	50	11	-	-	-	-	19	-	-	
			Tanytarsus sp.	-	-	-	8	-	-	2	1	-	-	-	1	
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-	-	
	Hemiptera	Corixidae	Corixinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Corixini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Ceratopogoninae indet.	1	-	-	-	-	-	-	-	-	-	-	-	
			Dasyhelea sp.	-	-	-	1	-	-	-	-	-	-	-	-	
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Empididae	Empididae indet.	-	-	-	-	-	-	-	2	-	-	-	-	
			Neoplasta sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Hexatoma sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Muscidae	Muscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	-	-	1	-	-	-	
			Tipulidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Tipuloidea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Phryganeidae	Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Nema *(cont'd)*												
Stomach #				19	20	21	22	23	24	25	26	27	28	29	30	
Fish ID				NEM24-SLSC-19	NEM24-SLSC-20	NEM24-SLSC-21	NEM24-SLSC-22	NEM24-SLSC-23	NEM24-SLSC-24	NEM24-SLSC-25	NEM24-SLSC-26	NEM24-SLSC-27	NEM24-SLSC-28	NEM24-SLSC-29	NEM24-SLSC-30	
Lab Sample ID				fs24-140-066	fs24-140-067	fs24-140-068	fs24-140-069	fs24-140-070	fs24-140-071	fs24-140-072	fs24-140-073	fs24-140-074	fs24-140-075	fs24-140-076	fs24-140-077	
Sampling Date				9-Sep-24	9-Sep-24	9-Sep-24	10-Sep-24	10-Sep-24	10-Sep-24	10-Sep-24	12-Sep-24	12-Sep-24	12-Sep-24	12-Sep-24	12-Sep-24	
Source	Major Group	Family	Taxon													
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-	-	
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-	-	
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	Chydoridae indet.	-	-	-	1	1	-	-	-	-	-	-	-	
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cladocera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-	-	
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Nematomorpha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Unidentified egg	-	1	-	-	-	-	-	-	-	-	-	-	

Notes:

Indet. = indeterminate; sp. = species

Taxonomic analysis completed by Biologica Environmental Services.

Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Slipper											
Stomach #				1	2	3	4	5	6	7	8	9	10	11	12
Fish ID				SLP24-SLSC-01	SLP24-SLSC-02	SLP24-SLSC-03	SLP24-SLSC-04	SLP24-SLSC-05	SLP24-SLSC-06	SLP24-SLSC-07	SLP24-SLSC-08	SLP24-SLSC-09	SLP24-SLSC-10	SLP24-SLSC-11	SLP24-SLSC-12
Lab Sample ID				fs24-140-408	fs24-140-409	fs24-140-410	fs24-140-411	fs24-140-412	fs24-140-413	fs24-140-414	fs24-140-415	fs24-140-416	fs24-140-417	fs24-140-418	fs24-140-419
Sampling Date				15-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24	16-Aug-24	16-Aug-24	16-Aug-24	16-Aug-24	16-Aug-24
Source	Major Group	Family	Taxon												
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Pionidae	Pionidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Acari indet.	-	-	-	-	-	1	-	-	-	-	-	-
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Hydroporinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Gyrinidae	Gyrinidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Coleoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	1	-	-	-	1	-	-	-	-	-	-	-
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Allocladiu s sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironomidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironomus sp.	-	42	9	-	-	-	-	-	-	-	3	-
			Cladotanytarsu s sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Cricotopus/Orthocladius sp. complex	-	-	-	37	-	-	-	2	-	1	-	1
			Cryptochironomus sp.	-	3	3	-	2	-	-	-	-	1	-	1
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Diamesinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dicrotendipes sp.	-	-	2	4	-	-	1	-	-	-	-	-
			Endochironomus sp.	-	-	-	-	-	-	-	-	-	1	-	-
			Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotanytarsus sp.	-	1	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius marcidus	-	-	1	-	3	1	-	-	-	-	-	-
			Heterotrissocladius sp.	-	1	-	-	-	-	1	-	-	1	-	1
			Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra/Tanytarsus sp. complex	-	-	-	-	-	-	-	-	-	-	-	-
			Microtendipes pedellus group	-	1	6	-	-	-	-	-	-	-	-	-
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Non-Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Orthocladiinae indet.	-	-	-	-	-	-	-	-	-	1	-	-
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Slipper											
Stomach #				1	2	3	4	5	6	7	8	9	10	11	12
Fish ID				SLP24-SLSC-01	SLP24-SLSC-02	SLP24-SLSC-03	SLP24-SLSC-04	SLP24-SLSC-05	SLP24-SLSC-06	SLP24-SLSC-07	SLP24-SLSC-08	SLP24-SLSC-09	SLP24-SLSC-10	SLP24-SLSC-11	SLP24-SLSC-12
Lab Sample ID				fs24-140-408	fs24-140-409	fs24-140-410	fs24-140-411	fs24-140-412	fs24-140-413	fs24-140-414	fs24-140-415	fs24-140-416	fs24-140-417	fs24-140-418	fs24-140-419
Sampling Date				15-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24	16-Aug-24	16-Aug-24	16-Aug-24	16-Aug-24	16-Aug-24
Source	Major Group	Family	Taxon												
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	-	-	-	3	-	-	-	8	-	1	-	5
			Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Phaenopsectra sp.	-	-	-	-	-	-	-	-	-	-	-	1
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia gaedii group	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-	-
			Procladius sp.	-	4	2	-	1	2	-	-	-	-	2	1
			Psectrocladius sp.	-	-	-	2	-	-	-	-	-	-	-	-
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Rheocricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Stictochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsini indet.	-	-	-	-	-	1	-	-	-	-	1	3
			Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-	-
	Hemiptera	Corixidae	Corixinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Corixini indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	1	-	-
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Neoplasta sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Hexatoma sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Muscidae	Muscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tipulidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Tipuloidea indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Phryganeidae	Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera indet.	-	-	1	-	-	-	-	-	-	-	-	-
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-	-

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Lake				Slipper												
Stomach #				1	2	3	4	5	6	7	8	9	10	11	12	
Fish ID				SLP24-SLSC-01	SLP24-SLSC-02	SLP24-SLSC-03	SLP24-SLSC-04	SLP24-SLSC-05	SLP24-SLSC-06	SLP24-SLSC-07	SLP24-SLSC-08	SLP24-SLSC-09	SLP24-SLSC-10	SLP24-SLSC-11	SLP24-SLSC-12	
Lab Sample ID				fs24-140-408	fs24-140-409	fs24-140-410	fs24-140-411	fs24-140-412	fs24-140-413	fs24-140-414	fs24-140-415	fs24-140-416	fs24-140-417	fs24-140-418	fs24-140-419	
Sampling Date				15-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24	16-Aug-24	16-Aug-24	16-Aug-24	16-Aug-24	16-Aug-24	
Source	Major Group	Family	Taxon													
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-	-	
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-	-	
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	Chydoridae indet.	-	-	-	3	-	-	-	29	-	-	-	1	
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cladocera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-	-	
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Nematomorpha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:

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Lake				Slipper *(cont'd)*													
Stomach #				**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Fish ID				**SLP24-SLSC-13**	**SLP24-SLSC-14**	**SLP24-SLSC-15**	**SLP24-SLSC-16**	**SLP24-SLSC-17**	**SLP24-SLSC-18**	**SLP24-SLSC-19**	**SLP24-SLSC-20**	**SLP24-SLSC-21**	**SLP24-SLSC-22**	**SLP24-SLSC-23**	**SLP24-SLSC-24**
Lab Sample ID				**fs24-140-420**	**fs24-140-421**	**fs24-140-031**	**fs24-140-032**	**fs24-140-033**	**fs24-140-034**	**fs24-140-035**	**fs24-140-036**	**fs24-140-037**	**fs24-140-038**	**fs24-140-039**	**fs24-140-040**
Sampling Date				**16-Aug-24**	**16-Aug-24**	**16-Aug-24**	**16-Aug-24**	**17-Aug-24**	**17-Aug-24**	**17-Aug-24**	**17-Aug-24**	**18-Aug-24**	**18-Aug-24**	**18-Aug-24**	**18-Aug-24**
Source	**Major Group**	**Family**	**Taxon**												
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Pionidae	Pionidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Acari indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Hydroporinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Gyrinidae	Gyrinidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Coleoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Ostracoda indet.	-	-	-	-	-	-	-	3	-	-	-	-
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	-	-	-	-	-	-	1	-	-	-
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Allocladiu s sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironomidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironominae indet.	-	-	-	-	-	-	-	1	-	-	-	-
			Chironomini indet.	-	-	-	-	-	-	-	-	-	1	-	-
			Chironomus sp.	1	5	-	6	-	-	-	1	-	-	-	-
			Cladotanytarsu s sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Cricotopus/Orthocladius sp. complex	-	-	-	-	1	2	14	9	2	3	6	2
			Cryptochironomus sp.	-	1	-	-	-	-	-	1	-	-	-	-
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Diamesinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dicrotendipes sp.	-	-	-	5	-	-	1	6	1	-	-	-
			Endochironomus sp.	-	-	-	-	-	-	-	-	1	-	-	-
			Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius marcidus	2	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra/Tanytarsus sp. complex	2	-	-	1	1	-	-	-	-	-	-	-
			Microtendipes pedellus group	-	-	-	-	-	1	-	-	1	2	-	1
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Non-Pentaneurini indet.	-	-	-	1	-	-	-	3	-	1	-	-
			Orthocladiinae indet.	-	-	-	-	-	-	2	-	-	-	-	-
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-

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Lake				Slipper *(cont'd)*												
Stomach #				13	14	15	16	17	18	19	20	21	22	23	24	
Fish ID				SLP24-SLSC-13	SLP24-SLSC-14	SLP24-SLSC-15	SLP24-SLSC-16	SLP24-SLSC-17	SLP24-SLSC-18	SLP24-SLSC-19	SLP24-SLSC-20	SLP24-SLSC-21	SLP24-SLSC-22	SLP24-SLSC-23	SLP24-SLSC-24	
Lab Sample ID				fs24-140-420	fs24-140-421	fs24-140-031	fs24-140-032	fs24-140-033	fs24-140-034	fs24-140-035	fs24-140-036	fs24-140-037	fs24-140-038	fs24-140-039	fs24-140-040	
Sampling Date				16-Aug-24	16-Aug-24	16-Aug-24	16-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	18-Aug-24	18-Aug-24	18-Aug-24	18-Aug-24	
Source	Major Group	Family	Taxon													
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	-	-	-	-	-	-	-	-	-	-	-	11	
			Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Phaenopsectra sp.	-	1	-	-	-	1	-	1	-	-	-	-	
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Potthastia gaedii group	-	-	-	-	-	-	-	-	-	-	-	-	
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-	-	
			Procladius sp.	-	1	-	-	-	-	-	-	-	-	-	-	
			Psectrocladius sp.	-	1	-	-	-	-	3	-	-	-	-	-	
			Pseudochironomus sp.	-	1	-	-	-	-	-	-	-	-	-	-	
			Rheocricotopus sp.	-	-	-	-	1	-	2	-	-	-	-	-	
			Stictochironomus sp.	-	-	-	1	-	-	-	-	-	-	-	-	
			Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Tanytarsini indet.	3	-	-	-	-	1	2	-	-	17	-	-	
			Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-	-	
	Hemiptera	Corixidae	Corixinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Corixini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	1	-	-	-	-	
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Neoplasta sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Hexatoma sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Muscidae	Muscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Tipulidae indet.	-	-	-	-	-	-	1	-	-	-	-	-	
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-	1	
		-	Diptera indet.	1	-	-	-	-	-	-	-	-	-	-	-	
		-	Tipuloidea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Phryganeidae	Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera indet.	-	-	-	-	1	-	-	-	-	-	-	-	
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Slipper *(cont'd)*												
Stomach #				13	14	15	16	17	18	19	20	21	22	23	24	
Fish ID				SLP24-SLSC-13	SLP24-SLSC-14	SLP24-SLSC-15	SLP24-SLSC-16	SLP24-SLSC-17	SLP24-SLSC-18	SLP24-SLSC-19	SLP24-SLSC-20	SLP24-SLSC-21	SLP24-SLSC-22	SLP24-SLSC-23	SLP24-SLSC-24	
Lab Sample ID				fs24-140-420	fs24-140-421	fs24-140-031	fs24-140-032	fs24-140-033	fs24-140-034	fs24-140-035	fs24-140-036	fs24-140-037	fs24-140-038	fs24-140-039	fs24-140-040	
Sampling Date				16-Aug-24	16-Aug-24	16-Aug-24	16-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	18-Aug-24	18-Aug-24	18-Aug-24	18-Aug-24	
Source	Major Group	Family	Taxon													
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-	-	
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-	-	
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	Chydoridae indet.	-	-	2	-	-	-	-	-	6	22	7	-	
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cladocera indet.	-	-	-	-	1	1	-	-	-	-	-	-	
		-	Copepoda indet.	-	1	-	-	-	-	-	-	-	-	-	-	
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-	-	
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Nematomorpha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	1	-	-	

Notes:

Indet. = indeterminate; sp. = species

Taxonomic analysis completed by Biologica Environmental Services.

Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Slipper *(cont'd)*						Cujo					
Stomach #				25	26	27	28	29	30	1	2	3	4	5	6
Fish ID				SLP24-SLSC-25	SLP24-SLSC-26	SLP24-SLSC-27	SLP24-SLSC-28	SLP24-SLSC-29	SLP24-SLSC-30	CUJ24-SLSC-01	CUJ24-SLSC-02	CUJ24-SLSC-03	CUJ24-SLSC-04	CUJ24-SLSC-05	CUJ24-SLSC-06
Lab Sample ID				fs24-140-041	fs24-140-042	fs24-140-043	fs24-140-044	fs24-140-045	fs24-140-046	fs24-140-271	fs24-140-272	fs24-140-273	fs24-140-274	fs24-140-275	fs24-140-276
Sampling Date				18-Aug-24	18-Aug-24	18-Aug-24	18-Aug-24	18-Aug-24	18-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24
Source	Major Group	Family	Taxon												
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Pionidae	Pionidae indet.	-	-	-	-	-	-	-	-	-	-	-	1
		-	Acari indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Hydroporinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Gyrinidae	Gyrinidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Coleoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	-	-	-	-	-	-	2	-	-	-
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Allocladiu s sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironomidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironomus sp.	-	-	-	-	-	-	12	6	6	1	-	6
			Cladotanytarsu s sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Corynoneura sp.	-	-	-	1	-	-	-	-	-	-	-	-
			Cricotopus/Orthocladius sp. complex	-	-	3	5	6	-	-	-	-	-	-	-
			Cryptochironomus sp.	-	-	-	-	-	-	1	4	1	-	-	-
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Diamesinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dicrotendipes sp.	-	2	3	2	2	-	-	-	-	-	-	-
			Endochironomus sp.	-	-	-	-	-	-	2	-	-	-	9	-
			Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius sp.	-	-	2	-	-	-	-	-	-	-	-	-
			Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra/Tanytarsus sp. complex	-	-	-	-	-	-	-	-	-	-	-	-
			Microtendipes pedellus group	-	-	-	1	-	-	-	-	-	-	-	-
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Non-Pentaneurini indet.	-	-	-	-	-	-	2	2	-	-	-	-
			Orthocladiinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
Indet. = indeterminate; sp. = species
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Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Slipper *(cont'd)*						Cujo					
Stomach #				25	26	27	28	29	30	1	2	3	4	5	6
Fish ID				SLP24-SLSC-25	SLP24-SLSC-26	SLP24-SLSC-27	SLP24-SLSC-28	SLP24-SLSC-29	SLP24-SLSC-30	CUJ24-SLSC-01	CUJ24-SLSC-02	CUJ24-SLSC-03	CUJ24-SLSC-04	CUJ24-SLSC-05	CUJ24-SLSC-06
Lab Sample ID				fs24-140-041	fs24-140-042	fs24-140-043	fs24-140-044	fs24-140-045	fs24-140-046	fs24-140-271	fs24-140-272	fs24-140-273	fs24-140-274	fs24-140-275	fs24-140-276
Sampling Date				18-Aug-24	18-Aug-24	18-Aug-24	18-Aug-24	18-Aug-24	18-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24
Source	Major Group	Family	Taxon												
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	7	-	1	4	2	-	-	-	-	-	-	-
			Pentaneurini indet.	-	-	1	-	-	-	-	-	-	-	-	-
			Phaenopsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia gaedii group	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-	-
			Procladius sp.	-	-	1	-	-	-	-	-	1	-	-	1
			Psectrocladius sp.	-	-	-	1	-	-	-	-	-	-	-	-
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Rheocricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Stictochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-	-
	Hemiptera	Corixidae	Corixinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Corixini indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	6	-	1	-	-	-	-	-	-	-
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dasyhelea sp.	-	-	-	-	-	-	-	-	1	-	-	-
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Empididae	Empididae indet.	-	-	1	-	-	-	-	-	-	-	-	-
			Neoplasta sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Hexatoma sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Muscidae	Muscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tipulidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Tipuloidea indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Phryganeidae	Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
Indet. = indeterminate; sp. = species
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Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Slipper *(cont'd)*						Cujo					
Stomach #				25	26	27	28	29	30	1	2	3	4	5	6
Fish ID				SLP24-SLSC-25	SLP24-SLSC-26	SLP24-SLSC-27	SLP24-SLSC-28	SLP24-SLSC-29	SLP24-SLSC-30	CUJ24-SLSC-01	CUJ24-SLSC-02	CUJ24-SLSC-03	CUJ24-SLSC-04	CUJ24-SLSC-05	CUJ24-SLSC-06
Lab Sample ID				fs24-140-041	fs24-140-042	fs24-140-043	fs24-140-044	fs24-140-045	fs24-140-046	fs24-140-271	fs24-140-272	fs24-140-273	fs24-140-274	fs24-140-275	fs24-140-276
Sampling Date				18-Aug-24	18-Aug-24	18-Aug-24	18-Aug-24	18-Aug-24	18-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24
Source	Major Group	Family	Taxon												
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-	-
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-	-
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-	-
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-	-
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-	-
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	-	-	7	-	-	-	-	-
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Chydoridae	Chydoridae indet.	-	-	-	-	30	-	-	-	-	-	-	-
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	5	-	32	-	-	-
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Cladocera indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	*Ephippia*	-	-	-	-	6	-	-	-	-	-	-	-
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Nematomorpha indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

Indet. = indeterminate; sp. = species

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Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Cujo *(cont'd)*													
Stomach #				7	8	9	10	11	12	13	14	15	16	17	18		
Fish ID				CUJ24-SLSC-07	CUJ24-SLSC-08	CUJ24-SLSC-09	CUJ24-SLSC-10	CUJ24-SLSC-11	CUJ24-SLSC-12	CUJ24-SLSC-13	CUJ24-SLSC-14	CUJ24-SLSC-15	CUJ24-SLSC-16	CUJ24-SLSC-17	CUJ24-SLSC-18		
Lab Sample ID				fs24-140-277	fs24-140-278	fs24-140-279	fs24-140-280	fs24-140-281	fs24-140-282	fs24-140-283	fs24-140-284	fs24-140-285	fs24-140-286	fs24-140-287	fs24-140-288		
Sampling Date				26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24		
Source	Major Group	Family	Taxon														
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		Pionidae	Pionidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Acari indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-	-		
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Dytiscidae indet.	-	-	-	-	-	-	-	1	-	-	-	-		
			Hydroporinae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		Gyrinidae	Gyrinidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Coleoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-		
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-	-		
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	1	1	-	2	-	-	-	-	-	-	-	-		
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Allocladiu s sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironomidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironomus sp.	1	4	9	-	-	1	1	1	-	-	-	4		
			Cladotanytarsu s sp.	-	-	-	-	-	-	-	1	-	-	2	-		
			Corynocera sp.	-	-	-	-	-	1	-	-	-	-	-	-		
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Cricotopus/Orthocladius sp. complex	-	-	-	-	2	-	1	-	-	-	-	-		
			Cryptochironomus sp.	1	-	-	-	-	2	-	-	-	-	-	-		
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Diamesinae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Dicrotendipes sp.	2	2	-	1	-	2	-	-	-	-	-	-		
			Endochironomus sp.	-	12	1	1	-	-	-	-	-	-	-	-		
			Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Glyptotendipes sp.	-	-	-	-	-	-	1	3	-	-	-	1		
			Heterotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-	-		
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Micropsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Micropsectra/Tanytarsus sp. complex	-	-	-	-	-	-	-	-	-	-	-	-		
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	-	-	-	-		
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Non-Pentaneurini indet.	-	-	-	-	-	-	-	1	-	-	-	-		
			Orthocladiinae indet.	1	-	-	-	-	-	-	-	-	-	-	-		
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-		

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Cujo *(cont'd)*												
Stomach #				7	8	9	10	11	12	13	14	15	16	17	18	
Fish ID				CUJ24-SLSC-07	CUJ24-SLSC-08	CUJ24-SLSC-09	CUJ24-SLSC-10	CUJ24-SLSC-11	CUJ24-SLSC-12	CUJ24-SLSC-13	CUJ24-SLSC-14	CUJ24-SLSC-15	CUJ24-SLSC-16	CUJ24-SLSC-17	CUJ24-SLSC-18	
Lab Sample ID				fs24-140-277	fs24-140-278	fs24-140-279	fs24-140-280	fs24-140-281	fs24-140-282	fs24-140-283	fs24-140-284	fs24-140-285	fs24-140-286	fs24-140-287	fs24-140-288	
Sampling Date				26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	
Source	Major Group	Family	Taxon													
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	-	-	-	-	-	-	-	1	-	-	2	-	
			Pentaneurini indet.	-	-	1	-	-	1	-	-	-	-	-	-	
			Phaenopsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Potthastia gaedii group	-	-	-	-	-	-	-	-	-	-	-	-	
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-	-	
			Procladius sp.	-	-	-	-	-	6	-	-	-	-	4	-	
			Psectrocladius sp.	5	-	-	-	-	2	-	-	-	-	-	-	
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Rheocricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Stictochironomus sp.	-	-	-	-	-	1	-	-	-	-	-	-	
			Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Tanytarsini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Corixidae	Corixinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Corixini indet.	-	-	-	-	-	-	-	-	2	-	-	-	
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Neoplasta sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Hexatoma sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Muscidae	Muscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Tipulidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Tipuloidea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Phryganeidae	Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Cujo *(cont'd)*												
Stomach #				7	8	9	10	11	12	13	14	15	16	17	18	
Fish ID				CUJ24-SLSC-07	CUJ24-SLSC-08	CUJ24-SLSC-09	CUJ24-SLSC-10	CUJ24-SLSC-11	CUJ24-SLSC-12	CUJ24-SLSC-13	CUJ24-SLSC-14	CUJ24-SLSC-15	CUJ24-SLSC-16	CUJ24-SLSC-17	CUJ24-SLSC-18	
Lab Sample ID				fs24-140-277	fs24-140-278	fs24-140-279	fs24-140-280	fs24-140-281	fs24-140-282	fs24-140-283	fs24-140-284	fs24-140-285	fs24-140-286	fs24-140-287	fs24-140-288	
Sampling Date				26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	
Source	Major Group	Family	Taxon													
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-	-	
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-	-	
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	1	-	-	-	-	-	-	-	
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	Chydoridae indet.	1	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	29	114	
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	1	-	
		-	Cladocera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-	-	
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	1	-	-	-	-	-	-	-	-	-	
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Nematomorpha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Unidentified egg	-	-	-	-	1	-	-	-	-	-	-	-	

Notes:

Indet. = indeterminate; sp. = species

Taxonomic analysis completed by Biologica Environmental Services.

Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Cujo *(cont'd)*												
Stomach #				19	20	21	22	23	24	25	26	27	28	29	30	
Fish ID				CUJ24-SLSC-19	CUJ24-SLSC-20	CUJ24-SLSC-21	CUJ24-SLSC-22	CUJ24-SLSC-23	CUJ24-SLSC-24	CUJ24-SLSC-25	CUJ24-SLSC-26	CUJ24-SLSC-27	CUJ24-SLSC-28	CUJ24-SLSC-29	CUJ24-SLSC-30	
Lab Sample ID				fs24-140-289	fs24-140-290	fs24-140-291	fs24-140-292	fs24-140-293	fs24-140-294	fs24-140-295	fs24-140-296	fs24-140-297	fs24-140-298	fs24-140-299	fs24-140-300	
Sampling Date				28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	
Source	Major Group	Family	Taxon													
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Pionidae	Pionidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Acari indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Hydroporinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Gyrinidae	Gyrinidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Coleoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	2	-	1	1	-	-	-	3	-	-	-	
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Allocladiu s sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Chironomidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Chironomus sp.	-	-	-	-	-	-	1	-	4	4	-	-	
			Cladotanytarsu s sp.	-	-	-	3	1	-	-	-	-	-	-	1	
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Cricotopus/Orthocladius sp. complex	-	-	-	-	-	-	-	-	-	-	-	-	
			Cryptochironomus sp.	-	1	-	-	-	-	1	-	1	-	-	-	
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Diamesinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Dicrotendipes sp.	-	2	-	1	-	-	-	-	3	1	-	-	
			Endochironomus sp.	-	-	-	-	5	-	2	-	-	-	-	-	
			Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Glyptotendipes sp.	3	-	1	-	3	-	-	1	3	-	-	-	
			Heterotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-	-	
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Micropsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Micropsectra/Tanytarsus sp. complex	-	-	-	4	-	-	-	-	4	-	-	1	
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	-	-	-	-	
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Non-Pentaneurini indet.	-	-	-	-	-	-	-	-	1	-	-	-	
			Orthocladiinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Parachironomus sp.	-	-	-	-	1	-	-	-	-	-	-	-	
			Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:
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Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Cujo *(cont'd)*											
Stomach #				19	20	21	22	23	24	25	26	27	28	29	30
Fish ID				CUJ24-SLSC-19	CUJ24-SLSC-20	CUJ24-SLSC-21	CUJ24-SLSC-22	CUJ24-SLSC-23	CUJ24-SLSC-24	CUJ24-SLSC-25	CUJ24-SLSC-26	CUJ24-SLSC-27	CUJ24-SLSC-28	CUJ24-SLSC-29	CUJ24-SLSC-30
Lab Sample ID				fs24-140-289	fs24-140-290	fs24-140-291	fs24-140-292	fs24-140-293	fs24-140-294	fs24-140-295	fs24-140-296	fs24-140-297	fs24-140-298	fs24-140-299	fs24-140-300
Sampling Date				28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24
Source	Major Group	Family	Taxon												
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	-	-	-	2	-	-	-	-	-	-	-	-
			Pentaneurini indet.	1	-	-	-	-	-	-	-	-	-	-	-
			Phaenopsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia gaedii group	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-	-
			Procladius sp.	-	2	-	-	-	-	-	-	-	-	-	2
			Psectrocladius sp.	-	5	-	1	4	-	1	-	3	-	-	-
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Rheocricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Stictochironomus sp.	-	1	-	-	-	-	-	-	-	-	-	-
			Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsini indet.	-	5	-	-	-	-	-	4	-	-	-	-
			Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	1	-	-
	Hemiptera	Corixidae	Corixinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Corixini indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Neoplasta sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Hexatoma sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Muscidae	Muscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tipulidae indet.	-	-	-	-	-	2	-	-	-	-	-	-
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Tipuloidea indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Phryganeidae	Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Cujo *(cont'd)*												
Stomach #				19	20	21	22	23	24	25	26	27	28	29	30	
Fish ID				CUJ24-SLSC-19	CUJ24-SLSC-20	CUJ24-SLSC-21	CUJ24-SLSC-22	CUJ24-SLSC-23	CUJ24-SLSC-24	CUJ24-SLSC-25	CUJ24-SLSC-26	CUJ24-SLSC-27	CUJ24-SLSC-28	CUJ24-SLSC-29	CUJ24-SLSC-30	
Lab Sample ID				fs24-140-289	fs24-140-290	fs24-140-291	fs24-140-292	fs24-140-293	fs24-140-294	fs24-140-295	fs24-140-296	fs24-140-297	fs24-140-298	fs24-140-299	fs24-140-300	
Sampling Date				28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	28-Aug-24	
Source	Major Group	Family	Taxon													
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-	-	
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-	-	
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	Chydoridae indet.	-	1	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cladocera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-	-	
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Nematomorpha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:

Indet. = indeterminate; sp. = species

Taxonomic analysis completed by Biologica Environmental Services.

Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Horseshoe											
Stomach #				1	2	3	4	5	6	7	8	9	10	11	12
Fish ID				HOS24-SLSC-01	HOS24-SLSC-02	HOS24-SLSC-03	HOS24-SLSC-04	HOS24-SLSC-05	HOS24-SLSC-06	HOS24-SLSC-07	HOS24-SLSC-08	HOS24-SLSC-09	HOS24-SLSC-10	HOS24-SLSC-11	HOS24-SLSC-12
Lab Sample ID				fs24-140-241	fs24-140-242	fs24-140-243	fs24-140-244	fs24-140-245	fs24-140-246	fs24-140-247	fs24-140-248	fs24-140-249	fs24-140-250	fs24-140-251	fs24-140-252
Sampling Date				6-Sep-24	6-Sep-24	6-Sep-24	6-Sep-24	6-Sep-24	6-Sep-24	6-Sep-24	6-Sep-24	6-Sep-24	6-Sep-24	6-Sep-24	7-Sep-24
Source	Major Group	Family	Taxon												
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Pionidae	Pionidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Acari indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Hydroporinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Gyrinidae	Gyrinidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Coleoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	1	4	1	-	-	-	-	-	-	-	-
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Allocladiu s sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironomidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironomus sp.	13	-	1	7	47	-	6	29	-	8	8	7
			Cladotanytarsu s sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Corynoneura sp.	-	1	-	-	-	-	-	-	-	-	-	-
			Cricotopus/Orthocladius sp. complex	7	26	7	-	1	1	-	-	-	2	-	-
			Cryptochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Diamesinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dicrotendipes sp.	-	-	5	-	1	-	-	-	-	-	-	-
			Endochironomus sp.	-	-	-	-	1	1	-	-	-	-	-	-
			Eukiefferiella sp.	-	-	2	-	-	-	-	-	-	-	-	-
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Limnophyes sp.	-	-	-	-	-	-	-	-	3	-	-	-
			Micropsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra/Tanytarsus sp. complex	-	-	-	-	-	-	-	-	-	-	1	-
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	-	-	-	-
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Non-Pentaneurini indet.	-	-	2	-	-	-	-	-	-	-	-	-
			Orthocladiinae indet.	-	11	5	8	-	-	5	-	20	-	1	-
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-

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Lake				Horseshoe											
Stomach #				1	2	3	4	5	6	7	8	9	10	11	12
Fish ID				HOS24-SLSC-01	HOS24-SLSC-02	HOS24-SLSC-03	HOS24-SLSC-04	HOS24-SLSC-05	HOS24-SLSC-06	HOS24-SLSC-07	HOS24-SLSC-08	HOS24-SLSC-09	HOS24-SLSC-10	HOS24-SLSC-11	HOS24-SLSC-12
Lab Sample ID				fs24-140-241	fs24-140-242	fs24-140-243	fs24-140-244	fs24-140-245	fs24-140-246	fs24-140-247	fs24-140-248	fs24-140-249	fs24-140-250	fs24-140-251	fs24-140-252
Sampling Date				6-Sep-24	6-Sep-24	6-Sep-24	6-Sep-24	6-Sep-24	6-Sep-24	6-Sep-24	6-Sep-24	6-Sep-24	6-Sep-24	6-Sep-24	7-Sep-24
Source	Major Group	Family	Taxon												
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	1	3	4	-	-	1	4	-	-	-	-	-
			Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Phaenopsectra sp.	-	-	-	-	-	-	-	-	-	-	-	1
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia gaedii group	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-	-
			Procladius sp.	-	-	-	1	-	-	-	-	-	-	-	1
			Psectrocladius sp.	36	23	89	6	2	-	10	3	1	-	13	-
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Rheocricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Stictochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-	-
	Hemiptera	Corixidae	Corixinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Corixini indet.	-	-	-	-	-	-	-	-	-	1	-	-
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Ceratopogoninae indet.	1	-	-	-	-	-	1	-	1	-	-	-
			Dasyhelea sp.	-	4	5	-	-	-	1	-	-	-	1	-
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	-	-	-	-	12	-	-	-
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Neoplasta sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Hexatoma sp.	-	-	-	2	-	-	1	-	1	-	-	-
		Muscidae	Muscidae indet.	-	-	-	-	-	-	-	-	2	-	-	2
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tipulidae indet.	-	-	2	1	-	3	-	-	2	1	2	-
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Tipuloidea indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-	1
		Phryganeidae	Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera indet.	-	-	-	1	-	1	-	-	-	-	-	-
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
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Lake				Horseshoe												
Stomach #				1	2	3	4	5	6	7	8	9	10	11	12	
Fish ID				HOS24-SLSC-01	HOS24-SLSC-02	HOS24-SLSC-03	HOS24-SLSC-04	HOS24-SLSC-05	HOS24-SLSC-06	HOS24-SLSC-07	HOS24-SLSC-08	HOS24-SLSC-09	HOS24-SLSC-10	HOS24-SLSC-11	HOS24-SLSC-12	
Lab Sample ID				fs24-140-241	fs24-140-242	fs24-140-243	fs24-140-244	fs24-140-245	fs24-140-246	fs24-140-247	fs24-140-248	fs24-140-249	fs24-140-250	fs24-140-251	fs24-140-252	
Sampling Date				6-Sep-24	6-Sep-24	6-Sep-24	6-Sep-24	6-Sep-24	6-Sep-24	6-Sep-24	6-Sep-24	6-Sep-24	6-Sep-24	6-Sep-24	7-Sep-24	
Source	Major Group	Family	Taxon													
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-	-	
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-	-	
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	Chydoridae indet.	-	-	-	-	-	-	-	-	7	-	-	-	
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cladocera indet.	-	-	1	-	-	-	-	-	-	-	-	-	
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-	-	
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-	1	
		-	Nematomorpha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:

Indet. = indeterminate; sp. = species

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Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Horseshoe *(cont'd)*													
Stomach #				13	14	15	16	17	18	19	20	21	22	23	24		
Fish ID				HOS24-SLSC-13	HOS24-SLSC-14	HOS24-SLSC-15	HOS24-SLSC-16	HOS24-SLSC-17	HOS24-SLSC-18	HOS24-SLSC-19	HOS24-SLSC-20	HOS24-SLSC-21	HOS24-SLSC-22	HOS24-SLSC-23	HOS24-SLSC-24		
Lab Sample ID				fs24-140-253	fs24-140-254	fs24-140-255	fs24-140-256	fs24-140-257	fs24-140-258	fs24-140-259	fs24-140-260	fs24-140-261	fs24-140-262	fs24-140-263	fs24-140-264		
Sampling Date				7-Sep-24	7-Sep-24	7-Sep-24	7-Sep-24	7-Sep-24	7-Sep-24	7-Sep-24	7-Sep-24	7-Sep-24	7-Sep-24	7-Sep-24	7-Sep-24		
Source	Major Group	Family	Taxon														
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		Pionidae	Pionidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Acari indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-	-		
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Hydroporinae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		Gyrinidae	Gyrinidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Coleoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-		
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-	-		
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Allocladiu s sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironomidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironomus sp.	4	2	-	3	1	1	34	-	1	15	2	2		
			Cladotanytarsu s sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Cricotopus/Orthocladius sp. complex	-	10	1	1	-	1	-	-	-	-	-	-		
			Cryptochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Cyphomella sp.	-	-	-	-	-	-	1	-	-	1	-	-		
			Diamesinae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Dicrotendipes sp.	-	-	-	-	-	-	-	-	-	1	-	-		
			Endochironomus sp.	-	-	1	-	-	-	-	-	-	1	-	-		
			Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Glyptotendipes sp.	-	-	-	-	-	-	2	-	-	-	-	-		
			Heterotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-	-		
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Micropsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Micropsectra/Tanytarsus sp. complex	-	1	1	-	1	-	-	2	7	-	-	-		
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	-	-	-	-		
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Non-Pentaneurini indet.	-	-	2	-	-	-	2	-	-	-	-	-		
			Orthocladiinae indet.	-	5	2	-	49	-	-	-	3	-	-	-		
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-		

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Horseshoe *(cont'd)*											
Stomach #				13	14	15	16	17	18	19	20	21	22	23	24
Fish ID				HOS24-SLSC-13	HOS24-SLSC-14	HOS24-SLSC-15	HOS24-SLSC-16	HOS24-SLSC-17	HOS24-SLSC-18	HOS24-SLSC-19	HOS24-SLSC-20	HOS24-SLSC-21	HOS24-SLSC-22	HOS24-SLSC-23	HOS24-SLSC-24
Lab Sample ID				fs24-140-253	fs24-140-254	fs24-140-255	fs24-140-256	fs24-140-257	fs24-140-258	fs24-140-259	fs24-140-260	fs24-140-261	fs24-140-262	fs24-140-263	fs24-140-264
Sampling Date				7-Sep-24	7-Sep-24	7-Sep-24	7-Sep-24	7-Sep-24	7-Sep-24	7-Sep-24	7-Sep-24	7-Sep-24	7-Sep-24	7-Sep-24	7-Sep-24
Source	Major Group	Family	Taxon												
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	-	7	2	-	11	-	1	2	-	-	-	-
			Pentaneurini indet.	-	-	2	-	2	-	-	-	-	-	-	-
			Phaenopsectra sp.	-	-	-	-	-	-	-	-	1	-	1	-
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia gaedii group	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-	-
			Procladius sp.	-	1	-	-	-	-	2	-	-	-	2	-
			Psectrocladius sp.	-	13	21	2	19	4	-	18	9	2	-	1
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Rheocricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Stictochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-	-
	Hemiptera	Corixidae	Corixinae indet.	-	-	-	-	-	-	-	1	-	-	-	-
			Corixini indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dasyhelea sp.	-	-	1	-	-	-	-	1	-	-	-	-
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	2	3	-	-	-	-	-	-
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Neoplasta sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Hexatoma sp.	-	-	-	-	-	1	-	-	-	-	-	-
		Muscidae	Muscidae indet.	-	2	1	-	5	-	1	1	-	-	-	7
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tipulidae indet.	-	-	-	-	-	7	-	-	-	23	-	-
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Diptera indet.	-	-	-	1	-	-	-	2	-	1	-	-
		-	Tipuloidea indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	1	-	-	-	-	-
		Phryganeidae	Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	1	-
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
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Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Horseshoe *(cont'd)*												
Stomach #				13	14	15	16	17	18	19	20	21	22	23	24	
Fish ID				HOS24-SLSC-13	HOS24-SLSC-14	HOS24-SLSC-15	HOS24-SLSC-16	HOS24-SLSC-17	HOS24-SLSC-18	HOS24-SLSC-19	HOS24-SLSC-20	HOS24-SLSC-21	HOS24-SLSC-22	HOS24-SLSC-23	HOS24-SLSC-24	
Lab Sample ID				fs24-140-253	fs24-140-254	fs24-140-255	fs24-140-256	fs24-140-257	fs24-140-258	fs24-140-259	fs24-140-260	fs24-140-261	fs24-140-262	fs24-140-263	fs24-140-264	
Sampling Date				7-Sep-24	7-Sep-24	7-Sep-24	7-Sep-24	7-Sep-24	7-Sep-24	7-Sep-24	7-Sep-24	7-Sep-24	7-Sep-24	7-Sep-24	7-Sep-24	
Source	Major Group	Family	Taxon													
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-	-	
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-	-	
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	Chydoridae indet.	-	-	-	-	-	-	-	-	-	2	-	-	
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cladocera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-	-	
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Organisms	-	Nematoda indet.	-	1	-	-	-	-	-	-	-	-	-	-	
		-	Nematomorpha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:

Indet. = indeterminate; sp. = species

Taxonomic analysis completed by Biologica Environmental Services.

Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Horseshoe *(cont'd)*						HWL2					
Stomach #				25	26	27	28	29	30	1	2	3	4	5	6
Fish ID				HOS24-SLSC-25	HOS24-SLSC-26	HOS24-SLSC-27	HOS24-SLSC-28	HOS24-SLSC-29	HOS24-SLSC-30	HW224-SLSC-01	HW224-SLSC-02	HW224-SLSC-03	HW224-SLSC-04	HW224-SLSC-05	HW224-SLSC-06
Lab Sample ID				fs24-140-265	fs24-140-266	fs24-140-267	fs24-140-268	fs24-140-269	fs24-140-270	fs24-140-422	fs24-140-423	fs24-140-424	fs24-140-425	fs24-140-426	fs24-140-427
Sampling Date				8-Sep-24	8-Sep-24	8-Sep-24	8-Sep-24	8-Sep-24	8-Sep-24	5-Aug-24	5-Aug-24	5-Aug-24	5-Aug-24	5-Aug-24	5-Aug-24
Source	Major Group	Family	Taxon												
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Pionidae	Pionidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Acari indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Hydroporinae indet.	-	-	-	-	-	-	-	5	-	-	-	4
		Gyrinidae	Gyrinidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Coleoptera indet.	1	-	-	-	-	-	-	-	-	-	-	-
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	1	-	-	-	-	-	-	-	-	-	-
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Allocladiu s sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironomidae indet.	-	-	1	-	-	-	-	-	-	-	-	-
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironomini indet.	1	-	-	-	-	-	-	-	-	-	-	-
			Chironomus sp.	23	-	-	1	-	-	-	-	-	-	-	-
			Cladotanytarsu s sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Cricotopus/Orthocladius sp. complex	-	-	4	-	12	-	5	-	-	-	3	-
			Cryptochironomus sp.	1	-	-	-	-	-	-	-	-	-	-	-
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Diamesinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dicrotendipes sp.	-	-	-	-	-	-	2	-	1	-	-	-
			Endochironomus sp.	2	-	1	-	-	-	-	-	-	-	-	-
			Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius marcidus	-	-	-	-	-	-	2	1	-	-	3	1
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	2	-
			Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra/Tanytarsus sp. complex	2	-	-	2	-	-	2	-	-	-	2	-
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	-	-	-	-
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Non-Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Orthocladiinae indet.	-	-	9	8	3	2	1	-	1	-	-	1
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Parakiefferiella sp.	-	1	-	2	-	-	-	-	-	-	-	-
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Horseshoe *(cont'd)*						HWL2					
Stomach #				25	26	27	28	29	30	1	2	3	4	5	6
Fish ID				HOS24-SLSC-25	HOS24-SLSC-26	HOS24-SLSC-27	HOS24-SLSC-28	HOS24-SLSC-29	HOS24-SLSC-30	HW224-SLSC-01	HW224-SLSC-02	HW224-SLSC-03	HW224-SLSC-04	HW224-SLSC-05	HW224-SLSC-06
Lab Sample ID				fs24-140-265	fs24-140-266	fs24-140-267	fs24-140-268	fs24-140-269	fs24-140-270	fs24-140-422	fs24-140-423	fs24-140-424	fs24-140-425	fs24-140-426	fs24-140-427
Sampling Date				8-Sep-24	8-Sep-24	8-Sep-24	8-Sep-24	8-Sep-24	8-Sep-24	5-Aug-24	5-Aug-24	5-Aug-24	5-Aug-24	5-Aug-24	5-Aug-24
Source	Major Group	Family	Taxon												
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	-	5	1	1	4	4	-	-	-	-	-	-
			Pentaneurini indet.	2	-	-	1	-	-	-	-	-	-	-	-
			Phaenopsectra sp.	-	-	-	4	-	-	-	-	-	-	-	-
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia gaedii group	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-	-
			Procladius sp.	2	-	-	1	-	-	-	-	-	-	1	-
			Psectrocladius sp.	3	15	10	11	32	1	-	-	-	-	1	-
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Rheocricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Stictochironomus sp.	-	-	-	-	-	-	2	-	-	-	-	-
			Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsini indet.	-	-	1	-	-	-	5	8	-	-	27	2
			Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-	-
	Hemiptera	Corixidae	Corixinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Corixini indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dasyhelea sp.	-	-	1	-	-	-	-	-	-	-	-	-
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Neoplasta sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Hexatoma sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Muscidae	Muscidae indet.	1	-	2	2	-	-	-	-	-	-	-	-
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tipulidae indet.	-	-	-	-	-	-	-	-	-	-	1	-
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Diptera indet.	-	-	-	-	-	-	2	-	1	-	-	-
		-	Tipuloidea indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Phryganeidae	Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera indet.	1	-	-	-	-	-	-	-	-	-	-	-
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Horseshoe *(cont'd)*						HWL2					
Stomach #				25	26	27	28	29	30	1	2	3	4	5	6
Fish ID				HOS24-SLSC-25	HOS24-SLSC-26	HOS24-SLSC-27	HOS24-SLSC-28	HOS24-SLSC-29	HOS24-SLSC-30	HW224-SLSC-01	HW224-SLSC-02	HW224-SLSC-03	HW224-SLSC-04	HW224-SLSC-05	HW224-SLSC-06
Lab Sample ID				fs24-140-265	fs24-140-266	fs24-140-267	fs24-140-268	fs24-140-269	fs24-140-270	fs24-140-422	fs24-140-423	fs24-140-424	fs24-140-425	fs24-140-426	fs24-140-427
Sampling Date				8-Sep-24	8-Sep-24	8-Sep-24	8-Sep-24	8-Sep-24	8-Sep-24	5-Aug-24	5-Aug-24	5-Aug-24	5-Aug-24	5-Aug-24	5-Aug-24
Source	Major Group	Family	Taxon												
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-	-
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-	-
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-	-
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-	-
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-	-
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	-	-	-	-	-	-	-	-
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Chydoridae	Chydoridae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Cladocera indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-	-
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	3	-
		-	Nematomorpha indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

Indet. = indeterminate; sp. = species

Taxonomic analysis completed by Biologica Environmental Services.

Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				HWL2 *(cont'd)*													
Stomach #				**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**
Fish ID				**HW224-SLSC-07**	**HW224-SLSC-08**	**HW224-SLSC-09**	**HW224-SLSC-10**	**HW224-SLSC-11**	**HW224-SLSC-12**	**HW224-SLSC-13**	**HW224-SLSC-14**	**HW224-SLSC-15**	**HW224-SLSC-16**	**HW224-SLSC-17**	**HW224-SLSC-18**
Lab Sample ID				**fs24-140-428**	**fs24-140-429**	**fs24-140-430**	**fs24-140-431**	**fs24-140-011**	**fs24-140-012**	**fs24-140-013**	**fs24-140-014**	**fs24-140-015**	**fs24-140-016**	**fs24-140-017**	**fs24-140-018**
Sampling Date				**10-Aug-24**	**10-Aug-24**	**10-Aug-24**	**10-Aug-24**	**10-Aug-24**	**10-Aug-24**	**10-Aug-24**	**10-Aug-24**	**10-Aug-24**	**11-Aug-24**	**11-Aug-24**	**11-Aug-24**
Source	**Major Group**	**Family**	**Taxon**												
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Pionidae	Pionidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Acari indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Hydroporinae indet.	-	-	-	1	-	-	-	-	-	-	-	-
		Gyrinidae	Gyrinidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	2	-	1
		-	Coleoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Allocladiu s sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironomidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironomini indet.	-	-	-	-	-	-	-	-	-	1	-	-
			Chironomus sp.	-	-	-	-	-	-	-	-	-	3	-	-
			Cladotanytarsu s sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	1	-	-
			Cricotopus/Orthocladius sp. complex	10	-	5	9	-	-	-	-	-	32	25	4
			Cryptochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	1
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Diamesinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dicrotendipes sp.	-	-	-	1	-	1	-	-	-	-	-	-
			Endochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius marcidus	4	7	-	4	1	-	1	-	-	-	1	11
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-	9
			Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra sp.	-	-	-	-	-	-	-	-	-	6	-	-
			Micropsectra/Tanytarsus sp. complex	-	7	-	1	-	-	1	8	-	-	-	11
			Microtendipes pedellus group	-	-	19	-	-	2	-	-	-	-	-	-
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Non-Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Orthocladiinae indet.	3	4	-	1	-	-	-	1	-	-	-	-
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
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Lake				HWL2 *(cont'd)*												
Stomach #				7	8	9	10	11	12	13	14	15	16	17	18	
Fish ID				HW224-SLSC-07	HW224-SLSC-08	HW224-SLSC-09	HW224-SLSC-10	HW224-SLSC-11	HW224-SLSC-12	HW224-SLSC-13	HW224-SLSC-14	HW224-SLSC-15	HW224-SLSC-16	HW224-SLSC-17	HW224-SLSC-18	
Lab Sample ID				fs24-140-428	fs24-140-429	fs24-140-430	fs24-140-431	fs24-140-011	fs24-140-012	fs24-140-013	fs24-140-014	fs24-140-015	fs24-140-016	fs24-140-017	fs24-140-018	
Sampling Date				10-Aug-24	10-Aug-24	10-Aug-24	10-Aug-24	10-Aug-24	10-Aug-24	10-Aug-24	10-Aug-24	10-Aug-24	11-Aug-24	11-Aug-24	11-Aug-24	
Source	Major Group	Family	Taxon													
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Pentaneurini indet.	3	-	-	-	-	3	-	-	-	-	-	-	
			Phaenopsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Potthastia gaedii group	-	-	-	-	-	-	-	-	-	-	-	-	
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-	-	
			Procladius sp.	-	1	-	-	-	-	-	-	-	1	-	1	
			Psectrocladius sp.	20	-	-	-	-	-	9	-	-	-	3	3	
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Rheocricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Stictochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Tanytarsini indet.	1	20	5	5	3	5	-	26	-	-	-	10	
			Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-	-	
	Hemiptera	Corixidae	Corixinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Corixini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Neoplasta sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Hexatoma sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Muscidae	Muscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Tipulidae indet.	-	-	-	-	4	-	-	-	-	-	-	-	
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Tipuloidea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Phryganeidae	Phryganeidae indet.	-	-	-	-	-	-	1	-	-	-	-	-	
		-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:
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Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				HWL2 *(cont'd)*												
Stomach #				7	8	9	10	11	12	13	14	15	16	17	18	
Fish ID				HW224-SLSC-07	HW224-SLSC-08	HW224-SLSC-09	HW224-SLSC-10	HW224-SLSC-11	HW224-SLSC-12	HW224-SLSC-13	HW224-SLSC-14	HW224-SLSC-15	HW224-SLSC-16	HW224-SLSC-17	HW224-SLSC-18	
Lab Sample ID				fs24-140-428	fs24-140-429	fs24-140-430	fs24-140-431	fs24-140-011	fs24-140-012	fs24-140-013	fs24-140-014	fs24-140-015	fs24-140-016	fs24-140-017	fs24-140-018	
Sampling Date				10-Aug-24	10-Aug-24	10-Aug-24	10-Aug-24	10-Aug-24	10-Aug-24	10-Aug-24	10-Aug-24	10-Aug-24	11-Aug-24	11-Aug-24	11-Aug-24	
Source	Major Group	Family	Taxon													
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-	-	
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-	-	
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	Chydoridae indet.	2	-	1	-	-	-	-	-	-	-	3	-	
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	1	-	
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cladocera indet.	-	-	-	-	-	-	-	-	-	2	-	-	
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-	-	
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Nematomorpha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Unidentified egg	-	-	-	-	-	-	-	3	-	-	-	-	

Notes:

Indet. = indeterminate; sp. = species

Taxonomic analysis completed by Biologica Environmental Services.

Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				HWL2 *(cont'd)*													
Stomach #				**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**		
Fish ID				**HW224-SLSC-19**	**HW224-SLSC-20**	**HW224-SLSC-21**	**HW224-SLSC-22**	**HW224-SLSC-23**	**HW224-SLSC-24**	**HW224-SLSC-25**	**HW224-SLSC-26**	**HW224-SLSC-27**	**HW224-SLSC-28**	**HW224-SLSC-29**	**HW224-SLSC-30**		
Lab Sample ID				**fs24-140-019**	**fs24-140-020**	**fs24-140-432**	**fs24-140-433**	**fs24-140-434**	**fs24-140-435**	**fs24-140-436**	**fs24-140-437**	**fs24-140-438**	**fs24-140-439**	**fs24-140-440**	**fs24-140-441**		
Sampling Date				**11-Aug-24**	**11-Aug-24**	**11-Aug-24**	**11-Aug-24**	**11-Aug-24**	**11-Aug-24**	**11-Aug-24**	**11-Aug-24**	**11-Aug-24**	**11-Aug-24**	**11-Aug-24**	**12-Aug-24**		
Source	**Major Group**	**Family**	**Taxon**														
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		Pionidae	Pionidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Acari indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-	-		
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Hydroporinae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		Gyrinidae	Gyrinidae indet.	-	-	-	1	-	-	-	-	-	-	-	-		
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Coleoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-		
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-	-		
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Allocladiu s sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironomidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironomus sp.	-	-	1	-	-	-	-	-	-	-	-	-		
			Cladotanytarsu s sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Corynoneura sp.	-	1	-	1	-	-	-	-	-	-	-	-		
			Cricotopus/Orthocladius sp. complex	22	17	-	-	-	27	1	1	1	12	8	-		
			Cryptochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Diamesinae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Dicrotendipes sp.	-	-	-	-	-	8	-	-	-	1	1	-		
			Endochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Heterotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Heterotrissocladius marcidus	-	-	3	-	-	-	7	-	2	-	-	-		
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Micropsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Micropsectra/Tanytarsus sp. complex	-	-	-	-	-	-	-	-	-	-	-	-		
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	-	-	-	-		
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Non-Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Orthocladiinae indet.	-	-	-	-	-	1	-	-	-	1	-	-		
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-		

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				HWL2 *(cont'd)*											
Stomach #				19	20	21	22	23	24	25	26	27	28	29	30
Fish ID				HW224-SLSC-19	HW224-SLSC-20	HW224-SLSC-21	HW224-SLSC-22	HW224-SLSC-23	HW224-SLSC-24	HW224-SLSC-25	HW224-SLSC-26	HW224-SLSC-27	HW224-SLSC-28	HW224-SLSC-29	HW224-SLSC-30
Lab Sample ID				fs24-140-019	fs24-140-020	fs24-140-432	fs24-140-433	fs24-140-434	fs24-140-435	fs24-140-436	fs24-140-437	fs24-140-438	fs24-140-439	fs24-140-440	fs24-140-441
Sampling Date				11-Aug-24	11-Aug-24	11-Aug-24	11-Aug-24	11-Aug-24	11-Aug-24	11-Aug-24	11-Aug-24	11-Aug-24	11-Aug-24	11-Aug-24	12-Aug-24
Source	Major Group	Family	Taxon												
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	-	10	-	1	-	2	-	-	-	-	-	-
			Pentaneurini indet.	-	-	-	1	-	-	-	-	-	-	-	-
			Phaenopsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia gaedii group	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-	-
			Procladius sp.	-	-	-	-	-	-	-	-	1	-	-	-
			Psectrocladius sp.	4	1	-	-	-	10	-	1	-	-	-	-
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Rheocricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Stictochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsini indet.	-	-	15	-	-	1	6	-	8	-	-	-
			Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-	-
	Hemiptera	Corixidae	Corixinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Corixini indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Neoplasta sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Hexatoma sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Muscidae	Muscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tipulidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Tipuloidea indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Phryganeidae	Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
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Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				HWL2 *(cont'd)*												
Stomach #				19	20	21	22	23	24	25	26	27	28	29	30	
Fish ID				HW224-SLSC-19	HW224-SLSC-20	HW224-SLSC-21	HW224-SLSC-22	HW224-SLSC-23	HW224-SLSC-24	HW224-SLSC-25	HW224-SLSC-26	HW224-SLSC-27	HW224-SLSC-28	HW224-SLSC-29	HW224-SLSC-30	
Lab Sample ID				fs24-140-019	fs24-140-020	fs24-140-432	fs24-140-433	fs24-140-434	fs24-140-435	fs24-140-436	fs24-140-437	fs24-140-438	fs24-140-439	fs24-140-440	fs24-140-441	
Sampling Date				11-Aug-24	11-Aug-24	11-Aug-24	11-Aug-24	11-Aug-24	11-Aug-24	11-Aug-24	11-Aug-24	11-Aug-24	11-Aug-24	11-Aug-24	12-Aug-24	
Source	Major Group	Family	Taxon													
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-	-	
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-	-	
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	Chydoridae indet.	-	-	-	-	1	1	-	-	-	-	-	-	
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Daphniidae indet.	-	-	-	4	-	-	-	-	-	-	-	-	
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cladocera indet.	-	-	-	-	-	-	-	3	-	-	-	-	
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-	-	
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Nematomorpha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:

Indet. = indeterminate; sp. = species

Taxonomic analysis completed by Biologica Environmental Services.

Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Ross												
Stomach #				1	2	3	4	5	6	7	8	9	10	11	12	
Fish ID				ROS24-SLSC-01	ROS24-SLSC-02	ROS24-SLSC-03	ROS24-SLSC-04	ROS24-SLSC-05	ROS24-SLSC-06	ROS24-SLSC-07	ROS24-SLSC-08	ROS24-SLSC-09	ROS24-SLSC-10	ROS24-SLSC-11	ROS24-SLSC-12	
Lab Sample ID				fs24-140-021	fs24-140-022	fs24-140-023	fs24-140-024	fs24-140-025	fs24-140-026	fs24-140-027	fs24-140-028	fs24-140-029	fs24-140-030	fs24-140-368	fs24-140-369	
Sampling Date				19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	
Source	Major Group	Family	Taxon													
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Pionidae	Pionidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Acari indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Hydroporinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Gyrinidae	Gyrinidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Coleoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Ostracoda indet.	7	-	-	-	-	-	-	-	-	-	7	-	
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Allocladiu s sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Chironomidae indet.	-	-	-	-	-	-	-	-	1	-	-	-	
			Chironominae indet.	-	-	-	1	-	-	-	-	-	-	-	-	
			Chironomini indet.	-	-	-	-	2	-	-	-	-	-	-	-	
			Chironomus sp.	-	7	-	-	11	4	-	-	1	-	-	-	
			Cladotanytarsu s sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Cricotopus/Orthocladius sp. complex	2	5	-	-	-	-	-	-	-	-	-	-	
			Cryptochironomus sp.	-	-	-	1	-	1	-	-	-	-	-	-	
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Diamesinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Dicrotendipes sp.	16	7	1	-	4	2	-	12	-	8	1	1	
			Endochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Heterotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-	-	
			Heterotrissocladius sp.	1	-	-	-	-	-	-	-	-	-	-	-	
			Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Micropsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Micropsectra/Tanytarsus sp. complex	-	-	-	-	-	1	-	-	-	-	-	-	
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	-	-	-	-	
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-	1	
			Non-Pentaneurini indet.	-	-	-	-	1	-	-	4	-	-	-	-	
			Orthocladiinae indet.	-	-	-	-	-	-	-	-	-	1	-	-	
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Ross											
Stomach #				1	2	3	4	5	6	7	8	9	10	11	12
Fish ID				ROS24-SLSC-01	ROS24-SLSC-02	ROS24-SLSC-03	ROS24-SLSC-04	ROS24-SLSC-05	ROS24-SLSC-06	ROS24-SLSC-07	ROS24-SLSC-08	ROS24-SLSC-09	ROS24-SLSC-10	ROS24-SLSC-11	ROS24-SLSC-12
Lab Sample ID				fs24-140-021	fs24-140-022	fs24-140-023	fs24-140-024	fs24-140-025	fs24-140-026	fs24-140-027	fs24-140-028	fs24-140-029	fs24-140-030	fs24-140-368	fs24-140-369
Sampling Date				19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24
Source	Major Group	Family	Taxon												
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	-	2	-	-	2	2	-	-	-	-	-	-
			Pentaneurini indet.	1	-	1	-	-	-	-	-	-	1	-	-
			Phaenopsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia gaedii group	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-	-
			Procladius sp.	-	2	-	-	-	-	-	-	-	-	-	-
			Psectrocladius sp.	-	-	-	-	6	4	2	29	-	-	2	-
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Rheocricotopus sp.	-	-	-	-	-	-	-	1	-	-	-	-
			Stictochironomus sp.	-	1	-	-	1	-	-	-	1	-	-	-
			Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-	-
	Hemiptera	Corixidae	Corixinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Corixini indet.	-	-	-	-	-	-	-	-	6	-	-	-
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Neoplasta sp.	-	2	-	-	-	-	-	-	-	-	-	-
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Hexatoma sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Muscidae	Muscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tipulidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Tipuloidea indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Phryganeidae	Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	1	-	-	-
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Ross												
Stomach #				1	2	3	4	5	6	7	8	9	10	11	12	
Fish ID				ROS24-SLSC-01	ROS24-SLSC-02	ROS24-SLSC-03	ROS24-SLSC-04	ROS24-SLSC-05	ROS24-SLSC-06	ROS24-SLSC-07	ROS24-SLSC-08	ROS24-SLSC-09	ROS24-SLSC-10	ROS24-SLSC-11	ROS24-SLSC-12	
Lab Sample ID				fs24-140-021	fs24-140-022	fs24-140-023	fs24-140-024	fs24-140-025	fs24-140-026	fs24-140-027	fs24-140-028	fs24-140-029	fs24-140-030	fs24-140-368	fs24-140-369	
Sampling Date				19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	
Source	Major Group	Family	Taxon													
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-	-	
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-	-	
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	Chydoridae indet.	3	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cladocera indet.	-	-	1	-	-	-	1	-	-	7	-	-	
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-	-	
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Nematomorpha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:

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Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Ross *(cont'd)*													
Stomach #				13	14	15	16	17	18	19	20	21	22	23	24		
Fish ID				ROS24-SLSC-13	ROS24-SLSC-14	ROS24-SLSC-15	ROS24-SLSC-16	ROS24-SLSC-17	ROS24-SLSC-18	ROS24-SLSC-19	ROS24-SLSC-20	ROS24-SLSC-21	ROS24-SLSC-22	ROS24-SLSC-23	ROS24-SLSC-24		
Lab Sample ID				fs24-140-370	fs24-140-371	fs24-140-372	fs24-140-373	fs24-140-374	fs24-140-375	fs24-140-376	fs24-140-377	fs24-140-378	fs24-140-379	fs24-140-380	fs24-140-381		
Sampling Date				19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24		
Source	Major Group	Family	Taxon														
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		Pionidae	Pionidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Acari indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-	-		
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Hydroporinae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		Gyrinidae	Gyrinidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Coleoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-		
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Ostracoda indet.	-	-	-	1	-	-	-	-	-	-	-	-		
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Allocladiu s sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironomidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironomus sp.	1	-	-	-	-	1	3	-	8	6	4	-		
			Cladotanytarsu s sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Cricotopus/Orthocladius sp. complex	-	18	-	-	-	10	-	-	-	-	2	-		
			Cryptochironomus sp.	1	1	-	-	-	-	-	-	-	6	-	-		
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Diamesinae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Dicrotendipes sp.	1	29	2	-	57	8	-	6	18	-	5	-		
			Endochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Heterotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-	-		
			Heterotrissocladius sp.	-	-	-	-	1	-	-	-	-	1	-	-		
			Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Micropsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Micropsectra/Tanytarsus sp. complex	-	-	-	-	-	-	-	-	-	-	-	-		
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	-	-	-	-		
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Non-Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Orthocladiinae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-		

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Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Ross *(cont'd)*												
Stomach #				13	14	15	16	17	18	19	20	21	22	23	24	
Fish ID				ROS24-SLSC-13	ROS24-SLSC-14	ROS24-SLSC-15	ROS24-SLSC-16	ROS24-SLSC-17	ROS24-SLSC-18	ROS24-SLSC-19	ROS24-SLSC-20	ROS24-SLSC-21	ROS24-SLSC-22	ROS24-SLSC-23	ROS24-SLSC-24	
Lab Sample ID				fs24-140-370	fs24-140-371	fs24-140-372	fs24-140-373	fs24-140-374	fs24-140-375	fs24-140-376	fs24-140-377	fs24-140-378	fs24-140-379	fs24-140-380	fs24-140-381	
Sampling Date				19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	
Source	Major Group	Family	Taxon													
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	-	-	-	-	1	2	-	1	-	-	-	-	
			Pentaneurini indet.	-	1	-	-	4	-	-	-	-	-	-	-	
			Phaenopsectra sp.	-	-	-	-	-	-	-	-	-	2	-	-	
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Potthastia gaedii group	-	-	-	-	-	-	-	-	-	-	-	-	
			Potthastia longimanus group	-	1	-	-	-	-	-	-	-	-	-	-	
			Procladius sp.	-	-	-	-	-	3	-	-	4	2	3	-	
			Psectrocladius sp.	-	-	-	-	-	14	1	11	5	2	3	3	
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Rheocricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Stictochironomus sp.	-	-	-	-	-	-	-	1	-	-	-	-	
			Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Tanytarsini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Zalutschia sp.	-	-	-	-	-	1	-	-	-	-	1	-	
	Hemiptera	Corixidae	Corixinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Corixini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Neoplasta sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Hexatoma sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Muscidae	Muscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Tipulidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Tipuloidea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Phryganeidae	Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:
Indet. = indeterminate; sp. = species
Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Ross *(cont'd)*												
Stomach #				13	14	15	16	17	18	19	20	21	22	23	24	
Fish ID				ROS24-SLSC-13	ROS24-SLSC-14	ROS24-SLSC-15	ROS24-SLSC-16	ROS24-SLSC-17	ROS24-SLSC-18	ROS24-SLSC-19	ROS24-SLSC-20	ROS24-SLSC-21	ROS24-SLSC-22	ROS24-SLSC-23	ROS24-SLSC-24	
Lab Sample ID				fs24-140-370	fs24-140-371	fs24-140-372	fs24-140-373	fs24-140-374	fs24-140-375	fs24-140-376	fs24-140-377	fs24-140-378	fs24-140-379	fs24-140-380	fs24-140-381	
Sampling Date				19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	
Source	Major Group	Family	Taxon													
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-	-	
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-	-	
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	Chydoridae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cladocera indet.	-	-	-	-	-	4	-	-	-	-	-	-	
		-	Copepoda indet.	-	-	-	-	1	-	-	-	-	-	-	-	
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-	-	
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	-	Diptera indet.	1	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Nematomorpha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:

Indet. = indeterminate; sp. = species

Taxonomic analysis completed by Biologica Environmental Services.

Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Ross *(cont'd)*						Logan					
Stomach #				25	26	27	28	29	30	1	2	3	4	5	6
Fish ID				ROS24-SLSC-25	ROS24-SLSC-26	ROS24-SLSC-27	ROS24-SLSC-28	ROS24-SLSC-29	ROS24-SLSC-30	LOG24-SLSC-01	LOG24-SLSC-02	LOG24-SLSC-03	LOG24-SLSC-04	LOG24-SLSC-05	LOG24-SLSC-06
Lab Sample ID				fs24-140-382	fs24-140-383	fs24-140-384	fs24-140-385	fs24-140-386	fs24-140-387	fs24-140-078	fs24-140-079	fs24-140-080	fs24-140-081	fs24-140-082	fs24-140-083
Sampling Date				19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24
Source	Major Group	Family	Taxon												
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Pionidae	Pionidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Acari indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Hydroporinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Gyrinidae	Gyrinidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Coleoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Ostracoda indet.	-	-	-	-	-	-	-	15	-	5	-	-
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Allocladiu s sp.	-	-	-	-	-	-	-	-	-	-	-	2
			Chironomidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Chironomus sp.	4	7	-	7	1	10	-	-	-	-	3	-
			Cladotanytarsu s sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Cricotopus/Orthocladius sp. complex	-	-	-	-	-	-	-	-	-	1	-	2
			Cryptochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Diamesinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dicrotendipes sp.	-	13	-	-	5	3	2	-	-	2	-	-
			Endochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra/Tanytarsus sp. complex	-	-	-	-	-	-	-	-	-	-	-	-
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	-	-	-	-
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Non-Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Orthocladiinae indet.	-	-	-	-	-	-	-	-	-	2	-	-
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
Indet. = indeterminate; sp. = species
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Lake				Ross *(cont'd)*						Logan					
Stomach #				25	26	27	28	29	30	1	2	3	4	5	6
Fish ID				ROS24-SLSC-25	ROS24-SLSC-26	ROS24-SLSC-27	ROS24-SLSC-28	ROS24-SLSC-29	ROS24-SLSC-30	LOG24-SLSC-01	LOG24-SLSC-02	LOG24-SLSC-03	LOG24-SLSC-04	LOG24-SLSC-05	LOG24-SLSC-06
Lab Sample ID				fs24-140-382	fs24-140-383	fs24-140-384	fs24-140-385	fs24-140-386	fs24-140-387	fs24-140-078	fs24-140-079	fs24-140-080	fs24-140-081	fs24-140-082	fs24-140-083
Sampling Date				19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24
Source	Major Group	Family	Taxon												
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	-	2	-	1	4	1	-	1	-	1	5	4
			Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Phaenopsectra sp.	-	-	-	-	-	-	-	-	-	-	1	-
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia gaedii group	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-	-
			Procladius sp.	-	1	-	1	3	2	-	-	-	-	3	-
			Psectrocladius sp.	-	4	-	4	2	2	5	-	1	3	-	7
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Rheocricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Stictochironomus sp.	-	-	-	-	1	-	-	-	-	-	-	-
			Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsini indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-	-
	Hemiptera	Corixidae	Corixinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Corixini indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Neoplasta sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Hexatoma sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Muscidae	Muscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tipulidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	1
		-	Tipuloidea indet.	-	-	-	-	-	-	-	-	1	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Phryganeidae	Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-	-

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Lake				Ross *(cont'd)*						Logan					
Stomach #				25	26	27	28	29	30	1	2	3	4	5	6
Fish ID				ROS24-SLSC-25	ROS24-SLSC-26	ROS24-SLSC-27	ROS24-SLSC-28	ROS24-SLSC-29	ROS24-SLSC-30	LOG24-SLSC-01	LOG24-SLSC-02	LOG24-SLSC-03	LOG24-SLSC-04	LOG24-SLSC-05	LOG24-SLSC-06
Lab Sample ID				fs24-140-382	fs24-140-383	fs24-140-384	fs24-140-385	fs24-140-386	fs24-140-387	fs24-140-078	fs24-140-079	fs24-140-080	fs24-140-081	fs24-140-082	fs24-140-083
Sampling Date				19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24
Source	Major Group	Family	Taxon												
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-	-
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-	-
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-	-
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-	-
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-	-
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	-	-	-	-	-	-	-	-
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Chydoridae	Chydoridae indet.	-	-	-	-	-	-	-	-	-	-	1	-
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Cladocera indet.	-	-	-	-	-	-	-	-	-	1	-	-
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-	-
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Nematomorpha indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

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Lake				Logan *(cont'd)*													
Stomach #				7	8	9	10	11	12	13	14	15	16	17	18		
Fish ID				LOG24-SLSC-07	LOG24-SLSC-08	LOG24-SLSC-09	LOG24-SLSC-10	LOG24-SLSC-11	LOG24-SLSC-12	LOG24-SLSC-13	LOG24-SLSC-14	LOG24-SLSC-15	LOG24-SLSC-16	LOG24-SLSC-17	LOG24-SLSC-18		
Lab Sample ID				fs24-140-084	fs24-140-085	fs24-140-086	fs24-140-087	fs24-140-088	fs24-140-089	fs24-140-090	fs24-140-091	fs24-140-092	fs24-140-093	fs24-140-094	fs24-140-095		
Sampling Date				3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24		
Source	Major Group	Family	Taxon														
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		Pionidae	Pionidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Acari indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-	-		
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Hydroporinae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		Gyrinidae	Gyrinidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Coleoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-		
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	-	-		
		-	Ostracoda indet.	-	-	-	-	-	1	-	-	-	-	-	-		
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	1	-	-	-	2	-	-	-	-	1		
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Allocladius s sp.	-	-	-	1	-	-	-	2	-	-	-	-		
			Chironomidae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Chironomus sp.	-	-	-	-	-	-	-	-	2	-	-	-		
			Cladotanytarsu s sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Cricotopus/Orthocladius sp. complex	-	-	1	-	-	-	-	8	-	-	-	-		
			Cryptochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Diamesinae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Dicrotendipes sp.	-	-	1	-	-	-	1	-	-	-	1	-		
			Endochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Heterotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-	-		
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Micropsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Micropsectra/Tanytarsus sp. complex	-	-	-	-	-	1	-	-	-	-	-	-		
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	-	-	-	-		
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Non-Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Orthocladiinae indet.	-	-	-	-	-	-	-	-	-	-	-	-		
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-		
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-		

Notes:
Indet. = indeterminate; sp. = species
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Lake				Logan *(cont'd)*												
Stomach #				7	8	9	10	11	12	13	14	15	16	17	18	
Fish ID				LOG24-SLSC-07	LOG24-SLSC-08	LOG24-SLSC-09	LOG24-SLSC-10	LOG24-SLSC-11	LOG24-SLSC-12	LOG24-SLSC-13	LOG24-SLSC-14	LOG24-SLSC-15	LOG24-SLSC-16	LOG24-SLSC-17	LOG24-SLSC-18	
Lab Sample ID				fs24-140-084	fs24-140-085	fs24-140-086	fs24-140-087	fs24-140-088	fs24-140-089	fs24-140-090	fs24-140-091	fs24-140-092	fs24-140-093	fs24-140-094	fs24-140-095	
Sampling Date				3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	
Source	Major Group	Family	Taxon													
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	-	-	-	-	1	-	-	-	-	-	-	1	
			Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Phaenopsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Potthastia gaedii group	-	-	-	-	-	-	-	-	-	-	-	-	
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-	-	
			Procladius sp.	-	-	-	-	-	2	-	-	2	-	-	-	
			Psectrocladius sp.	2	-	7	-	1	-	1	9	-	-	-	1	
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Rheocricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Stictochironomus sp.	-	-	-	-	-	1	-	-	-	-	-	-	
			Synorthocladius sp.	-	-	-	-	-	-	-	1	-	-	-	-	
			Tanytarsini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Zalutschia sp.	-	3	1	-	-	-	-	9	-	-	-	-	
	Hemiptera	Corixidae	Corixinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Corixini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Dasyhelea sp.	-	-	1	-	-	-	-	-	-	-	-	-	
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Neoplasta sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Hexatoma sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Muscidae	Muscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	1	-	-	-	-	-	
			Tipulidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Diptera indet.	-	-	-	-	-	-	-	-	2	-	-	-	
		-	Tipuloidea indet.	1	-	-	1	-	1	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Phryganeidae	Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-	-	

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Lake				Logan *(cont'd)*												
Stomach #				7	8	9	10	11	12	13	14	15	16	17	18	
Fish ID				LOG24-SLSC-07	LOG24-SLSC-08	LOG24-SLSC-09	LOG24-SLSC-10	LOG24-SLSC-11	LOG24-SLSC-12	LOG24-SLSC-13	LOG24-SLSC-14	LOG24-SLSC-15	LOG24-SLSC-16	LOG24-SLSC-17	LOG24-SLSC-18	
Lab Sample ID				fs24-140-084	fs24-140-085	fs24-140-086	fs24-140-087	fs24-140-088	fs24-140-089	fs24-140-090	fs24-140-091	fs24-140-092	fs24-140-093	fs24-140-094	fs24-140-095	
Sampling Date				3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	
Source	Major Group	Family	Taxon													
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-	-	
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-	-	
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	Chydoridae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cladocera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-	-	
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Nematomorpha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-	-	

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Lake				Logan *(cont'd)*												
Stomach #				19	20	21	22	23	24	25	26	27	28	29	30	
Fish ID				LOG24-SLSC-19	LOG24-SLSC-20	LOG24-SLSC-21	LOG24-SLSC-22	LOG24-SLSC-23	LOG24-SLSC-24	LOG24-SLSC-25	LOG24-SLSC-26	LOG24-SLSC-27	LOG24-SLSC-28	LOG24-SLSC-29	LOG24-SLSC-30	
Lab Sample ID				fs24-140-096	fs24-140-097	fs24-140-098	fs24-140-099	fs24-140-100	fs24-140-101	fs24-140-102	fs24-140-103	fs24-140-104	fs24-140-105	fs24-140-106	fs24-140-107	
Sampling Date				3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	
Source	Major Group	Family	Taxon													
Benthic	Arachnida	Hydrachnidae	Hydrachnidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Pionidae	Pionidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Acari indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Coleoptera	Dytiscidae	Agabini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Hydroporinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Gyrinidae	Gyrinidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Gyrinus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Coleoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Harpacticoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Ostracoda indet.	-	-	-	-	-	2	-	1	-	-	-	-	
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Acricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Allocladius s sp.	-	-	-	-	-	-	-	-	1	-	-	2	
			Chironomidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Chironomus sp.	2	-	-	-	-	-	-	-	-	-	5	-	
			Cladotanytarsu s sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Cricotopus/Orthocladius sp. complex	1	-	2	-	-	-	-	-	-	-	-	-	
			Cryptochironomus sp.	-	-	-	-	-	-	1	-	-	-	-	-	
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Diamesinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Dicrotendipes sp.	-	-	-	-	-	1	-	-	2	-	1	3	
			Endochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Eukiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Heterotanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-	-	
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Limnophyes sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Micropsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Micropsectra/Tanytarsus sp. complex	-	-	-	-	-	-	-	-	-	-	-	-	
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	-	-	-	-	
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Non-Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Orthocladiinae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Parakiefferiella sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Parametriocnemus sp.	-	-	-	-	-	-	-	-	-	-	-	-	

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Lake				Logan *(cont'd)*											
Stomach #				19	20	21	22	23	24	25	26	27	28	29	30
Fish ID				LOG24-SLSC-19	LOG24-SLSC-20	LOG24-SLSC-21	LOG24-SLSC-22	LOG24-SLSC-23	LOG24-SLSC-24	LOG24-SLSC-25	LOG24-SLSC-26	LOG24-SLSC-27	LOG24-SLSC-28	LOG24-SLSC-29	LOG24-SLSC-30
Lab Sample ID				fs24-140-096	fs24-140-097	fs24-140-098	fs24-140-099	fs24-140-100	fs24-140-101	fs24-140-102	fs24-140-103	fs24-140-104	fs24-140-105	fs24-140-106	fs24-140-107
Sampling Date				3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24
Source	Major Group	Family	Taxon												
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Paratanytarsus* sp.	-	-	-	-	-	2	-	-	-	-	-	-
			Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-	3
			Phaenopsectra sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia gaedii group	-	-	-	-	-	-	-	-	-	-	-	-
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-	-
			Procladius sp.	1	-	-	-	-	-	2	-	-	-	-	-
			Psectrocladius sp.	-	1	3	-	3	3	-	1	8	-	-	1
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Rheocricotopus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Stictochironomus sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Synorthocladius sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsini indet.	-	-	-	-	-	-	-	-	-	-	-	2
			Tanytarsus sp.	-	-	-	-	-	-	-	-	-	-	1	-
			Zalutschia sp.	-	-	-	-	-	2	-	-	3	4	-	2
	Hemiptera	Corixidae	Corixinae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Corixini indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Dolichopodidae	Dolichopodidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-	-
			Neoplasta sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Limoniidae	*Gonomyodes* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Hexatoma sp.	-	-	-	-	-	-	-	-	-	-	-	-
		Muscidae	Muscidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Tipulidae	*Tipula* sp.	-	-	-	-	-	-	-	-	-	-	-	-
			Tipulidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Brachycera indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Diptera indet.	-	-	-	-	-	-	2	1	-	-	-	-
		-	Tipuloidea indet.	-	-	-	-	-	1	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	1	-	-	-
	Plecoptera	-	Plecoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
Benthic *(cont'd)*	Trichoptera	Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		Phryganeidae	Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-
	Fish	Cottidae	*Cottus* sp.	-	-	-	-	-	-	-	-	-	-	-	-
		-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-	-

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Taxonomic analysis completed by Biologica Environmental Services.
Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Lake				Logan *(cont'd)*												
Stomach #				19	20	21	22	23	24	25	26	27	28	29	30	
Fish ID				LOG24-SLSC-19	LOG24-SLSC-20	LOG24-SLSC-21	LOG24-SLSC-22	LOG24-SLSC-23	LOG24-SLSC-24	LOG24-SLSC-25	LOG24-SLSC-26	LOG24-SLSC-27	LOG24-SLSC-28	LOG24-SLSC-29	LOG24-SLSC-30	
Lab Sample ID				fs24-140-096	fs24-140-097	fs24-140-098	fs24-140-099	fs24-140-100	fs24-140-101	fs24-140-102	fs24-140-103	fs24-140-104	fs24-140-105	fs24-140-106	fs24-140-107	
Sampling Date				3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	
Source	Major Group	Family	Taxon													
Empty Stomach	-	-	Empty stomach	-	-	-	-	-	-	-	-	-	-	-	-	
Non-food	Non-food (cases, plant, pebble, etc.)	-	Inorganic material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Pebble	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Sand grain	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-	-	
Parasite	Other Organisms	-	Acanthocephala indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		Chydoridae	Chydoridae indet.	-	-	-	-	-	-	-	-	2	-	-	-	
		Chydoridae	*Eurycercus* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-	-	
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	-	-	
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cladocera indet.	-	1	-	-	-	-	-	-	-	-	-	-	
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-	-	
Terrestrial	Hemiptera	-	Auchenorrhyncha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Diptera	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Trichoptera	-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-	-	
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-	-	
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Nematomorpha indet.	-	-	-	-	-	-	-	-	-	-	-	-	
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:

Indet. = indeterminate; sp. = species

Taxonomic analysis completed by Biologica Environmental Services.

Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Table 3.8-11 Slimy Sculpin Stomach Content by Weight for AEMP Lakes, 2024

Lake	Nanuq														
Stomach #	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**
Fish ID	**NAN24-SLCS-01**	**NAN24-SLCS-02**	**NAN24-SLCS-03**	**NAN24-SLCS-04**	**NAN24-SLCS-05**	**NAN24-SLCS-06**	**NAN24-SLCS-07**	**NAN24-SLCS-08**	**NAN24-SLCS-09**	**NAN24-SLCS-10**	**NAN24-SLCS-11**	**NAN24-SLCS-12**	**NAN24-SLCS-13**	**NAN24-SLCS-14**	**NAN24-SLCS-15**
Lab Sample ID	**fs24-140-108**	**fs24-140-109**	**fs24-140-110**	**fs24-140-111**	**fs24-140-112**	**fs24-140-113**	**fs24-140-114**	**fs24-140-115**	**fs24-140-116**	**fs24-140-117**	**fs24-140-118**	**fs24-140-119**	**fs24-140-120**	**fs24-140-121**	**fs24-140-122**
Sampling Date	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**
Major Group															
Arachnida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea	0.19	0.45	-	-	-	0.04	0.00	0.02	-	-	-	-	-	-	0.10
Digested Material	-	2.58	-	2.39	0.74	1.26	-	0.45	-	-	-	-	0.39	-	1.96
Diptera-Chironomidae	4.47	19.93	-	0.75	0.13	0.19	0.27	0.05	0.02	0.07	0.13	-	0.14	0.70	0.30
Hemiptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mollusca	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-food (cases, plant, pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	0.24	0.17	-	-	-	-	0.15	-	-	-	0.55	-	-	-	0.11
Other Insecta	8.30	-	-	-	-	-	0.49	-	-	-	-	-	-	-	-
Other Organisms	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	2.67	-	-	-	-	1.34	-	2.35	-	0.47	-	-
Total (mg)	**13.19**	**23.13**	**0.00**	**5.81**	**0.87**	**1.49**	**0.91**	**0.52**	**1.36**	**0.07**	**3.02**	**0.00**	**1.00**	**0.70**	**2.47**
% Stomach Full	100	75	0	75	50	50	50	25	50	10	75	0	50	50	50
% Stomach Content Digested	75	75	100	50	75	75	75	75	50	50	50	100	100	100	75

Lake	Nanuq *(cont'd)*														
Stomach #	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**
Fish ID	**NAN24-SLCS-16**	**NAN24-SLCS-17**	**NAN24-SLCS-18**	**NAN24-SLCS-19**	**NAN24-SLCS-20**	**NAN24-SLCS-21**	**NAN24-SLCS-22**	**NAN24-SLCS-23**	**NAN24-SLCS-24**	**NAN24-SLCS-25**	**NAN24-SLCS-26**	**NAN24-SLCS-27**	**NAN24-SLCS-28**	**NAN24-SLCS-29**	**NAN24-SLCS-30**
Lab Sample ID	**fs24-140-123**	**fs24-140-124**	**fs24-140-125**	**fs24-140-126**	**fs24-140-127**	**fs24-140-128**	**fs24-140-129**	**fs24-140-130**	**fs24-140-131**	**fs24-140-132**	**fs24-140-133**	**fs24-140-134**	**fs24-140-135**	**fs24-140-136**	**fs24-140-137**
Sampling Date	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**
Major Group															
Arachnida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea	-	-	-	-	-	0.07	-	0.37	0.23	0.04	-	-	-	0.23	-
Digested Material	1.27	6.89	-	0.21	-	-	2.56	5.56	1.26	-	0.20	0.82	-	0.51	0.44
Diptera-Chironomidae	1.63	0.78	1.75	0.90	-	0.03	1.37	2.05	1.14	0.39	-	0.48	0.01	0.37	0.15
Hemiptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mollusca	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-food (cases, plant, pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	-	-	-	0.07	-	0.25	-	-	0.17	-	-	0.11	-	-	-
Other Insecta	0.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Organisms	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	4.17	-	-	-	-	-	-	1.02	-	0.42
Total (mg)	**3.04**	**7.66**	**1.75**	**1.18**	**0.00**	**4.52**	**3.93**	**7.97**	**2.79**	**0.44**	**0.20**	**1.41**	**1.03**	**1.11**	**1.01**
% Stomach Full	75	50	25	25	0	50	75	75	50	25	10	50	50	50	50
% Stomach Content Digested	75	75	50	50	100	75	75	75	75	50	100	75	100	100	100

Note: Units in milligrams (mg).

Lake	Counts														
Stomach #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Fish ID	CON24-SLSC-01	CON24-SLSC-02	CON24-SLSC-03	CON24-SLSC-04	CON24-SLSC-05	CON24-SLSC-06	CON24-SLSC-07	CON24-SLSC-08	CON24-SLSC-09	CON24-SLSC-10	CON24-SLSC-11	CON24-SLSC-12	CON24-SLSC-13	CON24-SLSC-14	CON24-SLSC-15
Lab Sample ID	fs24-140-001	fs24-140-002	fs24-140-003	fs24-140-004	fs24-140-005	fs24-140-006	fs24-140-007	fs24-140-008	fs24-140-009	fs24-140-010	fs24-140-388	fs24-140-389	fs24-140-390	fs24-140-391	fs24-140-392
Sampling Date	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24
Major Group															
Arachnida	-	-	0.00	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Digested Material	1.19	1.32	0.31	0.50	0.29	-	-	-	0.92	-	0.67	1.18	0.71	1.71	0.30
Diptera-Chironomidae	0.93	2.26	0.32	0.73	0.04	2.35	0.42	0.82	2.77	0.62	0.42	0.57	0.50	2.31	0.06
Hemiptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mollusca	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-food (cases, plant, pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	-	-	-	-	-	-	-	-	-	0.98	-	-	-	0.23	-
Other Insecta	-	-	-	-	-	0.00	1.45	3.76	-	-	-	-	-	-	-
Other Organisms	-	-	-	-	-	-	-	1.16	-	-	-	-	-	-	-
Fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	3.82	-	-	-	-	-	-	-	-
Total (mg)	**2.16**	**3.57**	**0.63**	**1.24**	**0.32**	**2.35**	**5.69**	**5.74**	**3.69**	**1.60**	**1.09**	**1.75**	**1.22**	**4.25**	**0.36**
% Stomach Full	75	75	25	25	10	75	50	50	50	50	75	50	25	75	25
% Stomach Content Digested	50	50	75	100	100	50	50	100	50	75	100	100	75	50	100

Lake	Counts *(cont'd)*														
Stomach #	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Fish ID	CON24-SLSC-16	CON24-SLSC-17	CON24-SLSC-18	CON24-SLSC-19	CON24-SLSC-20	CON24-SLSC-21	CON24-SLSC-22	CON24-SLSC-23	CON24-SLSC-24	CON24-SLSC-25	CON24-SLSC-26	CON24-SLSC-27	CON24-SLSC-28	CON24-SLSC-29	CON24-SLSC-30
Lab Sample ID	fs24-140-393	fs24-140-394	fs24-140-395	fs24-140-396	fs24-140-397	fs24-140-398	fs24-140-399	fs24-140-400	fs24-140-401	fs24-140-402	fs24-140-403	fs24-140-404	fs24-140-405	fs24-140-406	fs24-140-407
Sampling Date	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	14-Aug-24	14-Aug-24	14-Aug-24	14-Aug-24	14-Aug-24	14-Aug-24	14-Aug-24	14-Aug-24
Major Group															
Arachnida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea	-	-	-	-	-	0.10	-	0.04	-	0.01	-	-	-	-	-
Digested Material	-	0.16	1.18	0.64	0.05	-	0.69	-	0.60	1.24	0.34	0.21	0.38	1.44	7.25
Diptera-Chironomidae	-	0.07	0.62	0.43	0.02	3.84	1.17	0.03	0.36	0.53	0.12	0.64	0.35	0.99	0.30
Hemiptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mollusca	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-food (cases, plant, pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	-	-	2.21	-	-	-	-	-	-	-	-	-	-	-	-
Other Insecta	-	-	-	-	-	-	0.13	-	-	0.54	-	-	-	-	-
Other Organisms	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	0.14	-	-	-	-	-	-	-	-	-	-	-	0.62
Total (mg)	**0.00**	**0.23**	**4.15**	**1.06**	**0.07**	**3.94**	**1.99**	**0.07**	**0.95**	**2.32**	**0.45**	**0.84**	**0.73**	**2.43**	**8.17**
% Stomach Full	0	25	75	25	10	50	75	10	50	50	25	50	50	75	75
% Stomach Content Digested	100	100	75	75	100	50	75	50	75	75	100	75	75	50	100

Note: Units in milligrams (mg).

Lake	Vulture														
Stomach #	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**
Fish ID	**VUL24-SLSC-01**	**VUL24-SLSC-02**	**VUL24-SLSC-03**	**VUL24-SLSC-04**	**VUL24-SLSC-05**	**VUL24-SLSC-06**	**VUL24-SLSC-07**	**VUL24-SLSC-09**	**VUL24-SLSC-10**	**VUL24-SLSC-11**	**VUL24-SLSC-12**	**VUL24-SLSC-13**	**VUL24-SLSC-14**	**VUL24-SLSC-15**	**VUL24-SLSC-16**
Lab Sample ID	**fs24-140-302**	**fs24-140-303**	**fs24-140-304**	**fs24-140-305**	**fs24-140-306**	**fs24-140-307**	**fs24-140-308**	**fs24-140-310**	**fs24-140-311**	**fs24-140-312**	**fs24-140-313**	**fs24-140-314**	**fs24-140-315**	**fs24-140-316**	**fs24-140-317**
Sampling Date	**9-Aug-24**	**9-Aug-24**	**9-Aug-24**	**9-Aug-24**	**9-Aug-24**	**9-Aug-24**	**9-Aug-24**	**10-Aug-24**	**10-Aug-24**	**10-Aug-24**	**11-Aug-24**	**11-Aug-24**	**11-Aug-24**	**11-Aug-24**	**11-Aug-24**
Major Group															
Arachnida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	-	-	-	-	-	-	-	-	-	-	-	0.05	-	-	-
Crustacea	-	-	-	-	-	-	-	-	-	0.00	-	-	0.01	-	0.15
Digested Material	-	-	1.66	1.23	2.25	3.64	0.28	3.93	0.08	-	1.52	1.56	-	-	-
Diptera-Chironomidae	1.24	4.28	0.97	0.63	1.06	1.84	0.01	0.80	0.01	0.07	0.15	0.22	0.06	-	0.03
Hemiptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mollusca	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-food (cases, plant, pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	-	0.11	-	-	-	-	0.04	-	0.08	-	-	0.09	-	-	-
Other Insecta	-	-	-	-	-	-	-	-	-	-	0.77	0.14	-	-	-
Other Organisms	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	0.12	-	-	-	-	-
Total (mg)	**1.24**	**4.39**	**2.63**	**1.85**	**3.31**	**5.48**	**0.34**	**4.72**	**0.17**	**0.19**	**2.43**	**2.05**	**0.07**	**0.00**	**0.17**
% Stomach Full	75	100	100	50	100	100	25	50	25	50	50	75	10	0	10
% Stomach Content Digested	75	50	100	100	75	100	100	100	75	50	100	75	0	100	0

Lake	Vulture *(cont'd)*														
Stomach #	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**
Fish ID	**VUL24-SLSC-17**	**VUL24-SLSC-18**	**VUL24-SLSC-22**	**VUL24-SLSC-24**	**VUL24-SLSC-25**	**VUL24-SLSC-26**	**VUL24-SLSC-27**	**VUL24-SLSC-28**	**VUL24-SLSC-29**	**VUL24-SLSC-30**	**VUL24-SLSC-31**	**VUL24-SLSC-32**	**VUL24-SLSC-33**	**VUL24-SLSC-34**	**VUL24-SLSC-35**
Lab Sample ID	**fs24-140-318**	**fs24-140-319**	**fs24-140-323**	**fs24-140-325**	**fs24-140-326**	**fs24-140-327**	**fs24-140-328**	**fs24-140-329**	**fs24-140-330**	**fs24-140-331**	**fs24-140-332**	**fs24-140-333**	**fs24-140-334**	**fs24-140-335**	**fs24-140-336**
Sampling Date	**11-Aug-24**	**11-Aug-24**	**12-Aug-24**	**12-Aug-24**	**12-Aug-24**	**12-Aug-24**	**12-Aug-24**	**12-Aug-24**	**12-Aug-24**	**12-Aug-24**	**12-Aug-24**	**14-Aug-24**	**14-Aug-24**	**14-Aug-24**	**14-Aug-24**
Major Group															
Arachnida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea	-	0.13	0.05	-	0.26	0.18	-	-	-	-	-	-	-	0.01	-
Digested Material	-	0.09	1.74	0.45	0.69	0.42	-	-	-	0.06	1.93	0.04	0.04	0.39	0.99
Diptera-Chironomidae	-	0.01	0.47	0.88	0.11	0.08	-	-	-	-	0.35	0.01	0.03	0.11	0.09
Hemiptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mollusca	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-food (cases, plant, pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	0.29
Other Insecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Organisms	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	-
Total (mg)	**0.00**	**0.23**	**2.27**	**1.32**	**1.06**	**0.67**	**0.00**	**0.00**	**0.00**	**0.06**	**2.27**	**0.05**	**0.07**	**0.53**	**1.36**
% Stomach Full	0	25	75	25	50	50	0	0	0	10	50	10	10	50	50
% Stomach Content Digested	100	100	100	75	75	75	100	100	100	100	100	100	100	100	75

Note: Units in milligrams (mg).

Lake	Northeast														
Stomach #	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**
Fish ID	**NE24-SLSC-01**	**NE24-SLSC-02**	**NE24-SLSC-03**	**NE24-SLSC-04**	**NE24-SLSC-05**	**NE24-SLSC-06**	**NE24-SLSC-07**	**NE24-SLSC-08**	**NE24-SLSC-09**	**NE24-SLSC-10**	**NE24-SLSC-11**	**NE24-SLSC-12**	**NE24-SLSC-13**	**NE24-SLSC-14**	**NE24-SLSC-15**
Lab Sample ID	**fs24-140-138**	**fs24-140-139**	**fs24-140-140**	**fs24-140-141**	**fs24-140-142**	**fs24-140-143**	**fs24-140-144**	**fs24-140-145**	**fs24-140-146**	**fs24-140-147**	**fs24-140-148**	**fs24-140-149**	**fs24-140-150**	**fs24-140-151**	**fs24-140-152**
Sampling Date	**31-Aug-24**	**31-Aug-24**	**31-Aug-24**	**31-Aug-24**	**31-Aug-24**	**31-Aug-24**	**31-Aug-24**	**31-Aug-24**	**1-Sep-24**	**1-Sep-24**	**1-Sep-24**	**1-Sep-24**	**1-Sep-24**	**1-Sep-24**	**1-Sep-24**
Major Group															
Arachnida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	-	0.77	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea	0.21	-	-	1.61	0.02	0.59	0.09	0.04	-	-	-	0.05	0.29	0.44	0.42
Digested Material	0.53	0.93	3.23	0.05	0.26	0.09	0.51	16.92	3.63	0.18	1.77	2.77	0.43	0.39	1.55
Diptera-Chironomidae	0.36	1.47	0.93	0.08	0.26	0.16	0.39	0.69	0.39	0.73	0.15	1.54	0.35	0.03	0.59
Hemiptera	-	-	3.51	-	-	-	-	-	-	-	-	-	-	-	-
Mollusca	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-food (cases, plant, pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	-	-	-	-	-	0.06	-	0.24	13.45	-	0.46	-	-	-	1.04
Other Insecta	-	-	-	-	-	-	-	-	5.90	-	-	-	-	-	0.47
Other Organisms	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	0.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	0.72	-	-	-
Total (mg)	**1.40**	**3.17**	**7.67**	**1.74**	**0.54**	**0.91**	**0.99**	**17.89**	**23.37**	**0.90**	**2.37**	**5.07**	**1.08**	**0.86**	**4.06**
% Stomach Full	50	50	75	50	50	50	50	100	100	100	50	100	25	25	50
% Stomach Content Digested	100	50	100	25	75	75	75	75	75	75	75	75	75	75	75

Lake	Northeast *(cont'd)*														
Stomach #	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**
Fish ID	**NE24-SLSC-16**	**NE24-SLSC-17**	**NE24-SLSC-18**	**NE24-SLSC-19**	**NE24-SLSC-20**	**NE24-SLSC-21**	**NE24-SLSC-22**	**NE24-SLSC-23**	**NE24-SLSC-24**	**NE24-SLSC-25**	**NE24-SLSC-26**	**NE24-SLSC-27**	**NE24-SLSC-28**	**NE24-SLSC-29**	**NE24-SLSC-30**
Lab Sample ID	**fs24-140-153**	**fs24-140-154**	**fs24-140-155**	**fs24-140-156**	**fs24-140-157**	**fs24-140-158**	**fs24-140-159**	**fs24-140-160**	**fs24-140-161**	**fs24-140-162**	**fs24-140-163**	**fs24-140-164**	**fs24-140-165**	**fs24-140-166**	**fs24-140-167**
Sampling Date	**1-Sep-24**	**1-Sep-24**	**1-Sep-24**	**1-Sep-24**	**1-Sep-24**	**1-Sep-24**	**1-Sep-24**	**1-Sep-24**	**1-Sep-24**	**1-Sep-24**	**1-Sep-24**	**1-Sep-24**	**1-Sep-24**	**1-Sep-24**	**1-Sep-24**
Major Group															
Arachnida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea	0.34	-	-	0.41	0.16	-	-	0.35	-	0.18	0.05	-	0.68	-	-
Digested Material	1.24	-	0.05	0.31	-	1.28	0.92	1.62	-	0.73	0.03	-	0.95	0.19	-
Diptera-Chironomidae	0.51	0.50	1.56	0.36	-	0.55	0.19	0.39	0.23	0.34	0.78	-	0.03	0.21	-
Hemiptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mollusca	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-food (cases, plant, pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Insecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Organisms	-	-	-	-	-	-	-	0.21	-	-	-	-	-	-	-
Fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total (mg)	**2.09**	**0.50**	**1.61**	**1.07**	**0.16**	**1.83**	**1.12**	**2.56**	**0.23**	**1.25**	**0.87**	**0.00**	**1.66**	**0.40**	**0.00**
% Stomach Full	50	10	50	25	10	75	50	75	25	50	75	0	25	25	0
% Stomach Content Digested	100	10	25	100	100	100	100	100	100	100	75	100	100	75	100

Note: Units in milligrams (mg).

Lake	Kodiak														
Stomach #	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**
Fish ID	**KOD24-SLSC-01**	**KOD24-SLSC-02**	**KOD24-SLSC-03**	**KOD24-SLSC-04**	**KOD24-SLSC-05**	**KOD24-SLSC-06**	**KOD24-SLSC-07**	**KOD24-SLSC-08**	**KOD24-SLSC-09**	**KOD24-SLSC-10**	**KOD24-SLSC-11**	**KOD24-SLSC-12**	**KOD24-SLSC-13**	**KOD24-SLSC-14**	**KOD24-SLSC-15**
Lab Sample ID	**fs24-140-198**	**fs24-140-199**	**fs24-140-200**	**fs24-140-201**	**fs24-140-202**	**fs24-140-203**	**fs24-140-204**	**fs24-140-205**	**fs24-140-206**	**fs24-140-207**	**fs24-140-208**	**fs24-140-209**	**fs24-140-210**	**fs24-140-211**	**fs24-140-212**
Sampling Date	**24-Aug-24**	**24-Aug-24**	**24-Aug-24**	**24-Aug-24**	**24-Aug-24**	**24-Aug-24**	**24-Aug-24**	**24-Aug-24**	**24-Aug-24**	**24-Aug-24**	**24-Aug-24**	**24-Aug-24**	**24-Aug-24**	**24-Aug-24**	**24-Aug-24**
Major Group															
Arachnida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea	-	-	-	-	-	-	-	-	0.15	-	-	0.27	-	-	0.04
Digested Material	4.11	0.88	4.23	1.25	11.35	17.62	-	2.78	0.38	1.94	1.18	-	-	-	0.31
Diptera-Chironomidae	1.52	0.17	2.39	0.30	-	1.43	-	0.67	0.08	0.93	1.54	0.84	-	0.05	0.62
Hemiptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mollusca	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-food (cases, plant, pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	-	0.15	-	-	1.41	1.30	-	-	-	-	-	-	-	-	0.13
Other Insecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Organisms	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
Fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total (mg)	**5.63**	**1.20**	**6.62**	**1.54**	**12.77**	**20.35**	**0.00**	**3.45**	**0.61**	**2.87**	**2.73**	**1.11**	**0.00**	**0.05**	**1.09**
% Stomach Full	75	50	75	50	75	75	0	75	50	75	75	50	0	10	50
% Stomach Content Digested	100	50	100	75	100	100	100	100	50	100	75	50	100	50	75

Lake	Kodiak *(cont'd)*													
Stomach #	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**
Fish ID	**KOD24-SLSC-29**	**KOD24-SLSC-30**	**KOD24-SLSC-31**	**KOD24-SLSC-32**	**KOD24-SLSC-33**	**KOD24-SLSC-35**	**KOD24-SLSC-36**	**KOD24-SLSC-37**	**KOD24-SLSC-38**	**KOD24-SLSC-39**	**KOD24-SLSC-40**	**KOD24-SLSC-41**	**KOD24-SLSC-42**	**KOD24-SLSC-43**
Lab Sample ID	**fs24-140-226**	**fs24-140-227**	**fs24-140-228**	**fs24-140-229**	**fs24-140-230**	**fs24-140-232**	**fs24-140-233**	**fs24-140-234**	**fs24-140-235**	**fs24-140-236**	**fs24-140-237**	**fs24-140-238**	**fs24-140-239**	**fs24-140-240**
Sampling Date	**4-Sep-24**	**4-Sep-24**	**4-Sep-24**	**4-Sep-24**	**4-Sep-24**	**4-Sep-24**	**4-Sep-24**	**4-Sep-24**	**4-Sep-24**	**4-Sep-24**	**4-Sep-24**	**4-Sep-24**	**4-Sep-24**	**4-Sep-24**
Major Group														
Arachnida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea	-	-	0.34	0.66	0.08	-	-	0.17	0.05	0.01	0.05	0.33	0.69	0.53
Digested Material	2.59	0.11	0.90	0.76	0.08	0.45	1.21	14.39	0.10	0.04	0.13	-	-	0.04
Diptera-Chironomidae	2.11	0.39	0.53	0.04	-	0.81	0.43	4.80	0.01	0.24	0.03	0.02	-	0.38
Hemiptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mollusca	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-food (cases, plant, pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	-	0.34	0.14	0.24	-	0.18	0.04	0.63	-	0.05	-	-	-	-
Other Insecta	-	-	0.62	-	-	-	-	-	-	-	-	-	-	-
Other Organisms	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	0.41	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	4.39	-	-	-	-	-	-	-	-	-	-	-
Total (mg)	**4.70**	**0.84**	**7.33**	**1.70**	**0.16**	**1.44**	**1.68**	**19.99**	**0.15**	**0.33**	**0.22**	**0.35**	**0.69**	**0.94**
% Stomach Full	75	50	100	50	10	75	25	75	10	25	25	10	10	50
% Stomach Content Digested	75	25	75	50	50	75	75	75	100	50	50	50	0	75

Note: Units in milligrams (mg).

Lake	Leslie														
Stomach #	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**
Fish ID	**LES24-SLSC-01**	**LES24-SLSC-02**	**LES24-SLSC-03**	**LES24-SLSC-04**	**LES24-SLSC-05**	**LES24-SLSC-06**	**LES24-SLSC-07**	**LES24-SLSC-08**	**LES24-SLSC-09**	**LES24-SLSC-10**	**LES24-SLSC-11**	**LES24-SLSC-12**	**LES24-SLSC-13**	**LES24-SLSC-14**	**LES24-SLSC-15**
Lab Sample ID	**fs24-140-337**	**fs24-140-338**	**fs24-140-339**	**fs24-140-340**	**fs24-140-341**	**fs24-140-342**	**fs24-140-343**	**fs24-140-344**	**fs24-140-345**	**fs24-140-346**	**fs24-140-347**	**fs24-140-348**	**fs24-140-349**	**fs24-140-350**	**fs24-140-351**
Sampling Date	**14-Aug-24**	**14-Aug-24**	**18-Aug-24**	**18-Aug-24**	**18-Aug-24**	**18-Aug-24**	**18-Aug-24**	**20-Aug-24**	**20-Aug-24**	**20-Aug-24**	**20-Aug-24**	**20-Aug-24**	**20-Aug-24**	**20-Aug-24**	**20-Aug-24**
Major Group															
Arachnida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	-	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea	8.22	1.71	-	0.22	-	0.60	0.38	0.27	0.16	0.15	0.18	0.31	0.36	-	-
Digested Material	2.01	2.24	-	1.77	1.12	1.54	0.10	1.02	0.64	0.89	0.70	0.32	0.45	0.88	0.30
Diptera-Chironomidae	0.27	0.86	1.08	2.95	2.07	1.27	0.01	0.19	0.27	0.29	1.56	0.02	0.04	0.03	0.47
Hemiptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mollusca	-	-	-	-	-	-	-	-	-	-	-	0.07	-	-	-
Non-food (cases, plant, pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	-	-	-	-	0.03	-	-	-	-	-	-	0.06	-	-	-
Other Insecta	0.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Organisms	-	-	-	-	-	-	-	-	-	-	-	-	-	0.06	-
Fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	0.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total (mg)	**10.69**	**4.85**	**1.08**	**4.94**	**3.21**	**3.41**	**0.48**	**1.48**	**1.07**	**1.32**	**2.44**	**0.78**	**0.85**	**0.98**	**0.77**
% Stomach Full	100	100	0	100	100	100	25	50	50	50	50	50	50	25	50
% Stomach Content Digested	75	75	100	75	75	75	25	100	100	100	75	50	75	75	75

Lake	Leslie *(cont'd)*														
Stomach #	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**
Fish ID	**LES24-SLSC-16**	**LES24-SLSC-17**	**LES24-SLSC-18**	**LES24-SLSC-19**	**LES24-SLSC-20**	**LES24-SLSC-21**	**LES24-SLSC-22**	**LES24-SLSC-23**	**LES24-SLSC-24**	**LES24-SLSC-25**	**LES24-SLSC-26**	**LES24-SLSC-27**	**LES24-SLSC-28**	**LES24-SLSC-29**	**LES24-SLSC-30**
Lab Sample ID	**fs24-140-352**	**fs24-140-353**	**fs24-140-354**	**fs24-140-355**	**fs24-140-356**	**fs24-140-357**	**fs24-140-358**	**fs24-140-359**	**fs24-140-360**	**fs24-140-361**	**fs24-140-362**	**fs24-140-363**	**fs24-140-364**	**fs24-140-365**	**fs24-140-366**
Sampling Date	**20-Aug-24**	**20-Aug-24**	**20-Aug-24**	**20-Aug-24**	**20-Aug-24**	**20-Aug-24**	**21-Aug-24**	**21-Aug-24**	**21-Aug-24**	**21-Aug-24**	**21-Aug-24**	**21-Aug-24**	**21-Aug-24**	**21-Aug-24**	**21-Aug-24**
Major Group															
Arachnida	-	-	-	-	-	-	-	-	-	-	0.62	-	-	-	-
Coleoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea	0.05	-	0.14	0.52	1.53	-	0.19	-	0.92	-	0.79	0.03	0.92	0.45	-
Digested Material	1.18	0.73	0.47	1.17	0.69	-	0.21	1.21	1.67	0.07	1.38	1.67	0.69	0.70	0.43
Diptera-Chironomidae	3.51	2.51	0.02	0.79	0.60	3.31	0.06	1.45	0.56	0.03	0.09	0.88	0.73	0.53	0.08
Hemiptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mollusca	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-food (cases, plant, pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	0.05	-	-	-	0.26	-	-	-	-	-	-	-	0.10	-	-
Other Insecta	-	-	-	-	-	-	-	-	-	-	-	-	-	0.51	-
Other Organisms	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total (mg)	**4.78**	**3.24**	**0.63**	**2.49**	**3.08**	**3.31**	**0.46**	**2.66**	**3.15**	**0.10**	**2.89**	**2.58**	**2.43**	**2.19**	**0.51**
% Stomach Full	100	50	25	75	100	75	25	25	50	10	50	50	50	50	50
% Stomach Content Digested	75	75	100	75	50	50	75	75	75	100	50	75	50	75	100

Note: Units in milligrams (mg).

Lake	Moose														
Stomach #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Fish ID	MOO24-SLSC-01	MOO24-SLSC-02	MOO24-SLSC-03	MOO24-SLSC-04	MOO24-SLSC-05	MOO24-SLSC-06	MOO24-SLSC-07	MOO24-SLSC-08	MOO24-SLSC-09	MOO24-SLSC-10	MOO24-SLSC-11	MOO24-SLSC-12	MOO24-SLSC-13	MOO24-SLSC-14	MOO24-SLSC-15
Lab Sample ID	fs24-140-168	fs24-140-169	fs24-140-170	fs24-140-171	fs24-140-172	fs24-140-173	fs24-140-174	fs24-140-175	fs24-140-176	fs24-140-177	fs24-140-178	fs24-140-179	fs24-140-180	fs24-140-181	fs24-140-182
Sampling Date	21-Aug-24	21-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24
Major Group															
Arachnida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea	-	0.02	0.07	-	0.77	0.46	1.07	-	-	-	-	-	-	-	-
Digested Material	0.03	0.42	1.84	0.85	1.46	1.25	0.64	0.09	0.14	0.40	7.15	11.61	0.93	-	5.79
Diptera-Chironomidae	0.04	0.12	0.02	0.04	0.20	0.08	0.16	0.15	0.89	0.03	3.83	10.17	0.49	0.17	4.37
Hemiptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mollusca	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-food (cases, plant, pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Insecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Organisms	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total (mg)	**0.07**	**0.57**	**1.93**	**0.89**	**2.44**	**1.79**	**1.87**	**0.24**	**1.03**	**0.43**	**10.99**	**21.77**	**1.42**	**0.17**	**10.16**
% Stomach Full	10	50	50	25	75	75	75	25	100	25	100	100	25	10	75
% Stomach Content Digested	100	50	100	100	75	75	100	50	75	100	75	75	50	0	75

Lake	Moose *(cont'd)*														
Stomach #	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Fish ID	MOO24-SLSC-16	MOO24-SLSC-17	MOO24-SLSC-18	MOO24-SLSC-19	MOO24-SLSC-20	MOO24-SLSC-21	MOO24-SLSC-22	MOO24-SLSC-23	MOO24-SLSC-24	MOO24-SLSC-25	MOO24-SLSC-26	MOO24-SLSC-27	MOO24-SLSC-28	MOO24-SLSC-29	MOO24-SLSC-30
Lab Sample ID	fs24-140-183	fs24-140-184	fs24-140-185	fs24-140-186	fs24-140-187	fs24-140-188	fs24-140-189	fs24-140-190	fs24-140-191	fs24-140-192	fs24-140-193	fs24-140-194	fs24-140-195	fs24-140-196	fs24-140-197
Sampling Date	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24
Major Group															
Arachnida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea	-	-	0.82	0.16	-	-	0.41	0.24	0.24	0.22	1.62	0.36	0.22	0.96	-
Digested Material	3.24	0.44	2.03	0.59	1.17	0.81	1.69	0.46	2.64	1.14	1.96	0.70	0.70	1.90	0.38
Diptera-Chironomidae	2.78	0.10	0.54	0.19	0.42	0.18	0.62	0.01	1.22	0.07	0.17	0.04	0.12	0.16	0.33
Hemiptera	-	-	-	-	-	-	-	-	-	-	-	-	-	2.39	-
Mollusca	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-food (cases, plant, pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-
Other Insecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Organisms	-	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	0.11	-	-	-	-	-	-	-	-	-	-	-	-
Total (mg)	**6.03**	**0.54**	**3.50**	**0.93**	**1.59**	**1.00**	**2.73**	**0.71**	**4.11**	**1.44**	**3.75**	**1.10**	**1.04**	**5.41**	**0.71**
% Stomach Full	75	50	75	50	75	50	75	50	75	25	75	50	75	50	75
% Stomach Content Digested	75	100	100	100	100	100	75	50	75	100	75	50	100	75	100

Note: Units in milligrams (mg).

Lake	Nema														
Stomach #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Fish ID	NEM24-SLSC-01	NEM24-SLSC-02	NEM24-SLSC-03	NEM24-SLSC-04	NEM24-SLSC-05	NEM24-SLSC-06	NEM24-SLSC-07	NEM24-SLSC-08	NEM24-SLSC-09	NEM24-SLSC-10	NEM24-SLSC-11	NEM24-SLSC-12	NEM24-SLSC-13	NEM24-SLSC-14	NEM24-SLSC-15
Lab Sample ID	fs24-140-048	fs24-140-049	fs24-140-050	fs24-140-051	fs24-140-052	fs24-140-053	fs24-140-054	fs24-140-055	fs24-140-056	fs24-140-057	fs24-140-058	fs24-140-059	fs24-140-060	fs24-140-061	fs24-140-062
Sampling Date	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24
Major Group															
Arachnida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea	-	-	0.07	-	-	-	-	1.53	-	-	-	-	-	-	-
Digested Material	4.02	4.07	4.22	0.31	-	2.59	2.90	4.23	0.65	0.35	1.94	6.39	0.36	0.06	0.04
Diptera-Chironomidae	0.33	1.24	0.83	1.52	-	2.06	1.12	0.22	2.16	0.18	0.61	0.86	1.21	0.19	0.01
Hemiptera	-	-	-	-	-	-	-	-	-	0.02	-	-	-	-	-
Mollusca	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-food (cases, plant, pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	0.12	-	2.38	-	-	-	-	-	-	-	1.00	-	-	-	-
Other Insecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Organisms	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish	-	-	47.23	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total (mg)	**4.48**	**5.31**	**54.73**	**1.83**	**0.00**	**4.65**	**4.03**	**5.97**	**2.80**	**0.55**	**3.55**	**7.24**	**1.57**	**0.25**	**0.05**
% Stomach Full	75	75	100	50	0	75	75	75	75	50	75	75	75	50	10
% Stomach Content Digested	75	75	75	75	100	75	75	100	50	100	100	100	100	10	100

Lake	Nema *(cont'd)*														
Stomach #	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Fish ID	NEM24-SLSC-16	NEM24-SLSC-17	NEM24-SLSC-18	NEM24-SLSC-19	NEM24-SLSC-20	NEM24-SLSC-21	NEM24-SLSC-22	NEM24-SLSC-23	NEM24-SLSC-24	NEM24-SLSC-25	NEM24-SLSC-26	NEM24-SLSC-27	NEM24-SLSC-28	NEM24-SLSC-29	NEM24-SLSC-30
Lab Sample ID	fs24-140-063	fs24-140-064	fs24-140-065	fs24-140-066	fs24-140-067	fs24-140-068	fs24-140-069	fs24-140-070	fs24-140-071	fs24-140-072	fs24-140-073	fs24-140-074	fs24-140-075	fs24-140-076	fs24-140-077
Sampling Date	2-Sep-24	2-Sep-24	9-Sep-24	9-Sep-24	9-Sep-24	9-Sep-24	10-Sep-24	10-Sep-24	10-Sep-24	10-Sep-24	12-Sep-24	12-Sep-24	12-Sep-24	12-Sep-24	12-Sep-24
Major Group															
Arachnida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea	0.28	-	-	-	0.04	0.01	0.09	0.17	0.15	-	-	-	-	-	-
Digested Material	0.08	7.06	0.15	1.97	1.24	-	2.07	1.21	0.78	1.37	1.54	0.42	0.69	1.25	0.27
Diptera-Chironomidae	0.43	0.06	0.03	1.21	1.50	0.12	5.99	1.51	1.95	5.48	1.89	2.17	0.09	9.24	0.85
Hemiptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mollusca	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-food (cases, plant, pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	-	0.53	-	0.00	-	-	0.05	-	-	-	0.98	0.77	-	-	-
Other Insecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Organisms	-	-	-	-	0.02	-	-	-	-	-	-	-	-	-	-
Fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	0.92	-	-	-	-	-	-	-	-	-	-	-	-	-
Total (mg)	**0.78**	**8.57**	**0.17**	**3.18**	**2.80**	**0.13**	**8.20**	**2.88**	**2.88**	**6.85**	**4.41**	**3.36**	**0.79**	**10.48**	**1.12**
% Stomach Full	75	100	10	100	100	10	100	75	75	100	100	75	50	100	75
% Stomach Content Digested	25	100	100	75	75	75	50	75	75	75	75	25	100	75	75

Note: Units in milligrams (mg).

Lake	Slipper														
Stomach #	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**
Fish ID	**SLP24-SLSC-01**	**SLP24-SLSC-02**	**SLP24-SLSC-03**	**SLP24-SLSC-04**	**SLP24-SLSC-05**	**SLP24-SLSC-06**	**SLP24-SLSC-07**	**SLP24-SLSC-08**	**SLP24-SLSC-09**	**SLP24-SLSC-10**	**SLP24-SLSC-11**	**SLP24-SLSC-12**	**SLP24-SLSC-13**	**SLP24-SLSC-14**	**SLP24-SLSC-15**
Lab Sample ID	**fs24-140-408**	**fs24-140-409**	**fs24-140-410**	**fs24-140-411**	**fs24-140-412**	**fs24-140-413**	**fs24-140-414**	**fs24-140-415**	**fs24-140-416**	**fs24-140-417**	**fs24-140-418**	**fs24-140-419**	**fs24-140-420**	**fs24-140-421**	**fs24-140-031**
Sampling Date	**15-Aug-24**	**15-Aug-24**	**15-Aug-24**	**15-Aug-24**	**15-Aug-24**	**15-Aug-24**	**15-Aug-24**	**16-Aug-24**	**16-Aug-24**	**16-Aug-24**	**16-Aug-24**	**16-Aug-24**	**16-Aug-24**	**16-Aug-24**	**16-Aug-24**
Major Group															
Arachnida	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-	-
Coleoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea	-	-	-	0.03	-	-	-	2.16	-	-	-	0.00	-	0.01	0.14
Digested Material	-	5.66	3.53	1.75	0.81	0.12	-	-	0.41	0.19	0.75	0.28	0.13	0.87	2.09
Diptera-Chironomidae	0.03	4.25	3.21	0.47	0.35	0.13	0.00	0.02	-	0.11	0.21	2.88	0.31	0.27	-
Hemiptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mollusca	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-food (cases, plant, pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	-	-	-	-	-	-	-	-	-	0.09	-	-	0.25	-	-
Other Insecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.81
Other Organisms	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	0.68	-	-	-	0.30	-	-	-	-	-	-	-	-
Total (mg)	**0.03**	**9.91**	**7.41**	**2.25**	**1.16**	**0.25**	**0.30**	**2.18**	**0.41**	**0.39**	**0.96**	**3.17**	**0.69**	**1.14**	**4.04**
% Stomach Full	10	75	50	75	50	25	25	75	25	25	50	50	25	25	25
% Stomach Content Digested	100	75	75	75	75	50	100	75	100	75	100	10	75	75	75

Lake	Slipper *(cont'd)*														
Stomach #	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**
Fish ID	**SLP24-SLSC-16**	**SLP24-SLSC-17**	**SLP24-SLSC-18**	**SLP24-SLSC-19**	**SLP24-SLSC-20**	**SLP24-SLSC-21**	**SLP24-SLSC-22**	**SLP24-SLSC-23**	**SLP24-SLSC-24**	**SLP24-SLSC-25**	**SLP24-SLSC-26**	**SLP24-SLSC-27**	**SLP24-SLSC-28**	**SLP24-SLSC-29**	**SLP24-SLSC-30**
Lab Sample ID	**fs24-140-032**	**fs24-140-033**	**fs24-140-034**	**fs24-140-035**	**fs24-140-036**	**fs24-140-037**	**fs24-140-038**	**fs24-140-039**	**fs24-140-040**	**fs24-140-041**	**fs24-140-042**	**fs24-140-043**	**fs24-140-044**	**fs24-140-045**	**fs24-140-046**
Sampling Date	**16-Aug-24**	**17-Aug-24**	**17-Aug-24**	**17-Aug-24**	**17-Aug-24**	**18-Aug-24**	**18-Aug-24**	**18-Aug-24**	**18-Aug-24**	**18-Aug-24**	**18-Aug-24**	**18-Aug-24**	**18-Aug-24**	**18-Aug-24**	**18-Aug-24**
Major Group															
Arachnida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea	-	0.09	0.06	-	1.00	0.21	0.05	0.43	-	0.07	-	0.37	0.02	0.39	-
Digested Material	1.03	0.70	0.12	1.47	1.39	0.15	1.05	0.09	0.14	0.31	-	0.54	0.58	-	-
Diptera-Chironomidae	1.76	0.03	0.11	0.31	0.19	0.12	0.06	0.03	0.07	0.01	0.00	0.04	0.06	0.14	-
Hemiptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mollusca	-	-	-	-	0.03	-	-	-	-	-	-	-	-	-	-
Non-food (cases, plant, pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	-	-	-	0.11	-	-	-	-	0.06	-	-	0.31	-	0.02	-
Other Insecta	0.01	-	-	-	-	-	-	-	-	-	0.88	-	-	0.18	-
Other Organisms	-	-	-	-	-	-	0.02	-	-	-	-	-	-	-	-
Fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	0.17	-	-	-	-	-	-	-	-	-	-	-	-	-
Total (mg)	**2.80**	**0.98**	**0.29**	**1.88**	**2.60**	**0.48**	**1.19**	**0.54**	**0.28**	**0.39**	**0.88**	**1.26**	**0.66**	**0.72**	**0.00**
% Stomach Full	75	75	50	75	75	25	50	25	25	25	25	50	50	75	0
% Stomach Content Digested	75	50	75	75	75	50	100	25	50	100	100	75	100	50	100

Note: Units in milligrams (mg).

Lake	Cujo														
Stomach #	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**
Fish ID	**CUJ24-SLSC-01**	**CUJ24-SLSC-02**	**CUJ24-SLSC-03**	**CUJ24-SLSC-04**	**CUJ24-SLSC-05**	**CUJ24-SLSC-06**	**CUJ24-SLSC-07**	**CUJ24-SLSC-08**	**CUJ24-SLSC-09**	**CUJ24-SLSC-10**	**CUJ24-SLSC-11**	**CUJ24-SLSC-12**	**CUJ24-SLSC-13**	**CUJ24-SLSC-14**	**CUJ24-SLSC-15**
Lab Sample ID	**fs24-140-271**	**fs24-140-272**	**fs24-140-273**	**fs24-140-274**	**fs24-140-275**	**fs24-140-276**	**fs24-140-277**	**fs24-140-278**	**fs24-140-279**	**fs24-140-280**	**fs24-140-281**	**fs24-140-282**	**fs24-140-283**	**fs24-140-284**	**fs24-140-285**
Sampling Date	**26-Aug-24**	**26-Aug-24**	**26-Aug-24**	**26-Aug-24**	**26-Aug-24**	**26-Aug-24**	**26-Aug-24**	**26-Aug-24**	**26-Aug-24**	**26-Aug-24**	**28-Aug-24**	**28-Aug-24**	**28-Aug-24**	**28-Aug-24**	**28-Aug-24**
Major Group															
Arachnida	-	-	-	-	-	0.07	-	-	-	-	-	-	-	-	-
Coleoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	1.03	-
Crustacea	0.79	-	4.86	-	-	-	0.34	-	-	-	-	-	-	-	-
Digested Material	-	-	-	0.60	1.02	1.60	0.49	-	4.18	-	-	1.25	-	0.24	-
Diptera-Chironomidae	14.38	6.91	5.13	1.69	1.20	2.76	0.71	7.40	0.80	0.17	0.02	2.84	0.14	1.35	-
Hemiptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.26
Mollusca	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-food (cases, plant, pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	-	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-
Other Insecta	-	-	-	-	-	-	-	-	0.06	-	-	-	-	-	-
Other Organisms	-	-	-	-	-	-	-	-	-	-	0.00	-	-	-	-
Fish	61.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total (mg)	**76.28**	**6.91**	**10.03**	**2.29**	**2.23**	**4.43**	**1.53**	**7.40**	**5.04**	**0.17**	**0.02**	**4.09**	**0.14**	**2.62**	**4.26**
% Stomach Full	100	75	75	25	25	25	25	75	75	10	10	50	10	75	50
% Stomach Content Digested	50	25	50	10	50	75	50	75	75	10	0	25	10	75	75

Lake	*Cujo (cont'd)*														
Stomach #	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**
Fish ID	**CUJ24-SLSC-16**	**CUJ24-SLSC-17**	**CUJ24-SLSC-18**	**CUJ24-SLSC-19**	**CUJ24-SLSC-20**	**CUJ24-SLSC-21**	**CUJ24-SLSC-22**	**CUJ24-SLSC-23**	**CUJ24-SLSC-24**	**CUJ24-SLSC-25**	**CUJ24-SLSC-26**	**CUJ24-SLSC-27**	**CUJ24-SLSC-28**	**CUJ24-SLSC-29**	**CUJ24-SLSC-30**
Lab Sample ID	**fs24-140-286**	**fs24-140-287**	**fs24-140-288**	**fs24-140-289**	**fs24-140-290**	**fs24-140-291**	**fs24-140-292**	**fs24-140-293**	**fs24-140-294**	**fs24-140-295**	**fs24-140-296**	**fs24-140-297**	**fs24-140-298**	**fs24-140-299**	**fs24-140-300**
Sampling Date	**28-Aug-24**	**28-Aug-24**	**28-Aug-24**	**28-Aug-24**	**28-Aug-24**	**28-Aug-24**	**28-Aug-24**	**28-Aug-24**	**28-Aug-24**	**28-Aug-24**	**28-Aug-24**	**28-Aug-24**	**28-Aug-24**	**28-Aug-24**	**28-Aug-24**
Major Group															
Arachnida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea	-	1.73	15.23	-	0.00	-	-	-	-	-	-	-	-	-	-
Digested Material	-	0.87	-	-	1.21	-	-	-	-	1.42	0.03	2.76	1.47	-	-
Diptera-Chironomidae	-	0.49	0.05	2.67	1.24	0.07	0.90	0.89	-	0.09	0.01	0.52	0.25	-	0.47
Hemiptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mollusca	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-food (cases, plant, pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	-	-	-	-	-	-	-	-	11.42	-	-	-	-	-	-
Other Insecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Organisms	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total (mg)	**0.00**	**3.08**	**15.28**	**2.67**	**2.46**	**0.07**	**0.90**	**0.89**	**11.42**	**1.51**	**0.04**	**3.28**	**1.71**	**0.00**	**0.47**
% Stomach Full	0	50	75	25	75	0	50	25	100	25	10	50	50	0	50
% Stomach Content Digested	100	75	50	10	50	100	25	75	75	100	100	75	75	100	50

Note: Units in milligrams (mg).

Lake	Horseshoe														
Stomach #	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**
Fish ID	**HOS24-SLSC-01**	**HOS24-SLSC-02**	**HOS24-SLSC-03**	**HOS24-SLSC-04**	**HOS24-SLSC-05**	**HOS24-SLSC-06**	**HOS24-SLSC-07**	**HOS24-SLSC-08**	**HOS24-SLSC-09**	**HOS24-SLSC-10**	**HOS24-SLSC-11**	**HOS24-SLSC-12**	**HOS24-SLSC-13**	**HOS24-SLSC-14**	**HOS24-SLSC-15**
Lab Sample ID	**fs24-140-241**	**fs24-140-242**	**fs24-140-243**	**fs24-140-244**	**fs24-140-245**	**fs24-140-246**	**fs24-140-247**	**fs24-140-248**	**fs24-140-249**	**fs24-140-250**	**fs24-140-251**	**fs24-140-252**	**fs24-140-253**	**fs24-140-254**	**fs24-140-255**
Sampling Date	**6-Sep-24**	**6-Sep-24**	**6-Sep-24**	**6-Sep-24**	**6-Sep-24**	**6-Sep-24**	**6-Sep-24**	**6-Sep-24**	**6-Sep-24**	**6-Sep-24**	**6-Sep-24**	**7-Sep-24**	**7-Sep-24**	**7-Sep-24**	**7-Sep-24**
Major Group															
Arachnida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea	-	-	0.01	-	-	-	-	-	0.05	-	-	-	-	-	-
Digested Material	2.07	0.42	1.57	2.98	5.02	0.41	1.59	5.08	2.17	3.14	2.64	1.59	-	1.54	1.17
Diptera-Chironomidae	3.07	1.22	4.83	1.01	5.11	0.05	1.85	1.09	0.42	0.20	2.59	0.94	6.91	1.48	1.67
Hemiptera	-	-	-	-	-	-	-	-	-	1.98	-	-	-	-	-
Mollusca	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-food (cases, plant, pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	0.00	0.11	0.82	4.45	-	1.28	8.76	-	11.11	0.21	3.36	1.55	-	1.74	0.22
Other Insecta	0.72	-	-	0.20	-	-	-	-	-	-	-	-	-	-	-
Other Organisms	-	-	-	-	-	-	-	-	-	-	-	0.21	-	0.03	-
Fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	0.33	-	0.76	-	-	-	-	-	3.06	-	-	-
Total (mg)	**5.86**	**1.75**	**7.22**	**8.97**	**10.13**	**2.49**	**12.19**	**6.17**	**13.75**	**5.53**	**8.58**	**7.35**	**6.91**	**4.79**	**3.07**
% Stomach Full	75	100	100	100	100	25	100	50	100	75	100	100	50	75	75
% Stomach Content Digested	50	50	75	75	75	75	50	75	75	75	75	50	0	50	75

Lake	Horseshoe *(cont'd)*														
Stomach #	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**
Fish ID	**HOS24-SLSC-16**	**HOS24-SLSC-17**	**HOS24-SLSC-18**	**HOS24-SLSC-19**	**HOS24-SLSC-20**	**HOS24-SLSC-21**	**HOS24-SLSC-22**	**HOS24-SLSC-23**	**HOS24-SLSC-24**	**HOS24-SLSC-25**	**HOS24-SLSC-26**	**HOS24-SLSC-27**	**HOS24-SLSC-28**	**HOS24-SLSC-29**	**HOS24-SLSC-30**
Lab Sample ID	**fs24-140-256**	**fs24-140-257**	**fs24-140-258**	**fs24-140-259**	**fs24-140-260**	**fs24-140-261**	**fs24-140-262**	**fs24-140-263**	**fs24-140-264**	**fs24-140-265**	**fs24-140-266**	**fs24-140-267**	**fs24-140-268**	**fs24-140-269**	**fs24-140-270**
Sampling Date	**7-Sep-24**	**7-Sep-24**	**7-Sep-24**	**7-Sep-24**	**7-Sep-24**	**7-Sep-24**	**7-Sep-24**	**7-Sep-24**	**7-Sep-24**	**8-Sep-24**	**8-Sep-24**	**8-Sep-24**	**8-Sep-24**	**8-Sep-24**	**8-Sep-24**
Major Group															
Arachnida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	-	-	-	-	-	-	-	-	-	0.69	-	-	-	-	-
Crustacea	-	-	-	-	-	-	0.28	-	-	-	-	-	-	-	-
Digested Material	2.18	1.42	21.96	3.07	5.18	0.35	16.06	2.55	4.57	3.70	2.24	1.04	1.60	0.20	0.06
Diptera-Chironomidae	0.14	1.43	2.69	10.76	1.02	0.41	1.37	0.41	0.47	7.73	1.49	0.29	0.97	0.76	0.13
Hemiptera	-	-	-	-	0.29	-	-	-	-	-	-	-	-	-	-
Mollusca	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-food (cases, plant, pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	0.04	4.56	22.45	0.25	3.36	-	5.73	-	4.68	0.26	-	0.49	0.44	-	-
Other Insecta	-	-	4.51	-	-	-	18.28	-	-	0.66	-	-	-	-	-
Other Organisms	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	1.39	-	-	-	1.82	-	0.32	-	-	-	-	-
Total (mg)	**2.36**	**7.41**	**51.60**	**15.47**	**9.86**	**0.75**	**41.73**	**4.79**	**9.72**	**13.36**	**3.73**	**1.83**	**3.02**	**0.96**	**0.19**
% Stomach Full	25	100	75	100	100	50	100	50	75	75	50	75	100	100	50
% Stomach Content Digested	100	75	50	50	75	50	75	100	50	75	75	75	75	75	50

Note: Units in milligrams (mg).

Lake	HWL2														
Stomach #	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**
Fish ID	**HW224-SLSC-01**	**HW224-SLSC-02**	**HW224-SLSC-03**	**HW224-SLSC-04**	**HW224-SLSC-05**	**HW224-SLSC-06**	**HW224-SLSC-07**	**HW224-SLSC-08**	**HW224-SLSC-09**	**HW224-SLSC-10**	**HW224-SLSC-11**	**HW224-SLSC-12**	**HW224-SLSC-13**	**HW224-SLSC-14**	**HW224-SLSC-15**
Lab Sample ID	**fs24-140-422**	**fs24-140-423**	**fs24-140-424**	**fs24-140-425**	**fs24-140-426**	**fs24-140-427**	**fs24-140-428**	**fs24-140-429**	**fs24-140-430**	**fs24-140-431**	**fs24-140-011**	**fs24-140-012**	**fs24-140-013**	**fs24-140-014**	**fs24-140-015**
Sampling Date	**5-Aug-24**	**5-Aug-24**	**5-Aug-24**	**5-Aug-24**	**5-Aug-24**	**5-Aug-24**	**10-Aug-24**	**10-Aug-24**	**10-Aug-24**	**10-Aug-24**	**10-Aug-24**	**10-Aug-24**	**10-Aug-24**	**10-Aug-24**	**10-Aug-24**
Major Group															
Arachnida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	-	0.72	-	-	-	0.04	-	-	-	0.01	-	-	-	-	-
Crustacea	-	-	-	-	-	-	0.02	-	0.01	-	-	-	-	-	-
Digested Material	1.21	1.22	0.33	-	2.29	0.07	1.00	2.22	1.32	1.55	22.08	0.60	0.68	1.78	-
Diptera-Chironomidae	0.05	0.05	0.01	-	0.59	0.07	0.31	1.13	0.45	0.15	0.07	0.09	0.08	0.43	-
Hemiptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mollusca	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-food (cases, plant, pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	0.20	-	0.75	-	0.61	-	-	-	-	-	1.15	-	-	-	-
Other Insecta	-	-	-	-	-	0.24	-	-	-	-	9.34	-	-	-	-
Other Organisms	-	-	-	-	0.14	-	-	-	-	-	-	-	-	0.04	-
Fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	0.97	-	-
Total (mg)	**1.45**	**1.99**	**1.10**	**0.00**	**3.63**	**0.42**	**1.34**	**3.36**	**1.77**	**1.71**	**32.64**	**0.70**	**1.74**	**2.25**	**0.00**
% Stomach Full	50	25	25	0	50	75	75	75	75	50	75	25	25	75	0
% Stomach Content Digested	100	75	100	100	75	100	75	100	75	100	100	100	50	100	100

Lake	HWL2 *(cont'd)*														
Stomach #	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**
Fish ID	**HW224-SLSC-16**	**HW224-SLSC-17**	**HW224-SLSC-18**	**HW224-SLSC-19**	**HW224-SLSC-20**	**HW224-SLSC-21**	**HW224-SLSC-22**	**HW224-SLSC-23**	**HW224-SLSC-24**	**HW224-SLSC-25**	**HW224-SLSC-26**	**HW224-SLSC-27**	**HW224-SLSC-28**	**HW224-SLSC-29**	**HW224-SLSC-30**
Lab Sample ID	**fs24-140-016**	**fs24-140-017**	**fs24-140-018**	**fs24-140-019**	**fs24-140-020**	**fs24-140-432**	**fs24-140-433**	**fs24-140-434**	**fs24-140-435**	**fs24-140-436**	**fs24-140-437**	**fs24-140-438**	**fs24-140-439**	**fs24-140-440**	**fs24-140-441**
Sampling Date	**11-Aug-24**	**11-Aug-24**	**11-Aug-24**	**11-Aug-24**	**11-Aug-24**	**11-Aug-24**	**11-Aug-24**	**11-Aug-24**	**11-Aug-24**	**11-Aug-24**	**11-Aug-24**	**11-Aug-24**	**11-Aug-24**	**11-Aug-24**	**12-Aug-24**
Major Group															
Arachnida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	0.38	-	0.02	-	-	-	0.61	-	-	-	-	-	-	-	-
Crustacea	0.05	0.05	-	0.01	0.01	-	0.10	0.03	0.02	-	0.09	-	-	-	-
Digested Material	-	-	-	-	-	0.88	0.38	0.25	1.34	0.92	0.02	1.38	1.61	1.82	-
Diptera-Chironomidae	0.68	0.68	0.73	0.06	0.61	0.08	0.05	-	0.64	0.14	0.04	0.06	0.03	0.06	-
Hemiptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mollusca	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-food (cases, plant, pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Insecta	0.59	-	1.43	0.66	-	-	-	-	-	-	-	-	-	-	-
Other Organisms	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total (mg)	**1.71**	**0.74**	**2.19**	**0.73**	**0.61**	**0.96**	**1.14**	**0.28**	**2.00**	**1.05**	**0.15**	**1.44**	**1.63**	**1.88**	**0.00**
% Stomach Full	75	25	75	25	50	50	50	10	100	50	25	50	75	50	0
% Stomach Content Digested	50	50	75	100	75	100	25	100	75	100	25	100	100	100	100

Note: Units in milligrams (mg).

Lake	Ross														
Stomach #	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**
Fish ID	**ROS24-SLSC-01**	**ROS24-SLSC-02**	**ROS24-SLSC-03**	**ROS24-SLSC-04**	**ROS24-SLSC-05**	**ROS24-SLSC-06**	**ROS24-SLSC-07**	**ROS24-SLSC-08**	**ROS24-SLSC-09**	**ROS24-SLSC-10**	**ROS24-SLSC-11**	**ROS24-SLSC-12**	**ROS24-SLSC-13**	**ROS24-SLSC-14**	**ROS24-SLSC-15**
Lab Sample ID	**fs24-140-021**	**fs24-140-022**	**fs24-140-023**	**fs24-140-024**	**fs24-140-025**	**fs24-140-026**	**fs24-140-027**	**fs24-140-028**	**fs24-140-029**	**fs24-140-030**	**fs24-140-368**	**fs24-140-369**	**fs24-140-370**	**fs24-140-371**	**fs24-140-372**
Sampling Date	**19-Aug-24**	**19-Aug-24**	**19-Aug-24**	**19-Aug-24**	**19-Aug-24**	**19-Aug-24**	**19-Aug-24**	**19-Aug-24**	**19-Aug-24**	**19-Aug-24**	**19-Aug-24**	**19-Aug-24**	**19-Aug-24**	**19-Aug-24**	**19-Aug-24**
Major Group															
Arachnida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea	0.34	-	0.07	-	-	-	0.14	-	-	0.07	0.20	-	-	-	-
Digested Material	0.39	2.07	0.01	-	2.47	2.86	0.53	2.74	4.25	0.37	-	-	-	1.47	-
Diptera-Chironomidae	0.20	5.85	0.05	0.53	3.17	1.05	0.12	3.21	1.50	0.43	0.29	0.28	0.89	1.13	0.02
Hemiptera	-	-	-	-	-	-	-	-	11.96	-	-	-	-	-	3.76
Mollusca	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-food (cases, plant, pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	-	0.39	-	-	-	-	-	-	-	-	-	-	0.07	-	-
Other Insecta	-	-	-	-	-	-	-	-	19.44	-	-	-	-	-	-
Other Organisms	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish	-	-	-	-	-	-	-	-	25.10	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total (mg)	**0.93**	**8.32**	**0.14**	**0.53**	**5.64**	**3.91**	**0.79**	**5.95**	**62.25**	**0.87**	**0.50**	**0.28**	**0.96**	**2.59**	**3.78**
% Stomach Full	25	75	10	10	75	75	10	75	100	50	25	10	25	75	75
% Stomach Content Digested	75	50	25	0	50	100	25	50	50	75	25	0	50	75	100

Lake	Ross *(cont'd)*														
Stomach #	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**
Fish ID	**ROS24-SLSC-16**	**ROS24-SLSC-17**	**ROS24-SLSC-18**	**ROS24-SLSC-19**	**ROS24-SLSC-20**	**ROS24-SLSC-21**	**ROS24-SLSC-22**	**ROS24-SLSC-23**	**ROS24-SLSC-24**	**ROS24-SLSC-25**	**ROS24-SLSC-26**	**ROS24-SLSC-27**	**ROS24-SLSC-28**	**ROS24-SLSC-29**	**ROS24-SLSC-30**
Lab Sample ID	**fs24-140-373**	**fs24-140-374**	**fs24-140-375**	**fs24-140-376**	**fs24-140-377**	**fs24-140-378**	**fs24-140-379**	**fs24-140-380**	**fs24-140-381**	**fs24-140-382**	**fs24-140-383**	**fs24-140-384**	**fs24-140-385**	**fs24-140-386**	**fs24-140-387**
Sampling Date	**19-Aug-24**	**19-Aug-24**	**19-Aug-24**	**19-Aug-24**	**19-Aug-24**	**19-Aug-24**	**19-Aug-24**	**19-Aug-24**	**19-Aug-24**	**19-Aug-24**	**19-Aug-24**	**19-Aug-24**	**19-Aug-24**	**19-Aug-24**	**19-Aug-24**
Major Group															
Arachnida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea	0.04	0.89	0.04	-	-	-	-	-	-	0.97	3.25	-	0.66	0.59	0.82
Digested Material	-	2.31	0.91	3.73	0.97	1.94	1.26	1.14	-	0.97	3.25	-	0.66	0.59	0.82
Diptera-Chironomidae	0.02	0.48	0.65	0.30	0.63	6.03	2.02	0.24	0.07	0.46	0.70	-	0.38	0.73	1.02
Hemiptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mollusca	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-food (cases, plant, pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Insecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Organisms	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total (mg)	**0.06**	**3.69**	**1.60**	**4.03**	**1.59**	**7.97**	**3.27**	**1.37**	**0.07**	**1.43**	**3.95**	**0.00**	**1.04**	**1.32**	**1.83**
% Stomach Full	10	50	75	50	50	50	50	50	10	25	75	0	50	50	50
% Stomach Content Digested	50	75	75	100	75	75	75	100	100	100	100	100	100	50	75

Note: Units in milligrams (mg).

Lake	Logan														
Stomach #	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**
Fish ID	**LOG24-SLSC-01**	**LOG24-SLSC-02**	**LOG24-SLSC-03**	**LOG24-SLSC-04**	**LOG24-SLSC-05**	**LOG24-SLSC-06**	**LOG24-SLSC-07**	**LOG24-SLSC-08**	**LOG24-SLSC-09**	**LOG24-SLSC-10**	**LOG24-SLSC-11**	**LOG24-SLSC-12**	**LOG24-SLSC-13**	**LOG24-SLSC-14**	**LOG24-SLSC-15**
Lab Sample ID	**fs24-140-078**	**fs24-140-079**	**fs24-140-080**	**fs24-140-081**	**fs24-140-082**	**fs24-140-083**	**fs24-140-084**	**fs24-140-085**	**fs24-140-086**	**fs24-140-087**	**fs24-140-088**	**fs24-140-089**	**fs24-140-090**	**fs24-140-091**	**fs24-140-092**
Sampling Date	**3-Sep-24**	**3-Sep-24**	**3-Sep-24**	**3-Sep-24**	**3-Sep-24**	**3-Sep-24**	**3-Sep-24**	**3-Sep-24**	**3-Sep-24**	**3-Sep-24**	**3-Sep-24**	**3-Sep-24**	**3-Sep-24**	**3-Sep-24**	**3-Sep-24**
Major Group															
Arachnida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea	-	0.54	-	0.13	0.61	-	-	-	-	-	-	0.15	-	0.10	0.19
Digested Material	0.12	-	-	0.13	0.72	0.17	0.47	-	0.48	-	-	-	-	0.31	-
Diptera-Chironomidae	0.06	0.04	0.03	0.28	0.17	0.13	0.05	0.03	0.20	0.01	0.10	0.31	0.22	0.23	0.66
Hemiptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mollusca	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-food (cases, plant, pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	-	-	4.17	-	-	0.00	0.06	-	0.05	0.19	-	4.96	7.92	-	3.59
Other Insecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Organisms	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total (mg)	**0.17**	**0.58**	**4.20**	**0.54**	**1.50**	**0.31**	**0.58**	**0.03**	**0.72**	**0.20**	**0.10**	**5.42**	**8.15**	**0.64**	**4.44**
% Stomach Full	10	25	75	25	50	25	25	10	50	25	10	75	75	50	50
% Stomach Content Digested	100	0	50	50	75	75	100	75	75	100	0	75	50	50	75

Lake	Logan *(cont'd)*														
Stomach #	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**
Fish ID	**LOG24-SLSC-16**	**LOG24-SLSC-17**	**LOG24-SLSC-18**	**LOG24-SLSC-19**	**LOG24-SLSC-20**	**LOG24-SLSC-21**	**LOG24-SLSC-22**	**LOG24-SLSC-23**	**LOG24-SLSC-24**	**LOG24-SLSC-25**	**LOG24-SLSC-26**	**LOG24-SLSC-27**	**LOG24-SLSC-28**	**LOG24-SLSC-29**	**LOG24-SLSC-30**
Lab Sample ID	**fs24-140-093**	**fs24-140-094**	**fs24-140-095**	**fs24-140-096**	**fs24-140-097**	**fs24-140-098**	**fs24-140-099**	**fs24-140-100**	**fs24-140-101**	**fs24-140-102**	**fs24-140-103**	**fs24-140-104**	**fs24-140-105**	**fs24-140-106**	**fs24-140-107**
Sampling Date	**3-Sep-24**	**3-Sep-24**	**3-Sep-24**	**3-Sep-24**	**3-Sep-24**	**3-Sep-24**	**3-Sep-24**	**3-Sep-24**	**3-Sep-24**	**3-Sep-24**	**3-Sep-24**	**3-Sep-24**	**3-Sep-24**	**3-Sep-24**	**3-Sep-24**
Major Group															
Arachnida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea	-	-	0.04	-	0.02	-	-	-	0.07	-	0.04	0.03	-	-	-
Digested Material	-	-	-	-	-	-	-	-	-	0.20	-	-	-	1.41	-
Diptera-Chironomidae	-	0.20	0.05	0.06	0.13	0.03	-	0.15	0.16	0.10	0.03	0.23	0.00	0.15	0.07
Hemiptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mollusca	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-food (cases, plant, pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	-	-	-	-	-	-	-	-	1.86	0.21	0.34	-	-	-	-
Other Insecta	-	-	-	1.78	-	-	-	-	-	-	-	1.36	0.03	-	0.36
Other Organisms	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total (mg)	**0.00**	**0.20**	**0.09**	**1.84**	**0.15**	**0.03**	**0.00**	**0.15**	**2.09**	**0.51**	**0.42**	**1.61**	**0.03**	**1.56**	**0.42**
% Stomach Full	0	10	25	50	10	10	0	10	50	25	25	50	10	50	25
% Stomach Content Digested	100	100	100	100	50	100	100	100	100	75	100	100	100	100	100

Note: Units in milligrams (mg).

3.8.5 Deformities, Erosions, Lesions, and Tumours

A modified deformities, erosions, lesions and tumours (DELT) assessment was done for sacrificed Slimy Sculpin (Figure 3.8-3). DELT examination for Slimy Sculpin involved the external assessment of live-released Slimy Sculpin, and external and internal assessment of sacrificed Slimy Sculpin for DELT. The assessment is considered modified relative to DELT methods for large-bodied fish, since the assessment of DELT characteristics (particularly erosions) is not as precise for Slimy Sculpin due to their relatively smaller body size. Slimy Sculpin DELT data are presented in Table 3.8-12.

Table 3.8-12 Slimy Sculpin Deformities, Erosions, Lesions, and Tumours Data for AEMP Lakes, 2024

Lake	Sampling Date	Fish ID	Mortality	DELT Malformity	Other Malformity	Comments (type, size)
Moose	29-Aug-2024	MOO24-SLSC-16	Sacrificed	Lesion	-	Bloody eye
Nema	09-Sep-2024	NEM24-SLSC-18	Sacrificed	Lesion	-	Gash on side of body
Nema	10-Sep-2024	NEM24-SLSC-22	Sacrificed	Lesion	-	Missing right eye
Ross	19-Aug-2024	ROS24-SLSC-09	Sacrificed	Deformity	-	Milky eye, possible cataract

Note:
Dash (-) indicates not applicable.

3.8.6 Ethoxyresorufin-O-deethylase

Ethoxyresorufin-O-deethylase (EROD) activity and induction (ratio of specific activity vs. external negative control activity) in liver tissue from sacrificed Slimy Sculpin were analysed by Queens University Analytical Services Unit. EROD results are provided in Table 3.8-13 and summarized in Table 3.8-14.

3.8.7 Tissue Metals

Slimy Sculpin whole body metal and nutrient analyses were completed by Bureau Veritas Laboratories. Detailed concentration data are presented in Table 3.8-15. Analytical detection limits and the percent of samples below detection limit are provided in Table 3.8-16. Summary statistics of the concentration of the six evaluated metals (i.e., arsenic, cadmium, chromium, lead, mercury, and selenium; see Part 1—AEMP Annual Report) in whole body Slimy Sculpin samples are presented in Tables 3.8-17 to 3.8-22.



Fish 18, Nema Lake, Photo 8614, 9-Sep-2024
Lesion/gash on side of body



Fish 9, Ross Lake, Photo 9754, 19-Aug-2024
Milky eye

Figure 3.8-3 Examples of Slimy Sculpin Deformities, Erosions, Lesions, and Tumours for AEMP Lakes, 2024

Table 3.8-13 Slimy Sculpin Liver EROD Activity and Induction for AEMP Lakes, 2024

Lake	Fish ID	Summary Specific EROD Activity (pmol/mg/min)	EROD Induction (Summary Specific EROD Activity/ External Negative Control)	EROD Induction (Square Root)
Nanuq	1	1.90	0.40	0.64
	2	1.22	0.63	0.79
	3	1.63	0.84	0.92
	4	Duplicates	0.85	0.92
	5	0.52	0.16	0.40
	7	1.17	0.43	0.66
	8	2.03	1.07	1.03
	9	1.77	0.57	0.76
	10	2.96	1.12	1.06
	11	0.79	0.27	0.52
	12	1.16	0.28	0.53
	14	2.88	0.84	0.92
	15	1.34	0.42	0.65
	16	2.59	0.94	0.97
	17	Duplicates	0.44	0.66
	18	1.59	0.54	0.73
	19	1.39	0.65	0.81
	20	1.83	0.67	0.82
	21	Duplicates	0.10	0.32
	22	1.04	0.23	0.48
	23	0.86	0.40	0.63
	24	0.46	0.16	0.40
	25	0.75	0.38	0.62
	26	1.04	0.33	0.58
	27	1.51	0.48	0.70
	28	6.17	2.39	1.55
	29	0.98	0.28	0.53
	30	1.30	0.44	0.66

Lake	Fish ID	Summary Specific EROD Activity (pmol/mg/min)	EROD Induction (Summary Specific EROD Activity/ External Negative Control)	EROD Induction (Square Root)
Counts	1	1.46	0.45	0.67
	2	0.84	0.27	0.52
	3	0.87	0.30	0.55
	4	0.37	0.13	0.36
	6	2.75	1.23	1.11
	7	Duplicates	0.22	0.47
	8	3.01	1.15	1.07
	9	1.34	0.35	0.59
	10	4.40	1.06	1.03
	11	2.25	0.65	0.80
	12	2.44	0.52	0.72
	13	2.91	0.94	0.97
	14	4.64	2.58	1.61
	15	1.78	0.66	0.81
	16	1.45	0.46	0.68
	17	3.05	1.57	1.25
	18	2.60	1.27	1.13
	19	2.13	0.69	0.83
	20	2.03	0.66	0.81
	21	Duplicates	0.10	0.31
	22	0.54	0.11	0.34
	23	0.62	0.20	0.44
	24	0.02	0.01	0.08
	25	0.09	0.03	0.16
	26	0.25	0.09	0.31
	27	0.34	0.11	0.33
	28	0.32	0.16	0.40
	29	0.83	0.43	0.66
	30	0.14	0.02	0.14
Vulture	1	3.24	1.05	1.03
	2	1.76	0.67	0.82

Lake	Fish ID	Summary Specific EROD Activity (pmol/mg/min)	EROD Induction (Summary Specific EROD Activity/ External Negative Control)	EROD Induction (Square Root)
	3	3.65	0.82	0.91
	4	1.66	0.60	0.78
	5	Duplicates	0.63	0.79
	6	1.44	0.50	0.70
	7	1.56	0.22	0.47
	9	0.38	0.17	0.41
	10	1.88	0.71	0.85
	11	1.94	0.98	0.99
	12	2.08	0.67	0.82
	13	1.66	0.57	0.76
	14	0.99	0.32	0.56
	15	2.77	0.73	0.85
	16	2.01	1.03	1.02
	17	1.70	0.24	0.49
	18	0.72	0.32	0.57
	22	0.06	0.02	0.13
	24	0.06	0.02	0.13
	25	0.29	0.10	0.32
	26	0.40	0.10	0.31
	27	1.84	0.39	0.62
	28	0.00	0.00	0.00
	30	0.79	0.17	0.41
	31	0.02	0.01	0.07
	31	1.79	0.43	0.66
	33	0.13	0.06	0.25
	34	0.57	0.18	0.42
	35	0.03	0.01	0.11
Northeast	1	Duplicates	0.72	0.85
	2	0.73	0.28	0.53
	3	0.75	0.34	0.58
	4	1.86	0.63	0.80

Lake	Fish ID	Summary Specific EROD Activity (pmol/mg/min)	EROD Induction (Summary Specific EROD Activity/ External Negative Control)	EROD Induction (Square Root)
	6	1.61	0.89	0.95
	8	0.39	0.08	0.29
	9	0.26	0.13	0.37
	10	3.49	1.13	1.06
	11	1.89	0.40	0.63
	12	2.56	0.99	1.00
	13	4.09	1.17	1.08
	14	1.11	0.15	0.39
	15	1.97	0.60	0.78
	16	Duplicates	1.44	1.20
	17	1.22	0.26	0.51
	18	Duplicates	0.43	0.66
	19	1.60	0.34	0.58
	20	0.88	0.47	0.68
	21	0.53	0.28	0.53
	22	1.82	0.53	0.73
	23	1.60	0.42	0.65
	24	4.32	1.04	1.02
	25	1.70	0.62	0.79
	26	0.63	0.20	0.45
	27	2.76	1.05	1.02
	28	0.16	0.04	0.20
	29	2.09	0.50	0.71
	30	3.13	1.61	1.27
Kodiak	1	3.68	1.34	1.16
	2	0.46	0.10	0.31
	3	1.93	0.86	0.93
	4	1.59	0.82	0.90
	5	1.28	0.65	0.80
	6	Duplicates	0.47	0.69
	7	1.20	0.64	0.80

Lake	Fish ID	Summary Specific EROD Activity (pmol/mg/min)	EROD Induction (Summary Specific EROD Activity/ External Negative Control)	EROD Induction (Square Root)
	8	3.30	1.67	1.29
	10	2.02	0.49	0.70
	11	1.16	0.25	0.50
	12	1.84	0.67	0.82
	13	1.49	0.21	0.46
	14	2.50	0.62	0.79
	15	1.04	0.22	0.47
	16	Duplicates	3.11	1.76
	29	Duplicates	0.00	0.00
	30	0.83	0.21	0.45
	31	1.94	0.27	0.52
	32	2.40	1.33	1.15
	33	1.03	0.55	0.74
	34	1.58	0.88	0.94
	35	1.43	0.36	0.60
	36	1.73	0.59	0.77
	37	Duplicates	1.08	1.04
	38	0.67	0.20	0.45
	39	1.64	0.52	0.72
	40	1.39	0.34	0.58
	41	1.23	0.17	0.41
	42	2.10	0.50	0.71
	43	2.01	0.50	0.71
Leslie	1	2.37	0.69	0.83
	2	2.51	1.12	1.06
	3	0.89	0.33	0.57
	4	1.99	0.45	0.67
	5	Duplicates	0.63	0.79
	6	1.81	0.48	0.69
	7	1.69	0.36	0.60
	8	10.74	3.15	1.77

Lake	Fish ID	Summary Specific EROD Activity (pmol/mg/min)	EROD Induction (Summary Specific EROD Activity/ External Negative Control)	EROD Induction (Square Root)
	9	1.76	0.60	0.78
	10	1.89	0.64	0.80
	11	1.15	0.59	0.77
	12	0.92	0.48	0.70
	14	2.50	0.92	0.96
	15	1.32	0.70	0.84
	16	1.40	0.32	0.56
	17	Duplicates	0.85	0.92
	18	1.81	0.58	0.76
	19	1.34	0.30	0.55
	21	0.67	0.21	0.46
	23	2.07	1.09	1.05
	24	1.02	0.35	0.59
	25	0.22	0.07	0.26
	26	Duplicates	0.50	0.71
	27	1.43	0.34	0.59
	28	3.12	1.06	1.03
	29	0.52	0.23	0.48
	30	1.38	0.65	0.80
	31	2.53	0.78	0.88
Moose	1	1.28	0.44	0.66
	2	1.21	0.44	0.66
	3	2.22	1.14	1.07
	4	Duplicates	0.41	0.64
	5	3.47	0.74	0.86
	6	1.55	0.50	0.71
	7	2.57	1.26	1.12
	8	1.69	0.83	0.91
	9	5.35	1.73	1.32
	10	1.58	0.22	0.47
	11	1.02	0.48	0.69

Lake	Fish ID	Summary Specific EROD Activity (pmol/mg/min)	EROD Induction (Summary Specific EROD Activity/ External Negative Control)	EROD Induction (Square Root)
	12	1.72	0.66	0.81
	13	1.53	0.49	0.70
	14	2.37	0.83	0.91
	15	0.79	0.40	0.63
	16	Duplicates	0.60	0.78
	17	1.49	0.36	0.60
	18	1.14	0.53	0.73
	19	0.92	0.21	0.45
	20	1.03	0.36	0.60
	22	1.62	0.83	0.91
	23	1.51	0.51	0.71
	24	3.14	1.19	1.09
	25	1.08	0.42	0.65
	26	1.11	0.36	0.60
	27	1.54	0.32	0.57
	28	1.77	0.57	0.76
	29	0.54	0.11	0.34
	30	Duplicates	0.59	0.77
Nema	1	0.80	0.41	0.64
	2	1.44	0.35	0.59
	3	Duplicates	0.38	0.61
	4	0.92	0.19	0.44
	5	0.97	0.51	0.72
	6	1.85	0.87	0.93
	7	2.04	0.64	0.80
	8	1.79	0.38	0.61
	9	1.58	0.42	0.65
	10	2.11	0.62	0.79
	11	2.81	1.48	1.22
	12	1.19	0.34	0.58
	13	1.46	0.36	0.60

Lake	Fish ID	Summary Specific EROD Activity (pmol/mg/min)	EROD Induction (Summary Specific EROD Activity/ External Negative Control)	EROD Induction (Square Root)
	14	0.54	0.30	0.55
	15	0.14	0.02	0.14
	16	1.06	0.31	0.56
	17	3.20	1.70	1.30
	18	Duplicates	0.85	0.92
	19	1.88	0.45	0.67
	20	0.82	0.42	0.65
	21	1.96	1.09	1.04
	22	2.07	0.97	0.99
	23	1.67	0.35	0.59
	24	0.93	0.27	0.52
	25	0.20	0.07	0.26
	26	Duplicates	0.51	0.71
	27	0.94	0.28	0.52
	28	1.11	0.29	0.54
	29	2.19	0.31	0.55
	30	3.03	1.05	1.02
Slipper	1	0.22	0.07	0.26
	2	0.79	0.20	0.44
	3	Duplicates	0.32	0.56
	4	1.18	0.28	0.53
	5	2.62	1.45	1.21
	6	1.25	0.46	0.68
	7	1.71	0.83	0.91
	8	0.50	0.14	0.38
	9	1.16	0.38	0.61
	10	1.46	0.75	0.87
	11	1.13	0.35	0.59
	12	0.39	0.22	0.46
	13	2.03	1.03	1.01
	14	0.32	0.04	0.21

Lake	Fish ID	Summary Specific EROD Activity (pmol/mg/min)	EROD Induction (Summary Specific EROD Activity/ External Negative Control)	EROD Induction (Square Root)
	15	1.35	0.50	0.71
	16	Duplicates	0.61	0.78
	17	0.65	0.34	0.58
	18	0.81	0.25	0.50
	19	1.34	0.45	0.67
	20	1.56	0.39	0.62
	21	1.91	0.66	0.81
	22	0.00	0.00	0.00
	23	0.63	0.18	0.43
	24	2.05	0.76	0.87
	25	3.11	0.75	0.87
	26	Duplicates	0.22	0.46
	27	0.14	0.07	0.27
	28	1.03	0.40	0.63
	29	1.00	0.51	0.71
	30	0.68	0.22	0.47
Cujo	1	1.17	0.25	0.50
	2	4.81	1.86	1.37
	3	Duplicates	0.25	0.50
	4	2.25	1.19	1.09
	5	3.36	1.03	1.02
	6	0.86	0.46	0.68
	7	1.18	0.27	0.52
	8	1.32	0.41	0.64
	9	3.34	1.72	1.31
	10	0.56	0.15	0.39
	11	1.55	0.59	0.77
	12	1.76	0.61	0.78
	13	0.70	0.26	0.51
	14	Duplicates	0.60	0.78
	15	4.73	1.36	1.17

Lake	Fish ID	Summary Specific EROD Activity (pmol/mg/min)	EROD Induction (Summary Specific EROD Activity/ External Negative Control)	EROD Induction (Square Root)
	16	1.69	0.64	0.80
	17	2.43	0.89	0.95
	18	0.55	0.17	0.41
	19	2.61	1.01	1.01
	20	1.77	0.44	0.66
	21	3.56	1.15	1.07
	22	1.20	0.37	0.61
	23	1.54	0.60	0.77
	24	0.61	0.29	0.54
	25	Duplicates	0.31	0.55
	26	1.42	0.72	0.85
	27	1.22	0.32	0.57
	28	2.61	1.01	1.01
	29	0.77	0.37	0.61
	30	1.82	0.66	0.81
Horseshoe	1	1.82	0.38	0.62
	2	3.07	1.44	1.20
	3	0.39	0.14	0.37
	4	3.46	1.12	1.06
	5	Duplicates	0.38	0.62
	6	1.42	0.64	0.80
	7	1.12	0.25	0.50
	8	1.09	0.32	0.56
	9	1.92	0.51	0.71
	10	1.66	0.88	0.94
	11	0.49	0.13	0.36
	12	1.91	0.66	0.81
	13	5.36	1.74	1.32
	14	Duplicates	0.44	0.67
	15	1.30	0.69	0.83
	16	11.75	1.64	1.28

Lake	Fish ID	Summary Specific EROD Activity (pmol/mg/min)	EROD Induction (Summary Specific EROD Activity/ External Negative Control)	EROD Induction (Square Root)
	17	1.27	0.46	0.68
	18	1.52	0.44	0.67
	19	1.33	0.70	0.84
	20	0.62	0.20	0.45
	21	0.86	0.27	0.52
	22	1.62	0.46	0.68
	23	0.58	0.32	0.57
	24	1.12	0.62	0.79
	25	Duplicates	0.27	0.52
	26	0.80	0.25	0.50
	27	0.22	0.08	0.28
	28	0.68	0.30	0.55
	29	2.55	0.36	0.60
	30	1.08	0.34	0.59
HWL2	1	0.92	0.32	0.57
	2	Duplicates	0.32	0.57
	3	2.43	0.79	0.89
	4	1.45	0.33	0.57
	5	4.18	1.96	1.40
	6	1.98	1.02	1.01
	7	1.68	0.58	0.76
	8	2.98	1.46	1.21
	9	0.73	0.18	0.42
	10	2.35	0.57	0.75
	11	Duplicates	0.39	0.62
	12	1.22	0.29	0.54
	13	1.11	0.38	0.62
	14	1.12	0.25	0.50
	15	1.66	0.40	0.63
	16	1.37	0.47	0.69
	18	0.73	0.34	0.58

Lake	Fish ID	Summary Specific EROD Activity (pmol/mg/min)	EROD Induction (Summary Specific EROD Activity/ External Negative Control)	EROD Induction (Square Root)
	19	1.26	0.31	0.56
	20	1.45	0.20	0.45
	21	0.20	0.06	0.25
	22	0.46	0.15	0.38
	23	0.11	0.02	0.15
	24	0.90	0.31	0.56
	25	1.16	0.40	0.63
	26	0.10	0.02	0.16
	27	Duplicates	0.07	0.27
	28	0.70	0.26	0.51
	30	0.43	0.15	0.38
Ross	1	0.79	0.25	0.50
	2	1.87	0.65	0.81
	3	1.73	0.39	0.62
	4	1.34	0.47	0.68
	5	0.60	0.08	0.29
	6	1.14	0.43	0.66
	7	Duplicates	0.30	0.55
	8	1.39	0.68	0.82
	9	0.99	0.26	0.51
	10	1.83	0.58	0.76
	11	0.53	0.27	0.52
	12	1.04	0.32	0.57
	13	Duplicates	1.04	1.02
	14	3.75	1.21	1.10
	15	1.86	0.71	0.84
	16	0.77	0.41	0.64
	17	1.33	0.49	0.70
	19	1.92	0.55	0.74
	20	2.31	0.58	0.76
	21	0.30	0.11	0.33

Lake	Fish ID	Summary Specific EROD Activity (pmol/mg/min)	EROD Induction (Summary Specific EROD Activity/ External Negative Control)	EROD Induction (Square Root)
	22	0.83	0.32	0.57
	23	1.06	0.34	0.59
	24	Duplicates	0.13	0.36
	25	0.27	0.09	0.29
	26	0.56	0.27	0.52
	27	0.56	0.18	0.42
	28	0.07	0.03	0.16
	29	0.45	0.24	0.49
	30	0.34	0.08	0.29
Logan	1	1.57	0.35	0.60
	2	1.81	0.45	0.67
	3	0.95	0.35	0.59
	4	1.46	0.74	0.86
	5	2.78	0.59	0.77
	6	2.26	1.06	1.03
	7	0.61	0.20	0.44
	8	1.21	0.54	0.74
	9	0.44	0.16	0.40
	10	0.24	0.13	0.36
	11	2.24	0.85	0.92
	12	0.74	0.27	0.52
	13	Duplicates	0.32	0.56
	14	Duplicates	0.18	0.42
	15	1.18	0.27	0.52
	16	1.02	0.54	0.73
	17	2.62	1.02	1.01
	18	1.74	0.68	0.82
	19	3.05	1.12	1.06
	20	1.72	0.88	0.94
	21	0.49	0.19	0.44
	23	1.68	0.42	0.65

Lake	Fish ID	Summary Specific EROD Activity (pmol/mg/min)	EROD Induction (Summary Specific EROD Activity/ External Negative Control)	EROD Induction (Square Root)
	24	Duplicates	0.83	0.91
	25	1.73	0.56	0.75
	26	0.69	0.20	0.45
	27	0.71	0.23	0.48
	28	0.47	0.16	0.40
	29	1.09	0.57	0.76
	30	1.09	0.35	0.59

Notes:

EROD = Ethoxyresorufin-O-deethylase, pmol/mg/min = picomole per milligram per minute;

Duplicates = when duplicate EROD activity was measured in one sample, the induction was calculated based on the sample-specific negative controls. A mean of the induction value was then calculated.

Table 3.8-14 Summary of Slimy Sculpin Liver EROD Activity and Induction in AEMP Lakes, 2024

Lake	Specific Activity (pmol/mg/min)						EROD Induction (Specific Activity / External Negative Control)					Standardized EROD Induction (Square Root)				
	n	Mean	SD	SE	Min	Max	Mean	SD	SE	Min	Max	Mean	SD	SE	Min	Max
Nanuq	31	1.55	1.09	0.20	0.19	6.17	0.56	0.44	0.08	0.07	2.39	0.71	0.26	0.05	0.26	1.55
Counts	31	1.45	1.29	0.23	0.02	4.64	0.52	0.56	0.10	0.01	2.58	0.63	0.36	0.06	0.08	1.61
Vulture	29	1.31	0.97	0.18	0.02	3.65	0.43	0.33	0.06	0.01	1.05	0.59	0.29	0.05	0.07	1.03
Northeast	31	1.85	1.28	0.23	0.16	5.55	0.65	0.47	0.08	0.04	2.15	0.75	0.28	0.05	0.20	1.47
Kodiak	34	2.11	1.84	0.32	0.46	9.25	0.80	0.78	0.13	0.00	3.24	0.81	0.38	0.07	0.00	1.80
Leslie	31	1.96	1.77	0.32	0.22	10.74	0.66	0.51	0.09	0.07	3.15	0.77	0.25	0.05	0.26	1.77
Moose	32	1.68	0.92	0.16	0.54	5.35	0.59	0.33	0.06	0.11	1.73	0.74	0.20	0.04	0.34	1.32
Nema	33	1.51	0.75	0.13	0.14	3.20	0.55	0.38	0.07	0.02	1.70	0.70	0.24	0.04	0.14	1.30
Slipper	33	1.12	0.71	0.12	0.00	3.11	0.42	0.32	0.06	0.00	1.45	0.60	0.25	0.04	0.00	1.21
Cujo	33	1.77	1.13	0.20	0.33	4.81	0.62	0.43	0.07	0.15	1.86	0.75	0.25	0.04	0.39	1.37
Horseshoe	33	1.71	2.08	0.36	0.22	11.75	0.52	0.40	0.07	0.08	1.74	0.68	0.25	0.04	0.28	1.32
HWL2	31	1.20	0.90	0.16	0.10	4.18	0.40	0.40	0.07	0.02	1.96	0.57	0.27	0.05	0.15	1.40
Ross	32	1.17	0.87	0.15	0.07	3.75	0.41	0.31	0.05	0.03	1.21	0.60	0.24	0.04	0.16	1.10
Logan	32	1.33	0.75	0.13	0.09	3.05	0.48	0.30	0.05	0.03	1.12	0.66	0.22	0.04	0.17	1.06

Notes:

EROD = Ethoxyresorufin-o-deethylase; max = maximum value; min = minimum value; n = sample size; SD = standard deviation; pmol/mg/min = picomole per milligram per minute; SE = standard error

Table 3.8-15 Slimy Sculpin Whole Body Tissue Metal and Nutrient Concentrations for AEMP Lakes, 2024

Lake	Nanuq										Counts									
Fish ID	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
Date Sampled	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**13-Aug-24**	**13-Aug-24**	**13-Aug-24**	**13-Aug-24**	**13-Aug-24**	**13-Aug-24**	**13-Aug-24**	**13-Aug-24**	**13-Aug-24**	**13-Aug-24**
Lab Sample ID	**CWD908**	**CWD915**	**CWD916**	**CWD917**	**CWD918**	**CWD919**	**CWD920**	**CWD921**	**CWD922**	**CWD923**	**CWD730**	**CWD731**	**CWD732**	**CWD733**	**CWD734**	**CWD735**	**CWD736**	**CWD737**	**CWD738**	**CWD739**
Physical Tests																				
% Moisture	73	73	72	75	70	71	71	72	75	71	75	72	74	73	73	73	77	73	73	73
Total Metals and Nutrients*																				
Aluminum	1.93	2.06	1.36	0.87	2.31	1.5	4.75	6.24	28.5	3.16	1.4	1.19	2.32	5.63	1.02	2.96	0.51	1.48	1.97	1.39
Antimony	<0.0020	<0.0020	0.0026	<0.0020	0.0021	0.0049	0.0092	0.0034	0.0028	0.0023	0.0428	0.0419	0.0353	0.0343	0.0285	0.0316	0.0382	0.0277	0.0363	0.0484
Arsenic	0.0142	0.0136	0.0209	0.0106	0.0106	0.0236	0.0247	0.0239	0.0171	0.0191	0.117	0.166	0.15	0.182	0.102	0.113	0.107	0.134	0.119	0.159
Barium	2.01	1.88	3.82	2.04	1.98	2.37	4.56	3.52	2.09	4.29	1.57	4.6	5.53	5.71	3.41	7.41	2.08	4.82	8.42	6.53
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0847	0.0791	0.0569	0.0681	0.0546	0.0573	0.0702	0.0513	0.0675	0.0922
Bismuth	0.0038	0.0026	0.0013	0.0033	<0.0013	<0.0013	0.0061	<0.0013	<0.0013	<0.0013	0.0445	0.0426	0.0341	0.0356	0.0309	0.0332	0.0439	0.0278	0.037	0.0443
Boron	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium	0.0052	0.0035	0.002	<0.0013	0.004	0.0034	0.0071	0.0079	0.0031	0.0086	0.0231	0.0256	0.0197	0.0222	0.0161	0.019	0.0201	0.0159	0.0235	0.0264
Calcium	6,550	5,360	3,380	3,300	4,620	5,320	10,400	9,880	4,240	10,200	4,010	11,200	13,200	13,100	6,000	18,600	2,330	9,790	17,200	14,700
Cesium	0.0163	0.0082	0.0098	0.0072	0.0074	0.0162	0.0149	0.0161	0.0145	0.0146	0.0108	0.0095	0.0092	0.0068	0.0054	0.0078	0.015	0.0086	0.0086	0.0072
Chromium	0.063	0.049	0.039	<0.025	<0.025	0.027	0.271	0.04	0.062	0.033	0.211	0.22	0.165	0.183	0.137	0.144	0.175	0.133	0.175	0.217
Cobalt	0.0377	0.0134	0.0163	0.0092	0.0126	0.0212	0.0225	0.0283	0.0259	0.0217	0.0529	0.0683	0.0597	0.0715	0.0405	0.056	0.053	0.0726	0.0695	0.0959
Copper	0.537	0.258	0.329	0.192	0.237	0.385	0.784	0.474	0.366	0.444	0.64	0.646	0.615	0.775	0.536	0.64	0.61	0.658	0.832	0.778
Iron	10.5	6.41	4.62	3.26	3.43	9.44	9.79	12.9	6.33	12.7	6.95	10.5	17.9	30.6	5.46	29.2	8.07	16	21.2	17.2
Lead	0.0044	0.0035	0.0032	0.0022	0.0028	0.0047	0.0154	0.0079	0.0048	0.0073	0.0493	0.0423	0.033	0.0393	0.0317	0.0336	0.0371	0.0285	0.0373	0.0456
Lithium	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.2	0.2	0.16	0.17	0.14	0.15	0.16	0.13	0.19	0.23
Magnesium	318	182	195	169	175	268	352	361	192	330	283	296	372	421	344	440	248	340	364	379
Mercury	0.064	0.0441	0.0152	0.04	0.0337	0.544	0.0179	<0.0403	<0.017	0.0176	0.0419	0.0314	0.029	0.0219	0.0138	0.0242	0.0536	0.0398	0.0353	0.0247
Molybdenum	<0.0080	0.0083	<0.0080	<0.0080	<0.0080	<0.0080	0.0178	0.0082	<0.0080	0.016	0.0469	0.0474	0.0419	0.0576	0.0384	0.0354	0.0433	0.0423	0.0448	0.07
Nickel	0.038	0.035	0.037	0.025	0.038	0.042	0.078	0.049	0.063	0.054	0.238	0.274	0.197	0.226	0.159	0.185	0.218	0.181	0.214	0.273
Phosphorus	5,150	4,010	3,180	3,020	3,850	4,420	7,380	7,100	3,600	7,170	3,960	7,520	9,120	9,090	5,010	12,100	2,860	7,000	11,000	9,840
Potassium	3,570	1,770	2,140	1,850	1,700	2,490	3,300	2,970	2,170	2,450	3,290	2,770	3,050	3,110	3,280	2,760	3,040	3,160	2,920	2,780
Rubidium	5.81	3.34	2.88	2.19	1.92	5.52	3.65	4	2.59	2.65	4.53	4.12	3.76	4	2.17	2.37	3.18	3.83	4.24	3.1
Selenium	0.197	0.151	0.148	0.107	0.115	0.202	0.279	0.193	0.224	0.2	0.35	0.389	0.361	0.349	0.266	0.29	0.341	0.288	0.332	0.399
(Dry wt) Selenium	0.734	0.564	0.53	0.426	0.38	0.689	0.959	0.693	0.693	0.685	1.42	1.4	1.37	1.27	0.988	1.08	1.48	1.05	1.22	1.45
Silver	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0027	0.0016	<0.0013	0.0016	0.282	0.279	0.217	0.238	0.19	0.203	0.25	0.182	0.238	0.319
Sodium	1,010	584	555	496	473	698	967	824	656	804	914	1,020	1,090	984	769	1,150	847	1,050	1,300	1,100

Lake	Nanuq										Counts									
Fish ID	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
Date Sampled	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24
Lab Sample ID	CWD908	CWD915	CWD916	CWD917	CWD918	CWD919	CWD920	CWD921	CWD922	CWD923	CWD730	CWD731	CWD732	CWD733	CWD734	CWD735	CWD736	CWD737	CWD738	CWD739
Strontium	16.1	13.4	11.9	10.2	13.6	15.8	32.1	30.4	13	30.1	12.3	36.3	49.7	48.1	22.4	63.5	7.35	33.2	57.4	58.2
Tellurium	-	-	-	-	-	-	-	-	-	-	0.127	0.142	0.111	0.103	0.084	0.0714	0.0995	0.076	0.102	0.135
Thallium	0.00448	0.00323	0.00407	0.0015	0.00255	0.0032	0.00238	0.00342	0.00266	0.0031	0.0223	0.0229	0.0175	0.019	0.0159	0.0161	0.0199	0.0157	0.018	0.0255
Tin	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Titanium	0.2	<0.13	0.18	<0.13	0.17	0.16	0.38	0.42	0.17	0.36	0.49	0.81	0.92	1.04	0.48	1.21	0.32	0.77	1.08	1
Uranium	0.00539	0.00746	0.0025	0.00283	0.00434	0.00455	0.0124	0.0136	0.00768	0.00541	0.0225	0.0286	0.0203	0.0286	0.0146	0.0247	0.0179	0.0196	0.0274	0.0302
Vanadium	0.043	0.032	<0.020	<0.020	<0.020	0.026	<0.020	0.05	<0.020	<0.020	<0.020	0.036	0.022	0.034	<0.020	0.056	0.025	0.026	0.048	0.036
Zinc	16.1	12	10.6	8.05	8.34	15.7	27	19.5	11.7	22.8	15.8	21	25.3	27	12.9	19.4	21.7	23.2	28.6	30.6
Zirconium	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	-	-	-	-	-	-	-	-	-	-

Lake	Vulture										Kodiak									
Fish ID	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
Date Sampled	09-Aug-24	09-Aug-24	09-Aug-24	09-Aug-24	09-Aug-24	09-Aug-24	09-Aug-24	10-Aug-24	10-Aug-24	10-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24
Lab Sample ID	CWD974	CWD975	CWD976	CWD977	CWD978	CWD979	CWD980	CWD981	CWD982	CWD983	CWD801	CWD802	CWD803	CWD804	CWD805	CWD806	CWD807	CWD808	CWD809	CWD810
Physical Tests																				
% Moisture	70	71	68	69	71	71	70	76	71	71	78	76	74	75	75	67	73	76	73	75
Total Metals and Nutrients*																				
Aluminum	3.24	4.74	4.51	2.7	1.58	2.3	2.12	2.71	3.32	2.62	3.56	2.29	<0.50	1.04	1.28	<0.50	1.89	0.73	3.04	<0.50
Antimony	<0.0020	0.0059	0.0086	0.0045	<0.0020	<0.0020	0.0022	0.0024	0.0021	<0.0020	0.0029	0.0031	0.0025	0.0023	0.0027	0.0027	0.0029	0.0116	0.0039	0.0035
Arsenic	0.055	0.0471	0.0285	0.0427	0.0447	0.0693	0.021	0.0143	0.0274	0.0226	<0.0050	<0.0050	0.0077	0.0061	0.0148	0.0053	0.0097	0.0082	0.0135	0.0087
Barium	4.43	6.44	8.58	13.7	3.84	9.83	13.7	9.23	6.4	13.2	0.403	1.44	4.57	2.58	2.09	1.18	10.5	2.54	7.27	2.77
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Bismuth	0.0097	0.0121	0.0189	0.0104	0.007	0.0051	0.0069	0.0117	0.0088	0.0024	0.0025	0.0017	0.0016	0.0021	0.0017	0.0017	0.002	<0.0013	<0.0013	0.0015
Boron	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium	0.0036	0.0038	0.004	0.0117	0.0028	0.0079	0.0105	0.0122	0.0106	0.0108	0.0022	0.0036	0.0022	0.0022	0.002	0.002	0.0054	0.0027	0.0057	0.0033
Calcium	4,580	7,550	13,000	18,200	5,530	14,400	18,500	14,600	8,580	15,200	564	2,500	8,780	4,810	1,920	2,370	17,600	3,430	9,770	5,720
Cesium	0.0303	0.0244	0.0345	0.0317	0.024	0.0182	0.022	0.1	0.0409	0.0411	0.0051	0.0083	0.008	0.0073	0.0121	0.0055	0.0116	0.007	0.0107	0.0079
Chromium	0.136	0.091	0.392	<0.025	0.036	0.026	<0.025	<0.025	0.048	<0.025	0.034	0.057	0.032	<0.025	0.028	0.059	0.087	0.063	0.031	0.044
Cobalt	0.0163	0.0146	0.0152	0.0291	0.0269	0.027	0.0155	0.033	0.0172	0.027	0.0071	0.009	0.01	0.0159	0.0202	0.0069	0.0208	0.0138	0.0196	0.0273
Copper	0.514	0.672	0.46	0.793	0.492	0.496	0.575	0.605	0.624	0.513	0.281	0.358	0.357	0.486	0.331	0.315	0.632	0.403	0.418	0.311

Lake	Vulture										Kodiak									
Fish ID	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
Date Sampled	09-Aug-24	09-Aug-24	09-Aug-24	09-Aug-24	09-Aug-24	09-Aug-24	09-Aug-24	10-Aug-24	10-Aug-24	10-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24
Lab Sample ID	CWD974	CWD975	CWD976	CWD977	CWD978	CWD979	CWD980	CWD981	CWD982	CWD983	CWD801	CWD802	CWD803	CWD804	CWD805	CWD806	CWD807	CWD808	CWD809	CWD810
Iron	9.72	14.9	18.2	31	7.4	20.6	14.7	15.3	20.8	12.3	4.47	3.92	15.2	6.33	6.96	6.52	26.6	12.7	11.9	6.19
Lead	0.0256	0.0325	0.0206	0.0258	0.0084	0.0148	0.0175	0.0469	0.0263	0.0204	0.008	0.0069	0.0067	0.0056	0.0099	0.0103	0.018	0.025	0.0105	0.0048
Lithium	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	285	347	483	497	342	419	392	372	327	468	126	174	226	217	200	158	421	185	201	209
Manganese	2.88	4.91	7.48	19.6	10.4	14.1	10.3	10.1	3.87	17.5	0.341	1.08	2.72	1.18	1.57	0.75	5.56	1.44	2.76	6.73
Mercury	0.0372	0.0328	0.0292	0.0123	0.0118	0.0581	0.0309	0.0506	0.0334	0.0149	0.0797	0.0891	0.067	0.0609	0.142	0.109	0.0358	0.0985	0.0706	0.0513
Molybdenum	0.0093	0.1049	0.0163	0.0205	<0.0080	<0.0080	0.0142	0.0117	0.0088	0.0087	<0.0080	<0.0080	0.01	<0.0080	0.0163	<0.0080	0.0159	0.0123	0.0114	<0.0080
Nickel	0.061	0.062	0.063	0.076	0.056	0.072	0.061	0.125	0.057	0.08	0.055	0.076	0.065	0.068	0.108	0.059	0.121	0.088	0.11	0.09
Phosphorus	4,100	5,800	8,730	11,300	4,810	9,250	11,100	8,530	6,050	10,200	1,420	2,640	6,040	3,990	2,470	2,460	10,900	3,180	6,310	4,330
Potassium	3,390	3,420	2,980	3,380	3,310	2,960	3,030	2,650	3,180	3,250	2,030	2,290	2,080	2,460	2,590	2,000	3,250	2,450	1,970	2,130
Rubidium	5.22	4.01	2.84	3.91	5.16	4.4	2.52	4.43	4.02	2.83	1.79	2.08	1.96	1.64	1.9	1.13	3.23	1.68	1.09	2.08
Selenium	0.163	0.184	0.233	0.274	0.32	0.164	0.212	0.254	0.203	0.245	0.104	0.134	0.132	0.107	0.136	0.134	0.23	0.124	0.088	0.138
(Dry wt) Selenium	0.545	0.633	0.718	0.888	1.11	0.56	0.703	1.07	0.706	0.84	0.48	0.565	0.499	0.429	0.543	0.407	0.864	0.51	0.32	0.552
Silver	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0013	0.0015	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
Sodium	897	769	970	1,070	919	1,010	935	1,100	956	958	578	571	718	781	609	557	1,260	764	808	739
Strontium	16.5	29.1	42.3	64	19.3	52.9	68.7	41.3	28.8	54.3	1.57	7.85	26.3	15.6	5.75	6.7	58.2	11.4	29	14.8
Tellurium	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	0.0067	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Thallium	0.00167	0.00347	0.00225	0.00442	0.00294	0.00225	0.00275	0.005	0.0032	0.00928	0.00162	0.00423	0.0037	0.00385	0.00578	0.00258	0.00375	0.00196	0.00391	0.00402
Tin	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.02	<0.020	<0.020
Titanium	0.19	0.38	0.52	0.41	0.19	0.31	0.37	0.3	0.24	0.3	<0.13	<0.13	0.22	0.22	0.15	<0.13	0.47	0.18	0.28	0.19
Uranium	0.00123	<0.00040	0.00366	0.016	0.00371	0.0137	0.0146	0.0172	0.00238	0.0124	0.00077	0.00211	0.00536	0.0023	0.00367	0.00255	0.00906	0.00309	0.00442	0.00419
Vanadium	<0.020	<0.020	0.028	0.069	<0.020	0.138	0.031	0.072	<0.020	0.028	<0.020	<0.020	0.064	<0.020	<0.020	0.022	0.115	<0.020	0.082	0.034
Zinc	15.3	23.8	27.2	36.1	22.3	23.5	27.9	38.8	28.6	26.1	8.33	10.1	10.1	15.4	16.5	12.2	25.4	11.5	20.5	12.9
Zirconium	<0.040	0.046	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040

Lake	Leslie																			
Fish ID	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**
Date Sampled	**14-Aug-24**	**14-Aug-24**	**18-Aug-24**	**18-Aug-24**	**18-Aug-24**	**18-Aug-24**	**18-Aug-24**	**20-Aug-24**	**20-Aug-24**	**20-Aug-24**	**20-Aug-24**	**21-Aug-24**	**21-Aug-24**	**21-Aug-24**	**21-Aug-24**	**21-Aug-24**	**21-Aug-24**	**21-Aug-24**	**21-Aug-24**	**21-Aug-24**
Lab Sample ID	**CWD811**	**CWD812**	**CWD813**	**CWD814**	**CWD815**	**CWD852**	**CWD853**	**CWD854**	**CWD855**	**CWD856**	**CWD857**	**CWD858**	**CWD859**	**CWD860**	**CWD861**	**CWD862**	**CWD863**	**CWD864**	**CWD865**	**CWD866**
Physical Tests																				
% Moisture	73	70	74	73	74	71	73	71	72	71	75	74	76	73	76	79	79	76	71	73
Total Metals and Nutrients*																				
Aluminum	2.05	1.48	0.76	<0.50	1.98	<0.50	44.2	0.83	1.33	0.88	1.46	1.11	2.01	0.69	1.84	<0.50	0.76	1.71	1.39	0.79
Antimony	0.0097	0.0084	0.0058	0.006	0.0062	0.0042	0.0023	0.0027	0.007	0.0064	0.003	0.0034	0.0066	0.0028	0.0035	<0.0020	0.0022	0.0031	0.0038	0.0024
Arsenic	0.0203	0.0211	0.0139	0.0156	0.0091	0.0237	0.0186	0.0172	0.0163	0.0254	0.0173	0.0088	0.0269	0.0139	0.0311	<0.0050	0.0071	0.0171	0.0126	0.0128
Barium	3.76	2.29	1.57	0.691	0.994	1.85	2.92	1.14	2.48	2.44	1.25	2.19	3.65	0.887	6.37	0.048	0.844	2.53	6.67	0.88
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Bismuth	<0.0013	<0.0013	0.0014	0.002	<0.0013	<0.0013	<0.0013	0.0014	<0.0013	0.0014	0.0018	<0.0013	0.0024	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0023
Boron	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium	0.0062	0.0023	0.0045	0.0023	0.0013	0.0035	0.0046	0.0077	0.0044	0.0038	0.0054	0.0053	0.0059	0.0023	0.0045	0.0022	0.0015	0.0048	0.0053	0.0018
Calcium	16,500	6,880	7,910	4,320	4,620	4,860	9,710	3,320	11,000	12,400	6,730	7,410	17,300	3,480	19,800	332	3,450	12,400	20,100	3,780
Cesium	0.0111	0.007	0.0131	0.0084	0.0167	0.0118	0.01	0.0339	0.0116	0.0087	0.0143	0.0098	0.0114	0.0097	0.0123	0.0114	0.014	0.0147	0.0119	0.0062
Chromium	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.027	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Cobalt	0.0305	0.0121	0.0109	0.0114	0.0049	0.0103	0.0272	0.0191	0.0225	0.0225	0.0228	0.0116	0.0423	0.0172	0.0447	0.0171	0.0157	0.03	0.03	0.0157
Copper	0.555	0.466	0.397	0.347	0.27	0.329	0.435	0.493	0.411	0.475	0.411	0.427	2.9	0.326	0.586	0.412	0.417	0.533	0.587	0.405
Iron	15.6	6.08	8.53	6.22	2.76	5.97	9.46	4.8	7.43	10.7	10.9	5.64	12	2.68	13.4	3.72	2.83	7.6	8.62	3.65
Lead	0.023	0.0105	0.0124	0.0041	0.0035	0.0049	0.0043	0.0098	0.007	0.0074	0.0257	0.0074	0.0112	0.002	0.0039	0.0013	0.0017	0.0033	0.0078	0.0029
Lithium	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	348	241	237	242	207	220	335	238	330	410	280	234	504	253	499	204	268	437	394	312
Manganese	10.7	2.88	4.63	2.65	2.67	4.04	11.2	5.06	7.85	6.76	3.83	4.36	9.68	3.56	24.5	0.281	2.52	5.99	17.9	2.27
Mercury	0.0411	0.0851	0.0917	0.0695	0.115	0.092	0.0703	0.118	0.0615	0.0548	0.0956	0.071	0.0647	0.0787	0.0456	0.0732	0.103	0.141	0.0235	0.0464
Molybdenum	0.0734	0.0286	0.0629	0.0567	0.0284	0.0344	0.0538	0.0279	0.0671	0.1	0.0698	0.0234	0.128	0.0242	0.142	0.0181	0.023	0.0502	0.035	0.0361
Nickel	0.108	0.111	0.629	0.049	0.039	0.082	0.077	0.099	0.062	0.064	0.092	0.054	0.156	0.041	0.105	0.065	0.056	0.128	0.093	0.1
Phosphorus	10,300	5,060	5,670	3,790	3,910	3,990	6,780	3,410	7,490	8,710	5,110	5,370	11,500	3,540	12,900	1,770	3,640	8,700	11,800	3,900
Potassium	2,470	2,320	2,390	2,650	2,090	2,390	2,470	2,690	2,430	3,000	2,310	2,180	3,720	2,440	3,070	2,740	2,790	3,150	2,620	2,890
Rubidium	3.65	3.09	3.59	3.75	3.49	3.56	4.27	3.91	4.48	4.5	4.03	3.36	5.2	3.22	4.25	4.6	4.67	4.91	3.76	4.98
Selenium	1.06	0.798	1.22	2.09	1.21	1.33	1.84	1.46	1.34	1.87	1.92	1.15	2.97	1.5	1.78	2.2	1.57	1.7	1.65	2.26
(Dry wt) Selenium	3.87	2.62	4.72	7.6	4.55	4.58	6.72	5	4.77	6.54	7.71	4.38	12.4	5.46	7.34	10.5	7.3	7.1	5.74	8.31
Silver	0.0026	0.0014	<0.0013	<0.0013	<0.0013	<0.0013	0.002	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
Sodium	1,060	814	829	855	611	757	923	893	895	1,100	885	867	1,440	773	1,420	793	765	1,280	1,150	771

Lake	Leslie																			
Fish ID	1	2	3	4	5	6	7	8	9	10	21	22	23	24	25	26	27	28	29	30
Date Sampled	14-Aug-24	14-Aug-24	18-Aug-24	18-Aug-24	18-Aug-24	18-Aug-24	18-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24
Lab Sample ID	CWD811	CWD812	CWD813	CWD814	CWD815	CWD852	CWD853	CWD854	CWD855	CWD856	CWD857	CWD858	CWD859	CWD860	CWD861	CWD862	CWD863	CWD864	CWD865	CWD866
Strontium	89.2	34.9	40.3	21.6	23.3	26.7	56.5	17.2	60.7	69.8	32.4	44	90.2	17.7	109	1.26	16.9	61.2	122	18
Tellurium	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Thallium	0.016	0.00482	0.00151	0.00374	0.00196	0.00117	0.00549	0.00277	0.00506	0.00617	0.00716	0.00342	0.00894	0.00973	0.0149	0.00684	0.00917	0.0119	0.00876	0.00637
Tin	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.055	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Titanium	0.39	0.23	0.23	0.17	0.18	0.17	0.77	0.41	0.88	0.96	0.65	0.59	1.31	0.48	1.55	0.2	0.42	1.02	1.44	0.45
Uranium	0.0192	0.00735	0.00611	0.00276	0.00408	0.00431	0.00318	0.00188	0.00559	0.00694	0.00663	0.00361	0.0117	0.00072	0.00503	<0.00040	0.00206	0.0137	0.00319	0.00484
Vanadium	0.16	0.103	0.088	0.097	0.052	0.064	0.106	0.036	0.072	0.118	0.108	0.059	0.39	0.048	0.289	<0.020	0.062	0.163	0.197	0.09
Zinc	22.6	12.8	16	10.9	6.12	9.3	21.4	14.6	22.4	23.6	14.3	12.2	32.2	15.1	33.4	6.86	10.6	32.5	20.2	15.5
Zirconium	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040

Lake	Moose																			
Fish ID	1	2	3	4	5	6	7	8	9	10	21	22	23	24	25	26	27	28	29	30
Date Sampled	21-Aug-24	21-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24
Lab Sample ID	CWD888	CWD889	CWD890	CWD891	CWD892	CWD893	CWD894	CWD895	CWD896	CWD897	CWD898	CWD899	CWD900	CWD901	CWD902	CWD903	CWD904	CWD905	CWD906	CWD907
Physical Tests																				
% Moisture	73	74	80	79	74	75	74	73	72	70	75	74	71	75	72	74	76	73	71	71
Total Metals and Nutrients*																				
Aluminum	1.86	1.04	1.29	1.87	0.82	0.99	2.15	0.77	2.08	<0.50	2.25	0.66	1.24	0.87	0.88	1.54	4.53	2.29	3.23	1.97
Antimony	<0.0020	<0.0020	<0.0020	0.0035	0.0028	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0068	0.0023	0.0041	0.0024	0.0035	0.0021	<0.0020	<0.0020	<0.0020
Arsenic	0.0052	0.0101	0.0079	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0208	0.0114	0.0125	<0.0050	0.0084	0.0148	0.0112	0.0073	0.0068	<0.0050	0.0084	<0.0050
Barium	4.93	3.43	2.65	0.683	2.24	1.43	2.24	1.77	5.44	0.631	2.03	2.03	3.23	1.55	2.64	2.45	1.26	1.85	2.08	0.601
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Bismuth	<0.0013	<0.0013	0.0022	0.0022	0.0015	0.0019	<0.0013	0.0014	<0.0013	<0.0013	0.0057	0.0019	0.0042	0.0017	0.002	0.0172	0.0024	0.0025	0.002	0.0031
Boron	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium	0.0044	0.0023	0.0033	<0.0013	0.0018	0.0042	0.0035	<0.0013	0.0071	0.0023	0.0024	0.0019	0.0025	0.0015	0.0027	0.002	<0.0013	0.0014	0.0028	<0.0013
Calcium	11,300	9,070	7,550	2,500	8,010	4,290	6,990	6,020	13,300	1,510	7,850	7,960	13,100	8,150	7,940	11,200	4,740	5,480	8,230	2,560
Cesium	0.0053	0.011	0.0153	0.009	0.0069	0.0045	0.0061	0.006	0.0072	0.009	0.0044	0.0041	0.0113	0.0046	0.007	0.0069	0.0051	0.0027	0.0051	0.0016
Chromium	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.037
Cobalt	0.0156	0.0131	0.0164	0.0133	0.0216	0.0108	0.014	0.0107	0.0265	0.0103	0.0193	0.0109	0.0179	0.0115	0.0114	0.0162	0.0083	0.0035	0.0072	0.0034
Copper	0.481	0.451	0.422	0.501	0.291	0.341	0.254	0.26	0.961	0.278	0.36	0.301	0.54	0.447	0.368	0.762	0.338	0.179	0.433	0.299
Iron	8.22	7.47	5.92	4.33	7.42	3.66	7.63	3.56	14.7	3.36	8.45	6.47	8.57	8.45	8.47	7.2	8.59	3.07	7.62	3.44

Lake	Moose																			
Fish ID	1	2	3	4	5	6	7	8	9	10	21	22	23	24	25	26	27	28	29	30
Date Sampled	21-Aug-24	21-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24
Lab Sample ID	CWD888	CWD889	CWD890	CWD891	CWD892	CWD893	CWD894	CWD895	CWD896	CWD897	CWD898	CWD899	CWD900	CWD901	CWD902	CWD903	CWD904	CWD905	CWD906	CWD907
Lead	0.0029	0.0021	0.0106	0.0059	0.0045	0.0038	0.0071	0.0032	0.0078	0.004	0.0033	0.0021	0.0042	0.0043	0.0031	0.0088	0.0046	0.0027	0.0025	0.0057
Lithium	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	354	288	358	274	275	198	236	232	375	201	254	265	419	327	276	296	224	141	215	116
Manganese	8.66	6.07	3.45	1.18	4.84	1.89	2.75	2.41	13.3	1.3	9.55	3.79	7.41	3.28	8.28	4.69	2.13	2.9	3.44	0.999
Mercury	0.0381	0.0622	0.0850 (2)	0.0524	0.057	0.0621	0.0611	0.0649	0.0701	0.0855	0.0909	0.0607	0.0659	0.0152	0.0835	0.0374	0.06	0.0585	0.083	0.0589
Molybdenum	0.0172	0.0248	0.0133	0.0177	0.0236	0.0141	0.0303	0.0145	0.0459	0.0198	0.036	0.0283	0.0534	0.0575	0.0326	0.038	0.0262	0.0166	0.0217	0.0197
Nickel	0.042	0.036	0.057	0.049	0.06	0.026	0.049	0.035	0.08	0.026	0.051	0.037	0.036	0.041	0.045	0.056	0.048	0.024	0.027	0.026
Phosphorus	7,830	6,530	5,920	3,230	5,540	3,500	5,030	4,470	8,940	2,040	5,640	5,610	9,050	6,240	5,940	7,130	3,910	3,950	5,740	2,260
Potassium	2,820	2,490	3,010	2,980	1,900	1,790	1,720	1,870	2,890	2,150	2,500	1,920	2,690	2,910	2,370	2,230	2,170	1,180	1,550	1,190
Rubidium	1.68	3.77	4.54	3.17	1.87	1.46	1.74	1.96	1.82	3.14	2.66	2.16	4.09	3.78	2.69	3.48	3.17	1.3	1.66	1.2
Selenium	0.347	0.726	0.569	0.831	0.54	0.27	0.348	0.503	0.523	0.364	0.564	0.523	0.663	0.984	0.666	0.742	0.782	0.298	0.387	0.33
(Dry wt) Selenium	1.31	2.79	2.79	3.97	2.04	1.09	1.31	1.84	1.83	1.21	2.25	2	2.3	3.88	2.4	2.82	3.19	1.09	1.35	1.14
Silver	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0015	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0023	<0.0013	<0.0013	<0.0013
Sodium	988	894	936	789	720	597	678	601	1,150	645	904	747	1,060	973	974	925	749	482	668	363
Strontium	52	45	27.3	10	34.6	18.1	37.4	27	65.7	6.46	38.7	44.3	69.2	42.9	45.5	61.6	24.7	29.1	42.3	12.7
Tellurium	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	-	-	-	-
Thallium	0.00353	0.00237	0.00535	0.00316	0.00464	0.00378	0.00271	0.00212	0.00372	0.00224	0.00174	0.00372	0.0086	0.00102	0.0042	0.00282	0.00271	0.00198	0.00711	0.00284
Tin	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Titanium	0.84	0.67	0.68	0.36	0.64	0.44	0.72	0.52	1.14	0.27	0.66	0.64	0.99	0.71	0.74	0.84	0.28	0.14	0.21	<0.13
Uranium	0.00283	0.00696	0.00408	0.00308	0.00507	0.00185	0.00223	0.00365	0.00621	0.00065	0.00609	0.00863	0.00484	0.00406	0.00292	0.00587	0.00618	0.00502	0.00112	0.0017
Vanadium	0.066	0.089	0.045	0.025	0.066	<0.020	0.034	0.037	0.105	<0.020	0.073	0.05	0.089	0.075	0.038	0.122	0.048	0.036	0.037	<0.020
Zinc	21.7	23.7	22.2	14.6	13.9	11.7	12.7	11.1	27.2	16	18.7	14.9	28.6	17.5	20.8	19.7	12	5.85	12.5	5.82
Zirconium	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040

Lake	Nema																			
Fish ID	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**
Date Sampled	**02-Sep-24**	**02-Sep-24**	**02-Sep-24**	**02-Sep-24**	**02-Sep-24**	**02-Sep-24**	**02-Sep-24**	**02-Sep-24**	**02-Sep-24**	**09-Sep-24**	**10-Sep-24**	**10-Sep-24**	**10-Sep-24**	**10-Sep-24**	**11-Sep-24**	**12-Sep-24**	**12-Sep-24**	**12-Sep-24**	**12-Sep-24**	**12-Sep-24**
Lab Sample ID	**CWD934**	**CWD935**	**CWD936**	**CWD937**	**CWD938**	**CWD939**	**CWD940**	**CWD941**	**CWD942**	**CWD943**	**CWD944**	**CWD945**	**CWD946**	**CWD947**	**CWD948**	**CWD949**	**CWD950**	**CWD951**	**CWD952**	**CWD953**
Physical Tests																				
% Moisture	77	73	78	74	78	74	74	73	72	67	73	73	74	72	75	74	73	70	69	76
Total Metals and Nutrients*																				
Total Aluminum	<0.50	1.4	1.01	2.72	0.79	3.04	1.31	3.52	2.16	0.71	0.87	3.98	0.68	1.46	0.99	2	0.96	2.33	0.99	2.15
Total Antimony	0.0024	0.0025	<0.0020	0.0045	<0.0020	0.0045	0.0022	0.0035	0.0036	0.0065	0.0027	0.0044	0.0063	0.0043	0.0029	0.0026	<0.0020	0.0035	<0.0020	<0.0020
Arsenic	0.0066	0.0143	0.0158	0.0136	0.0182	0.0269	0.0104	0.0148	0.0126	0.0147	0.0297	0.0093	0.013	0.0113	0.007	0.0098	0.013	0.0222	0.0113	<0.0050
Barium	0.175	2.94	0.641	3.7	0.268	3.05	2.39	3.9	1.16	3.97	3.69	3.52	1.63	0.393	1.37	0.51	1.05	6.01	3.99	2.88
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Bismuth	<0.0013	0.0034	<0.0013	0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0013	0.0015	0.0018	0.0014	0.0027	0.002	0.0022	0.0023	0.0019	<0.0013	<0.0013
Boron	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium	0.0014	0.0035	<0.0013	0.0034	0.0015	0.0041	<0.0013	0.0028	0.0016	0.0035	0.0032	0.0028	<0.0013	0.0018	<0.0013	0.0013	0.0022	0.0076	0.0034	0.0035
Calcium	543	11,200	2,290	13,700	731	12,500	7,390	11,800	4,830	9,720	4,640	9,570	3,140	1,490	3,290	2,010	4,920	22,900	15,800	8,440
Cesium	0.0037	0.0058	0.0119	0.0115	0.0056	0.009	0.0067	0.0119	0.0073	0.0021	0.0086	0.0111	0.0066	0.0062	0.0054	0.0076	0.0064	0.0101	0.0047	0.0144
Chromium	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.032	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Cobalt	0.0243	0.03	0.122	0.0327	0.0645	0.0466	0.0152	0.0207	0.0306	0.0468	0.0282	0.0146	0.0209	0.0111	0.007	0.034	0.0457	0.0566	0.0265	0.015
Copper	1.38	0.44	0.313	0.443	0.206	0.416	0.383	0.441	0.283	0.306	0.423	0.361	0.303	0.265	0.239	0.319	0.528	0.812	0.514	0.601
Iron	3.89	12.1	7.4	13.5	5.33	21.2	6.33	13.2	7.9	7.07	7	10.6	6.31	6.39	4.89	5.54	7.81	24.7	12	11.9
Lead	0.0024	0.0055	0.0014	0.0041	0.0017	0.009	0.0023	0.0063	0.0023	0.0046	0.003	0.0062	0.0036	0.0018	0.0026	0.0023	0.0046	0.0104	0.0028	0.0046
Lithium	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	123	258	255	388	166	304	331	309	236	181	260	271	210	183	239	180	286	588	416	347
Manganese	1.06	6.69	4.52	12.6	1.49	9.01	10	7.31	4.01	42.1	5.54	8.81	2.31	0.862	1.49	3.74	11.6	19.3	39.2	6.73
Mercury	0.121	0.122	0.259	0.002	0.345	0.0515	0.115	0.0594	0.127	0.0679	0.0568	0.0716	0.0615	0.106	0.0593	0.0068	0.108	0.0593	0.0363	0.0359
Molybdenum	0.0969	0.0461	0.697	0.237	0.189	0.0922	0.0615	0.0344	0.044	0.198	0.0485	0.0917	0.017	0.0297	0.0286	0.0338	0.306	0.251	0.0843	0.113
Nickel	0.044	0.106	0.241	0.098	0.223	0.091	0.057	0.08	0.074	0.092	0.083	0.067	0.032	0.035	0.037	0.102	0.067	0.124	0.056	0.015
Phosphorus	1,310	6,380	2,960	8,630	1,720	7,970	5,610	7,650	3,940	6,550	4,050	6,750	3,030	2,090	3,300	2,340	4,350	14,200	10,100	6,420
Potassium	1,720	2,250	3,270	2,930	2,340	2,200	3,030	2,500	2,210	1,590	2,970	2,400	2,190	2,130	2,560	2,270	3,070	4,570	2,820	3,090
Rubidium	1.58	3.55	3.77	3.47	1.97	4.35	3.83	4.37	2.94	1.42	3.58	4.36	2.35	3.12	3.66	2.41	3.55	6.2	3.88	8.2
Selenium	0.417	0.485	1.18	0.865	0.72	0.672	0.544	0.517	0.479	0.331	0.546	0.485	0.304	0.559	0.469	0.468	0.731	1.39	0.463	0.632
(Dry wt) Selenium	1.77	1.77	5.39	3.29	3.33	2.61	2.08	1.93	1.7	0.993	2	1.82	1.18	1.99	1.89	1.82	2.74	4.67	1.51	2.67
Silver	0.0033	0.0029	0.0017	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0056	0.0021	0.0079	0.002	0.0061	0.0056	0.0029	0.0029	<0.0013	<0.0013	0.0018
Sodium	545	951	1,110	1,180	676	1,010	891	955	706	601	929	803	688	763	756	888	932	1,880	1,040	942

Lake	Nema																			
Fish ID	1	2	3	4	5	6	7	8	9	10	21	22	23	24	25	26	27	28	29	30
Date Sampled	02-Sep-24	02-Sep-24	02-Sep-24	02-Sep-24	02-Sep-24	02-Sep-24	02-Sep-24	02-Sep-24	02-Sep-24	09-Sep-24	10-Sep-24	10-Sep-24	10-Sep-24	10-Sep-24	11-Sep-24	12-Sep-24	12-Sep-24	12-Sep-24	12-Sep-24	12-Sep-24
Lab Sample ID	CWD934	CWD935	CWD936	CWD937	CWD938	CWD939	CWD940	CWD941	CWD942	CWD943	CWD944	CWD945	CWD946	CWD947	CWD948	CWD949	CWD950	CWD951	CWD952	CWD953
Strontium	2.61	53.1	10.1	79.9	3.33	67.8	38.8	57.5	22.1	52.7	26.6	50.1	17.1	5.91	15.4	9.12	26.4	124	91.2	51
Tellurium	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	0.0065	0.004	<0.0040
Thallium	0.00522	0.00278	0.0254	0.00415	0.00761	0.00485	0.00149	0.0039	0.00672	0.0123	0.00392	0.00325	0.00209	0.00162	0.00136	0.00315	0.00573	0.00693	0.00319	0.00136
Tin	<0.020	0.025	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Titanium	<0.13	0.26	0.2	0.47	<0.13	0.46	0.28	0.37	0.25	0.3	0.16	0.35	0.15	<0.13	0.16	<0.13	0.16	0.5	0.3	0.27
Uranium	0.00054	0.0105	0.00533	0.0174	0.00188	0.0176	0.0118	0.016	0.0124	0.0102	0.00502	0.0089	0.00187	0.00182	0.00339	0.00135	0.00094	0.0195	0.00234	<0.00040
Vanadium	<0.020	0.099	<0.020	0.111	<0.020	0.162	0.052	0.146	0.031	0.053	<0.020	0.092	0.026	0.027	0.035	0.025	0.023	0.194	0.051	<0.020
Zinc	7.04	18.5	22.2	19.6	11.2	25.4	16.3	20.8	12.6	14.3	10.8	11.1	9.28	10.1	12	11.6	17.8	28.7	24.9	25.2
Zirconium	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040

Lake	Slipper										Cujo									
Fish ID	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
Date Sampled	15-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24	16-Aug-24	16-Aug-24	16-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24
Lab Sample ID	CWD964	CWD965	CWD966	CWD967	CWD968	CWD969	CWD970	CWD971	CWD972	CWD973	CWD740	CWD741	CWD742	CWD743	CWD744	CWD745	CWD746	CWD747	CWD748	CWD749
Physical Tests																				
% Moisture	72	76	75	72	77	74	79	73	76	73	74	73	72	73	70	77	75	69	71	76
Total Metals and Nutrients*																				
Aluminum	1.77	3.4	2.03	0.93	1.21	4.64	0.79	1.59	1.75	2.59	0.83	1.03	1.09	0.85	1.6	0.74	2.89	1.93	1.47	0.83
Antimony	0.0027	<0.0020	<0.0020	0.0021	<0.0020	<0.0020	<0.0020	0.0023	<0.0020	0.0033	0.0289	0.0427	0.033	<0.0020	<0.0020	<0.0020	0.0027	<0.0020	<0.0020	<0.0020
Arsenic	<0.0050	0.01	0.0118	0.0395	<0.0050	0.0143	0.0081	0.026	0.0088	0.0175	0.0873	0.118	0.101	0.0379	0.0561	0.0245	0.0636	0.0481	0.0771	0.0373
Barium	2.2	2.43	3.94	4.88	2.05	3.54	0.774	4.33	1.33	4.73	0.743 (1)	2.12	0.994	2.24	0.827	0.782	3.66	0.549	2.16	2.01
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0551	0.0849	0.0611	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Bismuth	0.0023	0.004	0.0052	<0.0013	0.0045	0.0037	0.005	0.0028	0.0019	<0.0013	0.0295	0.0447	0.0324	<0.0013	0.0014	0.0037	0.0017	0.0019	0.0015	0.0015
Boron	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium	0.0082	0.0041	0.0034	0.0068	0.0021	0.0047	0.0014	0.0071	0.0024	0.0044	0.0166	0.0224	0.0162	<0.0013	0.0021	<0.0013	0.0036	0.002	0.0013	<0.0013
Calcium	8,620	9,350	17,300	16,900	6,220	12,900	3,600	16,300	4,580	14,500	4510 (1)	9,530	5,920	7,450	4,740	5,770	16,100	3,100	9,450	7,890
Cesium	0.0261	0.0065	0.007	0.0095	0.0119	0.0418	0.0236	0.0137	0.0243	0.0113	0.0101	0.014	0.0095	0.0057	0.0052	0.0051	0.0091	0.0082	0.0231	0.0063
Chromium	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.186	0.232	0.177	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Cobalt	0.0119	0.0226	0.017	0.0104	0.0096	0.0143	0.0155	0.0163	0.0109	0.0159	0.0317	0.0509	0.0408	0.0162	0.0103	0.0138	0.0245	0.0147	0.0236	0.0089
Copper	0.545	0.488	0.424	0.575	0.413	0.485	0.323	0.442	0.36	0.436	0.491	0.716	0.494	0.453	0.488	0.27	0.433	0.41	0.482	0.386
Iron	10.3	45.2	19.2	20.5	6.42	15.9	7.67	14.7	4.72	14.7	4.32 (1)	6.83	5.73	9.75	12.6	6.24	12.4	8.38	11.5	8.77

Lake	Slipper										Cujo									
Fish ID	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
Date Sampled	15-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24	16-Aug-24	16-Aug-24	16-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24
Lab Sample ID	CWD964	CWD965	CWD966	CWD967	CWD968	CWD969	CWD970	CWD971	CWD972	CWD973	CWD740	CWD741	CWD742	CWD743	CWD744	CWD745	CWD746	CWD747	CWD748	CWD749
Lead	0.0144	0.008	0.0085	0.0062	0.0057	0.0113	0.0025	0.011	0.0038	0.0133	0.0311	0.0472	0.0334	0.0024	0.0025	<0.0013	0.0066	0.0019	0.0023	<0.0013
Lithium	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.11	0.22	0.15	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	343	306	439	439	276	387	249	449	267	355	350	357	363	298	264	295	378	236	357	305
Manganese	8.01	5.96	6.5	25.8	1.83	5.51	1.56	12.4	5.39	13.8	2.19 (1)	3.72	3.32	4.74	2.78	4.01	9.52	1.47	4.36	5.77
Mercury	0.0801	0.0699	0.0792	0.0372	0.12	0.0681	0.0952	0.074	0.108	0.0716	0.0547	0.0837	0.0412	0.0234	0.0775	0.0993	0.061	0.0349	0.0783	0.0342
Molybdenum	0.0529	0.106	0.124	0.0786	0.0246	0.0742	0.0285	0.0531	0.0372	0.0547	0.0432	0.0703	0.0462	0.0304	0.0105	0.0299	0.0405	0.0156	0.0254	0.0157
Nickel	0.035	0.038	0.038	0.029	0.028	0.033	0.031	0.031	0.023	0.035	0.168	0.255	0.18	0.076	0.041	0.104	0.14	0.053	0.073	0.042
Phosphorus	6,130	6,300	10,300	10,600	4,860	8,140	3,230	9,990	3,990	9,100	4490 (1)	6,930	5,190	5,810	4,140	4,790	10,500	3,330	7,070	5,910
Potassium	2,850	2,730	2,730	3,020	2,840	2,920	2,780	2,730	2,820	2,610	3,610	3,420	3,140	3,010	2,820	2,740	2,960	2,790	3,020	2,880
Rubidium	4.65	3.44	2.97	4.43	3.63	4.36	3.76	4.54	4.15	3.7	5.11	4.22	3.79	2.02	3.48	3.1	3.42	3.44	3.65	2.75
Selenium	0.335	0.325	0.345	0.348	0.254	0.291	0.268	0.435	0.323	0.293	0.466	0.495	0.485	0.255	0.323	0.446	0.379	0.372	0.407	0.327
(Dry wt) Selenium	1.2	1.34	1.39	1.25	1.12	1.11	1.28	1.59	1.36	1.07	1.78	1.8	1.7	0.937	1.09	1.9	1.52	1.18	1.42	1.35
Silver	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.201	0.321	0.321	0.0032	0.0021	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
Sodium	884	1,030	1,230	1,210	1,110	1,030	841	1,120	933	1,250	773	820	919	1,020	862	1,010	1,210	885	1,110	802
Strontium	47.7	53	81.2	91.8	33.8	70.5	18.6	103	26.1	87.6	12.4 (1)	33.8	18.8	25.7	14.6	16.4	56.8	9.65	34	30.3
Tellurium	<0.0040	<0.0040	<0.0040	<0.0040	0.0046	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	0.0802	0.112	0.0902	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Thallium	0.00262	0.00349	0.00118	0.00189	0.00167	0.00252	0.00322	0.00364	0.00229	0.00243	0.0134	0.0207	0.0154	0.00047	0.00097	0.00061	0.00072	0.0006	0.00157	0.00136
Tin	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Titanium	0.22	0.3	0.3	0.29	0.19	0.46	<0.13	0.32	<0.13	0.37	0.43	0.77	0.58	0.6	0.47	0.52	1.07	0.39	0.73	0.62
Uranium	0.00218	0.00839	0.00899	0.0101	0.00259	0.00563	<0.00040	0.0135	0.00069	0.00888	0.0224 (1)	0.044	0.0237	0.00987	0.0043	0.0299	0.0339	0.00685	0.0215	0.00924
Vanadium	0.031	0.092	0.214	0.079	0.041	0.134	0.025	0.16	0.032	0.059	0.023	0.06	0.027	0.03	0.025	0.059	0.098	0.022	0.046	0.048
Zinc	23.3	15.8	17.5	29.1	22.5	22.8	19.7	35.9	16.3	26.4	14.5	17.1	13.9	15.6	17	14.7	13.2	13	17.6	17.6
Zirconium	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	-	-	-	-	-	-	-	-	-	-

Lake	Cujo *(cont'd)*										Horseshoe									
Fish ID	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
Date Sampled	**28-Aug-24**	**28-Aug-24**	**28-Aug-24**	**28-Aug-24**	**28-Aug-24**	**28-Aug-24**	**28-Aug-24**	**28-Aug-24**	**28-Aug-24**	**28-Aug-24**	**06-Sep-24**	**06-Sep-24**	**06-Sep-24**	**06-Sep-24**	**06-Sep-24**	**06-Sep-24**	**06-Sep-24**	**06-Sep-24**	**06-Sep-24**	**06-Sep-24**
Lab Sample ID	**CWD750**	**CWD751**	**CWD752**	**CWD753**	**CWD754**	**CWD755**	**CWD756**	**CWD757**	**CWD758**	**CWD759**	**CWD770**	**CWD771**	**CWD772**	**CWD773**	**CWD774**	**CWD775**	**CWD776**	**CWD777**	**CWD778**	**CWD779**
Physical Tests																				
% Moisture	76	76	74	76	75	74	74	73	75	70	75	74	69	75	75	74	72	74	76	68
Total Metals and Nutrients*																				
Aluminum	1.02	1.28	2.03	0.52	2.93	0.8	1.49	1.52	1.76	1.75	1.15	3.3	4.58	1.03	2.69	1.04	1.85	1.6	0.87	2.09
Antimony	0.003	0.0033	0.0028	<0.0020	0.0026	0.0023	0.0029	0.0027	<0.0020	0.0031	0.0027	<0.0020	0.0023	<0.0020	<0.0020	<0.0020	0.004	0.0027	<0.0020	0.0053
Arsenic	0.0324	0.0405	0.0494	0.0141	0.05	0.0367	0.0502	0.0445	0.0691	0.077	0.0151	0.0248	0.0454	0.0235	0.0234	0.0141	0.0308	0.0196	0.025	0.041
Barium	0.808	1.08	1.8	0.069	1.98	0.666	3.48	1.34	3.63	3.91	2.1	4.52	5.62	2.11	3.05	2.39	3.28	1.5	1.86	3.79
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Bismuth	<0.0013	0.002	0.0022	0.0023	0.0016	0.0019	0.004	0.0016	<0.0013	<0.0013	0.0298	0.0092	0.0093	0.0098	0.009	0.0045	0.0038	0.0069	0.0058	0.0073
Boron	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium	0.0141	0.0071	0.0028	<0.0013	0.0161	0.0064	0.0027	0.0046	0.027	0.0182	0.0025	0.0043	0.0042	<0.0013	0.0044	0.0029	0.0068	0.0032	0.0028	0.0022
Calcium	4,320	5,390	7,210	362	11,800	2,270	18,200	6,890	13,100	13,400	4,750	7,630	12,600	4,190	8,690	4,480	8,120	4,000	3,630	6,500
Cesium	0.0154	0.0143	0.0179	0.006	0.01	0.0117	0.0126	0.0097	0.0178	0.0218	0.0086	0.0167	0.0173	0.0123	0.0139	0.0144	0.012	0.0123	0.0124	0.0105
Chromium	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.025	0.029	<0.025	<0.025	<0.025	<0.025	0.045	<0.025	<0.025	0.03
Cobalt	0.0791	0.0727	0.0312	0.0069	0.14	0.114	0.0315	0.0888	0.174	0.125	0.0165	0.0178	0.0274	0.0077	0.0325	0.0179	0.0244	0.0128	0.0126	0.0209
Copper	0.379	0.374	0.587	0.174	0.489	0.391	0.595	0.322	0.476	0.484	0.343	0.538	0.608	0.214	0.459	0.407	0.468	0.345	0.362	0.391
Iron	7.92	8.46	12.1	3.11	16.7	8.2	13.7	6.73	9.97	9.81	6.74	9.95	12.8	3.41	17.8	6.56	9.83	8.36	10.1	8.49
Lead	0.0019	0.0025	0.0024	<0.0013	0.0067	0.0027	0.0052	0.0019	0.003	0.0068	0.006	0.011	0.0066	<0.0013	0.0027	<0.0013	0.0056	0.0033	0.0022	0.004
Lithium	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	284	268	370	175	369	213	493	332	339	390	223	360	508	226	392	295	352	277	271	316
Manganese	2.51	4.44	6.94	0.255	13.3	3.04	7.64	8.3	22	23.7	4.45	6.35	10.3	2.55	4.41	3.92	6.42	2.54	2.32	4.82
Mercury	0.11	0.106	0.109	0.0778	0.0539	0.0716	0.0857	0.0666	0.0557	0.0748	0.0287	0.0199	0.0655	0.0329	0.0673	0.0392	0.0404	0.0492	0.0814	0.0484
Molybdenum	0.0138	0.0147	0.0107	0.0115	0.0415	0.0255	0.0351	0.0266	0.022	0.0156	<0.0080	0.0142	0.0102	<0.0080	<0.0080	0.009	<0.0080	<0.0080	<0.0080	0.0142
Nickel	0.177	0.212	0.126	0.049	0.408	0.187	0.096	0.214	0.459	0.529	0.036	0.048	0.063	0.046	0.09	0.061	0.089	0.058	0.038	0.035
Phosphorus	4,010	4,690	6,190	1,510	8,190	2,640	11,800	5,530	8,830	9,250	3,900	6,380	9,790	3,630	7,020	4,450	6,530	4,100	3,830	5,530
Potassium	2,990	3,540	3,980	2,500	3,030	2,660	3,750	2,970	3,170	3,390	2,240	3,580	4,600	2,370	4,020	3,390	3,220	3,180	3,130	3,180
Rubidium	2.73	3.04	5.47	3.02	3.69	2.77	5.24	3.07	2.95	2.56	3.78	4.27	5.19	2.55	5.71	3.48	4.91	4.39	3.86	4.33
Selenium	0.367	0.427	0.416	0.289	0.655	0.456	0.417	0.478	0.51	0.462	0.093	0.127	0.191	0.097	0.205	0.145	0.141	0.147	0.14	0.127
(Dry wt) Selenium	1.53	1.75	1.6	1.19	2.59	1.77	1.58	1.76	2	1.53	0.366	0.489	0.623	0.384	0.825	0.556	0.507	0.558	0.587	0.398
Silver	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0027	<0.0013	<0.0013	<0.0013	<0.0013	0.0021	<0.0013	<0.0013	<0.0013
Sodium	915	1,100	1,260	540	1,320	781	1,540	849	1,210	1,030	705	995	1,490	555	1,390	895	1,050	951	937	893

Lake	Cujo *(cont'd)*										Horseshoe									
Fish ID	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
Date Sampled	**28-Aug-24**	**28-Aug-24**	**28-Aug-24**	**28-Aug-24**	**28-Aug-24**	**28-Aug-24**	**28-Aug-24**	**28-Aug-24**	**28-Aug-24**	**28-Aug-24**	**06-Sep-24**	**06-Sep-24**	**06-Sep-24**	**06-Sep-24**	**06-Sep-24**	**06-Sep-24**	**06-Sep-24**	**06-Sep-24**	**06-Sep-24**	**06-Sep-24**
Lab Sample ID	**CWD750**	**CWD751**	**CWD752**	**CWD753**	**CWD754**	**CWD755**	**CWD756**	**CWD757**	**CWD758**	**CWD759**	**CWD770**	**CWD771**	**CWD772**	**CWD773**	**CWD774**	**CWD775**	**CWD776**	**CWD777**	**CWD778**	**CWD779**
Strontium	11.4	14.4	23.7	0.807	29	6.98	53.6	17.8	42.8	32.1	14.6	28.1	39.9	12.9	26.2	15.9	24.5	11.1	11.1	21.7
Tellurium	0.0095	0.009	0.0093	0.0046	0.0071	0.0066	0.0097	0.0111	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Thallium	0.00265	0.00148	0.00423	0.0005	0.00318	0.00261	0.00324	0.00324	0.0031	0.0021	0.0011	0.00267	0.00457	0.00272	0.00672	0.00382	0.00363	0.00338	0.00136	0.00199
Tin	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Titanium	0.39	0.53	0.69	0.17	0.86	0.32	1.25	0.56	0.85	0.93	0.45	0.68	0.98	0.38	0.76	0.48	0.7	0.45	0.38	0.63
Uranium	0.00803	0.0141	0.0146	0.00108	0.0553	0.00991	0.0141	0.0257	0.03	0.0567	0.00407	0.00328	0.0161	0.00575	0.00944	0.00776	0.00981	0.00719	0.00558	0.00875
Vanadium	<0.020	0.026	0.047	<0.020	0.085	0.025	0.081	0.036	0.064	0.064	<0.020	<0.020	0.03	<0.020	0.026	<0.020	0.029	0.031	<0.020	0.047
Zinc	16.4	14	16.8	7.68	26.6	13.8	22.7	13.9	17.3	19.9	12.2	25.2	31.1	10.6	17.8	15.9	17.2	16.7	21.1	19
Zirconium	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040

Lake	HWL2																			
Fish ID	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**
Date Sampled	**05-Sep-24**	**05-Sep-24**	**05-Sep-24**	**05-Sep-24**	**05-Sep-24**	**05-Sep-24**	**10-Aug-24**	**10-Aug-24**	**10-Aug-24**	**10-Aug-24**	**11-Aug-24**	**11-Aug-24**	**11-Aug-24**	**11-Aug-24**	**11-Aug-24**	**11-Aug-24**	**11-Aug-24**	**11-Aug-24**	**11-Aug-24**	**12-Aug-24**
Lab Sample ID	**CWD780**	**CWD781**	**CWD782**	**CWD783**	**CWD784**	**CWD785**	**CWD786**	**CWD787**	**CWD788**	**CWD789**	**CWD790**	**CWD791**	**CWD792**	**CWD793**	**CWD794**	**CWD795**	**CWD796**	**CWD797**	**CWD798**	**CWD799**
Physical Tests																				
% Moisture	75	72	71	69	73	72	78	72	76	72	71	70	72	74	72	71	73	74	74	72
Total Metals and Nutrients*																				
Aluminum	4.02	1.98	2.66	0.93	0.85	1.84	0.98	5.72	4.05	1.38	1.53	2.46	1.72	2.77	3.37	1.28	1.97	2.73	0.69	2.62
Antimony	0.007	0.0037	0.0045	0.0029	0.0041	0.0047	0.0034	0.0044	0.0074	0.0072	0.0043	0.0068	0.0068	0.0041	0.0069	0.0048	0.0046	0.0036	0.0043	0.0052
Arsenic	0.0258	0.023	0.0298	0.0262	0.0218	0.0302	0.0114	0.0224	0.0339	0.0288	0.0303	0.0252	0.0317	0.0237	0.0256	0.0423	0.0206	0.0186	0.0137	0.0173
Barium	5.9	3.65	7.83	3.67	3.68	5.74	3.19	2.57	5.75	8.39	5.72	7.42	7.18	4.79	2.68	6.44	4.71	5.29	6.14	4.88
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Bismuth	0.0068	0.011	0.0024	0.0019	0.0025	<0.0013	0.0084	0.0042	0.0167	<0.0013	<0.0013	0.0119	<0.0013	0.002	<0.0013	<0.0013	0.0014	<0.0013	0.0016	0.0024
Boron	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.26	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium	0.0086	0.0063	0.0135	0.0038	0.0083	0.0083	0.0032	0.0052	0.0057	0.0079	0.0043	0.0117	0.007	0.0078	0.005	0.0082	0.0047	0.0093	0.0048	0.0065
Calcium	9,790	8,260	14,600	6,250	5,230	10,500	5,480	3,290	8,400	14,800	9,550	14,000	11,800	9,040	5,230	9,660	9,400	9,440	11,200	10,300
Cesium	0.014	0.014	0.0171	0.0228	0.0145	0.0137	0.0133	0.021	0.0234	0.0245	0.0211	0.0165	0.0188	0.0155	0.0148	0.0243	0.0186	0.0236	0.0153	0.0132
Chromium	0.051	0.042	0.057	<0.025	0.045	0.029	0.028	<0.025	0.101	<0.025	<0.025	0.082	<0.025	<0.025	<0.025	<0.025	0.026	0.08	<0.025	0.033
Cobalt	0.0224	0.0209	0.0385	0.0277	0.0172	0.038	0.0111	0.022	0.0456	0.0304	0.0365	0.05	0.0386	0.036	0.0217	0.0524	0.0308	0.0209	0.0235	0.0334
Copper	0.515	0.338	0.569	0.341	0.626	0.533	0.355	0.451	0.637	0.516	0.489	0.914	0.53	0.546	0.409	0.63	0.529	0.592	0.4	0.387
Iron	14.3	10.1	12.7	5.79	10.8	12.8	7.14	18.9	9.31	12.2	6.5	13.7	9.82	12.5	5.2	10.2	10.4	9.2	6.66	22.4

Lake	HWL2																			
Fish ID	1	2	3	4	5	6	7	8	9	10	21	22	23	24	25	26	27	28	29	30
Date Sampled	05-Sep-24	05-Sep-24	05-Sep-24	05-Sep-24	05-Sep-24	05-Sep-24	10-Aug-24	10-Aug-24	10-Aug-24	10-Aug-24	11-Aug-24	11-Aug-24	11-Aug-24	11-Aug-24	11-Aug-24	11-Aug-24	11-Aug-24	11-Aug-24	11-Aug-24	12-Aug-24
Lab Sample ID	CWD780	CWD781	CWD782	CWD783	CWD784	CWD785	CWD786	CWD787	CWD788	CWD789	CWD790	CWD791	CWD792	CWD793	CWD794	CWD795	CWD796	CWD797	CWD798	CWD799
Lead	0.0144	0.006	0.015	0.0043	0.0081	0.0103	0.0075	0.0064	0.0505	0.0096	0.0068	0.0675	0.0074	0.024	0.0051	0.0249	0.017	0.0253	0.011	0.0148
Lithium	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	362	371	454	353	316	374	295	320	383	454	399	438	393	365	342	388	396	311	286	270
Manganese	9.44	5.81	15.2	7.82	3.47	11.4	3.03	2.68	12.7	11	9.45	18.9	13.9	10.2	4.06	15.5	13.7	9.89	6.63	18.9
Mercury	0.0356	0.114	0.0479	0.0452	0.0761	0.0326	0.0603	0.0796	0.0414	0.0285	0.0584	0.028	0.0298	0.0364	0.0343	0.0722	0.0349	0.0396	0.0521	0.0591
Molybdenum	0.0123	0.0095	0.0134	<0.0080	0.012	0.0088	<0.0080	<0.0080	0.0162	0.0132	0.0123	0.0174	0.0127	0.0127	0.0117	0.0088	0.0188	0.0139	0.0221	0.0115
Nickel	0.067	0.05	0.082	0.028	0.07	0.05	0.034	0.047	0.106	0.05	0.042	0.541	0.057	0.109	0.053	0.051	0.08	0.063	0.07	0.04
Phosphorus	7,120	6,420	10,100	5,580	4,680	7,470	4,730	3,880	6,520	10,400	7,470	10,100	8,820	6,980	4,930	7,380	6,810	6,670	7,340	7,060
Potassium	3,290	3,340	3,510	3,470	3,070	2,990	3,020	3,480	3,020	3,400	3,440	3,460	3,440	3,200	3,310	3,250	3,420	2,870	2,400	2,210
Rubidium	4.18	3.73	3.64	4.14	2.97	2.91	2.6	6.35	5.34	6.14	7.55	4.84	4.47	6.18	4.82	4.27	4.87	3.96	2.6	2.35
Selenium	0.134	0.162	0.202	0.165	0.126	0.22	0.131	0.201	0.175	0.188	0.214	0.173	0.211	0.151	0.149	0.277	0.19	0.19	0.14	0.141
(Dry wt) Selenium	0.526	0.581	0.703	0.538	0.468	0.798	0.586	0.724	0.74	0.68	0.737	0.584	0.763	0.569	0.536	0.946	0.713	0.718	0.532	0.504
Silver	<0.0013	<0.0013	0.0026	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0018	<0.0013	<0.0013	0.0019	<0.0013
Sodium	980	935	1,050	800	901	866	849	845	753	1,050	1,020	1,100	1,140	897	822	877	1,030	839	1,020	817
Strontium	37.1	25.9	57.5	22.4	20.5	40.6	20.5	12.4	30.2	57.9	38.6	52.1	47	31.5	19.2	39.8	33.5	34.5	38.5	32.5
Tellurium	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Thallium	0.00561	0.0079	0.008	0.00752	0.00551	0.00705	0.00194	0.00509	0.0117	0.00796	0.00931	0.00756	0.00792	0.00973	0.0077	0.00964	0.0101	0.0088	0.00471	0.006
Tin	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.04	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Titanium	0.81	0.77	1.17	0.58	0.52	0.79	0.51	0.41	0.86	1.04	0.76	1.07	0.95	0.82	0.58	0.76	0.3	0.36	0.25	0.32
Uranium	0.0116	0.0091	0.0263	0.0107	0.00689	0.0211	0.00464	0.00547	0.00897	0.0163	0.013	0.018	0.0207	0.00799	0.00394	0.00934	0.0118	0.00731	0.00861	0.0105
Vanadium	0.038	0.034	0.039	<0.020	0.033	0.022	<0.020	<0.020	0.023	0.066	0.041	0.024	<0.020	0.028	<0.020	<0.020	<0.020	0.03	0.057	0.039
Zinc	24.8	18.5	26.8	22.8	24	24	14.4	18.9	19.2	22.1	18.5	22.6	25	20.4	16.3	25.8	15.3	16.2	21.3	20.4
Zirconium	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	0.041	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040

Lake	Ross										Logan									
Fish ID	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
Date Sampled	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	03-Sep-24	03-Sep-24	03-Sep-24	03-Sep-24	03-Sep-24	03-Sep-24	03-Sep-24	03-Sep-24	03-Sep-24	03-Sep-24
Lab Sample ID	CWD954	CWD955	CWD956	CWD957	CWD958	CWD959	CWD960	CWD961	CWD962	CWD963	CWD868	CWD869	CWD870	CWD871	CWD872	CWD873	CWD874	CWD875	CWD876	CWD877
Physical Tests																				
% Moisture	79	73	64	80	80	75	64	75	78	72	0.25	0.22	0.23	0.23	0.29	0.33	0.2	0.21	0.21	0.22
Total Metals and Nutrients*																				
Aluminum	1.48	1.19	2.08	1.02	1.86	1.64	1.2	1.77	1.2	2.55	1.87	2.51	1.24	1.21	3.06	1.45	1.09	2.79	2.3	2.08
Antimony	0.0033	0.002	<0.0020	0.0024	<0.0020	<0.0020	<0.0020	<0.0020	0.0031	<0.0020	0.0043	0.0032	0.0028	0.0027	<0.0020	<0.0020	<0.0020	0.0039	<0.0020	<0.0020
Arsenic	0.0143	0.0176	0.0115	0.0123	0.0115	0.0132	0.013	0.016	0.0134	0.0174	0.018	0.0235	0.0132	<0.0050	0.0083	0.0124	<0.0050	0.0244	0.0171	0.0202
Barium	0.508	2.71	4.01	2.71	7.85	5.59	6.27	5.53	3.55	10.7	4.79	7.13	3.39	3.54	1.54	2.55	3.79	6.13	3.73	6.5
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Bismuth	0.0023	0.0039	0.0017	<0.0013	0.0035	0.0043	0.0026	0.0028	0.0063	<0.0013	0.0016	0.0025	<0.0013	<0.0013	0.0015	<0.0013	0.0014	0.0014	<0.0013	<0.0013
Boron	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium	0.011	0.0043	0.0061	0.0043	0.0063	0.0032	0.0033	0.0044	0.004	0.0099	0.0104	0.0077	0.0022	0.0025	0.002	0.0049	0.0028	0.0108	0.0037	0.0084
Calcium	943	5,340	9,670	5,490	12,000	9,910	13,800	9,430	6,110	18,100	13,300	16,300	7,920	9,810	4,470	7,550	8,390	19,500	7,770	18,800
Cesium	0.0332	0.021	0.0216	0.0148	0.0214	0.0313	0.0141	0.0297	0.0207	0.0128	0.0254	0.0272	0.0253	0.0182	0.0143	0.0396	0.0187	0.0319	0.0251	0.0195
Chromium	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Cobalt	0.0993	0.016	0.0389	0.0472	0.0225	0.0215	0.0431	0.0263	0.0378	0.0814	0.0303	0.0403	0.0244	0.0178	0.023	0.0183	0.0386	0.0453	0.0345	0.0273
Copper	0.643	0.478	0.406	0.466	0.464	0.494	0.468	0.43	0.338	0.561	0.637	0.592	0.476	0.4	0.452	0.546	0.469	0.865	0.528	0.765
Iron	9.72	5.15	9.26	7.35	11.7	9.25	9.51	8.16	7.34	16.1	12	13.3	4.46	5.35	8.05	5.2	4.84	20.7	6.2	14.9
Lead	0.0048	0.008	0.0016	0.0025	0.0022	0.0059	0.0036	0.0032	0.0034	0.0018	0.0089	0.0068	0.0031	0.0023	0.0027	0.0025	0.0041	0.0076	0.0023	0.0041
Lithium	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	328	286	377	253	412	355	386	366	299	367	394	429	346	351	262	309	352	498	288	474
Manganese	0.965	4.66	11.7	5.52	17.6	9.19	10.4	10.2	6.88	18.5	61.2	83.9	54	7.51	11.5	50.9	28.3	75	27.2	28.8
Mercury	0.0617	0.0573	0.0539	0.0655	0.0397	0.0556	0.0762	0.0477	0.168	0.039	0.0087	0.0076	0.0111	0.0108	0.0678	0.029	0.0756	0.0199	0.0187	0.0173
Molybdenum	0.0093	<0.0080	0.0093	0.0088	<0.0080	<0.0080	0.0136	<0.0080	<0.0080	0.0202	0.0255	0.0146	0.026	0.0196	<0.0080	0.0123	0.0107	0.0187	0.0087	0.0305
Nickel	0.076	0.03	0.025	0.03	0.027	0.033	0.052	0.027	0.043	0.058	0.077	0.08	0.042	0.032	0.035	0.051	0.033	0.083	0.08	0.07
Phosphorus	2,990	4,510	6,760	4,530	8,400	6,870	8,890	6,900	4,800	10,800	9,180	10,800	6,270	7,170	4,100	5,870	6,510	12,700	5,900	12,500
Potassium	4,860	2,880	2,970	2,880	3,100	3,150	2,860	2,970	2,960	2,930	3,120	3,080	3,200	2,770	2,460	2,610	2,760	3,300	2,630	3,250
Rubidium	5.41	4.56	3.67	2.52	4.86	5.8	2.91	4.74	4.9	2.23	5.43	4.35	3.33	4.05	1.72	6.85	2.22	5.59	3.74	4.19
Selenium	0.273	0.118	0.172	0.139	0.149	0.142	0.161	0.14	0.159	0.2	0.21	0.214	0.176	0.116	0.132	0.136	0.138	0.213	0.197	0.201
(Dry wt) Selenium	1.31	0.429	0.475	0.691	0.762	0.557	0.447	0.553	0.721	0.723	0.773	0.791	0.67	0.439	0.439	0.523	0.51	0.793	0.804	0.754
Silver	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0194	0.003	<0.0013	<0.0013	<0.0013	<0.0013	0.0023	0.0034	0.0017	<0.0013
Sodium	1,430	815	903	892	938	944	963	964	852	1,150	1,080	1,060	834	906	721	777	851	1,160	796	1,280

Lake	Ross										Logan									
Fish ID	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
Date Sampled	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	03-Sep-24	03-Sep-24	03-Sep-24	03-Sep-24	03-Sep-24	03-Sep-24	03-Sep-24	03-Sep-24	03-Sep-24	03-Sep-24
Lab Sample ID	CWD954	CWD955	CWD956	CWD957	CWD958	CWD959	CWD960	CWD961	CWD962	CWD963	CWD868	CWD869	CWD870	CWD871	CWD872	CWD873	CWD874	CWD875	CWD876	CWD877
Strontium	2.82	19.4	30.7	20.7	49.3	40.9	53.9	36.8	20.7	70.7	46.7	66.2	32.5	37.1	14.6	28.5	30	70.3	31	72.5
Tellurium	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Thallium	0.00615	0.00368	0.00411	0.00407	0.00647	0.00382	0.00465	0.00401	0.00459	0.004	0.00473	0.00543	0.00532	0.0057	0.00323	0.00294	0.00467	0.00488	0.00511	0.00658
Tin	<0.020	<0.020	<0.020	<0.020	<0.020	0.033	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.031	0.042	0.025	<0.020
Titanium	0.15	0.19	0.19	<0.13	0.28	0.24	0.28	0.21	0.13	0.27	1.06	1.26	0.76	0.81	0.58	0.63	0.8	1.54	0.69	1.42
Uranium	<0.00040	0.00379	0.00796	0.00328	0.0144	0.00959	0.0124	0.00975	0.00961	0.0147	0.0191	0.0189	0.00934	0.00639	0.00599	0.0147	0.00763	0.027	0.0212	0.0279
Vanadium	<0.020	<0.020	<0.020	<0.020	0.027	<0.020	0.102	<0.020	0.045	<0.020	0.025	0.023	<0.020	0.027	<0.020	<0.020	<0.020	0.071	<0.020	0.073
Zinc	29.8	14.7	24.1	17.3	23	16.3	31	19	27.6	25.1	34.6	26.5	22.3	20.6	12	16.2	16.6	31.2	19.5	35.9
Zirconium	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040

Notes:

< = less than detection limit; wt = weight

*Metal results expressed in mg/kg wet weight, except for total (dry weight) selenium where results are expressed as mg/kg dry weight. All variables analysed by Bureau Veritas Laboratories.

Dash (-) indicates not applicable.

Table 3.8-16 Slimy Sculpin Whole Body Metals and Nutrients Detection Limits and Percent of Samples Below Detection Limit for AEMP Lakes, 2024

Lake	Nanuq			Counts			Vulture			Northeast			Kodiak			Leslie			Moose		
Statistic	**Min**	**Max**	**% BDL**	**Min**	**Max**	**% BDL**	**Min**	**Max**	**% BDL**	**Min**	**Max**	**% BDL**	**Min**	**Max**	**% BDL**	**Min**	**Max**	**% BDL**	**Min**	**Max**	**% BDL**
Total Metals and Nutrients																					
Aluminum	0.5	0.5	3	0.5	0.5	20	0.5	0.5	10	0.5	0.5	0	0.5	0.5	10	0.5	0.5	10	0.5	0.5	3
Antimony	0.002	0.002	53	0.002	0.002	50	0.002	0.002	47	0.002	0.002	60	0.002	0.002	60	0.002	0.002	3	0.002	0.002	43
Arsenic	0.005	0.005	0	0.005	0.005	0	0.005	0.005	0	0.005	0.005	0	0.005	0.005	7	0.005	0.005	3	0.005	0.005	27
Barium	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0
Beryllium	0.002	0.002	97	0.002	0.002	67	0.002	0.002	87	0.002	0.002	97	0.002	0.002	100	0.002	0.002	100	0.002	0.002	97
Bismuth	0.0013	0.0013	30	0.0013	0.0013	17	0.0013	0.0013	17	0.0013	0.0013	13	0.0013	0.0013	33	0.0013	0.0013	63	0.0013	0.0013	20
Boron	0.2	0.2	100	0.2	0.2	97	0.2	0.2	100	0.2	0.2	100	0.2	0.2	100	0.2	0.2	100	0.2	0.2	100
Cadmium	0.0013	0.0013	7	0.0013	0.0013	13	0.0013	0.0013	17	0.0013	0.0013	0	0.0013	0.0013	3	0.0013	0.0013	0	0.0013	0.0013	20
Calcium	4	4	0	4	4	0	4	4	0	4	4	0	4	4	0	4	4	0	4	4	0
Cesium	0.001	0.001	0	0.001	0.001	3	0.001	0.001	0	0.001	0.001	0	0.001	0.001	0	0.001	0.001	0	0.001	0.001	0
Chromium	0.025	0.025	60	0.025	0.025	63	0.025	0.025	60	0.025	0.025	67	0.025	0.025	53	0.025	0.025	97	0.025	0.025	90
Cobalt	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	0
Copper	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0
Iron	0.25	0.25	0	0.25	0.25	0	0.25	0.25	0	0.25	0.25	0	0.25	0.25	0	0.25	0.25	0	0.25	0.25	0
Lead	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	0
Lithium	0.1	0.1	100	0.1	0.1	67	0.1	0.1	100	0.1	0.1	100	0.1	0.1	100	0.1	0.1	100	0.1	0.1	100
Magnesium	0.4	0.4	0	0.4	0.4	0	0.4	0.4	0	0.4	0.4	0	0.4	0.4	0	0.4	0.4	0	0.4	0.4	0
Manganese	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0
Mercury	0.001	0.002	0	0.001	0.002	0	0.001	0.002	0	0.001	0.002	0	0.001	0.002	0	0.001	0.002	0	0.001	0.002	0
Molybdenum	0.008	0.008	47	0.008	0.008	23	0.008	0.008	37	0.008	0.008	13	0.008	0.008	43	0.008	0.008	0	0.008	0.008	0
Nickel	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0
Phosphorus	2	4	0	2	4	0	2	4	0	2	4	0	2	4	0	2	4	0	2	4	0
Potassium	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0
Rubidium	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0
Selenium	0.031	0.043	0	0.029	0.043	0	0.023	0.042	0	0.03	0.043	0	0.03	0.046	0	0.032	0.048	0	0.031	0.049	0
(Dry wt) Selenium	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0
Sodium	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0
Strontium	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0
Tellurium	0.004	0.004	100	0.004	0.004	63	0.004	0.004	97	0.004	0.004	100	0.004	0.004	100	0.004	0.004	90	0.004	0.004	100

Lake	Nanuq			Counts			Vulture			Northeast			Kodiak			Leslie			Moose		
Statistic	Min	Max	% BDL	Min	Max	% BDL	Min	Max	% BDL	Min	Max	% BDL	Min	Max	% BDL	Min	Max	% BDL	Min	Max	% BDL
Thallium	0.0004	0.0004	0	0.0004	0.0004	7	0.0004	0.0004	0	0.0004	0.0004	0	0.0004	0.0004	0	0.0004	0.0004	0	0.0004	0.0004	0
Tin	0.02	0.02	90	0.02	0.02	100	0.02	0.02	100	0.02	0.02	77	0.02	0.02	93	0.02	0.02	93	0.02	0.02	100
Titanium	0.13	0.13	7	0.13	0.13	7	0.13	0.13	0	0.13	0.13	3	0.13	0.13	10	0.13	0.13	0	0.13	0.13	7
Uranium	0.0004	0.0004	7	0.0004	0.0004	20	0.0004	0.0004	17	0.0004	0.0004	0	0.0004	0.0004	0	0.0004	0.0004	3	0.0004	0.0004	0
Vanadium	0.02	0.02	23	0.02	0.02	37	0.02	0.02	27	0.02	0.02	30	0.02	0.02	20	0.02	0.02	3	0.02	0.02	10
Zinc	0.2	0.2	0	0.2	0.2	0	0.2	0.2	0	0.2	0.2	0	0.2	0.2	0	0.2	0.2	0	0.2	0.2	0
Zirconium	0.04	0.04	100	0.04	0.04	95	0.04	0.04	100	0.04	0.04	100	0.04	0.04	100	0.04	0.04	100	0.04	0.04	100

Lake	Nema			Slipper			Cujo			Horseshoe			HWL2			Ross			Logan		
Statistic	Min	Max	% BDL	Min	Max	% BDL	Min	Max	% BDL	Min	Max	% BDL	Min	Max	% BDL	Min	Max	% BDL	Min	Max	% BDL
Total Metals and Nutrients																					
Aluminum	0.5	0.5	7	0.5	0.5	3	0.5	0.5	7	0.5	0.5	0	0.5	0.5	0	0.5	0.5	0	0.5	0.5	0
Antimony	0.002	0.002	23	0.002	0.002	70	0.002	0.002	37	0.002	0.002	73	0.002	0.002	7	0.002	0.002	77	0.002	0.002	63
Arsenic	0.005	0.005	3	0.005	0.005	7	0.005	0.005	0	0.005	0.005	0	0.005	0.005	0	0.005	0.005	0	0.005	0.005	7
Barium	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0
Beryllium	0.002	0.002	100	0.002	0.002	100	0.002	0.002	87	0.002	0.002	100	0.002	0.002	97	0.002	0.002	100	0.002	0.002	100
Bismuth	0.0013	0.0013	50	0.0013	0.0013	17	0.0013	0.0013	17	0.0013	0.0013	0	0.0013	0.0013	37	0.0013	0.0013	7	0.0013	0.0013	43
Boron	0.2	0.2	100	0.2	0.2	100	0.2	0.2	100	0.2	0.2	100	0.2	0.2	97	0.2	0.2	100	0.2	0.2	100
Cadmium	0.0013	0.0013	13	0.0013	0.0013	0	0.0013	0.0013	30	0.0013	0.0013	23	0.0013	0.0013	0	0.0013	0.0013	7	0.0013	0.0013	0
Calcium	4	4	0	4	4	0	4	4	0	4	4	0	4	4	0	4	4	0	4	4	0
Cesium	0.001	0.001	0	0.001	0.001	0	0.001	0.001	0	0.001	0.001	0	0.001	0.001	0	0.001	0.001	0	0.001	0.001	0
Chromium	0.025	0.025	90	0.025	0.025	97	0.025	0.025	80	0.025	0.025	80	0.025	0.025	57	0.025	0.025	97	0.025	0.025	90
Cobalt	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	0
Copper	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0
Iron	0.25	0.25	0	0.25	0.25	0	0.25	0.25	0	0.25	0.25	0	0.25	0.25	0	0.25	0.25	0	0.25	0.25	0
Lead	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	17	0.0013	0.0013	10	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	0
Lithium	0.1	0.1	100	0.1	0.1	100	0.1	0.1	90	0.1	0.1	100	0.1	0.1	100	0.1	0.1	100	0.1	0.1	100
Magnesium	0.4	0.4	0	0.4	0.4	0	0.4	0.4	0	0.4	0.4	0	0.4	0.4	0	0.4	0.4	0	0.4	0.4	0
Manganese	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0
Mercury	0.001	0.05	0	0.001	0.002	0	0.001	0.002	0	0.001	0.002	0	0.001	0.002	0	0.001	0.002	0	0.001	0.002	0
Molybdenum	0.008	0.008	0	0.008	0.008	0	0.008	0.008	10	0.008	0.008	37	0.008	0.008	23	0.008	0.008	33	0.008	0.008	3

Lake	Nema			Slipper			Cujo			Horseshoe			HWL2			Ross			Logan		
Statistic	Min	Max	% BDL	Min	Max	% BDL	Min	Max	% BDL	Min	Max	% BDL	Min	Max	% BDL	Min	Max	% BDL	Min	Max	% BDL
Nickel	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0
Phosphorus	2	4	0	2	4	0	2	4	0	2	4	0	2	4	0	2	4	0	2	4	0
Potassium	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0
Rubidium	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0
Selenium	0.03	0.046	0	0.034	0.048	0	0.032	0.049	0	0.031	0.042	0	0.033	0.045	0	0.028	0.051	0	0.032	0.041	0
(Dry wt) Selenium	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0
Sodium	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0
Strontium	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0
Tellurium	0.004	0.004	93	0.004	0.004	97	0.004	0.004	63	0.004	0.004	100	0.004	0.004	100	0.004	0.004	100	0.004	0.004	97
Thallium	0.0004	0.0004	0	0.0004	0.0004	0	0.0004	0.0004	0	0.0004	0.0004	0	0.0004	0.0004	0	0.0004	0.0004	0	0.0004	0.0004	0
Tin	0.02	0.02	97	0.02	0.02	97	0.02	0.02	100	0.02	0.02	100	0.02	0.02	97	0.02	0.02	93	0.02	0.02	87
Titanium	0.13	0.13	20	0.13	0.13	13	0.13	0.13	30	0.13	0.13	3	0.13	0.13	10	0.13	0.13	3	0.13	0.13	3
Uranium	0.0004	0.0004	3	0.0004	0.0004	3	0.0004	0.0004	0	0.0004	0.0004	0	0.0004	0.0004	0	0.0004	0.0004	3	0.0004	0.0004	0
Vanadium	0.02	0.02	17	0.02	0.02	0	0.02	0.02	40	0.02	0.02	30	0.02	0.02	33	0.02	0.02	33	0.02	0.02	20
Zinc	0.2	0.2	0	0.2	0.2	0	0.2	0.2	0	0.2	0.2	0	0.2	0.2	0	0.2	0.2	0	0.2	0.2	0
Zirconium	0.04	0.04	100	0.04	0.04	100	0.04	0.04	100	0.04	0.04	100	0.04	0.04	100	0.04	0.04	100	0.04	0.04	100

Notes:

BDL = below detection limit; max = maximum; min= minimum

Metal results expressed in mg/kg wet weight, except for total (dry weight) selenium where results are expressed as mg/kg dry weight. All variables analysed by Bureau Veritas Laboratories.

Table 3.8-17 Summary of Slimy Sculpin Whole Body Arsenic Concentration Data for AEMP Lakes, 2024

Lake	n	BDL (%)	Mean (mg/kg wwt)	SE (mg/kg wwt)	Min (mg/kg wwt)	Max (mg/kg wwt)	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (year)
Nanuq	30	0.0	0.027	0.002	0.011	0.049	60.1	1.76	2.30
Counts	30	0.0	0.075	0.009	0.019	0.182	61.0	2.08	2.38
Vulture	30	0.0	0.036	0.002	0.014	0.069	53.6	1.34	2.33
Northeast	30	0.0	0.033	0.005	0.015	0.169	59.6	2.00	2.50
Kodiak	30	6.7	0.011	0.001	0.004	0.028	65.9	2.61	2.50
Leslie	30	3.3	0.020	0.002	0.006	0.054	62.0	2.16	2.53
Moose	30	26.7	0.011	0.001	0.002	0.032	63.9	2.55	2.43
Nema	30	3.3	0.015	0.001	0.005	0.040	71.4	3.43	3.35
Slipper	30	6.7	0.020	0.002	0.006	0.040	59.9	2.04	2.03
Cujo	30	0.0	0.046	0.005	0.009	0.118	74.7	4.00	2.65
Horseshoe	30	0.0	0.024	0.002	0.012	0.048	69.0	3.37	2.47
HWL2	30	0.0	0.024	0.002	0.011	0.049	55.7	1.62	1.93
Ross	30	0.0	0.024	0.005	0.010	0.169	62.1	2.34	2.23
Logan	30	6.7	0.022	0.002	0.007	0.073	59.4	1.76	2.26

Notes:

BDL = below detection limit; g = gram; max = maximum value; min = minimum value; mm = millimetre; n = sample size; SE = standard error; wwt = wet weight

Summary statistics not calculated when more than 60% of the values were below detection limit.

Dash (-) indicates not applicable.

Table 3.8-18 Summary of Slimy Sculpin Whole Body Cadmium Concentration Data for AEMP Lakes, 2024

Lake	n	BDL (%)	Mean (mg/kg wwt)	SE (mg/kg wwt)	Min (mg/kg wwt)	Max (mg/kg wwt)	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (year)
Nanuq	30	6.7	0.006	0.001	0.001	0.013	60.1	1.76	2.30
Counts	30	13.3	0.009	0.002	0.001	0.026	61.0	2.08	2.38
Vulture	30	16.7	0.007	0.001	0.001	0.018	53.6	1.34	2.33
Northeast	30	0.0	0.007	0.001	0.002	0.019	59.6	2.00	2.50
Kodiak	30	3.3	0.004	0	0.001	0.008	65.9	2.61	2.50
Leslie	30	0.0	0.004	0	0.001	0.008	62.0	2.16	2.53
Moose	30	20.0	0.002	0	0.001	0.007	63.9	2.55	2.43
Nema	30	13.3	0.003	0	0.001	0.010	71.4	3.43	3.35

Lake	n	BDL (%)	Mean (mg/kg wwt)	SE (mg/kg wwt)	Min (mg/kg wwt)	Max (mg/kg wwt)	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (year)
Slipper	30	0.0	0.005	0	0.001	0.008	59.9	2.04	2.03
Cujo	30	30.0	0.007	0.001	0	0.027	74.7	4.00	2.65
Horseshoe	30	23.3	0.003	0.000	0.001	0.007	69.0	3.37	2.47
HWL2	30	0.0	0.007	0.001	0.001	0.016	55.7	1.62	1.93
Ross	30	6.7	0.006	0.001	0.001	0.011	62.1	2.34	2.23
Logan	30	0.0	0.007	0.001	0.002	0.012	59.4	1.76	2.26

Notes:

BDL = below detection limit; g = gram; max = maximum value; min = minimum value; mm = millimetre; n = sample size; SE = standard error; wwt = wet weight

Summary statistics not calculated when more than 60% of the values were below detection limit.

Table 3.8-19 Summary of Slimy Sculpin Whole Body Chromium Concentration Data for AEMP Lakes, 2024

Lake	n	BDL (%)	Mean (mg/kg wwt)	SE (mg/kg wwt)	Min (mg/kg wwt)	Max (mg/kg wwt)	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (year)
Nanuq	30	60	0.031	0.009	0.002	0.271	60.1	1.76	2.30
Counts	30	63	-	-	-	-	61.0	2.08	2.38
Vulture	30	60	0.037	0.013	0.001	0.392	53.6	1.34	2.33
Northeast	30	67	-	-	-	-	59.6	2.00	2.50
Kodiak	30	53	0.03	0.003	0.007	0.087	65.9	2.61	2.50
Leslie	30	97	-	-	-	-	62.0	2.16	2.53
Moose	30	90	-	-	-	-	63.9	2.55	2.43
Nema	30	90	-	-	-	-	71.4	3.43	3.35
Slipper	30	97	-	-	-	-	59.9	2.04	2.03
Cujo	30	80	-	-	-	-	74.7	4.00	2.65
Horseshoe	30	80	-	-	-	-	69.0	3.37	2.47
HWL2	30	57	0.029	0.004	0.004	0.101	55.7	1.62	1.93
Ross	30	97	-	-	-	-	62.1	2.34	2.23
Logan	30	90	-	-	-	-	59.4	1.76	2.26

Notes:

BDL = below detection limit; g = gram; max = maximum value; min = minimum value; mm = millimetre; n = sample size; SE = standard error; wwt = wet weight

Summary statistics not calculated when more than 60% of the values were below detection limit.

Dash (-) indicates not applicable.

Table 3.8-20 Summary of Slimy Sculpin Whole Body Lead Concentration Data for AEMP Lakes, 2024

Lake	n	BDL (%)	Mean (mg/kg wwt)	SE (mg/kg wwt)	Min (mg/kg wwt)	Max (mg/kg wwt)	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (year)
Nanuq	30	0	0.015	0.007	0.002	0.213	60.1	1.76	2.30
Counts	30	0	0.019	0.003	0.002	0.049	61.0	2.08	2.38
Vulture	30	0	0.028	0.004	0.005	0.109	53.6	1.34	2.33
Northeast	30	0	0.011	0.002	0.002	0.055	59.6	2.00	2.50
Kodiak	30	0	0.008	0.001	0.002	0.025	65.9	2.61	2.50
Leslie	30	0	0.008	0.001	0.001	0.036	62.0	2.16	2.53
Moose	30	0	0.005	0.000	0.002	0.011	63.9	2.55	2.43
Nema	30	0	0.005	0.001	0.001	0.025	71.4	3.43	3.35
Slipper	30	0	0.010	0.001	0.002	0.019	59.9	2.04	2.03
Cujo	30	17	0.006	0.002	0.000	0.047	74.7	4.00	2.65
Horseshoe	30	10	0.005	0.002	0.001	0.058	69.0	3.37	2.47
HWL2	30	0	0.016	0.003	0.003	0.068	55.7	1.62	1.93
Ross	30	0	0.005	0.001	0.002	0.014	62.1	2.34	2.23
Logan	30	0	0.005	0.001	0.002	0.022	59.4	1.76	2.26

Notes:

BDL = below detection limit; g = gram; max = maximum value; min = minimum value; mm = millimetre; n = sample size; SE = standard error; wwt = wet weight

Summary statistics not calculated when more than 60% of the values were below detection limit.

Table 3.8-21 Summary of Slimy Sculpin Whole Body Mercury Concentration Data for AEMP Lakes, 2024

Lake	n	BDL (%)	Mean (mg/kg wwt)	SE (mg/kg wwt)	Min (mg/kg wwt)	Max (mg/kg wwt)	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (year)
Nanuq	30	0	0.029	0.002	0.011	0.064	60.1	1.76	2.30
Counts	30	0	0.027	0.002	0.011	0.054	61.0	2.08	2.38
Vulture	30	0	0.027	0.002	0.009	0.058	53.6	1.34	2.33
Northeast	30	0	0.046	0.007	0.016	0.221	59.6	2.00	2.50
Kodiak	30	0	0.084	0.006	0.031	0.212	65.9	2.61	2.50
Leslie	30	0	0.085	0.005	0.024	0.149	62.0	2.16	2.53
Moose	30	0	0.064	0.003	0.015	0.093	63.9	2.55	2.43
Nema	30	0	0.090	0.012	0.002	0.345	71.4	3.43	3.35
Slipper	30	0	0.075	0.004	0.037	0.139	59.9	2.04	2.03

Lake	n	BDL (%)	Mean (mg/kg wwt)	SE (mg/kg wwt)	Min (mg/kg wwt)	Max (mg/kg wwt)	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (year)
Cujo	30	0	0.083	0.006	0.023	0.173	74.7	4.00	2.65
Horseshoe	30	0	0.063	0.006	0.018	0.127	69.0	3.37	2.47
HWL2	30	0	0.055	0.006	0.028	0.186	55.7	1.62	1.93
Ross	30	0	0.054	0.005	0.023	0.168	62.1	2.34	2.23
Logan	30	0	0.030	0.003	0.008	0.076	59.433	1.76	2.26

Notes:

BDL = below detection limit; g = gram; max = maximum value; min = minimum value; mm = millimetre; n = sample size; SE = standard error; wwt = wet weight

Summary statistics not calculated when more than 60% of the values were below detection limit.

Table 3.8-22 Summary of Slimy Sculpin Whole Body Selenium Concentration Data for AEMP Lakes, 2024

Lake	n	BDL (%)	Mean (mg/kg wwt)	SE (mg/kg wwt)	Min (mg/kg wwt)	Max (mg/kg wwt)	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (year)
Nanuq	30	0	0.730	0.035	0.380	1.320	60.1	1.76	2.30
Counts	30	0	0.772	0.069	0.349	1.480	61.0	2.08	2.38
Vulture	30	0	0.770	0.032	0.371	1.150	53.6	1.34	2.33
Northeast	30	0	0.669	0.032	0.211	1.130	59.6	2.00	2.50
Kodiak	30	0	0.631	0.037	0.297	1.120	65.9	2.61	2.50
Leslie	30	0	6.475	0.384	2.620	12.400	62.0	2.16	2.53
Moose	30	0	3.070	0.350	1.090	8.240	63.9	2.55	2.43
Nema	30	0	2.305	0.178	0.993	5.390	71.4	3.43	3.35
Slipper	30	0	1.277	0.027	1.060	1.590	59.9	2.04	2.03
Cujo	30	0	1.471	0.070	0.810	2.590	74.7	4.00	2.65
Horseshoe	30	0	0.517	0.019	0.366	0.825	69.0	3.37	2.47
HWL2	30	0	0.649	0.022	0.463	0.946	55.7	1.62	1.93
Ross	30	0	0.630	0.031	0.408	1.310	62.1	2.34	2.23
Logan	30	0	0.662	0.026	0.439	0.954	59.4	1.76	2.26

Notes:

BDL = below detection limit; g = gram; max = maximum value; min = minimum value; mm = millimetre; n = sample size; SE = standard error; wwt = wet weight

Summary statistics not calculated when more than 60% of the values were below detection limit.

3.8.8 Small-Bodied Fish QA/QC

All fish biology data collected in the field were quality controlled through a detailed data review by two ERM team members. For all data that were analysed in laboratories, initial QA/QC was completed by comparing chain of custody forms and job confirmation forms to the received results. All raw results were saved separately from working data files.

For aging analyses, 10% of all aging samples were reassessed by a second technician to QA/QC the results. All second readings were conducted independently from the original. If two independent reads differed, then the mean age was recorded for the sample.

For stomach contents samples, taxonomist QA/QC was performed on approximately 10% of stomach samples. Two taxonomists processed samples together to verify the consistency of categorizing the contents to the "higher level" categories (e.g., digested material, parts, etc.). All newly identified taxa were confirmed by an additional taxonomist for consistency in identification.

EROD QA/QC procedures were comprised of processing samples with two different sets of control tissues: liver tissue and S9 homogenate duplicates. S9 refers to a supernatant fraction obtained from liver homogenate by centrifuging at 9000 g for 20 minutes in a suitable medium. For the liver tissue duplicates, a second sample of the same liver was analysed independently for approximately every tenth sample. For the S9 duplicates, a second aliquot of the S9 homogenate was analysed for a number of samples. If the EROD-specific activity duplicate values differed, then the mean value was taken for the sample. The EROD quality control procedure also involved protein assay and blank calibrations. For the protein assay calibration, one of the standards was repeated and calculated with the calibration curve to check the calibration. For the blank calibration, a 4-(2-hydroxyethyl)piperazine-1-ethane-sulfonic acid (HEPES) buffer was run as a sample to assess if a response occurred on each plate (23 samples) for both the protein and enzyme assay.For the analysis of tissue chemistry (i.e., metals and nutrients and chlorinated phenols), both duplicate samples and method equipment blanks were processed by the laboratory. Comparison of duplicate samples was conducted to check for consistency in results obtained by the laboratory. Method blanks provided a means to assess if metals or nutrients were introduced during laboratory analysis of the fish tissue.

3.9 Large-Bodied Fish

Large-bodied fish were sampled in August and September by gillnetting for nine AEMP lakes. Sampling locations for each lake sampled are presented in Figures 2.2-5 to 2.2-13 and 2.2-15, and sampling dates are presented in Table 3.9-1.

3.9.1 Catch Per Unit Effort

Gillnetting effort, captures, and catch per unit effort (CPUE) of each species for each lake is presented in Table 3.9-1.

On August 18, 2024, gillnet number 20 in Slipper Lake was deployed for 15 min and resulted in the capture of 30 Round Whitefish and one Longnose Sucker. This very high number of Round Whitefish caught in such a short amount of time results in a CPUE outlier datapoint for Round Whitefish for Slipper Lake in 2024. However, this Round Whitefish capture number has been confirmed based on field notes and also directly by a field team member who was present.

3.9.2 Length, Weight, Condition, Sex, GSI, LSI, and Parasites

Length, weight, condition, sex, and GSI and LSI data for all fish caught with gillnetting are presented in Table 3.9-2. Length, weight, and condition data are summarized by for all fish caught by gillnetting in Table 3.9-3.

Parasite data for sacrificed Round Whitefish and incidental Lake Trout mortalities are provided for individual fish in Table 3.9-4, summarised by lake in Table 3.9-5. Sex and maturity categories for sacrificed Round Whitefish are summarised in Table 3.9-6. Gonad weights of Round Whitefish, separately for each sex, are presented in Table 3.9-7 and representative photo of female gonads are shown in Figure 3.9-1. Gonadosomatic index (GSI) and liver somatic index (LSI), calculated separately for parasitized and unparasitized Round Whitefish of each sex, are summarised in Table 3.9-8.



Fish 21, female, Counts Lake, Photo P8131072, 13-Aug-2024

Figure 3.9-1 Example of Female Gonads from Round Whitefish for AEMP Lakes, 2024

3.9.3 Age

Ageing structures were collected from sacrificed Round Whitefish (otoliths as primary structures with scales and fin clips as secondary backup) and non-lethally sampled Lake Trout (fin clips as primary structures and scales as secondary backup). Ageing structures were analysed by North/South Consultants Ltd. Summary statistics for Lake Trout and Round Whitefish age are presented in Table 3.9-9 and individual fish ages in Table 3.9-2.

3.9.4 Diet

Stomachs were collected from sacrificed Round Whitefish and were submitted for taxonomic analysis by Biologica Environmental Services. Lake Trout and stomach contents by taxonomic abundance are presented in Table 3.9-10 and by dry weight in Table 3.9-11. Round Whitefish stomach contents by taxonomic abundance are presented in Table 3.9-12 and by dry weight in Table 3.9-13.

Table 3.9-1 Gillnetting Effort, Captures, and Catch Per Unit Effort for AEMP Lakes, 2024

Lake	Gillnet Number	Time Set		Time Pulled		Effort	Number of Fish						CPUE (Number of Fish / 100 m^2 of gillnet / hour)				
		Date	Time	Date	Time	Hours	LKTR	RDWH	ARGR	LKWH	LNSU	Total	LKTR	RDWH	ARGR	LKWH	LNSU
Nanuq	5	30-Aug-2024	1:28	30-Aug-2024	1:52	0.40	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	1	30-Aug-2024	10:49	-	-	-	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	2	30-Aug-2024	11:20	30-Aug-2024	11:36	0.27	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	3	30-Aug-2024	11:58	30-Aug-2024	12:17	0.32	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	4	30-Aug-2024	12:38	30-Aug-2024	12:50	0.20	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	6	1-Sep-2024	9:40	1-Sep-2024	10:20	0.67	0	2	0	0	0	2	0.00	2.69	0.00	0.00	0.00
Nanuq	7	1-Sep-2024	9:54	1-Sep-2024	11:18	1.40	1	12	0	0	0	13	0.64	7.68	0.00	0.00	0.00
Nanuq	8	1-Sep-2024	11:03	-	-	-	0	-	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	9	3-Sep-2024	10:15	3-Sep-2024	11:10	0.92	1	0	0	0	0	1	0.98	0.00	0.00	0.00	0.00
Nanuq	10	3-Sep-2024	10:25	3-Sep-2024	11:00	0.58	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	11	3-Sep-2024	11:15	3-Sep-2024	12:10	0.92	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	12	3-Sep-2024	11:22	3-Sep-2024	12:22	1.00	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	13	3-Sep-2024	12:15	3-Sep-2024	13:25	1.17	3	0	0	0	0	3	2.30	0.00	0.00	0.00	0.00
Nanuq	14	3-Sep-2024	12:30	3-Sep-2024	13:00	0.50	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	15	3-Sep-2024	13:15	3-Sep-2024	14:20	1.08	1	0	0	0	0	1	0.83	0.00	0.00	0.00	0.00
Nanuq	16	3-Sep-2024	13:35	3-Sep-2024	14:40	1.08	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	17	3-Sep-2024	14:30	3-Sep-2024	15:40	1.17	1	1	0	0	0	2	0.77	0.77	0.00	0.00	0.00
Nanuq	18	3-Sep-2024	14:47	3-Sep-2024	15:25	0.63	1	0	0	0	0	1	1.41	0.00	0.00	0.00	0.00
Nanuq	19	6-Sep-2024	12:38	6-Sep-2024	13:04	0.43	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	20	6-Sep-2024	13:13	6-Sep-2024	13:40	0.45	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	21	6-Sep-2024	14:03	6-Sep-2024	14:29	0.43	1	0	0	0	0	1	2.07	0.00	0.00	0.00	0.00
Nanuq	22	6-Sep-2024	15:09	6-Sep-2024	15:40	0.52	1	0	0	0	0	1	1.73	0.00	0.00	0.00	0.00
Nanuq	23	7-Sep-2024	10:04	7-Sep-2024	10:28	0.40	1	0	0	0	0	1	2.24	0.00	0.00	0.00	0.00
Nanuq	24	7-Sep-2024	10:46	7-Sep-2024	11:18	0.53	1	0	0	0	0	1	1.68	0.00	0.00	0.00	0.00
Nanuq	25	7-Sep-2024	11:32	7-Sep-2024	12:01	0.48	0	2	0	0	0	2	0.00	3.71	0.00	0.00	0.00
Nanuq	26	7-Sep-2024	14:03	7-Sep-2024	14:25	0.37	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	27	7-Sep-2024	14:38	7-Sep-2024	15:10	0.53	0	1	0	0	0	1	0.00	1.68	0.00	0.00	0.00
Nanuq	28	8-Sep-2024	10:47	8-Sep-2024	11:08	0.35	0	1	0	0	0	1	0.00	2.56	0.00	0.00	0.00
Nanuq	29	8-Sep-2024	12:35	8-Sep-2024	12:56	0.35	0	1	0	0	0	1	0.00	2.56	0.00	0.00	0.00
Nanuq	30	8-Sep-2024	13:28	8-Sep-2024	13:53	0.42	1	2	0	0	0	3	2.15	4.30	0.00	0.00	0.00

Lake	Gillnet Number	Time Set		Time Pulled		Effort	Number of Fish						CPUE (Number of Fish / 100 m^2 of gillnet / hour)				
		Date	Time	Date	Time	Hours	LKTR	RDWH	ARGR	LKWH	LNSU	Total	LKTR	RDWH	ARGR	LKWH	LNSU
Nanuq	31	8-Sep-2024	14:10	8-Sep-2024	14:35	0.42	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	32	8-Sep-2024	15:04	8-Sep-2024	15:26	0.37	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	33	8-Sep-2024	15:35	8-Sep-2024	15:45	0.17	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	34	9-Sep-2024	12:38	9-Sep-2024	13:11	0.55	0	1	0	0	0	1	0.00	1.63	0.00	0.00	0.00
Nanuq	35	9-Sep-2024	13:42	9-Sep-2024	14:05	0.38	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	36	9-Sep-2024	14:19	9-Sep-2024	14:50	0.52	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	37	9-Sep-2024	14:58	9-Sep-2024	15:34	0.60	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	38	10-Sep-2024	10:14	10-Sep-2024	10:40	0.43	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	39	11-Sep-2024	10:11	11-Sep-2024	10:38	0.45	0	1	0	0	0	1	0.00	1.99	0.00	0.00	0.00
Nanuq	40	11-Sep-2024	11:34	11-Sep-2024	12:02	0.47	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	41	11-Sep-2024	12:13	11-Sep-2024	12:52	0.65	0	4	0	0	0	4	0.00	5.51	0.00	0.00	0.00
Nanuq	42	11-Sep-2024	13:21	11-Sep-2024	13:41	0.33	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	43	11-Sep-2024	13:58	11-Sep-2024	14:21	0.38	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	44	11-Sep-2024	15:01	11-Sep-2024	15:32	0.52	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	45	11-Sep-2024	15:38	11-Sep-2024	15:55	0.28	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	46	12-Sep-2024	10:06	12-Sep-2024	10:33	0.45	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	47	12-Sep-2024	10:49	12-Sep-2024	11:10	0.35	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	48	12-Sep-2024	11:24	12-Sep-2024	11:59	0.58	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	49	12-Sep-2024	12:16	12-Sep-2024	13:12	0.93	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	50	12-Sep-2024	13:30	12-Sep-2024	13:51	0.35	0	1	0	0	0	1	0.00	2.56	0.00	0.00	0.00
Nanuq	51	12-Sep-2024	14:10	12-Sep-2024	14:31	0.35	1	3	0	0	0	4	2.56	7.68	0.00	0.00	0.00
Nanuq	52	12-Sep-2024	14:48	12-Sep-2024	15:21	0.55	2	6	0	0	0	8	3.26	9.78	0.00	0.00	0.00
Nanuq	53	12-Sep-2024	15:28	12-Sep-2024	15:50	0.37	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	54	13-Sep-2024	12:29	13-Sep-2024	12:49	0.33	0	1	0	0	0	1	0.00	2.72	0.00	0.00	0.00
Nanuq	55	13-Sep-2024	12:46	13-Sep-2024	13:10	0.40	0	3	0	0	0	3	0.00	6.72	0.00	0.00	0.00
Nanuq	56	13-Sep-2024	13:03	13-Sep-2024	13:32	0.48	1	2	0	0	0	3	1.87	3.73	0.00	0.00	0.00
Nanuq	57	13-Sep-2024	13:35	13-Sep-2024	14:02	0.45	0	2	0	0	0	2	0.00	3.98	0.00	0.00	0.00
Nanuq	59	13-Sep-2024	14:18	13-Sep-2024	15:18	1.00	1	2	0	0	0	3	0.90	1.79	0.00	0.00	0.00
Nanuq	58	14-Sep-2024	11:32	14-Sep-2024	11:53	0.33	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	60	14-Sep-2024	11:39	14-Sep-2024	12:01	0.37	1	0	0	0	0	1	2.42	0.00	0.00	0.00	0.00
Nanuq	61	14-Sep-2024	12:15	14-Sep-2024	12:47	0.53	2	0	0	0	0	2	3.38	0.00	0.00	0.00	0.00

Lake	Gillnet Number	Time Set		Time Pulled		Effort	Number of Fish						CPUE (Number of Fish / 100 m^2 of gillnet / hour)				
		Date	Time	Date	Time	Hours	LKTR	RDWH	ARGR	LKWH	LNSU	Total	LKTR	RDWH	ARGR	LKWH	LNSU
Nanuq	62	14-Sep-2024	12:39	14-Sep-2024	13:15	0.60	0	1	0	0	0	1	0.00	1.49	0.00	0.00	0.00
Nanuq	63	14-Sep-2024	13:00	14-Sep-2024	13:38	0.63	0	6	0	0	0	6	0.00	8.53	0.00	0.00	0.00
Nanuq	64	14-Sep-2024	13:27	14-Sep-2024	13:56	0.48	1	3	0	0	0	4	1.87	5.60	0.00	0.00	0.00
Nanuq	65	14-Sep-2024	13:46	14-Sep-2024	14:10	0.40	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	66	14-Sep-2024	14:04	14-Sep-2024	14:32	0.47	0	3	0	0	0	3	0.00	5.72	0.00	0.00	0.00
Nanuq	67	14-Sep-2024	14:14	14-Sep-2024	14:42	0.47	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	68	14-Sep-2024	14:35	14-Sep-2024	15:00	0.42	0	5	0	0	0	5	0.00	10.67	0.00	0.00	0.00
Nanuq	69	14-Sep-2024	14:50	14-Sep-2024	15:10	0.33	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nanuq	70	14-Sep-2024	15:25	14-Sep-2024	16:06	0.68	0	5	0	0	0	5	0.00	6.59	0.00	0.00	0.00
Nanuq	71	16-Sep-2024	11:07	16-Sep-2024	11:36	0.48	1	2	0	0	0	3	1.87	3.73	0.00	0.00	0.00
Nanuq	72	16-Sep-2024	11:18	16-Sep-2024	11:55	0.62	1	13	0	0	0	14	1.45	18.79	0.00	0.00	0.00
Nanuq	73	16-Sep-2024	11:44	16-Sep-2024	12:15	0.52	0	1	0	0	0	1	0.00	1.72	0.00	0.00	0.00
Nanuq	74	16-Sep-2024	12:09	16-Sep-2024	12:38	0.48	0	1	0	0	0	1	0.00	1.87	0.00	0.00	0.00
Nanuq	75	16-Sep-2024	12:25	16-Sep-2024	12:59	0.57	1	0	0	0	0	1	1.57	0.00	0.00	0.00	0.00
Nanuq	76	16-Sep-2024	12:51	16-Sep-2024	13:27	0.60	1	1	0	0	0	2	1.49	1.49	0.00	0.00	0.00
Nanuq	77	16-Sep-2024	13:20	16-Sep-2024	13:56	0.60	1	8	0	0	0	9	1.49	11.95	0.00	0.00	0.00
Nanuq	78	16-Sep-2024	13:33	16-Sep-2024	14:12	0.65	1	7	0	0	0	8	1.38	9.65	0.00	0.00	0.00
Counts	1	13-Aug-2024	11:00	13-Aug-2024	11:28	0.47	0	1	0	0	0	1	0.00	1.92	0.00	0.00	0.00
Counts	2	13-Aug-2024	11:10	13-Aug-2024	11:30	0.33	1	1	0	0	0	2	2.69	2.69	0.00	0.00	0.00
Counts	3	13-Aug-2024	14:48	13-Aug-2024	-	-	0	3	0	0	0	3	0.00	0.00	0.00	0.00	0.00
Counts	4	15-Aug-2024	13:12	15-Aug-2024	-	-	1	0	0	0	0	1	0.00	0.00	0.00	0.00	0.00
Counts	5	15-Aug-2024	14:12	15-Aug-2024	-	-	0	4	0	0	0	4	0.00	0.00	0.00	0.00	0.00
Counts	6	20-Aug-2024	10:01	20-Aug-2024	-	-	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Counts	7	20-Aug-2024	10:05	20-Aug-2024	-	-	0	4	0	0	0	4	0.00	0.00	0.00	0.00	0.00
Counts	8	20-Aug-2024	10:22	20-Aug-2024	-	-	1	3	0	0	0	4	0.00	0.00	0.00	0.00	0.00
Counts	9	20-Aug-2024	12:12	20-Aug-2024	-	-	3	0	0	0	0	3	0.00	0.00	0.00	0.00	0.00
Counts	10	20-Aug-2024	12:39	20-Aug-2024	-	-	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Counts	11	20-Aug-2024	13:13	20-Aug-2024	-	-	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Counts	12	20-Aug-2024	13:38	20-Aug-2024	-	-	1	1	0	0	0	2	0.00	0.00	0.00	0.00	0.00
Counts	13	20-Aug-2024	14:07	20-Aug-2024	-	-	1	0	0	0	0	1	0.00	0.00	0.00	0.00	0.00
Counts	14	20-Aug-2024	14:28	20-Aug-2024	-	-	0	2	0	0	0	2	0.00	0.00	0.00	0.00	0.00

Lake	Gillnet Number	Time Set		Time Pulled		Effort	Number of Fish						CPUE (Number of Fish / 100 m^2 of gillnet / hour)				
		Date	Time	Date	Time	Hours	LKTR	RDWH	ARGR	LKWH	LNSU	Total	LKTR	RDWH	ARGR	LKWH	LNSU
Counts	15	20-Aug-2024	14:44	20-Aug-2024	-	-	4	0	0	0	0	4	0.00	0.00	0.00	0.00	0.00
Counts	16	20-Aug-2024	15:08	20-Aug-2024	-	-	0	1	0	0	0	1	0.00	0.00	0.00	0.00	0.00
Counts	17	21-Aug-2024	9:08	21-Aug-2024	-	-	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Counts	18	21-Aug-2024	9:14	21-Aug-2024	-	-	1	3	0	0	0	4	0.00	0.00	0.00	0.00	0.00
Counts	19	21-Aug-2024	9:27	21-Aug-2024	-	-	3	0	0	0	0	3	0.00	0.00	0.00	0.00	0.00
Counts	20	21-Aug-2024	10:11	21-Aug-2024	-	-	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Counts	21	21-Aug-2024	10:17	21-Aug-2024	-	-	2	2	0	0	0	4	0.00	0.00	0.00	0.00	0.00
Counts	22	21-Aug-2024	10:33	21-Aug-2024	-	-	1	0	0	0	0	1	0.00	0.00	0.00	0.00	0.00
Counts	25	22-Aug-2024	9:15	22-Aug-2024	9:27	0.20	0	1	0	0	0	1	0.00	4.48	0.00	0.00	0.00
Counts	26	22-Aug-2024	9:41	22-Aug-2024	9:52	0.18	1	4	0	0	0	5	4.89	19.55	0.00	0.00	0.00
Counts	27	22-Aug-2024	10:31	22-Aug-2024	10:44	0.22	2	0	0	0	0	2	8.27	0.00	0.00	0.00	0.00
Counts	28	22-Aug-2024	11:10	22-Aug-2024	11:22	0.20	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Counts	29	22-Aug-2024	11:35	22-Aug-2024	11:48	0.22	1	0	0	0	0	1	4.14	0.00	0.00	0.00	0.00
Counts	30	22-Aug-2024	12:25	22-Aug-2024	12:37	0.20	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Counts	31	22-Aug-2402	12:54	22-Aug-2024	13:06	0.20	1	0	0	0	0	1	4.48	0.00	0.00	0.00	0.00
Counts	23	22-Aug-2024	-	22-Aug-2024	-	-	0	0	0	0	0	-	0.00	0.00	0.00	0.00	0.00
Counts	24	22-Aug-2024	-	22-Aug-2024	-	-	0	0	0	0	0	-	0.00	0.00	0.00	0.00	0.00
Vulture	1	6-Aug-2024	15:39	6-Aug-2024	16:00	0.35	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Vulture	2	8-Aug-2024	14:00	8-Aug-2024	14:30	0.50	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Vulture	3	9-Aug-2024	-	9-Aug-2024	-	1.00	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Vulture	4	9-Aug-2024	-	9-Aug-2024	-	1.00	2	0	0	0	0	2	1.79	0.00	0.00	0.00	0.00
Vulture	5	9-Aug-2024	-	9-Aug-2024	-	1.25	1	0	0	0	0	1	0.72	0.00	0.00	0.00	0.00
Vulture	51	31-Aug-2024	9:35	31-Aug-2024	10:35	1.00	1	0	1	0	0	2	0.00	0.00	0.00	0.00	0.00
Vulture	6	31-Aug-2024	10:35	31-Aug-2024	11:35	1.00	1	0	1	0	0	2	0.90	0.00	0.90	0.00	0.00
Vulture	7	31-Aug-2024	10:40	31-Aug-2024	11:50	1.17	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Vulture	8	31-Aug-2024	11:45	31-Aug-2024	13:05	1.33	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Vulture	9	31-Aug-2024	12:10	31-Aug-2024	13:15	1.08	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Vulture	10	31-Aug-2024	13:25	31-Aug-2024	14:27	1.03	0	0	1	0	0	1	0.00	0.00	0.87	0.00	0.00
Vulture	11	31-Aug-2024	13:31	31-Aug-2024	14:35	1.07	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Vulture	12	31-Aug-2024	14:43	31-Aug-2024	15:42	0.98	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Vulture	13	31-Aug-2024	14:50	31-Aug-2024	15:30	0.67	1	0	0	0	0	1	1.34	0.00	0.00	0.00	0.00

Lake	Gillnet Number	Time Set		Time Pulled		Effort	Number of Fish						CPUE (Number of Fish / 100 m^2 of gillnet / hour)				
		Date	Time	Date	Time	Hours	LKTR	RDWH	ARGR	LKWH	LNSU	Total	LKTR	RDWH	ARGR	LKWH	LNSU
Vulture	14	1-Sep-2024	10:45	1-Sep-2024	11:55	1.17	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Vulture	15	1-Sep-2024	10:55	1-Sep-2024	12:05	1.17	1	0	0	0	0	1	0.77	0.00	0.00	0.00	0.00
Vulture	16	1-Sep-2024	12:00	1-Sep-2024	13:05	1.08	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Vulture	17	1-Sep-2024	12:10	1-Sep-2024	13:17	1.12	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Vulture	18	1-Sep-2024	13:12	1-Sep-2024	14:26	1.23	1	0	0	0	0	1	0.73	0.00	0.00	0.00	0.00
Vulture	19	1-Sep-2024	13:25	1-Sep-2024	14:42	1.28	2	0	0	0	0	2	1.40	0.00	0.00	0.00	0.00
Vulture	20	1-Sep-2024	14:33	1-Sep-2024	15:35	1.03	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Vulture	21	1-Sep-2024	14:45	1-Sep-2024	15:45	1.00	1	0	0	0	0	1	0.90	0.00	0.00	0.00	0.00
Vulture	50	2-Sep-2024	9:30	2-Sep-2024	9:55	0.42	0	0	0	0	0	1	0.00	0.00	0.00	0.00	0.00
Vulture	22	8-Sep-2024	11:42	8-Sep-2024	12:21	0.65	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Vulture	23	8-Sep-2024	11:55	8-Sep-2024	12:48	0.88	7	0	0	0	0	7	7.10	0.00	0.00	0.00	0.00
Vulture	24	8-Sep-2024	12:30	8-Sep-2024	14:33	2.05	1	0	0	0	0	4	0.44	0.00	0.00	0.00	0.00
Vulture	25	8-Sep-2024	14:49	8-Sep-2024	15:08	0.32	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Vulture	26	8-Sep-2024	15:23	8-Sep-2024	16:16	0.88	3	0	0	0	0	3	3.04	0.00	0.00	0.00	0.00
Kodiak	1	24-Aug-2024	10:50	24-Aug-2024	11:02	0.20	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Kodiak	2	24-Aug-2024	11:32	24-Aug-2024	11:45	0.22	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Kodiak	3	24-Aug-2024	11:45	24-Aug-2024	12:17	0.53	1	0	0	0	0	1	1.69	0.00	0.00	0.00	0.00
Kodiak	4	24-Aug-2024	12:26	24-Aug-2024	13:24	0.97	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Kodiak	5	24-Aug-2024	13:33	24-Aug-2024	13:56	0.38	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Kodiak	6	24-Aug-2024	13:52	24-Aug-2024	14:11	0.32	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Kodiak	7	24-Aug-2024	14:05	24-Aug-2024	14:32	0.45	3	2	2	0	0	7	5.97	3.98	3.98	0.00	0.00
Kodiak	8	24-Aug-2024	14:24	24-Aug-2024	14:58	0.57	1	1	1	0	0	3	1.57	1.57	1.57	0.00	0.00
Kodiak	9	24-Aug-2024	14:55	24-Aug-2024	15:12	0.28	4	2	2	0	0	8	12.80	6.40	6.40	0.00	0.00
Kodiak	10	24-Aug-2024	15:09	24-Aug-2024	15:54	0.75	3	6	1	0	0	10	3.58	7.17	1.19	0.00	0.00
Kodiak	11	25-Aug-2024	9:12	25-Aug-2024	9:24	0.20	0	1	1	0	0	2	0.00	4.48	4.48	0.00	0.00
Kodiak	12	25-Aug-2024	9:51	25-Aug-2024	10:03	0.20	2	3	2	0	0	7	8.96	13.44	8.96	0.00	0.00
Kodiak	13	25-Aug-2024	10:38	25-Aug-2024	10:57	0.32	0	0	2	0	0	2	0.00	0.00	5.60	0.00	0.00
Kodiak	14	25-Aug-2024	11:10	25-Aug-2024	11:23	0.22	0	2	2	0	0	4	0.00	8.15	8.15	0.00	0.00
Kodiak	15	25-Aug-2024	11:50	25-Aug-2024	12:04	0.23	3	2	0	0	0	5	11.69	7.79	0.00	0.00	0.00
Kodiak	16	25-Aug-2024	13:16	25-Aug-2024	13:29	0.22	5	5	1	0	1	12	20.36	20.36	4.07	0.00	4.07
Leslie	2	29-Aug-2024	11:25	29-Aug-2024	11:42	0.28	2	4	0	0	0	6	6.33	12.65	0.00	0.00	0.00

Lake	Gillnet Number	Time Set		Time Pulled		Effort	Number of Fish						CPUE (Number of Fish / 100 m^2 of gillnet / hour)				
		Date	Time	Date	Time	Hours	LKTR	RDWH	ARGR	LKWH	LNSU	Total	LKTR	RDWH	ARGR	LKWH	LNSU
Leslie	3	29-Aug-2024	12:54	29-Aug-2024	13:13	0.32	3	2	0	0	0	5	8.49	5.66	0.00	0.00	0.00
Leslie	4	29-Aug-2024	13:51	29-Aug-2024	14:07	0.27	0	2	0	0	0	2	0.00	6.72	0.00	0.00	0.00
Leslie	5	29-Aug-2024	14:18	29-Aug-2024	14:39	0.35	5	1	0	0	0	6	12.80	2.56	0.00	0.00	0.00
Leslie	6	29-Aug-2024	15:11	29-Aug-2024	15:26	0.25	0	0	1	0	0	1	0.00	0.00	3.58	0.00	0.00
Leslie	7	29-Aug-2024	15:34	29-Aug-2024	15:46	0.20	2	0	0	0	0	2	8.96	0.00	0.00	0.00	0.00
Leslie	8	30-Aug-2024	9:20	30-Aug-2024	9:40	0.33	2	1	1	0	0	4	5.38	2.69	2.69	0.00	0.00
Leslie	9	30-Aug-2024	9:50	30-Aug-2024	10:15	0.42	0	6	0	0	0	6	0.00	12.90	0.00	0.00	0.00
Leslie	1	30-Aug-2024	11:05	29-Aug-2024	11:15	0.17	0	1	0	0	0	1	0.00	5.38	0.00	0.00	0.00
Leslie	10	30-Aug-2024	11:15	30-Aug-2024	11:30	0.25	4	0	0	0	0	4	14.34	0.00	0.00	0.00	0.00
Leslie	11	30-Aug-2024	11:40	30-Aug-2024	12:00	0.33	3	1	0	0	0	4	8.06	2.69	0.00	0.00	0.00
Leslie	12	30-Aug-2024	12:15	30-Aug-2024	12:45	0.50	4	0	0	0	0	4	7.17	0.00	0.00	0.00	0.00
Leslie	13	30-Aug-2024	12:55	30-Aug-2024	13:15	0.33	2	1	2	0	0	5	5.38	2.69	5.38	0.00	0.00
Leslie	14	30-Aug-2024	13:24	30-Aug-2024	13:40	0.27	0	1	2	0	0	3	0.00	3.36	6.72	0.00	0.00
Leslie	15	30-Aug-2024	13:50	30-Aug-2024	14:10	0.33	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Leslie	16	30-Aug-2024	14:20	30-Aug-2024	14:30	0.17	2	0	0	0	0	2	10.75	0.00	0.00	0.00	0.00
Leslie	17	30-Aug-2024	14:45	30-Aug-2024	14:55	0.17	3	0	0	0	0	3	16.13	0.00	0.00	0.00	0.00
Leslie	18	30-Aug-2024	15:10	30-Aug-2024	15:25	0.25	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Leslie	19	30-Aug-2024	15:30	30-Aug-2024	15:45	0.25	0	1	1	0	0	2	0.00	3.58	3.58	0.00	0.00
Leslie	20	30-Aug-2024	15:55	30-Aug-2024	16:10	0.25	1	1	0	0	0	2	3.58	3.58	0.00	0.00	0.00
Moose	1	23-Aug-2024	10:33	23-Aug-2024	10:45	0.20	1	9	0	0	0	10	4.48	40.32	0.00	0.00	0.00
Moose	2	23-Aug-2024	12:36	23-Aug-2024	12:48	0.20	4	1	0	0	0	5	17.92	4.48	0.00	0.00	0.00
Moose	4	23-Aug-2024	13:33	23-Aug-2024	13:45	0.20	3	2	0	0	0	5	13.44	8.96	0.00	0.00	0.00
Moose	5	23-Aug-2024	14:10	23-Aug-2024	14:18	0.13	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Moose	6	23-Aug-2024	14:35	23-Aug-2024	14:48	0.22	0	4	0	0	0	4	0.00	16.29	0.00	0.00	0.00
Moose	7	23-Aug-2024	14:59	23-Aug-2024	15:12	0.22	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Moose	8	23-Aug-2024	15:22	23-Aug-2024	15:35	0.22	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Moose	3	23-Aug-2024	1:40	23-Aug-2024	13:21	0.23	1	0	0	0	0	1	3.90	0.00	0.00	0.00	0.00
Moose	10	26-Aug-2024	10:41	26-Aug-2024	10:52	0.18	4	5	0	0	0	9	19.91	24.89	0.00	0.00	0.00
Moose	11	26-Aug-2024	12:30	26-Aug-2402	12:42	0.20	0	1	0	0	0	1	0.00	4.48	0.00	0.00	0.00
Moose	12	26-Aug-2024	12:52	26-Aug-2024	13:02	0.17	2	0	0	0	0	2	10.54	0.00	0.00	0.00	0.00
Moose	13	26-Aug-2024	13:15	26-Aug-2024	13:27	0.20	2	3	1	0	0	6	8.96	13.44	4.48	0.00	0.00

Lake	Gillnet Number	Time Set		Time Pulled		Effort	Number of Fish						CPUE (Number of Fish / 100 m^2 of gillnet / hour)				
		Date	Time	Date	Time	Hours	LKTR	RDWH	ARGR	LKWH	LNSU	Total	LKTR	RDWH	ARGR	LKWH	LNSU
Moose	14	26-Aug-2024	13:55	26-Aug-2024	14:07	0.20	0	1	1	0	0	2	0.00	4.48	4.48	0.00	0.00
Moose	15	26-Aug-2024	14:30	26-Aug-2024	14:42	0.20	3	2	0	0	0	5	13.44	8.96	0.00	0.00	0.00
Nema	2	29-Aug-2024	12:35	29-Aug-2024	12:48	0.22	0	3	0	0	0	3	0.00	12.41	0.00	0.00	0.00
Nema	1	29-Aug-2024	13:01	29-Aug-2024	13:16	0.25	0	3	0	0	2	5	0.00	10.75	0.00	0.00	7.17
Nema	3	29-Aug-2024	13:10	29-Aug-2024	13:24	0.23	1	0	0	0	0	1	3.84	0.00	0.00	0.00	0.00
Nema	4	29-Aug-2024	13:34	29-Aug-2024	13:56	0.20	1	1	0	0	0	2	4.48	4.48	0.00	0.00	0.00
Nema	5	29-Aug-2024	14:03	29-Aug-2024	14:27	0.40	5	3	0	0	0	8	11.20	6.72	0.00	0.00	0.00
Nema	6	29-Aug-2024	15:15	29-Aug-2024	15:35	0.33	0	1	0	0	0	1	0.00	2.69	0.00	0.00	0.00
Nema	7	29-Aug-2024	15:44	29-Aug-2024	15:56	0.20	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nema	8	29-Aug-2024	16:17	29-Aug-2024	16:33	0.27	1	2	0	0	0	3	3.36	6.72	0.00	0.00	0.00
Nema	9	2-Sep-2024	9:00	2-Sep-2024	9:14	0.23	1	8	0	0	0	9	3.84	30.72	0.00	0.00	0.00
Nema	10	2-Sep-2024	9:23	2-Sep-2024	9:31	0.13	1	1	0	0	0	2	6.72	6.72	0.00	0.00	0.00
Nema	11	2-Sep-2024	9:44	2-Sep-2024	9:59	0.25	1	3	0	0	0	4	3.58	10.75	0.00	0.00	0.00
Nema	12	2-Sep-2024	10:22	2-Sep-2024	10:39	0.28	0	1	0	0	0	1	0.00	3.16	0.00	0.00	0.00
Nema	13	2-Sep-2024	10:50	2-Sep-2024	11:06	0.27	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nema	14	2-Sep-2024	11:16	2-Sep-2024	11:46	0.50	2	0	0	0	0	2	3.58	0.00	0.00	0.00	0.00
Nema	15	2-Sep-2024	11:58	2-Sep-2024	12:31	0.55	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nema	16	2-Sep-2024	13:04	2-Sep-2024	13:36	0.53	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nema	17	2-Sep-2024	13:44	2-Sep-2024	14:14	0.50	2	5	0	0	0	7	3.58	8.96	0.00	0.00	0.00
Nema	18	2-Sep-2024	14:27	2-Sep-2024	15:10	0.72	1	1	0	0	0	2	1.25	1.25	0.00	0.00	0.00
Nema	19	2-Sep-2024	15:20	2-Sep-2024	15:44	0.40	0	1	0	0	0	1	0.00	2.24	0.00	0.00	0.00
Nema	20	4-Sep-2024	10:00	4-Sep-2024	10:25	0.42	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nema	21	4-Sep-2024	10:30	4-Sep-2024	10:50	0.33	0	2	0	0	0	2	0.00	5.38	0.00	0.00	0.00
Nema	22	9-Sep-2024	11:24	9-Sep-2024	11:52	0.47	2	2	0	0	0	4	3.81	3.81	0.00	0.00	0.00
Nema	23	9-Sep-2024	13:03	9-Sep-2024	13:26	0.38	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nema	24	9-Sep-2024	13:37	9-Sep-2024	14:00	0.38	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nema	25	9-Sep-2024	14:11	9-Sep-2024	14:33	0.37	1	0	0	0	0	1	2.42	0.00	0.00	0.00	0.00
Nema	26	9-Sep-2024	14:40	9-Sep-2024	15:11	0.52	1	0	0	0	0	1	1.72	0.00	0.00	0.00	0.00
Nema	27	9-Sep-2024	15:16	9-Sep-2024	15:44	0.47	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nema	28	10-Sep-2024	10:40	10-Sep-2024	11:08	0.47	0	4	0	0	0	4	0.00	7.63	0.00	0.00	0.00
Nema	29	10-Sep-24	11:18	10-Sep-2024	11:38	0.33	0	2	0	0	0	2	0.00	5.43	0.00	0.00	0.00

Lake	Gillnet Number	Time Set		Time Pulled		Effort	Number of Fish						CPUE (Number of Fish / 100 m^2 of gillnet / hour)				
		Date	Time	Date	Time	Hours	LKTR	RDWH	ARGR	LKWH	LNSU	Total	LKTR	RDWH	ARGR	LKWH	LNSU
Nema	30	10-Sep-2024	11:59	10-Sep-2024	12:33	0.57	0	0	1	0	0	1	0.00	0.00	1.57	0.00	0.00
Nema	31	10-Sep-2024	12:42	10-Sep-2024	13:09	0.45	0	3	0	0	0	3	0.00	5.97	0.00	0.00	0.00
Nema	32	15-Sep-2024	12:05	15-Sep-2024	12:28	0.38	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Nema	33	15-Sep-2024	12:41	15-Sep-2024	13:15	0.57	1	1	0	0	0	2	1.57	1.57	0.00	0.00	0.00
Slipper	1	16-Aug-2024	9:42	16-Aug-2024	9:58	0.27	2	0	0	0	0	2	6.72	0.00	0.00	0.00	0.00
Slipper	2	16-Aug-2024	12:14	16-Aug-2024	12:25	0.18	0	3	0	0	0	3	0.00	14.66	0.00	0.00	0.00
Slipper	3	16-Aug-2024	13:36	16-Aug-2024	13:46	0.17	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Slipper	4	16-Aug-2024	14:00	16-Aug-2024	14:13	0.22	1	3	1	0	0	5	4.14	12.41	4.14	0.00	0.00
Slipper	5	17-Aug-2024	8:20	17-Aug-2024	8:36	0.27	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Slipper	6	17-Aug-2024	8:46	17-Aug-2024	8:57	0.18	1	2	0	0	0	3	4.89	9.78	0.00	0.00	0.00
Slipper	6	17-Aug-2024	9:22	-	-	-	0	0	0	0	0	0	-	-	-	0.00	0.00
Slipper	7	17-Aug-2024	10:31	17-Aug-2024	10:43	0.20	1	3	0	0	0	4	4.48	13.44	0.00	0.00	0.00
Slipper	8	17-Aug-2024	12:01	17-Aug-2024	12:12	0.18	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Slipper	9	17-Aug-2024	12:29	17-Aug-2024	12:45	0.27	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Slipper	10	17-Aug-2024	12:52	17-Aug-2024	13:12	0.33	0	4	0	0	0	4	0.00	10.75	0.00	0.00	0.00
Slipper	11	17-Aug-2024	13:41	17-Aug-2024	13:56	0.25	1	2	0	0	0	3	3.58	7.17	0.00	0.00	0.00
Slipper	12	17-Aug-2024	14:46	17-Aug-2024	15:06	0.33	0	4	0	0	0	4	0.00	10.75	0.00	0.00	0.00
Slipper	13	17-Aug-2024	15:46	17-Aug-2024	15:55	0.15	0	2	0	0	0	2	0.00	11.95	0.00	0.00	0.00
Slipper	14	18-Aug-2024	7:56	18-Aug-2024	8:09	0.22	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Slipper	15	18-Aug-2024	9:32	18-Aug-2024	10:01	0.48	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Slipper	16	18-Aug-2024	9:58	18-Aug-2024	10:38	0.67	5	3	0	0	0	8	6.72	4.03	0.00	0.00	0.00
Slipper	17	18-Aug-2024	12:56	18-Aug-2024	13:09	0.22	0	1	0	0	0	1	0.00	4.14	0.00	0.00	0.00
Slipper	18	18-Aug-2024	13:30	18-Aug-2024	13:43	0.22	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Slipper	19	18-Aug-2024	13:53	18-Aug-2024	14:12	0.32	2	0	0	0	0	2	5.66	0.00	0.00	0.00	0.00
Slipper	20	18-Aug-2024	14:21	18-Aug-2024	14:36	0.25	0	30	0	0	1	31	0.00	107.53	0.00	0.00	3.58
Slipper	21	19-Aug-2024	8:00	19-Aug-2024	8:13	0.22	0	2	1	0	0	3	0.00	8.27	4.14	0.00	0.00
Slipper	22	19-Aug-2024	8:33	19-Aug-2024	8:51	0.30	0	1	0	0	1	2	0.00	2.99	0.00	0.00	2.99
Slipper	23	19-Aug-2024	9:02	19-Aug-2024	9:21	0.32	0	2	0	0	0	2	0.00	5.66	0.00	0.00	0.00
Slipper	24	19-Aug-2024	9:32	19-Aug-2024	9:50	0.30	0	1	0	0	0	1	0.00	2.99	0.00	0.00	0.00
Slipper	25	19-Aug-2024	10:26	19-Aug-2024	10:45	0.32	0	1	0	0	0	1	0.00	2.83	0.00	0.00	0.00
Slipper	26	19-Aug-2024	10:40	19-Aug-2024	11:05	0.42	0	1	0	0	0	1	0.00	2.15	0.00	0.00	0.00

Lake	Gillnet Number	Time Set		Time Pulled		Effort	Number of Fish						CPUE (Number of Fish / 100 m^2 of gillnet / hour)				
		Date	Time	Date	Time	Hours	LKTR	RDWH	ARGR	LKWH	LNSU	Total	LKTR	RDWH	ARGR	LKWH	LNSU
Slipper	27	19-Aug-2024	10:54	19-Aug-2024	11:20	0.43	1	2	0	0	0	3	2.07	4.14	0.00	0.00	0.00
Slipper	28	19-Aug-2024	11:15	19-Aug-2024	11:52	0.62	1	0	0	0	0	1	1.45	0.00	0.00	0.00	0.00
Slipper	29	19-Aug-2024	12:01	19-Aug-2024	12:31	0.50	0	1	2	0	0	3	0.00	1.79	3.58	0.00	0.00
Slipper	30	19-Aug-2024	12:12	19-Aug-2024	12:44	0.53	1	0	0	0	0	1	1.68	0.00	0.00	0.00	0.00
Slipper	31	19-Aug-2024	12:42	19-Aug-2024	13:15	0.55	1	1	0	0	0	2	1.63	1.63	0.00	0.00	0.00
Slipper	32	19-Aug-2024	13:09	19-Aug-2024	13:40	0.52	0	2	1	0	0	3	0.00	3.47	1.73	0.00	0.00
Slipper	33	19-Aug-2024	13:23	19-Aug-2024	13:56	0.55	1	3	0	0	1	5	1.63	4.89	0.00	0.00	1.63
Slipper	34	19-Aug-2024	13:51	19-Aug-2024	14:22	0.52	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Slipper	35	19-Aug-2024	14:19	19-Aug-2024	14:52	0.55	1	1	0	0	0	2	1.63	1.63	0.00	0.00	0.00
Slipper	51	26-Aug-2024	10:02	26-Aug-2024	10:22	0.33	1	2	0	0	0	3	2.72	5.43	0.00	0.00	0.00
Slipper	52	26-Aug-2024	10:32	26-Aug-2024	10:51	0.32	1	2	0	0	0	3	2.80	5.60	0.00	0.00	0.00
Slipper	53	26-Aug-2024	11:00	26-Aug-2024	11:27	0.45	3	13	0	0	0	16	5.97	25.89	0.00	0.00	0.00
Slipper	54	26-Aug-2024	12:15	26-Aug-2024	12:39	0.40	1	2	0	0	0	3	2.24	4.48	0.00	0.00	0.00
Slipper	55	26-Aug-2024	12:53	26-Aug-2024	13:22	0.48	1	1	0	0	0	2	1.87	1.87	0.00	0.00	0.00
Slipper	56	26-Aug-2024	13:40	26-Aug-2024	14:00	0.33	0	6	0	0	0	6	0.00	16.29	0.00	0.00	0.00
Slipper	57	26-Aug-2024	14:20	26-Aug-2024	14:46	0.43	1	0	0	0	1	2	2.08	0.00	0.00	0.00	2.08
Slipper	58	26-Aug-2024	14:35	26-Aug-2024	15:10	0.58	0	8	1	0	0	9	0.00	12.36	1.54	0.00	0.00
Slipper	70	2-Sep-2024	10:30	2-Sep-2024	10:55	0.42	0	1	0	0	0	1	0.00	2.15	0.00	0.00	0.00
Slipper	71	2-Sep-2024	11:05	2-Sep-2024	11:25	0.33	0	1	0	0	0	1	0.00	2.69	0.00	0.00	0.00
Slipper	72	2-Sep-2024	11:45	2-Sep-2024	12:35	0.83	1	0	0	0	0	1	1.08	0.00	0.00	0.00	0.00
Slipper	73	2-Sep-2024	12:45	2-Sep-2024	13:30	0.75	1	2	0	0	0	3	1.19	2.39	0.00	0.00	0.00
Slipper	74	2-Sep-2024	13:45	2-Sep-2024	14:30	0.75	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Slipper	75	2-Sep-2024	15:25	2-Sep-2024	16:05	0.67	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Slipper	59	15-Sep-2024	12:24	15-Sep-2024	12:56	0.53	1	6	0	0	0	7	1.69	10.14	0.00	0.00	0.00
Slipper	60	15-Sep-2024	13:49	15-Sep-2024	14:14	0.42	1	0	0	0	0	1	2.13	0.00	0.00	0.00	0.00
Slipper	61	17-Sep-2024	10:58	17-Sep-2024	11:32	0.57	1	8	3	0	0	12	1.58	12.65	4.74	0.00	0.00
Cujo	1	24-Aug-2024	10:38	24-Aug-2024	10:50	0.20	0	0	1	0	0	1	0.00	0.00	4.48	0.00	0.00
Cujo	2	24-Aug-2024	11:01	24-Aug-2024	11:16	0.25	1	0	2	0	0	3	3.58	0.00	7.17	0.00	0.00
Cujo	3	24-Aug-2024	11:30	24-Aug-2024	11:57	0.45	0	1	0	0	0	1	0.00	1.99	0.00	0.00	0.00
Cujo	4	24-Aug-2024	11:56	24-Aug-2024	12:40	0.73	3	1	2	0	0	6	3.68	1.23	2.45	0.00	0.00
Cujo	5	24-Aug-2024	12:35	24-Aug-2024	13:30	0.92	1	1	4	0	0	6	0.97	0.97	3.90	0.00	0.00

Lake	Gillnet Number	Time Set		Time Pulled		Effort	Number of Fish						CPUE (Number of Fish / 100 m^2 of gillnet / hour)				
		Date	Time	Date	Time	Hours	LKTR	RDWH	ARGR	LKWH	LNSU	Total	LKTR	RDWH	ARGR	LKWH	LNSU
Cujo	6	24-Aug-2024	12:50	24-Aug-2024	14:10	1.33	2	0	0	0	0	2	1.35	0.00	0.00	0.00	0.00
Cujo	7	24-Aug-2024	14:10	24-Aug-2024	15:25	1.25	5	0	0	0	0	5	3.58	0.00	0.00	0.00	0.00
Cujo	8	24-Aug-2024	14:24	24-Aug-2024	15:40	1.27	3	0	0	0	0	3	2.12	0.00	0.00	0.00	0.00
Cujo	9	25-Aug-2024	9:37	25-Aug-2024	9:52	0.25	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Cujo	10	25-Aug-2024	9:55	25-Aug-2024	10:10	0.25	0	3	0	0	0	3	0.00	10.75	0.00	0.00	0.00
Cujo	11	25-Aug-2024	10:08	25-Aug-2024	10:35	0.45	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Cujo	12	25-Aug-2024	10:20	25-Aug-2024	11:20	1.00	5	6	0	0	0	11	4.48	5.38	0.00	0.00	0.00
Cujo	13	25-Aug-2024	10:43	25-Aug-2024	11:43	1.00	0	3	0	0	0	3	0.00	2.69	0.00	0.00	0.00
Cujo	14	25-Aug-2024	13:10	25-Aug-2024	13:25	0.25	4	0	0	0	0	4	14.34	0.00	0.00	0.00	0.00
Cujo	15	25-Aug-2024	13:34	25-Aug-2024	14:04	0.50	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Cujo	16	25-Aug-2024	13:55	25-Aug-2024	14:15	0.33	0	2	0	0	0	2	0.00	5.43	0.00	0.00	0.00
Cujo	17	26-Aug-2024	9:45	26-Aug-2024	10:05	0.33	0	4	0	0	0	4	0.00	10.86	0.00	0.00	0.00

Notes:

CPUE = catch per unit effort

One gillnet set = 3 panels of 15.24 m x 2.44 m = 111.6 m^2 of 3.81-cm mesh net

Species: ARGR = Arctic Grayling; LKTR = Lake Trout; LNSU = Longnose Sucker; RDWH = Round Whitefish

Table 3.9-2 Biological Data of Gillnet-Caught Fish Species for AEMP Lakes, 2024

Lake	Fish ID	Species	Net / Set No	Sampling Date	Length (mm)	Weight (g)	Aging Structure	Age (years)	Sex	Reproductive Status	Liver Weight (g)	Gonad Weight (g)	Diet Analysis	Metals Analysis	Phenols Analysis	EROD Analysis
Nanuq	NAN24-LKTR-01	LKTR	1	1-Sep-2024	479	1240	2,3	8.5	U	0	-	-	N	TP	N	N
	NAN24-LKTR-02	LKTR	2	3-Sep-2024	645	3390	2,3	15	U	0	-	-	N	TP	N	N
	NAN24-LKTR-03	LKTR	3	3-Sep-2024	530	1630	2,3	9	U	0	-	-	N	TP	N	N
	NAN24-LKTR-04	LKTR	4	3-Sep-2024	414	715	2,3	10	U	0	-	-	N	TP	N	N
	NAN24-LKTR-05	LKTR	5	3-Sep-2024	526	1442	2,3	10	U	0	-	-	N	TP	N	N
	NAN24-LKTR-06	LKTR	6	6-Sep-2024	770	4590	2,3	15	U	0	-	-	N	TP	N	N
	NAN24-LKTR-08	LKTR	8	7-Sep-2024	321	321	2,3	5	U	0	-	-	N	-	N	N
	NAN24-LKTR-09	LKTR	9	7-Sep-2024	350	910	2,3	5	U	0	-	-	N	TP	N	N
	NAN24-LKTR-10	LKTR	10	8-Sep-2024	201	75	2,3	3	U	0	-	-	N	-	N	N
	NAN24-LKTR-11	LKTR	11	16-Sep-2024	405	570	2,3	8	U	0	-	-	N	TP	N	N
	NAN24-LKTR-12	LKTR	12	3-Sep-2024	380	570	2,3	5	U	0	-	-	N	-	N	N
	NAN24-LKTR-14	LKTR	14	3-Sep-2024	479	1050	2,3	9	U	0	-	-	N	-	N	N
	NAN24-LKTR-15	LKTR	15	16-Sep-2024	702	3800	2,3	12	U	0	-	-	N	TP	N	N
	NAN24-LKTR-16	LKTR	16	16-Sep-2024	729	4790	2,3	8	F	0	-	-	N	TP	N	N
	NAN24-LKTR-17	LKTR	17	16-Sep-2024	440	920	2,3	11	U	0	-	-	N	TP	N	N
	NAN24-LKTR-18	LKTR	18	16-Sep-2024	438	920	2,3	5	U	0	-	-	N	-	N	N
	NAN24-LKTR-19	LKTR	19	16-Sep-2024	598	2260	2,3	11	U	0	-	-	N	-	N	N
	NAN24-LKTR-20	LKTR	20	12-Sep-2024	462	1120	2,3	8	U	0	-	-	N	TP	N	N
	NAN24-LKTR-21	LKTR	21	12-Sep-2024	195	51	2,3	-	U	0	-	-	N	TP	N	N
	NAN24-LKTR-23	LKTR	23	13-Sep-2024	198	80	2,3	-	U	0	-	-	N	-	N	N
	NAN24-LKTR-24	LKTR	24	13-Sep-2024	369	470	2,3	3	U	0	-	-	N	TP	N	N
	NAN24-LKTR-25	LKTR	25	14-Sep-2024	451	1120	2,3	4	F	4	-	-	N	TP	N	N
	NAN24-LKTR-26	LKTR	26	14-Sep-2024	444	900	2,3	-	U	0	-	-	N	TP	N	N
	NAN24-LKTR-27	LKTR	27	14-Sep-2024	194	75	-	-	U	0	-	-	N	TP	N	N
	NAN24-LKTR-28	LKTR	28	14-Sep-2024	336	413	-	-	U	0	-	-	N	TP	N	N
	NAN24-RDWH-01	RDWH	1	30-Aug-2024	222	98	1,2,3	4	F	1	0.30	0.00	Y	L,F	Y	Y
	NAN24-RDWH-02	RDWH	2	30-Aug-2024	228	110	1,2,3	4	U	1	0.40	-	Y	L,F	Y	Y
	NAN24-RDWH-03	RDWH	3	1-Sep-2024	225	96	1,2,3	3	F	2	0.30	0.00	Y	L,F	Y	Y
	NAN24-RDWH-04	RDWH	4	1-Sep-2024	201	67	1,2,3	3	U	0	0.30	-	Y	L,F	Y	Y
	NAN24-RDWH-05	RDWH	5	1-Sep-2024	213	81	1,2,3	4	F	2	0.20	-	Y	L,F	Y	Y

Lake	Fish ID	Species	Net / Set No	Sampling Date	Length (mm)	Weight (g)	Aging Structure	Age (years)	Sex	Reproductive Status	Liver Weight (g)	Gonad Weight (g)	Diet Analysis	Metals Analysis	Phenols Analysis	EROD Analysis
	NAN24-RDWH-06	RDWH	6	1-Sep-2024	231	103	1,2,3	4	M	1	0.40	-	Y	L,F	Y	Y
	NAN24-RDWH-07	RDWH	7	1-Sep-2024	215	85	1,2,3	5	F	1	0.40	-	Y	L,F	Y	Y
	NAN24-RDWH-08	RDWH	8	1-Sep-2024	202	70	1,2,3	4	F	1	0.40	-	Y	L,F	Y	Y
	NAN24-RDWH-09	RDWH	9	1-Sep-2014	234	111	1,2,3	4	F	1	0.40	0.00	Y	L,F	Y	Y
	NAN24-RDWH-10	RDWH	10	1-Sep-2024	187	59	1,2,3	4	F	0	0.20	-	Y	L,F	Y	Y
	NAN24-RDWH-11	RDWH	11	1-Sep-2024	225	106	1,2,3	4	F	1	0.50	0.00	Y	L,F	Y	Y
	NAN24-RDWH-12	RDWH	12	1-Sep-2024	225	100	1,2,3	4	F	1	0.50	0.00	Y	L,F	Y	Y
	NAN24-RDWH-13	RDWH	13	1-Sep-2024	194	62	1,2,3	3	U	1	0.20	-	Y	L,F	Y	Y
	NAN24-RDWH-14	RDWH	14	1-Sep-2024	274	185	1,2,3	5	M	1	0.80	-	Y	L,F	Y	Y
	NAN24-RDWH-15	RDWH	15	1-Sep-2024	211	85	1,2,3	3	F	1	0.50	0.00	Y	L,F	Y	Y
	NAN24-RDWH-16	RDWH	16	1-Sep-2024	223	96	1,2,3	3	U	1	0.50	-	Y	L,F	Y	Y
	NAN24-RDWH-17	RDWH	17	1-Sep-2024	229	106	1,2,3	4	U	1	0.50	-	Y	L,F	Y	Y
	NAN24-RDWH-18	RDWH	18	1-Sep-2024	395	609	1,2,3	9	F	2	5.00	0.00	Y	L,F	Y	Y
	NAN24-RDWH-19	RDWH	19	7-Sep-2024	398	710	1,2,3	10	F	5	5.60	0.00	Y	L,F	Y	Y
	NAN24-RDWH-20	RDWH	20	7-Sep-2024	293	221	1,2,3	-	M	1	1.00	0.40	Y	L,F	Y	N
	NAN24-RDWH-21	RDWH	21	30-Aug-2024	416	749	1,2,3	-	M	4	3.80	29.00	Y	L,F	N	N
	NAN24-RDWH-22	RDWH	22	1-Sep-2024	288	230	1,2,3	-	M	0	1.50	0.10	Y	L,F	N	N
	NAN24-RDWH-23	RDWH	23	1-Sep-2024	230	113	1,2,3	-	F	0	0.50	0.00	Y	L,F	N	N
	NAN24-RDWH-24	RDWH	24	1-Sep-2024	219	92	2	-	M	0	0.60	0.00	Y	L,F	N	N
	NAN24-RDWH-25	RDWH	25	8-Sep-2024	222	100	1,2,3	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-26/22B	RDWH	26	8-Sep-2024	227	102	-	5	U	1	1.00	-	N	L,F	N	Y
	NAN24-RDWH-27	RDWH	27	8-Sep-2024	262	160	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-28	RDWH	28	8-Sep-2024	225	103	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-30	RDWH	30	14-Sep-2024	228	-	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-31	RDWH	31	14-Sep-2024	220	-	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-32	RDWH	32	14-Sep-2024	196	-	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-33	RDWH	33	14-Sep-2024	184	-	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-34	RDWH	34	14-Sep-2024	429	1000	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-35	RDWH	35	14-Sep-2024	413	900	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-38	RDWH	38	14-Sep-2024	430	750	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-39	RDWH	39	14-Sep-2024	221	-	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-40	RDWH	40	14-Sep-2024	221	-	-	-	U	0	-	-	N	-	N	N

Lake	Fish ID	Species	Net / Set No	Sampling Date	Length (mm)	Weight (g)	Aging Structure	Age (years)	Sex	Reproductive Status	Liver Weight (g)	Gonad Weight (g)	Diet Analysis	Metals Analysis	Phenols Analysis	EROD Analysis
	NAN24-RDWH-41	RDWH	41	14-Sep-2024	238	-	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-42	RDWH	42	14-Sep-2024	187	-	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-43	RDWH	43	14-Sep-2024	222	-	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-44	RDWH	44	14-Sep-2024	391	-	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-45	RDWH	45	14-Sep-2024	415	-	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-46	RDWH	46	3-Sep-2024	401	-	-	-	U	0	1.19	0.09	N	L,F	N	N
	NAN24-RDWH-47	RDWH	47	14-Sep-2024	404	-	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-48	RDWH	48	14-Sep-2024	222	-	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-49	RDWH	49	14-Sep-2024	237	-	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-50	RDWH	50	16-Sep-2024	384	-	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-51	RDWH	51	16-Sep-2024	235	-	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-52	RDWH	52	16-Sep-2024	230	-	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-53	RDWH	83	16-Sep-2024	236	-	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-54	RDWH	54	16-Sep-2024	189	-	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-55	RDWH	55	16-Sep-2024	220	-	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-56	RDWH	56	16-Sep-2024	299	-	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-57	RDWH	57	16-Sep-2024	268	-	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-58	RDWH	58	16-Sep-2024	241	-	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-59	RDWH	59	16-Sep-2024	212	-	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-60	RDWH	60	16-Sep-2024	413	-	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-61	RDWH	61	16-Sep-2024	215	82	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-62	RDWH	62	16-Sep-2024	223	95	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-63	RDWH	63	16-Sep-2024	192	58	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-64	RDWH	64	16-Sep-2024	189	54	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-65	RDWH	65	9-Sep-2024	189	55	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-66	RDWH	66	12-Sep-2024	196	88	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-67	RDWH	67	13-Sep-2024	376	500	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-68	RDWH	68	13-Sep-2024	320	303	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-69	RDWH	69	13-Sep-2024	368	562	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-70	RDWH	70	13-Sep-2024	191	60	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-71	RDWH	71	13-Sep-2024	188	62	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-73	RDWH	73	13-Sep-2024	179	65	-	-	U	0	-	-	N	-	N	N

Lake	Fish ID	Species	Net / Set No	Sampling Date	Length (mm)	Weight (g)	Aging Structure	Age (years)	Sex	Reproductive Status	Liver Weight (g)	Gonad Weight (g)	Diet Analysis	Metals Analysis	Phenols Analysis	EROD Analysis
	NAN24-RDWH-74	RDWH	74	13-Sep-2024	235	126	-	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-75	RDWH	75	7-Sep-2024	249	193	1,2,3	-	U	0	-	-	N	F	N	N
	NAN24-RDWH-81	RDWH	81	14-Sep-2024	314	299	1,2,3	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-83	RDWH	53	14-Sep-2024	261	171	2	-	U	0	-	-	N	-	N	N
	NAN24-RDWH-86	RDWH	86	14-Sep-2024	410	760	2,3	-	U	0	-	-	N	-	N	N
Counts	CON24-LKTR-01	LKTR	1	20-Aug-2024	389	527	2,3	8	U	0	-	-	N	TP	N	N
	CON24-LKTR-02	LKTR	2	15-Aug-2024	430	891	2,3	10	U	0	-	-	N	TP	N	N
	CON24-LKTR-03	LKTR	3	21-Aug-2024	240	158	2,3	3	U	0	-	-	N	TP	N	N
	CON24-LKTR-05	LKTR	5	20-Aug-2024	358	500	2,3	8	U	0	-	-	N	TP	N	N
	CON24-LKTR-06	LKTR	6	20-Aug-2024	424	841	2,3	7	U	0	-	-	N	TP	N	N
	CON24-LKTR-07	LKTR	7	20-Aug-2024	680	2640	2,3	12	U	0	-	-	N	TP	N	N
	CON24-LKTR-08	LKTR	8	20-Aug-2024	432	742	2,3	8	U	0	-	-	N	TP	N	N
	CON24-LKTR-09	LKTR	9	20-Aug-2024	501	1139	2,3	12	U	0	-	-	N	TP	N	N
	CON24-LKTR-10	LKTR	10	20-Aug-2024	380	611	2,3	5	U	0	-	-	N	TP	N	N
	CON24-LKTR-11	LKTR	11	20-Aug-2024	399	760	2,3	11	U	0	-	-	N	TP	N	N
	CON24-LKTR-12	LKTR	12	20-Aug-2024	444	1070	2,3	8	U	0	-	-	N	TP	N	N
	CON24-LKTR-13	LKTR	13	20-Aug-2024	405	778	2,3	10	U	2	-	-	N	TP	N	N
	CON24-LKTR-15	LKTR	15	21-Aug-2024	448	765	2,3	9.5	U	0	-	-	N	TP	N	N
	CON24-LKTR-21	LKTR	21	21-Aug-2024	258	199	2,3	3	U	2	1.8	-	N	L,F,TP	N	N
	CON24-LKTR-23	LKTR	23	21-Aug-2024	231	134	2,3	3	M	1	1.2	-	N	L,TP	Y	N
	CON24-LKTR-16	LKTR	16	22-Aug-2024	841	7060	2,3	14.5	U	0	-	-	N	TP	N	N
	CON24-LKTR-17	LKTR	17	22-Aug-2024	307	356	2,3	6	U	0	-	-	N	TP	N	N
	CON24-LKTR-18	LKTR	18	22-Aug-2024	402	769	2,3	9	U	0	-	-	N	TP	N	N
	CON24-LKTR-19	LKTR	19	22-Aug-2024	314	334	2,3	5	U	0	-	-	N	TP	N	N
	CON24-LKTR-20	LKTR	20	22-Aug-2024	398	746	-	9	U	0	-	-	N	TP	N	N
	CON24-LKTR-24	LKTR	24	21-Aug-2024	291	285	-	5	M	1	2.20	-	N	L,TP	Y	N
	CON24-LKTR-25	LKTR	25	13-Aug-2024	205	97.3	1,2,3	2	U	1	-	-	Y	L,F,TP	Y	Y
	CON24-RDWH-01	RDWH	1	13-Aug-2024	270	304	1,2,3	6	M	2	1.40	9.3	Y	L,F	Y	Y
	CON24-RDWH-02	RDWH	2	13-Aug-2024	331	447	1,2,3	12	M	2	1.70	21.4	Y	L,F	Y	Y
	CON24-RDWH-03	RDWH	3	13-Aug-2024	352	403	1,2,3	7.5	M	2	2.80	11.2	Y	L,F	Y	Y
	CON24-RDWH-04	RDWH	4	15-Aug-2024	338	484	1,2,3	6	F	2	3.60	26.1	Y	L,F	Y	Y
	CON24-RDWH-05	RDWH	5	15-Aug-2024	333	422	1,2,3	7	M	4	2.40	18.2	Y	L,F	Y	Y

Lake	Fish ID	Species	Net / Set No	Sampling Date	Length (mm)	Weight (g)	Aging Structure	Age (years)	Sex	Reproductive Status	Liver Weight (g)	Gonad Weight (g)	Diet Analysis	Metals Analysis	Phenols Analysis	EROD Analysis
	CON24-RDWH-06	RDWH	6	20-Aug-2024	375	697	1,2,3	12	M	2	5.00	34	Y	L,F	Y	Y
	CON24-RDWH-07	RDWH	7	20-Aug-2024	382	621	1,2,3	12	M	2	2.50	36.6	Y	L,F	Y	Y
	CON24-RDWH-08	RDWH	8	20-Aug-2024	345	511	1,2,3	12	F	2	5.80	38.7	Y	L,F	Y	Y
	CON24-RDWH-09	RDWH	9	20-Aug-2024	365	533	1,2,3	12	M	2	3.20	22.8	Y	L,F	Y	Y
	CON24-RDWH-10	RDWH	10	20-Aug-2024	329	381	1,2,3	6	F	2	1.60	18	Y	L,F	Y	Y
	CON24-RDWH-11	RDWH	11	20-Aug-2024	388	660	1,2,3	12	F	2	6.20	39.4	Y	L,F	Y	Y
	CON24-RDWH-21	RDWH	21	13-Aug-2024	360	545	1,2,3	11	F	2	6.20	28.3	Y	L,F	N	N
	CON24-RDWH-22	RDWH	22	13-Aug-2024	362	570	1,2,3	-	M	2	4.20	27.5	Y	L,F	N	N
	CON24-RDWH-23	RDWH	23	15-Aug-2024	313	393	1,2,3	-	F	2	5.40	20.8	Y	L,F	N	N
	CON24-RDWH-24	RDWH	24	15-Aug-2024	352	528	1,2,3	-	M	2	3.00	20	Y	L,F	N	N
	CON24-RDWH-25	RDWH	25	20-Aug-2024	370	542	1,2,3	-	F	2	5.70	36.9	Y	L,F	N	N
	CON24-RDWH-26	RDWH	26	20-Aug-2024	369	551	1,2,3	-	M	2	4.10	29.3	Y	L,F	N	N
	CON24-RDWH-27	RDWH	27	20-Aug-2024	340	452	1,2,3	-	F	2	5.50	27	Y	L,F	N	N
	CON24-RDWH-28	RDWH	28	20-Aug-2024	376	707	1,2,3	-	M	2	6.40	38.7	Y	L,F	N	N
	CON24-RDWH-29	RDWH	29	20-Aug-2024	385	651	1,2,3	-	F	2	8.30	42.1	Y	L,F	N	N
	CON24-RDWH-12	RDWH	12	21-Aug-2024	378	626	1,2,3	12	F	2	5.20	42.4	Y	L,F	Y	Y
	CON24-RDWH-13	RDWH	13	21-Aug-2024	352	461	1,2,3	12	F	2	2.70	32.2	Y	L,F	Y	Y
	CON24-RDWH-14	RDWH	14	21-Aug-2024	364	637	2	12	F	2	7.20	-	Y	L,F	Y	Y
	CON24-RDWH-15	RDWH	15	21-Aug-2024	342	433	1,2,3	10	M	2	1.30	17	Y	L,F	Y	Y
	CON24-RDWH-16	RDWH	16	21-Aug-2024	325	301	-	6	M	2	0.90	12.5	Y	L,F	Y	Y
	CON24-RDWH-18	RDWH	18	22-Aug-2024	343	493	-	10	F	2	4.90	24.6	Y	L,F	Y	Y
	CON24-RDWH-19	RDWH	19	22-Aug-2024	355	507	-	12	M	2	3.50	21.6	Y	L,F	Y	Y
	CON24-RDWH-20	RDWH	20	22-Aug-2024	344	425	-	8	M	2	2.30	20.1	Y	L,F	Y	Y
	CON24-RDWH-52	RDWH	52	22-Aug-2024	336	482	-	-	U	0	-	-	N	-	N	N
	CON24-RDWH-51	RDWH	51	22-Aug-2024	356	456	-	-	M	2	2.30	19.1	Y	L,F	N	Y
Vulture	VUL24-LKTR-01	LKTR	1	9-Aug-2024	480	1487.78	2,3	6.5	U	0	-	-	N	TP	N	N
	VUL24-LKTR-02	LKTR	2	9-Aug-2024	478	1596.65	2,3	7	U	0	-	-	N	TP	N	N
	VUL24-LKTR-03	LKTR	3	9-Aug-2024	469	1410	2,3	8	U	0	-	-	N	TP	N	N
	VUL24-LKTR-04	LKTR	4	22-Aug-2024	487	1262	2,3	8	U	0	-	-	N	TP	N	N
	VUL24-LKTR-05	LKTR	5	22-Aug-2024	405	710	2,3	7	U	0	-	-	N	TP	N	N
	VUL24-LKTR-06	LKTR	6	1-Sep-2024	558	2050	2,3	12	U	0	-	-	N	TP	N	N
	VUL24-LKTR-07	LKTR	7	1-Sep-2024	482	1220	2,3	10	U	0	-	-	N	TP	N	N

Lake	Fish ID	Species	Net / Set No	Sampling Date	Length (mm)	Weight (g)	Aging Structure	Age (years)	Sex	Reproductive Status	Liver Weight (g)	Gonad Weight (g)	Diet Analysis	Metals Analysis	Phenols Analysis	EROD Analysis
	VUL24-LKTR-08	LKTR	8	1-Sep-2024	482	1300	2,3	10	U	0	-	-	N	TP	N	N
	VUL24-LKTR-09	LKTR	9	1-Sep-2024	470	1270	2,3	10	U	0	-	-	N	TP	N	N
	VUL24-LKTR-10	LKTR	10	1-Sep-2024	473	1330	2,3	10	U	0	-	-	N	TP	N	N
	VUL24-LKTR-11	LKTR	11	1-Sep-2024	576	2200	2,3	9	U	0	-	-	N	TP	N	N
	VUL24-LKTR-12	LKTR	12	1-Sep-2024	245	144	1,2,3	4	U	1	-	-	Y	L,F,TP	N	N
	VUL24-LKTR-13	LKTR	13	8-Sep-2024	552	1530	2,3	8	U	0	-	-	N	-	N	N
	VUL24-LKTR-14	LKTR	14	8-Sep-2024	489	1270	2,3	10	U	0	-	-	N	-	N	N
	VUL24-LKTR-15	LKTR	15	8-Sep-2024	495	1360	2,3	10	U	0	-	-	N	-	N	N
	VUL24-LKTR-16	LKTR	16	8-Sep-2024	479	1410	2,3	6	U	0	-	-	N	-	N	N
	VUL24-LKTR-17	LKTR	17	8-Sep-2024	492	1100	2,3	7	U	0	-	-	N	-	N	N
	VUL24-LKTR-18	LKTR	18	8-Sep-2024	473	1210	2,3	7	U	0	-	-	N	-	N	N
	VUL24-LKTR-19	LKTR	19	8-Sep-2024	498	1150	2,3	8	U	0	-	-	N	-	N	N
	VUL24-LKTR-21	LKTR	21	8-Sep-2024	517	1150	2,3	-	U	0	-	-	N	-	N	N
	VUL24-LKTR-22	LKTR	22	9-Sep-2024	529	1800	-	-	U	0	-	-	N	-	N	N
	VUL24-LKTR-23	LKTR	23	8-Sep-2024	486	1240	-	-	U	0	-	-	N	-	N	N
	VUL24-LKTR-20	LKTR	20	8-Sep-2024	472	-	1,2,3	9	M	2	7.83	51.25	N	F	N	N
Kodiak	KOD24-LKTR-01	LKTR	1	24-Aug-2024	602	1700	2,3	11	U	0	-	-	N	TP	N	N
	KOD24-LKTR-02	LKTR	2	24-Aug-2024	463	1050	2,3	8	U	0	-	-	N	TP	N	N
	KOD24-LKTR-03	LKTR	3	24-Aug-2024	460	1230	2,3	8.5	U	0	-	-	N	TP	N	N
	KOD24-LKTR-04	LKTR	4	24-Aug-2024	514	1240	2,3	14	U	0	-	-	N	TP	N	N
	KOD24-LKTR-05	LKTR	5	24-Aug-2024	472	1210	2,3	-	U	0	-	-	N	TP	N	N
	KOD24-LKTR-06	LKTR	6	24-Aug-2024	595	2180	2,3	14	U	0	-	-	N	TP	N	N
	KOD24-LKTR-07	LKTR	7	24-Aug-2024	491	1220	2,3	12	U	0	-	-	N	TP	N	N
	KOD24-LKTR-08	LKTR	8	24-Aug-2024	464	1140	2,3	8	U	0	-	-	N	TP	N	N
	KOD24-LKTR-09	LKTR	9	24-Aug-2024	840	6620	2,3	15	U	0	-	-	N	TP	N	N
	KOD24-LKTR-10	LKTR	10	24-Aug-2024	515	1540	2,3	9	U	0	-	-	N	TP	N	N
	KOD24-LKTR-11	LKTR	11	24-Aug-2024	564	1300	2,3	8	U	0	-	-	N	TP	N	N
	KOD24-LKTR-12	LKTR	12	24-Aug-2024	485	1180	2,3	7	U	0	-	-	N	TP	N	N
	KOD24-LKTR-13	LKTR	13	25-Aug-2024	640	2250	2,3	11	U	0	-	-	N	TP	N	N
	KOD24-LKTR-14	LKTR	14	25-Aug-2024	458	1260	2,3	9	U	0	-	-	N	TP	N	N
	KOD24-LKTR-15	LKTR	15	25-Aug-2024	465	940	2,3	6	U	0	-	-	N	TP	N	N
	KOD24-LKTR-16	LKTR	16	25-Aug-2024	485	1230	2,3	6	U	0	-	-	N	TP	N	N

Lake	Fish ID	Species	Net / Set No	Sampling Date	Length (mm)	Weight (g)	Aging Structure	Age (years)	Sex	Reproductive Status	Liver Weight (g)	Gonad Weight (g)	Diet Analysis	Metals Analysis	Phenols Analysis	EROD Analysis
	KOD24-LKTR-17	LKTR	17	25-Aug-2024	495	1280	-	12	U	0	-	-	N	TP	N	N
	KOD24-LKTR-18	LKTR	18	25-Aug-2024	540	1560	2,3	11	U	0	-	-	N	TP	N	N
	KOD24-LKTR-19	LKTR	19	25-Aug-2024	597	2332	2,3	14	U	0	-	-	N	TP	N	N
	KOD24-LKTR-20	LKTR	20	25-Aug-2024	600	1990	2,3	14	U	0	-	-	N	TP	N	N
	KOD24-LKTR-65	LKTR	65	25-Aug-2024	471	1310	-	-	U	0	-	-	N	-	N	N
	KOD24-LKTR-66	LKTR	66	25-Aug-2024	470	1220	2,3	-	U	0	-	-	N	-	N	N
	KOD24-RDWH-01	RDWH	1	24-Aug-2024	263	185	2,3	4	U	0	1.30	-	Y	L,F	N	Y
	KOD24-RDWH-02	RDWH	2	24-Aug-2024	363	540	2,3	8	F	2	6.20	27.90	Y	L,F	N	Y
	KOD24-RDWH-03	RDWH	3	24-Aug-2024	212	90	2,3	4	U	0	0.40	-	Y	L,F	N	Y
	KOD24-RDWH-05	RDWH	5	24-Aug-2024	415	720	2,3	22	F	2	8.00	38.20	Y	L,F	N	Y
	KOD24-RDWH-06	RDWH	6	24-Aug-2024	218	103	2,3	4	U	0	0.70	-	Y	L,F	N	Y
	KOD24-RDWH-07	RDWH	7	24-Aug-2024	260	187	2,3	5	U	0	0.50	0.30	Y	L,F	N	Y
	KOD24-RDWH-09	RDWH	9	25-Aug-2024	266	193	2,3	4	M	3	1.40	0.20	Y	L,F	N	Y
	KOD24-RDWH-10	RDWH	10	25-Aug-2024	269	196	2,3	4	M	3	1.20	0.10	Y	L,F	N	Y
	KOD24-RDWH-11	RDWH	11	25-Aug-2024	247	143	2,3	4	F	1	0.30	-	Y	L,F	N	Y
	KOD24-RDWH-12	RDWH	12	25-Aug-2024	209	83	2,3	3	U	0	0.30	-	Y	L,F	N	Y
	KOD24-RDWH-13	RDWH	13	25-Aug-2024	273	205	1,2,3	5	F	1	0.30	-	Y	L,F	N	Y
	KOD24-RDWH-14	RDWH	14	25-Aug-2024	410	706	1,2,3	18	F	2	7.20	41.00	Y	L,F	N	Y
	KOD24-RDWH-15	RDWH	15	25-Aug-2024	420	869	1,2,3	16	F	2	9.60	52.80	Y	L,F	N	Y
	KOD24-RDWH-16	RDWH	16	25-Aug-2024	405	681	1,2,3	16	M	3	2.90	21.50	Y	L,F	N	Y
	KOD24-RDWH-17	RDWH	17	25-Aug-2024	240	154	1,2,3	5	U	0	1.40	-	Y	L,F	N	Y
	KOD24-RDWH-18	RDWH	18	25-Aug-2024	236	131	1,2,3	4	U	0	0.50	-	Y	L,F	N	Y
	KOD24-RDWH-19	RDWH	19	25-Aug-2024	212	97	1,2,3	4	U	0	0.40	-	Y	L,F	N	Y
	KOD24-RDWH-20	RDWH	20	25-Aug-2024	242	144	1,2,3	5	F	1	1.00	-	Y	L,F	N	Y
	KOD24-RDWH-23	RDWH	23	24-Aug-2024	255	175	1,2,3	-	F	2	1.60	-	Y	L,F	N	N
	KOD24-RDWH-24	RDWH	24	24-Aug-2024	235	126	1,2,3	-	U	0	0.60	-	Y	L,F	N	N
	KOD24-RDWH-25	RDWH	25	24-Aug-2024	245	167	1,2,3	-	U	0	2.10	-	Y	L,F	N	N
	KOD24-RDWH-26	RDWH	26	25-Aug-2024	198	78	1,2,3	-	U	0	0.50	-	Y	L,F	N	N
Leslie	LES24-LKTR-01	LKTR	1	29-Aug-2024	494	1290	2,3	10	U	0	-	-	N	TP	N	N
	LES24-LKTR-02	LKTR	2	29-Aug-2024	450	1040	2,3	10	U	0	-	-	N	TP	N	N
	LES24-LKTR-03	LKTR	3	29-Aug-2024	455	1010	2,3	-	U	0	-	-	N	TP	N	N
	LES24-LKTR-04	LKTR	4	29-Aug-2024	510	1460	2,3	10	U	0	-	-	N	TP	N	N

Lake	Fish ID	Species	Net / Set No	Sampling Date	Length (mm)	Weight (g)	Aging Structure	Age (years)	Sex	Reproductive Status	Liver Weight (g)	Gonad Weight (g)	Diet Analysis	Metals Analysis	Phenols Analysis	EROD Analysis
	LES24-LKTR-05	LKTR	5	29-Aug-2024	611	2320	2,3	14	U	0	-	-	N	TP	N	N
	LES24-LKTR-06	LKTR	6	29-Aug-2024	512	1340	2,3	12	U	0	-	-	N	TP	N	N
	LES24-LKTR-07	LKTR	7	29-Aug-2024	465	1120	2,3	14	U	0	-	-	N	TP	N	N
	LES24-LKTR-08	LKTR	8	29-Aug-2024	445	970	2,3	12	U	0	-	-	N	TP	N	N
	LES24-LKTR-09	LKTR	9	29-Aug-2024	470	970	2,3	8	U	0	-	-	N	TP	N	N
	LES24-LKTR-10	LKTR	10	29-Aug-2024	565	1980	2,3	14	U	0	-	-	N	TP	N	N
	LES24-LKTR-11	LKTR	11	29-Aug-2024	490	1060	2,3	12	U	0	-	-	N	TP	N	N
	LES24-LKTR-12	LKTR	12	29-Aug-2024	482	1290	2,3	10	U	0	-	-	N	TP	N	N
	LES24-LKTR-13	LKTR	13	30-Aug-2024	475	1030	2,3	10	U	0	-	-	N	TP	N	Y
	LES24-LKTR-14	LKTR	14	30-Aug-2024	402	690	2,3	7	U	0	-	-	N	TP	N	Y
	LES24-LKTR-15	LKTR	15	30-Aug-2024	448	1060	2,3	12	U	0	-	-	N	TP	N	N
	LES24-LKTR-16	LKTR	16	30-Aug-2024	393	730	2,3	7	U	0	-	-	N	TP	N	N
	LES24-LKTR-17	LKTR	17	30-Aug-2024	456	1150	-	10	U	0	-	-	N	TP	N	N
	LES24-LKTR-18	LKTR	18	30-Aug-2024	516	1320	2,3	10	U	0	-	-	N	TP	N	N
	LES24-LKTR-19	LKTR	19	30-Aug-2024	554	1730	2,3	10	U	0	-	-	N	TP	N	N
	LES24-LKTR-20	LKTR	20	30-Aug-2024	561	1580	2,3	10	U	0	-	-	N	TP	N	N
	LES24-LKTR-21	LKTR	21	30-Aug-2024	489	1280	-	-	U	0	-	-	N	-	N	N
	LES24-LKTR-22	LKTR	22	30-Aug-2024	420	870	2,3	-	U	0	-	-	N	-	N	Y
	LES24-LKTR-23	LKTR	23	30-Aug-2024	469	1130	2,3	-	U	0	-	-	N	-	N	N
	LES24-LKTR-33	LKTR	33	30-Aug-2024	635	2580	2,3	-	U	0	-	-	N	TP	N	N
	LES24-LKTR-24	LKTR	24	30-Aug-2024	460	1090	2,3	-	U	0	-	-	N	TP	N	N
	LES24-LKTR-34	LKTR	34	30-Aug-2024	723	4470	2,3	-	U	0	-	-	N	-	N	N
	LES24-LKTR-25	LKTR	25	30-Aug-2024	426	830	2,3	-	U	0	-	-	N	TP	N	N
	LES24-LKTR-35	LKTR	35	30-Aug-2024	473	1210	2,3	-	U	0	-	-	N	-	N	N
	LES24-LKTR-26	LKTR	26	30-Aug-2024	464	1070	2,3	-	U	0	-	-	N	-	N	N
	LES24-LKTR-27	LKTR	27	30-Aug-2024	449	1020	2,3	-	U	0	-	-	N	-	N	N
	LES24-LKTR-37	LKTR	37	30-Aug-2024	470	1270	2,3	-	U	0	-	-	N	-	N	Y
	LES24-LKTR-28	LKTR	28	30-Aug-2024	520	1280	2,3	-	U	0	-	-	N	-	N	N
	LES24-RDWH-01	RDWH	1	29-Aug-2024	413	815	1,2,3	12	F	0	7.10	52.70	Y	L	Y	Y
	LES24-RDWH-02	RDWH	2	29-Aug-2024	375	650	1,2,3	7	F	2	5.00	22.50	Y	L,F	Y	Y
	LES24-RDWH-03	RDWH	3	29-Aug-2024	374	600	1,2,3	6	M	0	4.60	17.80	Y	-	Y	Y
	LES24-RDWH-04	RDWH	4	29-Aug-2024	400	800	1,2,3	9	M	2	4.30	37.00	Y	-	Y	Y

Lake	Fish ID	Species	Net / Set No	Sampling Date	Length (mm)	Weight (g)	Aging Structure	Age (years)	Sex	Reproductive Status	Liver Weight (g)	Gonad Weight (g)	Diet Analysis	Metals Analysis	Phenols Analysis	EROD Analysis
	LES24-RDWH-05	RDWH	5	29-Aug-2024	433	830	1,2,3	12	F	2	6.90	42.70	Y	-	Y	Y
	LES24-RDWH-06	RDWH	6	29-Aug-2024	389	680	1,2,3	8	M	2	3.40	19.80	Y	L,F	Y	Y
	LES24-RDWH-07	RDWH	7	29-Aug-2024	432	920	1,2,3	14	F	2	9.70	63.60	Y	L,F,TP	Y	Y
	LES24-RDWH-08	RDWH	8	29-Aug-2024	412	800	1,2,3	9	F	0	7.90	51.30	Y	L,F	Y	Y
	LES24-RDWH-09	RDWH	9	29-Aug-2024	431	870	1,2,3	14	F	2	7.50	49.20	Y	L,F	Y	Y
	LES24-RDWH-10	RDWH	10	29-Aug-2024	385	660	1,2,3	7	F	2	5.20	28.60	Y	L,F	Y	Y
	LES24-RDWH-11	RDWH	11	30-Aug-2024	375	577	1,2,3	7	M	2	2.60	16.40	Y	L,F	Y	Y
	LES24-RDWH-12	RDWH	12	30-Aug-2024	436	815	1,2,3	14.5	M	2	10.60	28.10	Y	L,F	Y	Y
	LES24-RDWH-13	RDWH	13	30-Aug-2024	360	494	1,2,3	6	M	2	2.20	8.40	Y	L,F	Y	Y
	LES24-RDWH-14	RDWH	14	30-Aug-2024	375	603	1,2,3	6	F	2	3.40	24.00	Y	L,F	Y	Y
	LES24-RDWH-15	RDWH	15	30-Aug-2024	410	816	1,2,3	9	M	2	4.50	24.00	Y	L,F	Y	Y
	LES24-RDWH-16	RDWH	16	30-Aug-2024	415	813	1,2,3	12	M	2	4.40	27.70	Y	L,F	Y	Y
	LES24-RDWH-17	RDWH	17	30-Aug-2024	419	795	1,2,3	12	F	2	8.80	37.80	Y	L,F	Y	Y
	LES24-RDWH-18	RDWH	18	30-Aug-2024	425	878	1,2,3	14	M	2	4.60	27.40	Y	L,F	Y	Y
	LES24-RDWH-19	RDWH	19	30-Aug-2024	375	579	1,2,3	6	M	2	1.40	12.80	Y	L,F	Y	Y
	LES24-RDWH-20	RDWH	20	30-Aug-2024	440	875	1,2,3	14	F	2	7.60	37.00	Y	L,F	Y	Y
	LES24-RDWH-21	RDWH	21	30-Aug-2024	403	686	1,2,3	-	M	2	4.50	17.50	Y	L,F	N	N
	LES24-RDWH-22	RDWH	22	30-Aug-2024	425	900	1,2,3	-	M	2	7.50	38.50	Y	L,F	N	N
Moose	MOO24-LKTR-01	LKTR	1	23-Aug-2024	416	748	2,3	5.5	U	0	-	-	N	TP	N	N
	MOO24-LKTR-02	LKTR	2	23-Aug-2024	596	1950	2,3	12	U	0	-	-	N	TP	N	N
	MOO24-LKTR-03	LKTR	3	23-Aug-2024	500	1280	2,3	9	U	0	-	-	N	TP	N	N
	MOO24-LKTR-04	LKTR	4	23-Aug-2024	518	1470	2,3	14	U	0	-	-	N	TP	N	N
	MOO24-LKTR-05	LKTR	5	23-Aug-2024	510	1310	2,3	9	U	0	-	-	N	TP	N	N
	MOO24-LKTR-06	LKTR	6	23-Aug-2024	426	850	2,3	7	U	0	-	-	N	TP	N	N
	MOO24-LKTR-07	LKTR	7	23-Aug-2024	450	1040	2,3	9	U	0	-	-	N	TP	N	N
	MOO24-LKTR-08	LKTR	8	23-Aug-2024	399	680	2,3	7	U	0	-	-	N	TP	N	N
	MOO24-LKTR-09	LKTR	9	23-Aug-2402	400	710	2,3	7	U	0	-	-	N	TP	N	N
	MOO24-LKTR-10	LKTR	10	26-Aug-2024	570	1960	2,3	12	U	0	-	-	N	TP	N	N
	MOO24-LKTR-11	LKTR	11	26-Aug-2024	452	1020	2,3	9	U	0	-	-	N	TP	N	N
	MOO24-LKTR-12	LKTR	12	26-Aug-2024	385	650	2,3	6	U	0	-	-	N	TP	N	N
	MOO24-LKTR-13	LKTR	13	26-Aug-2024	299	310	2,3	4	U	0	-	-	N	TP	N	N
	MOO24-LKTR-14	LKTR	14	26-Aug-2024	435	900	2,3	7	U	0	-	-	N	TP	N	N

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	MOO24-LKTR-15	LKTR	15	26-Aug-2024	295	280	2,3	3	U	0	-	-	N	TP	N	N
	MOO24-LKTR-16	LKTR	16	26-Aug-2024	580	2140	2,3	12	U	0	-	-	N	TP	N	N
	MOO24-LKTR-17	LKTR	17	26-Aug-2024	311	328	2,3	4	U	0	-	-	N	TP	N	N
	MOO24-LKTR-18	LKTR	18	26-Aug-2024	499	1220	2,3	9	U	0	-	-	N	TP	N	N
	MOO24-LKTR-19	LKTR	19	26-Aug-2024	478	1060	2,3	10	U	0	-	-	N	TP	N	N
	MOO24-LKTR-20	LKTR	20	26-Aug-2024	450	950	2,3	9	U	0	-	-	N	TP	N	N
	MOO24-RDWH-01	RDWH	1	23-Aug-2024	300	254	1,2,3	5	F	1	1.30	0.70	Y	L,F	Y	Y
	MOO24-RDWH-02	RDWH	2	23-Aug-2024	196	66	1,2,3	4	U	1	0.50	0.09	Y	L,F	Y	Y
	MOO24-RDWH-03	RDWH	3	23-Aug-2024	202	80	1,2,3	4	U	1	0.50	0.04	Y	L,F	Y	Y
	MOO24-RDWH-04	RDWH	4	23-Aug-2024	285	256	1,2,3	4.5	F	1	1.50	0.50	Y	L,F	Y	Y
	MOO24-RDWH-05	RDWH	5	23-Aug-2024	317	331	1,2,3	5	M	2	1.30	4.70	Y	L,F	Y	Y
	MOO24-RDWH-06	RDWH	6	23-Aug-2024	206	72	1,2,3	3	U	1	0.40	0.06	Y	L,F	Y	Y
	MOO24-RDWH-07	RDWH	7	23-Aug-2024	192	75	1,2,3	4	U	1	0.20	0.20	Y	L,F	Y	Y
	MOO24-RDWH-08	RDWH	8	23-Aug-2024	203	73	1,2,3	3	U	1	0.40	0.04	Y	L,F	Y	Y
	MOO24-RDWH-09	RDWH	9	23-Aug-2024	194	71	1,2,3	3	M	1	0.30	0.04	Y	L,F	Y	Y
	MOO24-RDWH-10	RDWH	10	23-Aug-2024	286	265	1,2,3	4	M	2	1.10	0.40	Y	L,F	Y	Y
	MOO24-RDWH-11	RDWH	11	23-Aug-2024	381	588	1,2,3	8	M	2	2.90	13.20	Y	L,F	Y	Y
	MOO24-RDWH-12	RDWH	12	23-Aug-2024	411	639	1,2,3	15	M	2	4.90	15.90	Y	L,F	Y	Y
	MOO24-RDWH-13	RDWH	13	23-Aug-2024	382	593	1,2,3	14	F	2	6.60	20.00	Y	L,F	Y	Y
	MOO24-RDWH-14	RDWH	14	23-Aug-2024	371	538	1,2,3	12	F	2	4.90	29.10	Y	L,F	Y	Y
	MOO24-RDWH-15	RDWH	15	26-Aug-2024	333	421	1,2,3	5	F	3	2.10	23.20	Y	L,F	Y	Y
	MOO24-RDWH-16	RDWH	16	26-Aug-2024	345	470	1,2,3	6	F	3	2.60	16.00	Y	L,F	Y	Y
	MOO24-RDWH-17	RDWH	17	26-Aug-2024	400	695	1,2,3	9	F	3	5.50	31.00	Y	L,F	Y	Y
	MOO24-RDWH-18	RDWH	18	26-Aug-2024	389	606	1,2,3	13	F	2	4.40	25.90	Y	L,F	Y	Y
	MOO24-RDWH-19	RDWH	19	26-Aug-2024	315	315	1,2,3	6	M	2	1.50	6.40	Y	L,F	Y	Y
	MOO24-RDWH-20	RDWH	20	26-Aug-2024	375	618	1,2,3	10	F	3	3.60	38.20	Y	L,F	Y	Y
	MOO24-RDWH-31	RDWH	31	23-Aug-2024	207	83	1,2,3	-	U	1	0.30	0.04	Y	L,F	N	N
	MOO24-RDWH-22	RDWH	22	23-Aug-2024	193	67	1,2,3	-	U	1	0.30	0.13	Y	L,F	N	N
	MOO24-RDWH-32	RDWH	32	26-Aug-2024	199	70	-	-	U	0	-	-	N	-	N	N
	MOO24-RDWH-23	RDWH	23	26-Aug-2024	285	238	-	-	U	0	-	-	N	-	Y	N
	MOO24-RDWH-24	RDWH	24	26-Aug-2024	195	68	-	-	U	1	-	-	N	-	Y	N
	MOO24-RDWH-25	RDWH	25	26-Aug-2024	339	371	-	-	U	2	-	-	N	-	Y	N

Lake	Fish ID	Species	Net / Set No	Sampling Date	Length (mm)	Weight (g)	Aging Structure	Age (years)	Sex	Reproductive Status	Liver Weight (g)	Gonad Weight (g)	Diet Analysis	Metals Analysis	Phenols Analysis	EROD Analysis
	MOO24-RDWH-26	RDWH	26	26-Aug-2024	392	585	-	-	U	3	-	-	N	-	Y	N
Nema	NEM24-LKTR-01	LKTR	1	29-Aug-2024	445	1018	2,3	6	U	0	-	-	N	TP	N	N
	NEM24-LKTR-02	LKTR	2	29-Aug-2024	559	1581	2,3	10	U	0	-	-	N	TP	N	N
	NEM24-LKTR-03	LKTR	3	29-Aug-2024	546	1484	2,3	9.5	U	0	-	-	N	TP	N	N
	NEM24-LKTR-04	LKTR	4	29-Aug-2024	685	3240	2,3	14	U	0	-	-	N	TP	N	N
	NEM24-LKTR-05	LKTR	5	29-Aug-2024	590	1751	2,3	10	U	0	-	-	N	TP	N	N
	NEM24-LKTR-06	LKTR	6	29-Aug-2024	516	1313	2,3	7	U	0	-	-	N	TP	N	N
	NEM24-LKTR-07	LKTR	7	29-Aug-2024	589	1132	2,3	7	U	0	-	-	N	TP	N	N
	NEM24-LKTR-08	LKTR	8	29-Aug-2024	495	1180	2,3	10	U	0	-	-	N	TP	N	N
	NEM24-LKTR-09	LKTR	9	31-Aug-2024	490	1445	2,3	9	U	0	-	-	N	TP	N	N
	NEM24-LKTR-10	LKTR	10	2-Sep-2024	493	1200	2,3	9	U	0	-	-	N	TP	N	N
	NEM24-LKTR-11	LKTR	11	2-Sep-2024	554	1500	2,3	12	U	0	-	-	N	TP	N	N
	NEM24-LKTR-12	LKTR	12	2-Sep-2024	500	1200	2,3	9	U	0	-	-	N	TP	N	N
	NEM24-LKTR-13	LKTR	13	2-Sep-2024	442	1000	2,3	8	U	0	-	-	N	TP	N	N
	NEM24-LKTR-14	LKTR	14	2-Sep-2024	490	1150	2,3	12	U	0	-	-	N	TP	N	N
	NEM24-LKTR-15	LKTR	15	2-Sep-2024	507	1250	2,3	8	U	0	-	-	N	TP	N	N
	NEM24-LKTR-17	LKTR	17	9-Sep-2024	410	650	1,2,3	4	U	0	-	-	N	TP	N	N
	NEM24-LKTR-18	LKTR	18	9-Sep-2024	417	750	2,3	6	U	0	-	-	N	TP	N	N
	NEM24-LKTR-19	LKTR	19	9-Sep-2024	538	1350	2,3	15	U	0	-	-	N	TP	N	N
	NEM24-LKTR-31	LKTR	31	2-Sep-2024	165	50	2,3	2	U	0	-	-	N	-	N	N
	NEM24-LKTR-20	LKTR	20	15-Sep-2024	841	5590	2,3	14	U	0	-	-	N	TP	N	N
	NEM24-RDWH-21	RDWH	21	9-Sep-2024	311	340	2,3	-	U	0	-	-	N	-	N	N
	NEM24-RDWH-22	RDWH	22	9-Sep-2024	324	280	2,3	-	U	0	-	19.9	N	-	N	N
	NEM24-RDWH-30	RDWH	30	4-Sep-2024	400	-	2,3	-	U	0	-	-	N	-	N	N
	NEM24-RDWH-31	RDWH	31	4-Sep-2024	390	-	2,3	-	U	0	-	7.2	N	-	N	N
	NEM24-RDWH-91	RDWH	91	2-Sep-2024	422	-	1,2,3	-	U	0	-	22.6	N	-	N	N
	NEM24-RDWH-32	RDWH	32	2-Sep-2024	268	-	1,2,3	-	U	0	-	34.2	N	-	N	N
	NEM24-RDWH-33	RDWH	33	2-Sep-2024	428	-	-	-	U	0	-	-	N	-	N	N
	NEM24-RDWH-34	RDWH	34	2-Sep-2024	283	-	-	-	U	0	-	-	N	-	N	N
	NEM24-RDWH-35	RDWH	35	2-Sep-2024	383	-	1,2,3	-	U	0	-	45	N	-	N	N
	NEM24-RDWH-36	RDWH	36	2-Sep-2024	398	-	1,2,3	-	U	0	-	0.3	N	-	N	N
	NEM24-RDWH-37	RDWH	37	2-Sep-2024	358	-	1,2,3	-	U	0	-	-	N	-	N	N

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	NEM24-RDWH-38	RDWH	38	2-Sep-2024	230	-	1,2,3	-	U	0	-	25.5	N	-	N	N
	NEM24-RDWH-39	RDWH	39	2-Sep-2024	229	-	1,2,3	-	U	0	-	-	N	-	N	N
	NEM24-RDWH-40	RDWH	40	2-Sep-2024	408	-	1,2,3	-	U	0	-	29.1	N	-	N	N
	NEM24-RDWH-41	RDWH	41	2-Sep-2024	338	-	1,2,3	-	U	0	-	25.3	N	-	N	N
	NEM24-RDWH-42	RDWH	42	2-Sep-2024	297	-	1,2,3	-	U	0	-	-	N	-	N	N
	NEM24-RDWH-82	RDWH	82	2-Sep-2024	219	106.7	1,2,3	-	F	1	0.60	17.90	Y	L,F	N	N
	NEM24-RDWH-94	RDWH	94	2-Sep-2024	226	119.8	1,2,3	-	F	1	0.80	0.60	Y	L,F	N	N
Slipper	SLP24-LKTR-01	LKTR	1	16-Aug-2024	216	97	1,2,3	3	U	0	-	-	N	TP	N	N
	SLP24-LKTR-02	LKTR	2	16-Aug-2024	427	898	1,2,3	10	U	0	-	-	N	TP	N	N
	SLP24-LKTR-03	LKTR	3	17-Aug-2024	451	978	1,2,3	13	U	0	-	-	N	TP	N	N
	SLP24-LKTR-04	LKTR	4	17-Aug-2024	380	535	1,2,3	9	U	0	-	-	N	TP	N	N
	SLP24-LKTR-05	LKTR	5	2-Sep-2024	453	730	1,2,3	4	U	0	-	-	N	TP	N	N
	SLP24-LKTR-35	LKTR	35	17-Aug-2024	537	1597	1,2,3	7	U	0	-	-	N	TP	N	N
	SLP24-LKTR-06	LKTR	6	18-Aug-2024	394	625	1,2,3	9	U	0	-	-	N	TP	N	N
	SLP24-LKTR-07	LKTR	7	18-Aug-2024	386	605	1,2,3	7	U	0	-	-	N	TP	N	N
	SLP24-LKTR-08	LKTR	8	2-Sep-2024	670	3490	1,2,3	15	U	0	-	-	N	TP	N	N
	SLP24-LKTR-09	LKTR	9	18-Aug-2024	558	1605	1,2,3	12	U	0	-	-	N	TP	N	N
	SLP24-LKTR-10	LKTR	10	19-Aug-2024	372	610	1,2,3	6	U	0	-	-	N	TP	N	N
	SLP24-LKTR-11	LKTR	11	19-Aug-2024	294	258	1,2,3	4	U	0	-	-	N	TP	N	N
	SLP24-LKTR-12	LKTR	12	19-Aug-2024	345	400	1,2,3	4	U	0	-	-	N	TP	N	N
	SLP24-LKTR-13	LKTR	13	19-Aug-2024	384	564	1,2,3	4	U	0	-	-	N	TP	N	N
	SLP24-LKTR-20	LKTR	20	15-Sep-2024	601	2750	1,2,3	12	U	0	-	-	N	TP	N	N
	SLP24-LKTR-22	LKTR	22	18-Aug-2024	318	340	1,2,3	4	M	1	3.7	-	N	L,F	Y	N
	SLP24-LKTR-25	LKTR	25	15-Sep-2024	357	452	1,2,3	-	U	0	-	-	N	TP	N	N
	SLP24-LKTR-26	LKTR	26	17-Sep-2024	427	778	1,2,3	-	F	2	-	-	N	-	N	N
	SLP24-LKTR-31	LKTR	31	18-Aug-2024	201	81	1,2,3	-	U	0	-	-	N	-	N	N
	SLP24-LKTR-14	LKTR	14	26-Aug-2024	433	-	-	6	U	0	-	-	N	TP	N	N
	SLP24-LKTR-15	LKTR	15	26-Aug-2024	477	1120	-	7	U	0	-	-	N	TP	N	N
	SLP24-LKTR-16	LKTR	16	26-Aug-2024	489	1130	-	12	U	0	-	-	N	TP	N	N
	SLP24-LKTR-17	LKTR	17	26-Aug-2024	487	1230	-	9	U	0	-	-	N	TP	N	N
	SLP24-LKTR-18	LKTR	18	26-Aug-2024	455	1000	-	7	U	0	-	-	N	TP	N	N
	SLP24-LKTR-19	LKTR	19	26-Aug-2024	718	3930	-	14	U	0	-	-	N	TP	N	N

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	SLP24-LKTR-21-A	LKTR	21-A	16-Aug-2024	224	121	-	-	M	1	1.30	-	N	-	N	N
	SLP24-LKTR-21-B	LKTR	21-B	18-Aug-2024	240	120	-	-	U	1	1.00	-	N	-	N	N
	SLP24-LKTR-23	LKTR	23	26-Aug-2024	185	-	-	-	U	0	-	-	N	-	N	N
	SLP24-LKTR-24	LKTR	24	26-Aug-2024	220	-	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-21	RDWH	21	16-Aug-2024	283	210	-	-	F	1	0.30	-	Y	L,F	N	N
	SLP24-RDWH-22	RDWH	22	16-Aug-2024	212	82	-	-	U	1	0.60	-	Y	L,F	N	N
	SLP24-RDWH-24-B	RDWH	24	18-Aug-2024	286	236	-	-	M	1	1.400	-	Y	L,F	N	N
	SLP24-RDWH-24-A	RDWH	24	17-Aug-2024	348	463	-	-	M	2	2.000	1.700	Y	L,F	N	N
	SLP24-RDWH-25-B	RDWH	25	18-Aug-2024	212	92	-	-	M	1	1.300	-	Y	L,F	N	N
	SLP24-RDWH-25-A	RDWH	25	17-Aug-2024	241	125	-	-	F	1	0.400	4.700	Y	L,F	N	N
	SLP24-RDWH-26	RDWH	26	18-Aug-2024	191	67	-	-	U	1	0.400	-	Y	L,F	N	N
	SLP24-RDWH-27	RDWH	27	18-Aug-2024	366	511	-	-	M	2	3.500	8.300	Y	L,F	N	N
	SLP24-RDWH-30	RDWH	30	2-Sep-2024	240	120	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-31	RDWH	31	2-Sep-2024	235	115	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-32	RDWH	32	2-Sep-2024	220	100	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-33	RDWH	33	2-Sep-2024	260	170	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-62	RDWH	62	15-Sep-2024	243	149	-	-	U	0	-	9.8	N	-	N	N
	SLP24-RDWH-63	RDWH	63	15-Sep-2024	209	88	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-64	RDWH	64	15-Sep-2024	251	141	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-65	RDWH	65	15-Sep-2024	352	436	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-66	RDWH	66	15-Sep-2024	225	99	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-67	RDWH	67	15-Sep-2024	262	174	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-28	RDWH	28	26-Aug-2024	387	-	-	-	U	0	-	1.2	N	-	N	N
	SLP24-RDWH-29	RDWH	29	26-Aug-2024	206	-	-	-	U	0	-	8.8	N	-	N	N
	SLP24-RDWH-70	RDWH	70	26-Aug-2024	351	-	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-71	RDWH	71	26-Aug-2024	379	-	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-32	RDWH	32	26-Aug-2024	375	-	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-33	RDWH	33	26-Aug-2024	253	-	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-34	RDWH	34	26-Aug-2024	207	-	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-35	RDWH	35	26-Aug-2024	241	-	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-36	RDWH	36	26-Aug-2024	350	-	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-37	RDWH	37	26-Aug-2024	227	-	-	-	U	0	-	-	N	-	N	N

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	SLP24-RDWH-38	RDWH	38	26-Aug-2024	241	-	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-39	RDWH	39	26-Aug-2024	216	-	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-40	RDWH	40	26-Aug-2024	239	-	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-41	RDWH	41	26-Aug-2024	201	-	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-42	RDWH	42	26-Aug-2024	239	-	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-43	RDWH	43	26-Aug-2024	261	-	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-44	RDWH	44	26-Aug-2024		-	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-45	RDWH	45	26-Aug-2024	214	-	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-46	RDWH	46	26-Aug-2024	215	-	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-47	RDWH	47	26-Aug-2024	206	-	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-48	RDWH	48	26-Aug-2024	371	-	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-49	RDWH	49	26-Aug-2024	206	-	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-50	RDWH	50	26-Aug-2024	210	-	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-51	RDWH	51	26-Aug-2024	285	-	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-52	RDWH	52	26-Aug-2024	200	-	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-53	RDWH	53	26-Aug-2024	260	-	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-54	RDWH	54	26-Aug-2024	220	-	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-55	RDWH	55	26-Aug-2024	205	-	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-56	RDWH	56	26-Aug-2024	216	-	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-57	RDWH	57	26-Aug-2024	206	-	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-58	RDWH	58	26-Aug-2024	212	-	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-59	RDWH	59	26-Aug-2024	200	-	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-60	RDWH	60	26-Aug-2024	190	-	-	-	U	0	-	-	N	-	N	N
	SLP24-RDWH-61	RDWH	61	26-Aug-2024	105	-	-	-	U	0	-	-	N	-	N	N
Cujo	CUJ24-LKTR-01	LKTR	1	24-Aug-2024	201	89	2,3	2	U	0	-	-	N	TP	N	N
	CUJ24-LKTR-02	LKTR	2	24-Aug-2024	462	1110	2,3	9.5	U	0	-	-	N	TP	N	N
	CUJ24-LKTR-03	LKTR	3	24-Aug-2024	455	1030	2,3	10	U	0	-	-	N	TP	N	N
	CUJ24-LKTR-04	LKTR	4	24-Aug-2024	449	890	2,3	10	U	0	-	-	N	TP	N	N
	CUJ24-LKTR-05	LKTR	5	24-Aug-2024	453	1010	2,3	8	U	0	-	-	N	TP	N	N
	CUJ24-LKTR-06	LKTR	6	24-Aug-2024	840	5121	2,3	14	U	0	-	-	N	TP	N	N
	CUJ24-LKTR-07	LKTR	7	24-Aug-2024	869	8060	2,3	17	U	0	-	-	N	TP	N	N
	CUJ24-LKTR-08	LKTR	8	24-Aug-2024	461	1250	2,3	10	U	0	-	-	N	TP	N	N

Lake	Fish ID	Species	Net / Set No	Sampling Date	Length (mm)	Weight (g)	Aging Structure	Age (years)	Sex	Reproductive Status	Liver Weight (g)	Gonad Weight (g)	Diet Analysis	Metals Analysis	Phenols Analysis	EROD Analysis
	CUJ24-LKTR-09	LKTR	9	24-Aug-2024	457	1110	2,3	10	U	0	-	-	N	TP	N	N
	CUJ24-LKTR-11	LKTR	11	24-Aug-2024	482	1087	2,3	12	U	0	-	-	N	-	N	N
	CUJ24-LKTR-12	LKTR	12	25-Aug-2024	460	1120	2,3	10	U	0	-	-	N	TP	N	N
	CUJ24-LKTR-13	LKTR	13	25-Aug-2024	486	1310	2,3	10	U	0	-	-	N	TP	N	N
	CUJ24-LKTR-15	LKTR	15	25-Aug-2024	460	1150	2,3	10	U	0	-	-	N	TP	N	N
	CUJ24-LKTR-16	LKTR	16	25-Aug-2024	985	10960	2,3	25	U	0	-	-	N	TP	N	N
	CUJ24-LKTR-17	LKTR	17	25-Aug-2024	920	8650	2,3	32	U	0	-	-	N	TP	N	N
	CUJ24-LKTR-18	LKTR	18	25-Aug-2024	465	1110	2,3	10	U	0	-	-	N	TP	N	N
	CUJ24-LKTR-19	LKTR	19	25-Aug-2024	447	1040	2,3	10	U	0	-	-	N	TP	N	N
	CUJ24-LKTR-20	LKTR	20	25-Aug-2024	515	1590	2,3	9	U	0	-	-	N	TP	N	N
	CUJ24-LKTR-21	LKTR	21	24-Aug-2024	188	62	2,3	2	M	0	0.60	0.04	Y	L,F,TP	N	N
	CUJ24-LKTR-22	LKTR	22	24-Aug-2024	175	49	2,3	2	U	0	0.40	0.20	Y	TP	N	N
	CUJ24-LKTR-23	LKTR	23	24-Aug-2024	463	1062	1,2,3	10	F	3	14.10	0.00	Y	L,F,TP	Y	N
	CUJ24-LKTR-24	LKTR	24	24-Aug-2024	-	-	1,2,3	-	U	0	-	-	N	-	N	N
	CUJ24-LKTR-25	LKTR	25	24-Aug-2024	-	-	1,2,3	-	U	0	-	-	N	-	N	N
	CUJ24-LKTR-26	LKTR	26	24-Aug-2024	-	-	-	-	U	0	-	-	N	-	N	N
	CUJ24-LKTR-51	LKTR	51	24-Aug-2024	175	51	-	-	U	0	-	-	N	-	N	N
	CUJ24-RDWH-01	RDWH	1	24-Aug-2024	232	137	-	4	U	1	1.20	0.10	Y	L,F	N	Y
	CUJ24-RDWH-02	RDWH	2	24-Aug-2024	230	134	2,3	3	U	1	1.10	0.05	Y	L,F	N	Y
	CUJ24-RDWH-03	RDWH	3	24-Aug-2024	179	55	1,2,3	3	U	1	0.30	0.03	Y	L,F	N	Y
	CUJ24-RDWH-04	RDWH	4	25-Aug-2024	404	694	1,2,3	19.5	F	2	8.30	0.00	Y	L,F	N	Y
	CUJ24-RDWH-05	RDWH	5	25-Aug-2024	369	520	1,2,3	12	F	2	8.10	0.00	Y	L,F	N	Y
	CUJ24-RDWH-06	RDWH	6	25-Aug-2024	227	144	1,2,3	4	U	1	0.20	-	Y	L,F	N	Y
	CUJ24-RDWH-07	RDWH	7	25-Aug-2024	226	129	1,2,3	4	U	1	0.80	-	Y	L,F	N	Y
	CUJ24-RDWH-08	RDWH	8	25-Aug-2024	403	780	1,2,3	14	F	2	9.40	0.00	Y	L,F	N	Y
	CUJ24-RDWH-09	RDWH	9	25-Aug-2024	381	678	1,2,3	12	M	2	4.00	32.40	Y	L,F	N	Y
	CUJ24-RDWH-10	RDWH	10	25-Aug-2024	398	644	1,2,3	18	F	2	-	0.00	Y	L,F	N	Y
	CUJ24-RDWH-11	RDWH	11	25-Aug-2024	394	623	1,2,3	20	M	2	5.30	28.40	Y	L,F	N	Y
	CUJ24-RDWH-12	RDWH	12	25-Aug-2024	216	103	1,2,3	4	M	1	0.70	0.30	Y	L,F	N	Y
	CUJ24-RDWH-13	RDWH	13	25-Aug-2024	380	633	1,2,3	13	F	2	9.70	0.00	Y	L,F	N	Y
	CUJ24-RDWH-14	RDWH	14	25-Aug-2024	180	59	1,2,3	3	U	1	-	0.10	Y	L,F	N	Y
	CUJ24-RDWH-15	RDWH	15	25-Aug-2024	381	644	1,2,3	12	M	2	3.90	32.10	Y	L,F	N	Y

Lake	Fish ID	Species	Net / Set No	Sampling Date	Length (mm)	Weight (g)	Aging Structure	Age (years)	Sex	Reproductive Status	Liver Weight (g)	Gonad Weight (g)	Diet Analysis	Metals Analysis	Phenols Analysis	EROD Analysis
	CUJ24-RDWH-16	RDWH	16	25-Aug-2024	385	692	1,2,3	13	M	2	2.50	32.10	Y	L,F	N	Y
	CUJ24-RDWH-17	RDWH	17	26-Aug-2024	390	667	1,2,3	13	M	2	5.80	28.50	Y	L,F	N	Y
	CUJ24-RDWH-18	RDWH	18	26-Aug-2024	371	532	1,2,3	15	M	2	4.60	17.90	Y	L,F	N	Y
	CUJ24-RDWH-19	RDWH	19	26-Aug-2024	211	103	1,2,3	4	F	1	0.90	0.00	Y	L,F	N	Y
	CUJ24-RDWH-20	RDWH	20	26-Aug-2024	204	84	1,2,3	4	F	1	0.60	0.00	Y	L,F	N	Y
	CUJ24-RDWH-21	RDWH	21	25-Aug-2024	396	639	1,2,3	-	F	2	9.80	0.00	Y	L,F	N	N
	CUJ24-RDWH-22	RDWH	22	25-Aug-2024	388	683	1,2,3	-	M	2	5.00	26.80	Y	L,F	N	N
	CUJ24-RDWH-23	RDWH	23	25-Aug-2024	380	667	1,2,3	-	M	2	5.10	33.20	Y	L,F	N	N
	CUJ24-RDWH-24	RDWH	24	25-Aug-2024	381	624	1,2,3	-	M	2	6.00	26.00	Y	L,F	N	N
Nema	NEM24-RDWH-01	RDWH	1	29-Aug-2024	384	607	1,2,3	13	M	0	0.14	-	Y	L,F	N	Y
	NEM24-RDWH-02	RDWH	2	29-Aug-2024	402	732	1,2,3	17	F	2	8.20	-	Y	L,F	N	Y
	NEM24-RDWH-03	RDWH	3	29-Aug-2024	415	806	-	13.5	M	2	3.50	-	Y	L,F	N	Y
	NEM24-RDWH-04	RDWH	4	29-Aug-2024	421	723	-	15	F	2	7.10	-	Y	L,F	N	Y
	NEM24-RDWH-05	RDWH	5	29-Aug-2024	388	642	-	10	F	0	7.60	-	Y	L,F	N	Y
	NEM24-RDWH-06	RDWH	6	29-Aug-2024	403	737	-	13	F	2	8.50	-	Y	L,F	N	Y
	NEM24-RDWH-07	RDWH	7	29-Aug-2024	407	769	-	13	M	2	4.80	-	Y	L,F	N	Y
	NEM24-RDWH-08	RDWH	8	29-Aug-2024	382	589	-	12	M	2	3.20	-	Y	L,F	N	Y
	NEM24-RDWH-09	RDWH	9	29-Aug-2024	446	1006	-	22	F	2	14.50	-	Y	L,F	N	Y
	NEM24-RDWH-10	RDWH	10	29-Aug-2024	287	278	-	4	F	1	1.80	-	Y	L,F	N	Y
	NEM24-RDWH-11	RDWH	11	29-Aug-2024	410	776	-	13	M	2	5.40	-	Y	L,F	N	Y
	NEM24-RDWH-12	RDWH	12	29-Aug-2024	420	844	-	14	F	2	10.70	-	Y	L,F	N	Y
	NEM24-RDWH-13	RDWH	13	29-Aug-2024	413	863	-	12	M	0	5.40	-	Y	L,F	N	Y
	NEM24-RDWH-14	RDWH	14	31-Aug-2024	403	776	-	10	F	2	10.00	-	Y	L,F	N	Y
	NEM24-RDWH-15	RDWH	15	31-Aug-2024	400	753	-	15	F	2	7.20	-	Y	L,F	N	Y
	NEM24-RDWH-16	RDWH	16	31-Aug-2024	317	352	-	5	M	2	2.70	-	Y	L,F	N	Y
	NEM24-RDWH-17	RDWH	17	31-Aug-2024	382	618	-	10	F	2	6.80	-	Y	L,F	N	Y
	NEM24-RDWH-18	RDWH	18	31-Aug-2024	303	295	-	10	F	2	1.40	-	Y	L,F	N	Y
	NEM24-RDWH-19	RDWH	19	31-Aug-2024	401	647	1,2,3	12	M	2	3.30	0.06	Y	L,F	N	Y
	NEM24-RDWH-20	RDWH	20	31-Aug-2024	215	106	1,2,3	3	M	1	0.60	0.08	Y	L,F	N	Y
Slipper	SLP24-RDWH-01	RDWH	1	16-Aug-2024	196	69	-	3	M	1	0.01	-	Y	L,F	N	Y
	SLP24-RDWH-02	RDWH	2	16-Aug-2024	249	148	-	4	F	1	0.40	-	Y	L,F	N	Y
	SLP24-RDWH-03	RDWH	3	16-Aug-2024	250	147	-	4	F	1	3.00	-	Y	L,F	N	Y

Lake	Fish ID	Species	Net / Set No	Sampling Date	Length (mm)	Weight (g)	Aging Structure	Age (years)	Sex	Reproductive Status	Liver Weight (g)	Gonad Weight (g)	Diet Analysis	Metals Analysis	Phenols Analysis	EROD Analysis
	SLP24-RDWH-04	RDWH	4	16-Aug-2024	335	351	-	8	F	2	2.50	-	Y	L,F	N	Y
	SLP24-RDWH-05	RDWH	5	16-Aug-2024	341	375	-	10	M	2	2.10	-	Y	L,F	N	Y
	SLP24-RDWH-06	RDWH	6	16-Aug-2024	348	392	-	9	F	2	2.90	-	Y	L,F	N	Y
	SLP24-RDWH-07	RDWH	7	17-Aug-2024	204	74	-	3	M	1	0.01	-	Y	L,F	N	Y
	SLP24-RDWH-08	RDWH	8	17-Aug-2024	366	498	-	6	F	2	2.20	-	Y	L,F	N	Y
	SLP24-RDWH-09	RDWH	9	17-Aug-2024	244	141	-	4	U	1	0.80	-	Y	L,F	N	Y
	SLP24-RDWH-10	RDWH	10	17-Aug-2024	249	140	-	5	U	0	0.50	-	Y	L,F	N	Y
	SLP24-RDWH-11	RDWH	11	17-Aug-2024	266	175	-	4	U	0	1.40	-	Y	L,F	N	Y
	SLP24-RDWH-12	RDWH	12	17-Aug-2024	205	72	-	3	F	1	0.10	-	Y	L,F	N	Y
	SLP24-RDWH-13	RDWH	13	17-Aug-2024	388	584	-	11	F	2	4.30	-	Y	L,F	N	Y
	SLP24-RDWH-14	RDWH	14	17-Aug-2024	203	73	-	3	U	0	0.20	-	Y	L,F	N	Y
	SLP24-RDWH-15	RDWH	15	17-Aug-2024	205	84	-	4	U	0	0.40	-	Y	L,F	N	Y
	SLP24-RDWH-16	RDWH	16	17-Aug-2024	212	86	-	4	U	1	0.30	-	Y	L,F	N	Y
	SLP24-RDWH-17	RDWH	17	17-Aug-2024	246	142	-	4	U	0	0.40	-	Y	L,F	N	Y
	SLP24-RDWH-18	RDWH	18	17-Aug-2024	240	127	-	4	F	1	0.50	-	Y	L,F	N	Y
	SLP24-RDWH-19	RDWH	19	18-Aug-2024	331	365	-	6	F	2	1.50	-	Y	L,F	N	Y
	SLP24-RDWH-20	RDWH	20	18-Aug-2024	365	492	-	9	F	2	3.80	-	Y	L,F	N	Y
	SLP24-RDWH-23	RDWH	23	17-Aug-2024	239	119	-	-	F	1	0.30	-	Y	L,F	N	N

Notes

Species: ARGR = Arctic Grayling; BURB = Burbot; LKCH = Lake Chub; LKTR = Lake Trout; RDWH = Round Whitefish; LNSU = Longnose Sucker; NNST = Ninespine Stickleback; SLSC = Slimy Sculpin; UNKN = Unknown

EROD = ethoxyresorufin-o-deethylase; Y = yes; N = no

Aging structure: 1 = otolith, 2= scale; 3= fin ray

Sex: M = male, F = female, U = unknown

Reproductive status: 0 = unknown, 1 = undeveloped, 2 = green, 3 = ripe, 4 = running, 5 = spent

Metals analysis: L = liver; F = muscle fillet; TP = tissue plug (muscle)

Table 3.9-3 Gillnet-Caught Fish Species Length, Weight, and Condition Data Summary for AEMP Lakes, 2024

Lake	Species	Length (mm)						Weight (g)						Condition (k)					
		n	Mean	SD	SE	Min	Max	n	Mean	SD	SE	Min	Max	n	Mean	SD	SE	Min	Max
Nanuq	LKTR	28	438.3	165.4	31.3	187.0	770.0	25	1336.9	1373.3	274.7	51.0	4790.0	25	1.08	0.25	0.05	0.69	2.12
	RDWH	78	259.3	77.1	8.7	133.0	430.0	48	229.0	256.4	37.0	54.0	1000.0	74	0.94	0.12	0.01	0.80	1.28
Counts	LKTR	23	396.8	140.6	29.3	205.0	841.0	22	972.8	1459.2	311.1	97.3	7060.0	23	1.09	0.12	0.03	0.84	1.23
	RDWH	30	351.0	24.5	4.5	270.0	388.0	30	507.4	106.6	19.5	301.0	707.0	30	1.16	0.13	0.02	0.88	1.54
Vulture	LKTR	23	482.0	62.6	13.1	245.0	576.0	22	1327.3	414.1	88.3	144.0	2200.0	23	1.13	0.16	0.03	0.83	1.46
Kodiak	LKTR	22	531.2	89.7	19.1	458.0	840.0	22	1681.0	1172.7	250.0	940.0	6620.0	22	1.05	0.15	0.03	0.72	1.31
	RDWH	24	284.0	77.6	15.8	198.0	440.0	23	270.1	242.2	50.5	78.0	869.0	23	1.03	0.06	0.01	0.91	1.17
Leslie	LKTR	33	494.4	68.8	12.0	393.0	723.0	32	1351.3	703.1	124.3	690.0	4470.0	32	1.08	0.09	0.02	0.89	1.22
	RDWH	22	404.6	24.8	5.3	360.0	440.0	22	748.0	124.2	26.5	494.0	920.0	22	1.12	0.07	0.01	0.98	1.25
Moose	LKTR	20	448.5	87.0	19.5	295.0	596.0	20	1042.8	532.6	119.1	280.0	2140.0	20	1.06	0.06	0.01	0.92	1.16
	RDWH	28	287.1	84.0	15.9	145.0	411.0	27	315.1	227.3	43.7	66.0	695.0	27	1.00	0.09	0.02	0.82	1.17
Nema	LKTR	21	505.4	129.4	28.2	165.0	841.0	20	1491.7	1132.2	253.2	50.0	5590.0	20	0.97	0.14	0.03	0.55	1.23
	RDWH	38	355.6	69.1	11.2	215.0	446.0	24	573.6	266.6	54.4	106.0	1006.0	38	1.09	0.08	0.01	0.82	1.23
Slipper	LKTR	29	403.4	136.7	25.4	185.0	718.0	26	1001.7	989.9	194.1	81.0	3930.0	28	1.03	0.10	0.02	0.79	1.27
	RDWH	72	255.7	62.2	7.3	105.0	388.0	39	205.9	152.5	24.4	67.0	584.0	72	0.94	0.06	0.01	0.84	1.10
Cujo	LKTR	24	490.9	217.2	44.3	175.0	985.0	24	2121.7	2937.6	599.6	49.0	10960.0	24	1.08	0.10	0.02	0.86	1.28
	RDWH	24	321.1	87.8	17.9	179.0	404.0	24	444.5	273.6	55.8	55.0	780.0	24	1.10	0.08	0.02	0.96	1.23

Notes:

Species: LKTR = Lake Trout; RDWH= Round Whitefish

n = sample size; SD = standard deviation from the mean; Min = minimum value; Max = maximum value; mm = millimetre; g = gram; condition (k) = (weight*105)/total length^3

Dashes (-) indicate not applicable

Table 3.9-4 Lake Trout and Round Whitefish Parasite Data for AEMP Lakes, 2024

Lake	Species	Fish ID	Fish Weight (g)	Infected (Y/N)	Parasites		External Parasites (Y/N)	Parasite Percent Fish Weight (%)
					IP	EP		
Nanuq	LKTR	NAN24-LKTR-01	1240	N	-	-	-	-
		NAN24-LKTR-02	3390	N	-	-	-	-
		NAN24-LKTR-03	1630	N	-	-	-	-
		NAN24-LKTR-04	715	N	-	-	-	-
		NAN24-LKTR-05	1442	N	-	-	-	-
		NAN24-LKTR-06	4590	N	-	-	-	-
		NAN24-LKTR-07	-	N	-	-	-	-
		NAN24-LKTR-08	321	N	-	-	-	-
		NAN24-LKTR-09	910	N	-	-	-	-
		NAN24-LKTR-10	75	N	-	-	-	-
		NAN24-LKTR-11	570	N	-	-	-	-
		NAN24-LKTR-12	570	N	-	-	-	-
		NAN24-LKTR-13	-	N	-	-	-	-
		NAN24-LKTR-14	1050	N	-	-	-	-
		NAN24-LKTR-15	3800	N	-	-	-	-
		NAN24-LKTR-16	4790	N	-	-	-	-
		NAN24-LKTR-17	920	N	-	-	-	-
		NAN24-LKTR-18	920	N	-	-	-	-
		NAN24-LKTR-19	2260	N	-	-	-	-
		NAN24-LKTR-20	1120	N	-	-	-	-
		NAN24-LKTR-21	51	N	-	-	-	-
		NAN24-LKTR-22	-	N	-	-	-	-
		NAN24-LKTR-23	80	N	-	-	-	-
		NAN24-LKTR-24	470	N	-	-	-	-
		NAN24-LKTR-25	1120	N	-	-	-	-
		NAN24-LKTR-26	900	N	-	-	-	-
		NAN24-LKTR-27	75	N	-	-	-	-
		NAN24-LKTR-28	413	N	-	-	-	-
	RDWH	NAN24-RDWH-01	98	N	-	-	-	-
		NAN24-RDWH-02	110	N	-	-	-	-
		NAN24-RDWH-03	96	N	-	-	-	-

Lake	Species	Fish ID	Fish Weight (g)	Infected (Y/N)	Parasites		External Parasites (Y/N)	Parasite Percent Fish Weight (%)
					IP	EP		
		NAN24-RDWH-04	67	N	-	-	-	-
		NAN24-RDWH-05	81	N	-	-	-	-
		NAN24-RDWH-06	103	N	-	-	-	-
		NAN24-RDWH-07	85	N	-	-	-	-
		NAN24-RDWH-08	70	N	-	-	-	-
		NAN24-RDWH-09	111	N	-	-	-	-
		NAN24-RDWH-10	59	N	-	-	-	-
		NAN24-RDWH-11	106	N	-	-	-	-
		NAN24-RDWH-12	100	N	-	-	-	-
		NAN24-RDWH-13	62	N	-	-	-	-
		NAN24-RDWH-14	185	N	-	-	-	-
		NAN24-RDWH-15	85	N	-	-	-	-
		NAN24-RDWH-16	96	N	-	-	-	-
		NAN24-RDWH-17	106	N	-	-	-	-
		NAN24-RDWH-18	609	N	-	-	-	-
		NAN24-RDWH-19	710	N	-	-	-	-
		NAN24-RDWH-20	221	N	-	-	-	-
		NAN24-RDWH-21	749	N	-	-	-	-
		NAN24-RDWH-22	230	N	-	-	-	-
		NAN24-RDWH-23	113	N	-	-	-	-
		NAN24-RDWH-24	92	N	-	-	-	-
		NAN24-RDWH-25	100	N	-	-	-	-
		NAN24-RDWH-26/22B	102	N	-	-	-	-
		NAN24-RDWH-27	160	N	-	-	-	-
		NAN24-RDWH-28	103	N	-	-	-	-
		NAN24-RDWH-30	-	N	-	-	-	-
		NAN24-RDWH-31	-	N	-	-	-	-
		NAN24-RDWH-32	-	N	-	-	-	-
		NAN24-RDWH-33	-	N	-	-	-	-
		NAN24-RDWH-34	1000	N	-	-	-	-
		NAN24-RDWH-35	900	N	-	-	-	-
		NAN24-RDWH-36	-	N	-	-	-	-
		NAN24-RDWH-37	-	N	-	-	-	-

Lake	Species	Fish ID	Fish Weight (g)	Infected (Y/N)	Parasites		External Parasites (Y/N)	Parasite Percent Fish Weight (%)
					IP	EP		
		NAN24-RDWH-38	750	N	-	-	-	-
		NAN24-RDWH-39	-	N	-	-	-	-
		NAN24-RDWH-40	-	N	-	-	-	-
		NAN24-RDWH-41	-	N	-	-	-	-
		NAN24-RDWH-42	-	N	-	-	-	-
		NAN24-RDWH-43	-	N	-	-	-	-
		NAN24-RDWH-44	-	N	-	-	-	-
		NAN24-RDWH-45	-	N	-	-	-	-
		NAN24-RDWH-46	-	N	-	-	-	-
		NAN24-RDWH-47	-	N	-	-	-	-
		NAN24-RDWH-48	-	N	-	-	-	-
		NAN24-RDWH-49	-	N	-	-	-	-
		NAN24-RDWH-50	-	N	-	-	-	-
		NAN24-RDWH-51	-	N	-	-	-	-
		NAN24-RDWH-52	-	N	-	-	-	-
		NAN24-RDWH-53	-	N	-	-	-	-
		NAN24-RDWH-54	-	N	-	-	-	-
		NAN24-RDWH-55	-	N	-	-	-	-
		NAN24-RDWH-56	-	N	-	-	-	-
		NAN24-RDWH-57	-	N	-	-	-	-
		NAN24-RDWH-58	-	N	-	-	-	-
		NAN24-RDWH-59	-	N	-	-	-	-
		NAN24-RDWH-60	-	N	-	-	-	-
		NAN24-RDWH-61	82	N	-	-	-	-
		NAN24-RDWH-62	95	N	-	-	-	-
		NAN24-RDWH-63	58	N	-	-	-	-
		NAN24-RDWH-64	54	N	-	-	-	-
		NAN24-RDWH-65	55	N	-	-	-	-
		NAN24-RDWH-66	88	N	-	-	-	-
		NAN24-RDWH-67	500	N	-	-	-	-
		NAN24-RDWH-68	303	N	-	-	-	-
		NAN24-RDWH-69	562	N	-	-	-	-
		NAN24-RDWH-70	60	N	-	-	-	-

Lake	Species	Fish ID	Fish Weight (g)	Infected (Y/N)	Parasites		External Parasites (Y/N)	Parasite Percent Fish Weight (%)
					IP	EP		
		NAN24-RDWH-71	62	N	-	-	-	-
		NAN24-RDWH-72	-	N	-	-	-	-
		NAN24-RDWH-73	65	N	-	-	-	-
		NAN24-RDWH-74	126	N	-	-	-	-
		NAN24-RDWH-75	193	N	-	-	-	-
		NAN24-RDWH-81	299	N	-	-	-	-
		NAN24-RDWH-83	171	N	-	-	-	-
		NAN24-RDWH-86	760	N	-	-	-	-
		NAN24-RDWH-87	-	N	-	-	-	-
Counts	LKTR	CON24-LKTR-01	527	N	-	-	-	-
		CON24-LKTR-02	891	N	-	-	-	-
		CON24-LKTR-03	158	N	-	-	-	-
		CON24-LKTR-05	500	N	-	-	-	-
		CON24-LKTR-06	841	N	-	-	-	-
		CON24-LKTR-07	2640	N	-	-	-	-
		CON24-LKTR-08	742	N	-	-	-	-
		CON24-LKTR-09	1139	N	-	-	-	-
		CON24-LKTR-10	611	N	-	-	-	-
		CON24-LKTR-11	760	N	-	-	-	-
		CON24-LKTR-12	1070	N	-	-	-	-
		CON24-LKTR-13	778	N	-	-	-	-
		CON24-LKTR-14	-	N	-	-	-	-
		CON24-LKTR-15	765	N	-	-	-	-
		CON24-LKTR-16	7060	N	-	-	-	-
		CON24-LKTR-17	356	N	-	-	-	-
		CON24-LKTR-18	769	N	-	-	-	-
		CON24-LKTR-19	334	N	-	-	-	-
		CON24-LKTR-20	746	N	-	-	-	-
		CON24-LKTR-21	199	N	-	-	-	-
		CON24-LKTR-23	134	N	-	-	-	-
		CON24-LKTR-24	285	N	-	-	-	-
		CON24-LKTR-25	97	Y	-	Cysts in gut	-	-
	RDWH	CON24-RDWH-01	304	N	-	-	-	-

Lake	Species	Fish ID	Fish Weight (g)	Infected (Y/N)	Parasites		External Parasites (Y/N)	Parasite Percent Fish Weight (%)
					IP	EP		
		CON24-RDWH-02	447	N	-	-	-	-
		CON24-RDWH-03	403	N	-	-	-	-
		CON24-RDWH-04	484	N	-	-	-	-
		CON24-RDWH-05	422	N	-	-	-	-
		CON24-RDWH-06	697	N	-	-	-	-
		CON24-RDWH-07	621	N	-	-	-	-
		CON24-RDWH-08	511	N	-	-	-	-
		CON24-RDWH-09	533	N	-	-	-	-
		CON24-RDWH-10	381	N	-	-	-	-
		CON24-RDWH-11	660	N	-	-	-	-
		CON24-RDWH-21	545	N	-	-	-	-
		CON24-RDWH-22	570	N	-	-	-	-
		CON24-RDWH-23	393	N	-	-	-	-
		CON24-RDWH-24	528	N	-	-	-	-
		CON24-RDWH-25	542	N	-	-	-	-
		CON24-RDWH-26	551	N	-	-	-	-
		CON24-RDWH-27	452	N	-	-	-	-
		CON24-RDWH-28	707	N	-	-	-	-
		CON24-RDWH-29	651	N	-	-	-	-
		CON24-RDWH-12	626	N	-	-	-	-
		CON24-RDWH-13	461	N	-	-	-	-
		CON24-RDWH-14	637	N	-	-	-	-
		CON24-RDWH-15	433	N	-	-	-	-
		CON24-RDWH-16	301	N	-	-	-	-
		CON24-RDWH-18	493	N	-	-	-	-
		CON24-RDWH-19	507	N	-	-	-	-
		CON24-RDWH-20	425	N	-	-	-	-
		CON24-RDWH-52	482	N	-	-	-	-
		CON24-RDWH-51	456	N	-	-	-	-
Vulture	LKTR	VUL24-LKTR-01	1488	N	-	-	-	-
		VUL24-LKTR-02	1597	N	-	-	-	-
		VUL24-LKTR-03	1410	N	-	-	-	-
		VUL24-LKTR-04	1262	N	-	-	-	-

Lake	Species	Fish ID	Fish Weight (g)	Infected (Y/N)	Parasites		External Parasites (Y/N)	Parasite Percent Fish Weight (%)
					IP	EP		
		VUL24-LKTR-05	710	N	-	-	-	-
		VUL24-LKTR-06	2050	N	-	-	-	-
		VUL24-LKTR-07	1220	N	-	-	-	-
		VUL24-LKTR-08	1300	N	-	-	-	-
		VUL24-LKTR-09	1270	N	-	-	-	-
		VUL24-LKTR-10	1330	N	-	-	-	-
		VUL24-LKTR-11	2200	N	-	-	-	-
		VUL24-LKTR-12	144	N	-	-	-	-
		VUL24-LKTR-13	1530	N	-	-	-	-
		VUL24-LKTR-14	1270	N	-	-	-	-
		VUL24-LKTR-15	1360	N	-	-	-	-
		VUL24-LKTR-16	1410	N	-	-	-	-
		VUL24-LKTR-17	1100	N	-	-	-	-
		VUL24-LKTR-18	1210	N	-	-	-	-
		VUL24-LKTR-19	1150	N	-	-	-	-
		VUL24-LKTR-21	1150	N	-	-	-	-
		VUL24-LKTR-22	1800	N	-	-	-	-
		VUL24-LKTR-23	1240	N	-	-	-	-
		VUL24-LKTR-20	-	N	-	-	-	-
Kodiak	LKTR	KOD24-LKTR-01	1700	N	-	-	-	-
		KOD24-LKTR-02	1050	N	-	-	-	-
		KOD24-LKTR-03	1230	N	-	-	-	-
		KOD24-LKTR-04	1240	N	-	-	-	-
		KOD24-LKTR-05	1210	N	-	-	-	-
		KOD24-LKTR-06	2180	N	-	-	-	-
		KOD24-LKTR-07	1220	N	-	-	-	-
		KOD24-LKTR-08	1140	N	-	-	-	-
		KOD24-LKTR-09	6620	N	-	-	-	-
		KOD24-LKTR-10	1540	N	-	-	-	-
		KOD24-LKTR-11	1300	N	-	-	-	-
		KOD24-LKTR-12	1180	N	-	-	-	-
		KOD24-LKTR-13	2250	N	-	-	-	-
		KOD24-LKTR-14	1260	N	-	-	-	-

Lake	Species	Fish ID	Fish Weight (g)	Infected (Y/N)	Parasites		External Parasites (Y/N)	Parasite Percent Fish Weight (%)
					IP	EP		
		KOD24-LKTR-15	940	N	-	-	-	-
		KOD24-LKTR-16	1230	N	-	-	-	-
		KOD24-LKTR-17	1280	N	-	-	-	-
		KOD24-LKTR-18	1560	N	-	-	-	-
		KOD24-LKTR-19	2332	N	-	-	-	-
		KOD24-LKTR-20	1990	N	-	-	-	-
		KOD24-LKTR-65	1310	N	-	-	-	-
		KOD24-LKTR-66	1310	N	-	-	-	-
	RDWH	KOD24-RDWH-01	185	N	-	-	-	-
		KOD24-RDWH-02	540	N	-	-	-	-
		KOD24-RDWH-03	90	N	-	-	-	-
		KOD24-RDWH-04	-	N	-	-	-	-
		KOD24-RDWH-05	720	N	-	-	-	-
		KOD24-RDWH-06	103	N	-	-	-	-
		KOD24-RDWH-07	187	N	-	-	-	-
		KOD24-RDWH-08	240	N	-	-	-	-
		KOD24-RDWH-09	193	N	-	-	-	-
		KOD24-RDWH-10	196	N	-	-	-	-
		KOD24-RDWH-11	143	N	-	-	-	-
		KOD24-RDWH-12	83	N	-	-	-	-
		KOD24-RDWH-13	205	N	-	-	-	-
		KOD24-RDWH-14	706	N	-	-	-	-
		KOD24-RDWH-15	869	N	-	-	-	-
		KOD24-RDWH-16	681	N	-	-	-	-
		KOD24-RDWH-17	154	N	-	-	-	-
		KOD24-RDWH-18	131	N	-	-	-	-
		KOD24-RDWH-19	97	N	-	-	-	-
		KOD24-RDWH-20	144	N	-	-	-	-
		KOD24-RDWH-23	175	N	-	-	-	-
		KOD24-RDWH-24	126	N	-	-	-	-
		KOD24-RDWH-25	167	N	-	-	-	-
		KOD24-RDWH-26	78	N	-	-	-	-

Lake	Species	Fish ID	Fish Weight (g)	Infected (Y/N)	Parasites		External Parasites (Y/N)	Parasite Percent Fish Weight (%)
					IP	EP		
Leslie	LKTR	LES24-LKTR-01	1290	N	-	-	-	-
		LES24-LKTR-02	1040	N	-	-	-	-
		LES24-LKTR-03	1010	N	-	-	-	-
		LES24-LKTR-04	1460	N	-	-	-	-
		LES24-LKTR-05	2320	N	-	-	-	-
		LES24-LKTR-06	1340	N	-	-	-	-
		LES24-LKTR-07	1120	N	-	-	-	-
		LES24-LKTR-08	970	N	-	-	-	-
		LES24-LKTR-09	970	N	-	-	-	-
		LES24-LKTR-10	1980	N	-	-	-	-
		LES24-LKTR-11	1060	N	-	-	-	-
		LES24-LKTR-12	1290	N	-	-	-	-
		LES24-LKTR-13	1030	N	-	-	-	-
		LES24-LKTR-14	690	N	-	-	-	-
		LES24-LKTR-15	1060	N	-	-	-	-
		LES24-LKTR-16	730	N	-	-	-	-
		LES24-LKTR-17	1150	N	-	-	-	-
		LES24-LKTR-18	1320	N	-	-	-	-
		LES24-LKTR-19	1730	N	-	-	-	-
		LES24-LKTR-20	1580	N	-	-	-	-
		LES24-LKTR-21	1280	N	-	-	-	-
		LES24-LKTR-22	870	N	-	-	-	-
		LES24-LKTR-23	1130	N	-	-	-	-
		LES24-LKTR-24	1090	N	-	-	-	-
		LES24-LKTR-25	830	N	-	-	-	-
		LES24-LKTR-26	1070	N	-	-	-	-
		LES24-LKTR-27	1020	N	-	-	-	-
		LES24-LKTR-28	1280	N	-	-	-	-
		LES24-LKTR-33	2580	N	-	-	-	-
		LES24-LKTR-34	4470	N	-	-	-	-
		LES24-LKTR-35	1210	N	-	-	-	-
		LES24-LKTR-36	-	N	-	-	-	-
		LES24-LKTR-37	1270	N	-	-	-	-

Lake	Species	Fish ID	Fish Weight (g)	Infected (Y/N)	Parasites		External Parasites (Y/N)	Parasite Percent Fish Weight (%)
					IP	EP		
	RDWH	LES24-RDWH-01	815	N	-	-	-	-
		LES24-RDWH-02	650	N	-	-	-	-
		LES24-RDWH-03	600	N	-	-	-	-
		LES24-RDWH-04	800	N	-	-	-	-
		LES24-RDWH-05	830	N	-	-	-	-
		LES24-RDWH-06	680	N	-	-	-	-
		LES24-RDWH-07	920	N	-	-	-	-
		LES24-RDWH-08	800	N	-	-	-	-
		LES24-RDWH-09	870	N	-	-	-	-
		LES24-RDWH-10	660	N	-	-	-	-
		LES24-RDWH-11	577	N	-	-	-	-
		LES24-RDWH-12	815	N	-	-	-	-
		LES24-RDWH-13	494	N	-	-	-	-
		LES24-RDWH-14	603	N	-	-	-	-
		LES24-RDWH-15	816	N	-	-	-	-
		LES24-RDWH-16	813	N	-	-	-	-
		LES24-RDWH-17	795	N	-	-	-	-
		LES24-RDWH-18	878	N	-	-	-	-
		LES24-RDWH-19	579	N	-	-	-	-
		LES24-RDWH-20	875	N	-	-	-	-
		LES24-RDWH-21	686	N	-	-	-	-
		LES24-RDWH-22	900	N	-	-	-	-
Moose	LKTR	MOO24-LKTR-01	748	N	-	-	-	-
		MOO24-LKTR-02	1950	N	-	-	-	-
		MOO24-LKTR-03	1280	N	-	-	-	-
		MOO24-LKTR-04	1470	N	-	-	-	-
		MOO24-LKTR-05	1310	N	-	-	-	-
		MOO24-LKTR-06	850	N	-	-	-	-
		MOO24-LKTR-07	1040	N	-	-	-	-
		MOO24-LKTR-08	680	N	-	-	-	-
		MOO24-LKTR-09	710	N	-	-	-	-
		MOO24-LKTR-10	1960	N	-	-	-	-
		MOO24-LKTR-11	1020	N	-	-	-	-

Lake	Species	Fish ID	Fish Weight (g)	Infected (Y/N)	Parasites		External Parasites (Y/N)	Parasite Percent Fish Weight (%)
					IP	EP		
		MOO24-LKTR-12	650	N	-	-	-	-
		MOO24-LKTR-13	310	N	-	-	-	-
		MOO24-LKTR-14	900	N	-	-	-	-
		MOO24-LKTR-15	280	N	-	-	-	-
		MOO24-LKTR-16	2140	N	-	-	-	-
		MOO24-LKTR-17	328	N	-	-	-	-
		MOO24-LKTR-18	1220	N	-	-	-	-
		MOO24-LKTR-19	1060	N	-	-	-	-
		MOO24-LKTR-20	950	N	-	-	-	-
	RDWH	MOO24-RDWH-01	254	N	-	-	-	-
		MOO24-RDWH-02	66	N	-	-	-	-
		MOO24-RDWH-03	80	N	-	-	-	-
		MOO24-RDWH-04	256	N	-	-	-	-
		MOO24-RDWH-05	331	N	-	-	-	-
		MOO24-RDWH-06	72	N	-	-	-	-
		MOO24-RDWH-07	75	N	-	-	-	-
		MOO24-RDWH-08	73	N	-	-	-	-
		MOO24-RDWH-09	71	N	-	-	-	-
		MOO24-RDWH-10	265	N	-	-	-	-
		MOO24-RDWH-11	588	N	-	-	-	-
		MOO24-RDWH-12	639	N	-	-	-	-
		MOO24-RDWH-13	593	N	-	-	-	-
		MOO24-RDWH-14	538	N	-	-	-	-
		MOO24-RDWH-15	421	N	-	-	-	-
		MOO24-RDWH-16	470	N	-	-	-	-
		MOO24-RDWH-17	695	N	-	-	-	-
		MOO24-RDWH-18	606	N	-	-	-	-
		MOO24-RDWH-19	315	N	-	-	-	-
		MOO24-RDWH-20	618	N	-	-	-	-
		MOO24-RDWH-21	-	N	-	-	-	-
		MOO24-RDWH-31	83	N	-	-	-	-
		MOO24-RDWH-22	67	N	-	-	-	-
		MOO24-RDWH-32	70	N	-	-	-	-

Lake	Species	Fish ID	Fish Weight (g)	Infected (Y/N)	Parasites		External Parasites (Y/N)	Parasite Percent Fish Weight (%)
					IP	EP		
		MOO24-RDWH-23	238	N	-	-	-	-
		MOO24-RDWH-24	68	N	-	-	-	-
		MOO24-RDWH-25	371	N	-	-	-	-
		MOO24-RDWH-26	585	N	-	-	-	-
Nema	LKTR	NEM24-LKTR-01	445	N	-	-	-	-
		NEM24-LKTR-02	559	N	-	-	-	-
		NEM24-LKTR-03	546	N	-	-	-	-
		NEM24-LKTR-04	685	N	-	-	-	-
		NEM24-LKTR-05	590	N	-	-	-	-
		NEM24-LKTR-06	516	N	-	-	-	-
		NEM24-LKTR-07	589	N	-	-	-	-
		NEM24-LKTR-08	495	N	-	-	-	-
		NEM24-LKTR-09	490	N	-	-	-	-
		NEM24-LKTR-10	493	N	-	-	-	-
		NEM24-LKTR-11	554	N	-	-	-	-
		NEM24-LKTR-12	500	N	-	-	-	-
		NEM24-LKTR-13	442	N	-	-	-	-
		NEM24-LKTR-14	490	N	-	-	-	-
		NEM24-LKTR-15	507	N	-	-	-	-
		NEM24-LKTR-16	342	N	-	-	-	-
		NEM24-LKTR-17	410	N	-	-	-	-
		NEM24-LKTR-18	417	N	-	-	-	-
		NEM24-LKTR-19	538	N	-	-	-	-
		NEM24-LKTR-31	165	N	-	-	-	-
		NEM24-LKTR-20	841	N	-	-	-	-
	RDWH	NEM24-RDWH-01	607	N	-	-	-	-
		NEM24-RDWH-02	732	N	-	-	-	-
		NEM24-RDWH-03	806	N	-	-	-	-
		NEM24-RDWH-04	723	N	-	-	-	-
		NEM24-RDWH-05	642	N	-	-	-	-
		NEM24-RDWH-06	737	N	-	-	-	-
		NEM24-RDWH-07	769	N	-	-	-	-
		NEM24-RDWH-08	589	N	-	-	-	-

Lake	Species	Fish ID	Fish Weight (g)	Infected (Y/N)	Parasites		External Parasites (Y/N)	Parasite Percent Fish Weight (%)
					IP	EP		
		NEM24-RDWH-09	1006	N	-	-	-	-
		NEM24-RDWH-10	278	N	-	-	-	-
		NEM24-RDWH-11	776	N	-	-	-	-
		NEM24-RDWH-12	844	N	-	-	-	-
		NEM24-RDWH-13	863	N	-	-	-	-
		NEM24-RDWH-14	776	N	-	-	-	-
		NEM24-RDWH-15	753	N	-	-	-	-
		NEM24-RDWH-16	352	N	-	-	-	-
		NEM24-RDWH-17	618	N	-	-	-	-
		NEM24-RDWH-18	295	N	-	-	-	-
		NEM24-RDWH-19	647	N	-	-	-	-
		NEM24-RDWH-20	106	N	-	-	-	-
		NEM24-RDWH-21	340	N	-	-	-	-
		NEM24-RDWH-40	-	N	-	-	-	-
		NEM24-RDWH-41	-	N	-	-	-	-
		NEM24-RDWH-42	-	N	-	-	-	-
		NEM24-RDWH-82	107	N	-	-	-	-
		NEM24-RDWH-94	120	N	-	-	-	-
Slipper	LKTR	SLP24-LKTR-01	97	N	-	-	-	-
		SLP24-LKTR-02	898	N	-	-	-	-
		SLP24-LKTR-03	978	N	-	-	-	-
		SLP24-LKTR-04	535	N	-	-	-	-
		SLP24-LKTR-05	730	N	-	-	-	-
		SLP24-LKTR-35	1597	N	-	-	-	-
		SLP24-LKTR-06	625	N	-	-	-	-
		SLP24-LKTR-07	605	N	-	-	-	-
		SLP24-LKTR-08	3490	N	-	-	-	-
		SLP24-LKTR-09	1605	N	-	-	-	-
		SLP24-LKTR-10	610	N	-	-	-	-
		SLP24-LKTR-11	258	N	-	-	-	-
		SLP24-LKTR-12	400	N	-	-	-	-
		SLP24-LKTR-13	564	N	-	-	-	-
		SLP24-LKTR-20	2750	N	-	-	-	-

Lake	Species	Fish ID	Fish Weight (g)	Infected (Y/N)	Parasites		External Parasites (Y/N)	Parasite Percent Fish Weight (%)
					IP	EP		
		SLP24-LKTR-22	340	N	-	-	-	-
		SLP24-LKTR-25	452	N	-	-	-	-
		SLP24-LKTR-26	778	N	-	-	-	-
		SLP24-LKTR-31	81	N	-	-	-	-
		SLP24-LKTR-14	-	N	-	-	-	-
		SLP24-LKTR-15	1120	N	-	-	-	-
		SLP24-LKTR-16	1130	N	-	-	-	-
		SLP24-LKTR-17	1230	N	-	-	-	-
		SLP24-LKTR-18	1000	N	-	-	-	-
		SLP24-LKTR-19	3930	N	-	-	-	-
		SLP24-LKTR-21-A	121	Y	-	L-stomach	-	-
		SLP24-LKTR-21-B	120	Y	-	L-stomach	-	-
		SLP24-LKTR-23	-	N	-	-	-	-
		SLP24-LKTR-24	-	N	-	-	-	-
	RDWH	SLP24-RDWH-01	69	N	-	-	-	-
		SLP24-RDWH-02	148	N	-	-	-	-
		SLP24-RDWH-03	147	N	-	-	-	-
		SLP24-RDWH-04	351	N	-	-	-	-
		SLP24-RDWH-05	375	N	-	-	-	-
		SLP24-RDWH-06	392	N	-	-	-	-
		SLP24-RDWH-07	74	N	-	-	-	-
		SLP24-RDWH-08	498	N	-	-	-	-
		SLP24-RDWH-09	141	N	-	-	-	-
		SLP24-RDWH-10	140	N	-	-	-	-
		SLP24-RDWH-11	175	N	-	-	-	-
		SLP24-RDWH-12	72	N	-	-	-	-
		SLP24-RDWH-13	584	N	-	-	-	-
		SLP24-RDWH-14	73	N	-	-	-	-
		SLP24-RDWH-15	84	N	-	-	-	-
		SLP24-RDWH-16	86	N	-	-	-	-
		SLP24-RDWH-17	142	N	-	-	-	-
		SLP24-RDWH-18	127	N	-	-	-	-
		SLP24-RDWH-19	365	N	-	-	-	-

Lake	Species	Fish ID	Fish Weight (g)	Infected (Y/N)	Parasites		External Parasites (Y/N)	Parasite Percent Fish Weight (%)
					IP	EP		
		SLP24-RDWH-20	492	N	-	-	-	-
		SLP24-RDWH-21	210	N	-	-	-	-
		SLP24-RDWH-22	82	N	-	-	-	-
		SLP24-RDWH-23	119	N	-	-	-	-
		SLP24-RDWH-24-B	236	N	-	-	-	-
		SLP24-RDWH-24-A	463	N	-	-	-	-
		SLP24-RDWH-25-B	92	N	-	-	-	-
		SLP24-RDWH-25-A	125	N	-	-	-	-
		SLP24-RDWH-26	67	N	-	-	-	-
		SLP24-RDWH-27	511	N	-	-	-	-
		SLP24-RDWH-30	120	N	-	-	-	-
		SLP24-RDWH-31	115	N	-	-	-	-
		SLP24-RDWH-32	100	N	-	-	-	-
		SLP24-RDWH-33	170	N	-	-	-	-
		SLP24-RDWH-62	149	N	-	-	-	-
		SLP24-RDWH-63	88	N	-	-	-	-
		SLP24-RDWH-64	141	N	-	-	-	-
		SLP24-RDWH-65	436	N	-	-	-	-
		SLP24-RDWH-66	99	N	-	-	-	-
		SLP24-RDWH-67	174	N	-	-	-	-
		SLP24-RDWH-28	-	N	-	-	-	-
		SLP24-RDWH-29	-	N	-	-	-	-
		SLP24-RDWH-70	-	N	-	-	-	-
		SLP24-RDWH-71	-	N	-	-	-	-
		SLP24-RDWH-32	-	N	-	-	-	-
		SLP24-RDWH-33	-	N	-	-	-	-
		SLP24-RDWH-34	-	N	-	-	-	-
		SLP24-RDWH-35	-	N	-	-	-	-
		SLP24-RDWH-36	-	N	-	-	-	-
		SLP24-RDWH-37	-	N	-	-	-	-
		SLP24-RDWH-38	-	N	-	-	-	-
		SLP24-RDWH-39	-	N	-	-	-	-
		SLP24-RDWH-40	-	N	-	-	-	-

Lake	Species	Fish ID	Fish Weight (g)	Infected (Y/N)	Parasites		External Parasites (Y/N)	Parasite Percent Fish Weight (%)
					IP	EP		
		SLP24-RDWH-41	-	N	-	-	-	-
		SLP24-RDWH-42	-	N	-	-	-	-
		SLP24-RDWH-43	-	N	-	-	-	-
		SLP24-RDWH-44	-	N	-	-	-	-
		SLP24-RDWH-45	-	N	-	-	-	-
		SLP24-RDWH-46	-	N	-	-	-	-
		SLP24-RDWH-47	-	N	-	-	-	-
		SLP24-RDWH-48	-	N	-	-	-	-
		SLP24-RDWH-49	-	N	-	-	-	-
		SLP24-RDWH-50	-	N	-	-	-	-
		SLP24-RDWH-51	-	N	-	-	-	-
		SLP24-RDWH-52	-	N	-	-	-	-
		SLP24-RDWH-53	-	N	-	-	-	-
		SLP24-RDWH-54	-	N	-	-	-	-
		SLP24-RDWH-55	-	N	-	-	-	-
		SLP24-RDWH-56	-	N	-	-	-	-
		SLP24-RDWH-57	-	N	-	-	-	-
		SLP24-RDWH-58	-	N	-	-	-	-
		SLP24-RDWH-59	-	N	-	-	-	-
		SLP24-RDWH-60	-	N	-	-	-	-
		SLP24-RDWH-61	-	N	-	-	-	-
Cujo	LKTR	CUJ24-LKTR-01	89	N	-	-	-	-
		CUJ24-LKTR-02	1110	N	-	-	-	-
		CUJ24-LKTR-03	1030	N	-	-	-	-
		CUJ24-LKTR-04	890	N	-	-	-	-
		CUJ24-LKTR-05	1010	N	-	-	-	-
		CUJ24-LKTR-06	5121	N	-	-	-	-
		CUJ24-LKTR-07	8060	N	-	-	-	-
		CUJ24-LKTR-08	1250	N	-	-	-	-
		CUJ24-LKTR-09	1110	N	-	-	-	-
		CUJ24-LKTR-10	939	N	-	-	-	-
		CUJ24-LKTR-11	1087	N	-	-	-	-
		CUJ24-LKTR-12	1120	N	-	-	-	-

Lake	Species	Fish ID	Fish Weight (g)	Infected (Y/N)	Parasites		External Parasites (Y/N)	Parasite Percent Fish Weight (%)
					IP	EP		
		CUJ24-LKTR-13	1310	N	-	-	-	-
		CUJ24-LKTR-14	1070	N	-	-	-	-
		CUJ24-LKTR-15	1150	N	-	-	-	-
		CUJ24-LKTR-16	10960	N	-	-	-	-
		CUJ24-LKTR-17	8650	N	-	-	-	-
		CUJ24-LKTR-18	1110	N	-	-	-	-
		CUJ24-LKTR-19	1040	N	-	-	-	-
		CUJ24-LKTR-20	1590	N	-	-	-	-
		CUJ24-LKTR-21	62	N	-	-	-	-
		CUJ24-LKTR-22	49	N	-	-	-	-
		CUJ24-LKTR-23	1062	Y	-	L-stomach	-	-
		CUJ24-LKTR-24	-	N	-	-	-	-
		CUJ24-LKTR-25	-	N	-	-	-	-
		CUJ24-LKTR-26	-	N	-	-	-	-
		CUJ24-LKTR-51	51	N	-	-	-	-
	RDWH	CUJ24-RDWH-01	137	N	-	-	-	-
		CUJ24-RDWH-02	134	N	-	-	-	-
		CUJ24-RDWH-03	55	N	-	-	-	-
		CUJ24-RDWH-04	694	N	-	-	-	-
		CUJ24-RDWH-05	520	N	-	-	-	-
		CUJ24-RDWH-06	144	N	-	-	-	-
		CUJ24-RDWH-07	129	N	-	-	-	-
		CUJ24-RDWH-08	780	N	-	-	-	-
		CUJ24-RDWH-09	678	N	-	-	-	-
		CUJ24-RDWH-10	644	N	-	-	-	-
		CUJ24-RDWH-11	623	N	-	-	-	-
		CUJ24-RDWH-12	103	N	-	-	-	-
		CUJ24-RDWH-13	633	N	-	-	-	-
		CUJ24-RDWH-14	59	N	-	-	-	-
		CUJ24-RDWH-15	644	N	-	-	-	-
		CUJ24-RDWH-16	692	N	-	-	-	-
		CUJ24-RDWH-17	667	N	-	-	-	-
		CUJ24-RDWH-18	532	Y	-	L-liver	-	-

Lake	Species	Fish ID	Fish Weight (g)	Infected (Y/N)	Parasites		External Parasites (Y/N)	Parasite Percent Fish Weight (%)
					IP	EP		
		CUJ24-RDWH-19	103	N	-	-	-	-
		CUJ24-RDWH-20	84	Y	-	L-spleen	-	-
		CUJ24-RDWH-21	639	Y	-	L-stomach	-	-
		CUJ24-RDWH-22	683	N	-	-	-	-
		CUJ24-RDWH-23	667	N	-	L-stomach	-	-
		CUJ24-RDWH-24	624	N	-	-	-	-

Notes:
Parasites: IP = internal parasites, light (L) ≤ 5 or heavy (H) > 5 infestation, EP = external parasites; light (L) ≤ 5 or heavy (H) > 5
Dash (-) indicates not applicable

Table 3.9-5 Summary of Lake Trout and Round Whitefish Parasite Data for AEMP Lakes, 2024

Lake	n	Infected		Number of Parasites			Number with Cysts	Percent with Cysts
		Number	Percent	Mean	Min	Max		
Nanuq	108	0	0.0	0	0	0	0	0.0
Counts	53	1	0.0	0	0	1	1	0.0
Vulture	27	0	0.0	0	0	0	0	0.0
Northeast	2	0	0.0	0	0	0	0	0.0
Kodiak	46	0	0.0	2	0	4	0	0.0
Leslie	55	0	0.0	0	0	0	0	0.0
Moose	58	0	0.0	0	0	0	0	0.0
Nema	60	0	0.0	0	0	0	0	0.0
Slipper	102	2	2.0	1	0	2	0	0.0
Cujo	51	4	7.8	2	0	4	0	0.0
HWL2	4	0	0.0	0	0	0	0	0.0
Total	1680	144	8.6	144	-	144	1	0.0
Mean	51	0.6	1.2	1	-	1	0.1	0.0

Notes:
n = sample size; Min = minimum value; Max = maximum value
If a discrepancy occurred between two aging results, the mean value was used.

Table 3.9-6 Lake Trout and Round Whitefish Sex, Maturity, and Reproductive Status for AEMP Lakes, 2024

Lake	Species	n	Sex			Sex Ratio (M:F)	Reproductive Status						% Maturing or Mature
			F	M	U		Unknown	Undeveloped	Maturing	Ripe	Running	Spent	
Nanuq	LKTR	28	2	0	26	0:2	27	0	0	0	1	0	3.6
	RDWH	78	13	6	59	6:13	58	15	3	0	1	1	6.4
Counts	LKTR	23	1	2	20	2:1	17	3	3	0	0	0	13.0
	RDWH	30	13	16	1	16:13	1	0	28	0	1	0	96.7
Vulture	LKTR	23	0	1	22	1:0	21	1	1	0	0	0	4.3
Kodiak	LKTR	22	0	0	22	-	22	0	0	0	0	0	0.0
	RDWH	24	8	4	12	4:8	12	3	6	3	0	0	37.5
Leslie	LKTR	33	0	0	33	-	33	0	0	0	0	0	0.0
	RDWH	22	10	12	0	12:10	3	0	19	0	0	0	86.4
Moose	LKTR	20	0	0	20	-	20	0	0	0	0	0	0.0
	RDWH	28	9	6	13	6:9	3	11	9	5	0	0	50.0
Nema	LKTR	21	0	0	21	-	21	0	0	0	0	0	0.0
	RDWH	38	13	9	16	9:13	19	4	15	0	0	0	39.5
Slipper	LKTR	29	1	2	26	2:1	25	3	1	0	0	0	3.4
	RDWH	73	13	7	53	7:13	49	15	9	0	0	0	12.3
Cujo	LKTR	27	1	1	25	1:1	26	0	0	1	0	0	3.7
	RDWH	24	8	10	6	10:8	0	9	15	0	0	0	62.5

Notes:
n = sample size; M = male; F = female; U = unknown
Dash (-) indicates not applicable.
Maturing and mature fish are considered those with reproductive status of maturing, ripe, running, or spent.

Table 3.9-7 Round Whitefish Ovary Weight and Egg Counts for AEMP Lakes, 2024

Lake	Fish ID	Total Weight of Ovaries (g)	Egg Diameter (sieve size)	Subsample (%)	Egg Count	Total Number of Eggs per Sieve Size	Total Number of Eggs (entire sample)
Nanuq	LB_Ovaries02_NAN24-RDWH-01	0.112	2mm	-	-	-	0
			1mm	-	-	-	
			500µm	-	-	-	
			63µm	-	-	-	
	LB_Ovaries02_NAN24-RDWH-09	0.082	2mm	-	-	-	0
			1mm	-	-	-	
			500µm	-	-	-	
			63µm	-	-	-	
	LB_Ovaries02_NAN24-RDWH-11	0.069	2mm	-	-	-	0
			1mm	-	-	-	
			500µm	-	-	-	
			63µm	-	-	-	
	LB_Ovaries02_NAN24-RDWH-12	0.074	2mm	-	-	-	0
			1mm	-	-	-	
			500µm	-	-	-	
			63µm	-	-	-	
	LB_Ovaries02_NAN24-RDWH-15	0.063	2mm	-	-	-	0
			1mm	-	-	-	
			500µm	-	-	-	
			63µm	-	-	-	
	LB_Ovaries02_NAN24-RDWH-18	21.597	2mm	100	131	131	4390
			1mm	10	426	4259	
			500µm	100	0	0	
			63µm	100	0	0	
	LB_Ovaries02_NAN24-RDWH-19	23.239	2mm	-	0	0	5115
			1mm	10	512	5115	
			500µm	100	0	0	
			63µm	100	0	0	
	LB_Ovaries02_NAN24-RDWH-23	0.080	2mm	-	-	-	0
			1mm	-	-	-	
			500µm	-	-	-	
			63µm	-	-	-	

Lake	Fish ID	Total Weight of Ovaries (g)	Egg Diameter (sieve size)	Subsample (%)	Egg Count	Total Number of Eggs per Sieve Size	Total Number of Eggs (entire sample)
Counts	LB_Ovaries02_CON24-RDWH-04	17.309	2mm	100	57	57	4978
			1mm	10	491	4914	
			500µm	100	7	7	
			63µm	100	0	0	
	LB_Ovaries02_CON24-RDWH-08	21.920	2mm	100	3	3	5794
			1mm	10	578	5783	
			500µm	100	8	8	
			63µm	100	0	0	
	LB_Ovaries02_CON24-RDWH-10	10.476	2mm	-	5	5	3169
			1mm	10	316	3163	
			500µm	-	1	1	
			63µm	-	0	0	
	LB_Ovaries02_CON24-RDWH-11	24.204	2mm	100	99	99	6436
			1mm	10	633	6332	
			500µm	100	5	5	
			63µm	100	0	0	
	LB_Ovaries02_CON24-RDWH-12	26.963	2mm	10	74	735	6531
			1mm	10	579	5796	
			500µm	100	0	0	
			63µm	100	0	0	
	LB_Ovaries02_CON24-RDWH-13	15.433	2mm	-	-	0	5173
			1mm	10	516	5158	
			500µm	100	15	15	
			63µm	100	0	0	
	LB_Ovaries02_CON24-RDWH-14	22.491	2mm	100	16	16	5452
			1mm	10	543	5436	
			500µm	100	0	0	
			63µm	100	0	0	
	LB_Ovaries02_CON24-RDWH-18	13.613	2mm	-	-	0	4130
			1mm	10	413	4130	
			500µm	100	0	0	
			63µm	100	0	0	

Lake	Fish ID	Total Weight of Ovaries (g)	Egg Diameter (sieve size)	Subsample (%)	Egg Count	Total Number of Eggs per Sieve Size	Total Number of Eggs (entire sample)
	LB_Ovaries02_CON24-RDWH-21	17.031	2mm	-	-	-	5479
			1mm	10	540	5404	
			500µm	100	75	75	
			63µm	100	0	0	
	LB_Ovaries02_CON24-RDWH-23	14.392	2mm	-	-	-	6506
			1mm	10	649	6506	
			500µm	100	0	0	
			63µm	100	0	0	
	LB_Ovaries02_CON24-RDWH-25	22.462	2mm	100	63	63	6012
			1mm	10	595	5949	
			500µm	100	0	0	
			63µm	100	0	0	
	LB_Ovaries02_CON24-RDWH-27	17.318	2mm	100	88	88	5514
			1mm	10	543	5426	
			500µm	100	0	0	
			63µm	100	0	0	
	LB_Ovaries02_CON24-RDWH-29	24.069	2mm	100	14	14	6499
			1mm	10	648	6485	
			500µm	100	0	0	
			63µm	100	0	0	
Kodiak	LB_Ovaries02_KOD24-RDWH-02	16.778	2mm	10	29	286	3670
			1mm	10	337	3384	
			500µm	100	0	0	
			63µm	100	0	0	
	LB_Ovaries02_KOD24-RDWH-05	22.297	2mm	10	24	239	5414
			1mm	10	518	5174	
			500µm	100	1	1	
			63µm	100	0	0	
	LB_Ovaries02_KOD24-RDWH-11	0.103	2mm	-	-	-	0
			1mm	-	-	-	
			500µm	-	-	-	
			63µm	-	-	-	

Lake	Fish ID	Total Weight of Ovaries (g)	Egg Diameter (sieve size)	Subsample (%)	Egg Count	Total Number of Eggs per Sieve Size	Total Number of Eggs (entire sample)
	LB_Ovaries02_KOD24-RDWH-13	0.240	2mm	-	-	-	0
			1mm	-	-	-	
			500µm	-	-	-	
			63µm	-	-	-	
	LB_Ovaries02_KOD24-RDWH-14	22.914	2mm	10	126	1268	4266
			1mm	10	299	2998	
			500µm	100	0	0	
			63µm	100	0	0	
	LB_Ovaries02_KOD24-RDWH-15	27.580	2mm	10	38	382	5912
			1mm	10	552	5530	
			500µm	100	0	0	
			63µm	100	0	0	
	LB_Ovaries02_KOD24-RDWH-20	0.109	2mm	-	-	-	0
			1mm	-	-	-	
			500µm	-	-	-	
			63µm	-	-	-	
	LB_Ovaries02_KOD24-RDWH-23	0.141	2mm	-	-	-	0
			1mm	-	-	-	
			500µm	-	-	-	
			63µm	-	-	-	
Leslie	LB_Ovaries02_LES24-RDWH-01	31.286	2mm	10	135	1353	6015
			1mm	10	466	4661	
			500µm	100	1	1	
			63µm	100	0	0	
	LB_Ovaries02_LES24-RDWH-02	15.104	2mm	10	31	313	3203
			1mm	10	289	2890	
			500µm	100	0	0	
			63µm	100	0	0	
	LB_Ovaries02_LES24-RDWH-05	24.301	2mm	10	53	529	4976
			1mm	10	445	4447	
			500µm	100	0	0	
			63µm	100	0	0	

Lake	Fish ID	Total Weight of Ovaries (g)	Egg Diameter (sieve size)	Subsample (%)	Egg Count	Total Number of Eggs per Sieve Size	Total Number of Eggs (entire sample)
	LB_Ovaries02_LES24-RDWH-07	39.408	2mm	10	484	4842	6141
			1mm	10	130	1299	
			500µm	100	0	0	
			63µm	100	0	0	
	LB_Ovaries02_LES24-RDWH-08	36.274	2mm	10	117	1175	7837
			1mm	10	666	6662	
			500µm	100	0	-	
			63µm	100	0	-	
	LB_Ovaries02_LES24-RDWH-09	30.753	2mm	10	139	1388	4884
			1mm	10	349	3496	
			500µm	100	0	-	
			63µm	100	0	-	
	LB_Ovaries02_LES24-RDWH-14	15.494	2mm	10	22	228	2626
			1mm	10	239	2395	
			500µm	100	3	3	
			63µm	100	0	0	
	LB_Ovaries02_LES24-RDWH-17	22.780	2mm	10	41	412	5580
			1mm	10	517	5167	
			500µm	100	1	1	
			63µm	100	0	0	
	LB_Ovaries02_LES24-RDWH-20	18.690	2mm	10	11	108	3667
			1mm	10	356	3559	
			500µm	100	0	0	
			63µm	100	0	0	
Moose	LB_Ovaries02_MOO24-RDWH-01	0.262	2mm	-	-	-	0
			1mm	-	-	-	
			500µm	-	-	-	
			63µm	-	-	-	
	LB_Ovaries02_MOO24-RDWH-04	0.230	2mm	-	-	-	0
			1mm	-	-	-	
			500µm	-	-	-	
			63µm	-	-	-	

Lake	Fish ID	Total Weight of Ovaries (g)	Egg Diameter (sieve size)	Subsample (%)	Egg Count	Total Number of Eggs per Sieve Size	Total Number of Eggs (entire sample)
	LB_Ovaries02_MOO24-RDWH-13	11.045	2mm	-	-	0	2829
			1mm	10	282	2829	
			500µm	100	0	0	
			63µm	100	0	0	
	LB_Ovaries02_MOO24-RDWH-14	16.638	2mm	10	104	1038	3400
			1mm	10	236	2362	
			500µm	100	0	0	
			63µm	100	0	0	
	LB_Ovaries02_MOO24-RDWH-15	13.197	2mm	-	-	0	2850
			1mm	10	285	2850	
			500µm	100	0	0	
			63µm	100	0	0	
	LB_Ovaries02_MOO24-RDWH-16	10.963	2mm	-	-	-	2734
			1mm	10	273	2734	
			500µm	100	0	-	
			63µm	100	0	-	
	LB_Ovaries02_MOO24-RDWH-17	21.089	2mm	-	-	0	4121
			1mm	10	412	4121	
			500µm	100	0	0	
			63µm	100	0	0	
	LB_Ovaries02_MOO24-RDWH-18	15.367	2mm	10	49	495	3138
			1mm	10	264	2643	
			500µm	100	0	0	
			63µm	100	0	0	
	LB_Ovaries02_MOO24-RDWH-20	27.957	2mm	10	279	2786	4760
			1mm	10	197	1974	
			500µm	100	0	0	
			63µm	100	0	0	
Nema	LB_Ovaries02_NEM24-RDWH-02	18.555	2mm	10	48	485	3511
			1mm	10	303	3026	
			500µm	100	0	0	
			63µm	100	0	0	

Lake	Fish ID	Total Weight of Ovaries (g)	Egg Diameter (sieve size)	Subsample (%)	Egg Count	Total Number of Eggs per Sieve Size	Total Number of Eggs (entire sample)
	LB_Ovaries02_NEM24-RDWH-04	10.464	2mm	-	-	0	4002
			1mm	10	398	4002	
			500µm	100	0	0	
			63µm	100	0	0	
	LB_Ovaries02_NEM24-RDWH-05	24.814	2mm	10	283	2833	4251
			1mm	10	142	1418	
			500µm	-	-		
			63µm	100	0	0	
	LB_Ovaries02_NEM24-RDWH-06	22.925	2mm	10	276	2763	3756
			1mm	10	99	993	
			500µm	100	0	0	
			63µm	100	0	0	
	LB_Ovaries02_NEM24-RDWH-09	47.740	2mm	10	507	5072	7336
			1mm	10	226	2264	
			500µm	100	0	0	
			63µm	100	0	0	
	LB_Ovaries02_NEM24-RDWH-10	0.210	2mm	-	-	-	0
			1mm	-	-	-	
			500µm	-	-	-	
			63µm	-	-	-	
	LB_Ovaries02_NEM24-RDWH-12	31.103	2mm	10	265	2649	5668
			1mm	10	302	3019	
			500µm	100	0	0	
			63µm	100	0	0	
	LB_Ovaries02_NEM24-RDWH-14	38.845	2mm	10	500	5002	5370
			1mm	10	37	368	
			500µm	100	0	0	
			63µm	100	0	0	
	LB_Ovaries02_NEM24-RDWH-15	32.833	2mm	10	236	2359	5667
			1mm	10	331	3308	
			500µm	100	0	0	
			63µm	100	0	0	

Lake	Fish ID	Total Weight of Ovaries (g)	Egg Diameter (sieve size)	Subsample (%)	Egg Count	Total Number of Eggs per Sieve Size	Total Number of Eggs (entire sample)
	LB_Ovaries02_NEM24-RDWH-17	21.122	2mm	10	78	781.0	4018
			1mm	10	323	3237.0	
			500µm	100	0	0	
			63µm	100	0	0	
	LB_Ovaries02_NEM24-RDWH-18	0.450	2mm	-	-	-	0
			1mm	-	-	-	
			500µm	-	-	-	
			63µm	-	-	-	
Slipper	LB_Ovaries02_SLP24-RDWH-04	1.139	2mm	-	-	-	0
			1mm	-	-	-	
			500µm	-	-	-	
			63µm	-	-	-	
	LB_Ovaries02_SLP24-RDWH-06	5.580	2mm	-	-	0	2625
			1mm	10	263	2625	
			500µm	100	0	0	
			63µm	10	0	0	
	LB_Ovaries02_SLP24-RDWH-08	9.772	2mm	-	-	0	3288
			1mm	10	306	3065	
			500µm	10	19	223	
			63µm	100	0	0	
	LB_Ovaries02_SLP24-RDWH-13	12.048	2mm	-	0	0	4026
			1mm	10	398	3986	
			500µm	100	40	40	
			63µm	100	0	0	
	LB_Ovaries03-SLP24-RDWH-19	0.808	2mm	-	-	0	461
			1mm	-	-	0	
			500µm	100	461	461	
			63µm	100	0	0	
	LB_Ovaries02_SLP24-RDWH-20	10.899	2mm	-	-	0	3392
			1mm	10	336	3358	
			500µm	100	34	34	
			63µm	100	0	0	

Lake	Fish ID	Total Weight of Ovaries (g)	Egg Diameter (sieve size)	Subsample (%)	Egg Count	Total Number of Eggs per Sieve Size	Total Number of Eggs (entire sample)
Cujo	LB_Ovaries02_CUJ24-RDWH-04	25.681	2mm	10	104	1036	3396
			1mm	10	236	2360	
			500µm	100	0	0	
			63µm	100	0	0	
	LB_Ovaries02_CUJ24-RDWH-05	18.281	2mm	10	24	249	3113
			1mm	10	286	2860	
			500µm	100	4	4	
			63µm	100	0	0	
	LB_Ovaries02_CUJ24-RDWH-08	35.976	2mm	10	363	3578	6032
			1mm	10	246	2454	
			500µm	100	0	0	
			63µm	100	0	0	
	LB_Ovaries02_CUJ24-RDWH-10	31.236	2mm	10	389	3895	4883
			1mm	10	97	988	
			500µm	100	0	0	
			63µm	100	0	0	
	LB_Ovaries02_CUJ24-RDWH-13	21.441	2mm	10	122	1204	2653
			1mm	10	145	1449	
			500µm	100	0	0	
			63µm	100	0	0	
	LB_Ovaries02_CUJ24-RDWH-21	29.912	2mm	10	144	1448	4841
			1mm	10	339	3393	
			500µm	100	0	0	
			63µm	100	0	0	
	LB_Ovaries02_CUJ24-LKTR-23	31.497	4mm	10	32	317	319
			2mm	100	2	2	
			1mm	100	0	0	
			500µm	100	0	0	
			63µm	100	0	0	

Note:
Dash (-) indicates not applicable or eggs not present due to immature/developing ovary.

Table 3.9-8 Summary of Round Whitefish GSI and LSI Data for AEMP Lakes, 2024

Lake	Parasite Infection (Y/N)	Sex	Gonadosomatic Index						Liver Somatic Index					
			n	Mean	SD	SE	Min	Max	n	Mean	SD	SE	Min	Max
Nanuq	Y	F	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-
		U	-	-	-	-	-	-	-	-	-	-	-	-
	N	F	13	1.61	2.58	0.72	0.18	6.14	13	0.48	0.18	0.05	0.25	0.82
		M	6	1.37	2.17	0.89	0.04	3.87	6	0.51	0.11	0.05	0.39	0.65
		U	1	-	-	-	-	0.05	7	0.54	0.23	0.09	0.32	0.98
Counts	Y	F	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-
		U	-	-	-	-	-	-	-	-	-	-	-	-
	N	F	13	6.01	0.91	0.25	4.72	7.57	13	0.99	0.28	0.08	0.42	1.37
		M	16	4.42	0.82	0.20	2.78	5.89	16	0.57	0.17	0.04	0.30	0.91
		U	-	-	-	-	-	-	-	-	-	-	-	-
Kodiak	Y	F	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-
		U	-	-	-	-	-	-	-	-	-	-	-	-
	N	F	8	5.59	0.43	0.15	5.17	6.08	8	0.79	0.41	0.14	0.15	1.15
		M	3	1.10	1.78	1.03	0.05	3.16	3	0.59	0.15	0.09	0.43	0.73
		U	1	-	-	-	-	0.16	11	0.59	0.29	0.09	0.27	1.26
Moose	Y	F	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-
		U	-	-	-	-	-	-	-	-	-	-	-	-
	N	F	9	3.68	2.16	0.72	0.20	6.18	9	0.70	0.21	0.07	0.50	1.11
		M	6	1.40	1.06	0.43	0.06	2.49	6	0.49	0.14	0.06	0.39	0.77
		U	7	0.12	0.09	0.03	0.05	0.27	7	0.51	0.16	0.06	0.27	0.76
Slipper	Y	F	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-
		U	-	-	-	-	-	-	-	-	-	-	-	-
	N	F	13	2.3	1.3	0.37	0.6	3.7	13	0.6	0.5	0.14	0.1	2.0
		M	7	2.0	1.3	0.48	0.5	2.7	7	0.5	0.5	0.18	0.0	1.4
		U	-	-	-	-	-	-	9	0.5	0.2	0.06	0.3	0.8

Lake	Parasite Infection (Y/N)	Sex	Gonadosomatic Index						Liver Somatic Index					
			n	Mean	SD	SE	Min	Max	n	Mean	SD	SE	Min	Max
Leslie	Y	F	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-
		U	-	-	-	-	-	-	-	-	-	-	-	-
	N	F	10	5.13	1.18	0.37	3.46	6.91	10	0.87	0.15	0.05	0.56	1.11
		M	12	3.08	0.80	0.23	1.70	4.63	12	0.61	0.27	0.08	0.24	1.30
		U	-	-	-	-	-	-	-	-	-	-	-	-
Nema	Y	F	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-
		U	-	-	-	-	-	-	-	-	-	-	-	-
	N	F	13	4.42	3.27	0.91	0.13	8.55	13	0.99	0.31	0.09	0.47	1.44
		M	9	2.41	1.42	0.47	0.04	3.78	9	0.53	0.21	0.07	0.02	0.77
		U	-	-	-	-	-	-	-	-	-	-	-	-
Cujo	Y	F	2	3.14	4.14	2.93	0.22	6.07	2	1.12	0.58	0.41	0.71	1.53
		M	1	-	-	-	-	3.36	1	-	-	-	-	0.86
		U	-	-	-	-	-	-	-	-	-	-	-	-
	N	F	6	5.61	2.82	1.15	0.12	7.70	5	1.27	0.28	0.13	0.87	1.56
		M	9	4.07	1.46	0.49	0.29	4.98	9	0.71	0.18	0.06	0.36	0.96
		U	4	0.08	0.06	0.03	0.04	0.17	5	0.60	0.29	0.13	0.14	0.88

Notes:
Sex: M = male; F = female; U = unknown
max = maximum value; min = minimum value; n = sample size; N = no; SD = standard deviation; Y = yes
Dash (-) indicates not applicable.

Table 3.9-9 Summary of Lake Trout and Round Whitefish Age Data for AEMP Lakes, 2024

Lake	Species	Age (years)					
		n	Mean	SD	SE	Min	Max
Nanuq	LKTR	22	8.2	3.5	0.7	3.0	15.0
	RDWH	20	4.5	1.8	0.4	3.0	10.0
Counts	LKTR	23	7.5	3.3	0.7	2.0	14.5
	RDWH	20	9.9	2.6	0.6	6.0	12.0
Vulture	LKTR	20	8.3	1.9	0.4	4.0	12.0
	RDWH	-	-	-	-	-	-

Lake	Species	Age (years)					
		n	Mean	SD	SE	Min	Max
Kodiak	LKTR	19	10.4	2.9	0.7	6.0	15.0
	RDWH	20	8.2	7.0	1.6	3.0	25.5
Leslie	LKTR	19	10.6	2.1	0.5	7.0	14.0
	RDWH	20	9.9	3.2	0.7	6.0	14.5
Moose	LKTR	20	8.2	2.9	0.7	3.0	14.0
	RDWH	20	6.9	3.9	0.9	3.0	15.0
Nema	LKTR	21	8.8	3.4	0.7	2.0	15.0
	RDWH	20	11.8	4.4	1.0	3.0	22.0
Slipper	LKTR	22	8.1	3.7	0.8	3.0	15.0
	RDWH	20	5.4	2.6	0.6	3.0	11.0
Cujo	LKTR	23	10.9	6.7	1.4	2.0	32.0
	RDWH	20	9.7	6.1	1.4	3.0	20.0

Notes:
Species: LKTR = Lake Trout, RDWH = Round Whitefish
max = maximum value; min = minimum value; n = sample size; SD = standard deviation; SE = standard error
Dash (-) indicates not applicable, as no Round Whitefish are present in Vulture Lake

Table 3.9-10 Lake Trout Stomach Content by Taxonomic Abundance for AEMP Lakes, 2024

Lake	Major Group	Family	Taxon	Counts	Cujo			Vulture
Stomach #				1	1	2	3	1
Fish ID				CON24-LKTR-25	CUJ24-LKTR-21	CUJ24-LKTR-22	CUJ24-LKTR-23	VUL24-LKTR-21
Laboratory Sample ID				fs24-226-011	fs24-226-149	fs24-226-150	fs24-226-151	fs24-226-202
Sampling Date				21-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	8-Sep-24
Source								
Benthic	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	2	-	-	-
			Chironomidae indet.	6	-	-	-	-
			Chironomus sp.	91	-	-	-	-
			Dicrotendipes sp.	-	1	2	-	-
			Endochironomus sp.	-	-	1	124	-
			Monodiamesa sp.	-	1	-	-	-
			Procladius sp.	1	-	32	-	-
	Hemiptera	Corixidae	Corixini indet.	-	-	2	2	-
		-	Hemiptera indet.	-	1	-	-	-
	Mollusca	Valvatidae	*Valvata* sp.	-	-	-	-	1
	Other Diptera	-	Diptera indet.	2	-	1	-	-
	Trichoptera	-	Trichoptera indet.	-	-	-	-	11
Fish	-	Cottidae	Cottidae indet.	-	-	-	-	1
	-	Salmonidae	Salmonidae indet.	-	-	-	-	1
	-	-	Actinopterygii indet.	-	1	-	-	-

Lake	Major Group	Family	Taxon	Counts	Cujo			Vulture
Stomach #				1	1	2	3	1
Fish ID				CON24-LKTR-25	CUJ24-LKTR-21	CUJ24-LKTR-22	CUJ24-LKTR-23	VUL24-LKTR-21
Laboratory Sample ID				fs24-226-011	fs24-226-149	fs24-226-150	fs24-226-151	fs24-226-202
Sampling Date				21-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	8-Sep-24
Source								
Non-food	Non-Food (Cases, Plant, Pebble, etc.)	-	Plant material	-	-	-	-	-
Parasite	Other Organisms	-	Acanthocephala indet	6	-	-	-	1
Planktonic	Crustacea	Temoridae	Heterocope septentrionalis	-	2	-	12	-
		-	Calanoida indet.	76	-	-	30	-
		-	Cladocera indet.	3	-	1	-	-
		-	Copepoda indet.	-	-	3	-	-
Terrestrial	Coleoptera	-	Coleoptera indet.	1	-	-	-	-
Undetermined	Digested Material	-	Unidentified tissue	-	-	-	-	-

Notes:

Taxonomic analysis completed by Biologica Environmental Services. Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Indet. = indeterminate; sp. = species

Table 3.9-11 Lake Trout Stomach Content by Weight for AEMP Lakes, 2024

Lake	Counts	Cujo			Vulture
Stomach #	**1**	**1**	**2**	**3**	**1**
Fish ID	**CON24-LKTR-25**	**CUJ24-LKTR-21**	**CUJ24-LKTR-22**	**CUJ24-LKTR-23**	**VUL24-LKTR-21**
Laboratory Sample ID	**fs24-226-011**	**fs24-226-149**	**fs24-226-150**	**fs24-226-151**	**fs24-226-202**
Sampling Date	**21-Aug-24**	**24-Aug-24**	**24-Aug-24**	**24-Aug-24**	**8-Sep-24**
Major Group					
Coleoptera	0.27	-	-	-	-
Crustacea	51.20	0.48	1.12	7.97	-
Digested Material	39.44	-	16.68	-	-
Diptera-Chironomidae	3.91	2.17	29.04	74.24	-
Fish	-	55.75	-	-	470.46
Hemiptera	-	4.45	19.27	6.56	-
Mollusca	-	-	-	-	1.12
Non-Food (Cases, Plant, Pebble, etc.)	-	-	-	-	-
Other Diptera	0.13	-	1.17	-	-
Other Organisms	-	-	-	-	-
Trichoptera	-	-	-	-	52.29
Total (mg)	**94.95**	**62.86**	**67.28**	**88.77**	**523.86**
% Stomach Full	75	50	75	25	75
% Stomach Content Digested	75	75	25	50	75

Notes:
Units in milligrams (mg).

Table 3.9-12: Round Whitefish Stomach Content by Taxonomic Abundance for AEMP Lakes, 2024

Lake				Nanuq										
Stomach #				1	2	3	4	5	6	7	8	9	10	11
Fish ID				NAN24-RDWH-01	NAN24-RDWH-03	NAN24-RDWH-04	NAN24-RDWH-05	NAN24-RDWH-06	NAN24-RDWH-07	NAN24-RDWH-08	NAN24-RDWH-09	NAN24-RDWH-10	NAN24-RDWH-11	NAN24-RDWH-12
Laboratory Sample ID				fs24-226-074	fs24-226-075	fs24-226-076	fs24-226-077	fs24-226-078	fs24-226-079	fs24-226-080	fs24-226-081	fs24-226-082	fs24-226-083	fs24-226-084
Sampling Date				30-Aug-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24
Source	MajorGroup	Family	Taxon											
Benthic	Arachnida	Lebertiidae	*Lebertia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Lebertiidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Limnesiidae	*Limnesia* sp.	-	-	-	-	-	-	-	-	-	-	-
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Trombidiformes indet.	-	-	-	-	-	-	-	-	-	-	-
	Coleoptera	Dytiscidae	Dytiscidae indet.	1	-	-	-	-	-	-	-	-	-	-
			Hydroporini indet.	-	-	-	-	-	-	-	-	-	-	-
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Chironomidae indet.	-	-	-	1	-	-	-	-	-	-	-
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-
			Chironomus sp.	-	-	-	-	-	-	-	-	-	1	-
			Corynocera sp.	-	131	45	-	-	77	120	61	38	-	3
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-
			Cricotopus/Orthocladius sp. complex	1	-	-	-	-	-	-	-	-	-	2
			Cryptochironomus sp.	-	-	-	-	-	-	-	-	1	-	-
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-
			Dicrotendipes sp.	2	15	106	18	2	83	6	12	3	-	4
			Endochironomu s sp.	-	-	-	-	-	-	-	-	-	-	-
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	1
			Hydrobaenus sp.	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra/Tanytarsus sp. complex	-	3	-	-	-	-	-	-	-	-	2
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	-	-	-
			Microtendipes sp.	-	7	3	-	-	-	-	-	1	-	-
			Monodiamesa sp.	-	1	1	-	-	-	-	-	-	-	-
			Natarsia sp.	-	-	-	-	-	-	-	-	-	-	-
			Orthocladiinae indet.	-	-	-	-	-	-	-	-	-	-	-
			Pagastiella sp.	-	-	-	-	-	-	-	-	-	-	-
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-
			Paracladius sp.	-	-	-	-	-	-	-	-	-	-	-
			Paratanytarsus sp.	16	7	9	-	4	35	5	16	9	1	1
			Pentaneurini indet.	1	-	-	-	-	5	-	-	-	-	1
			Phaenopsectra sp.	-	1	-	-	-	-	-	-	-	-	-
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-
			Potthastia longimanus group	-	10	9	-	-	4	9	3	1	-	-
			Procladius sp.	-	11	5	-	-	5	3	1	2	-	1
			Protanypus sp.	-	-	-	-	-	-	-	-	-	-	-
			Psectrocladius sp.	20	3	3	-	1	1	2	2	1	22	7
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-

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Indet. = indeterminate; sp. = species

Lake				Nanuq										
Stomach #				1	2	3	4	5	6	7	8	9	10	11
Fish ID				NAN24-RDWH-01	NAN24-RDWH-03	NAN24-RDWH-04	NAN24-RDWH-05	NAN24-RDWH-06	NAN24-RDWH-07	NAN24-RDWH-08	NAN24-RDWH-09	NAN24-RDWH-10	NAN24-RDWH-11	NAN24-RDWH-12
Laboratory Sample ID				fs24-226-074	fs24-226-075	fs24-226-076	fs24-226-077	fs24-226-078	fs24-226-079	fs24-226-080	fs24-226-081	fs24-226-082	fs24-226-083	fs24-226-084
Sampling Date				30-Aug-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24
Source	MajorGroup	Family	Taxon											
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Stempellinella/Zavrelia* sp. complex	-	-	-	-	-	-	-	-	-	-	-
			Stictochironomus sp.	-	-	-	-	-	-	-	-	-	-	-
			Tanypodinae indet.	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsini indet.	-	-	-	-	-	-	-	-	-	-	-
			Zalutschia sp.	1	-	-	-	-	-	-	-	-	-	1
	Hemiptera	Corixidae	Corixini indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-
	Mollusca	Planorbidae	Planorbidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Sphaeriidae	*Pisidium* sp.	-	-	-	-	-	-	-	-	-	-	-
			Sphaeriidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Sphaerium sp.	-	-	-	-	-	-	-	-	-	-	-
		Valvatidae	*Valvata sincera*	-	-	-	-	-	-	-	-	-	-	-
			Valvata sp.	-	-	-	-	-	-	-	-	-	-	-
			Valvatidae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Bivalvia indet.	-	-	1	-	-	-	-	-	-	-	2
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Mollusca indet.	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-
	Trichoptera	Apataniidae	*Apatania* sp.	-	-	-	-	2	1	7	9	-	5	2
			Apataniidae indet.	8	-	-	-	-	-	-	-	-	-	-
		Hydroptilidae	Agraylea sp.	-	-	-	-	-	-	-	-	-	-	-
			Hydroptilidae indet.	-	-	-	-	-	-	-	-	-	8	-
			Oxyethira sp.	-	-	-	-	-	-	-	-	-	-	-
		Leptoceridae	*Ceraclea* sp.	-	-	-	-	-	-	-	-	-	-	-
			Leptoceridae indet.	1	-	-	-	-	-	-	-	-	-	-
			Mystacides sp.	-	-	-	-	-	-	-	1	-	17	-
			Nectopsyche sp.	-	-	-	-	-	-	-	-	-	-	-
			Oecetis sp.	-	-	-	-	-	-	-	-	-	-	-
		Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Phryganeidae	*Agrypnia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Phryganea sp.	-	-	-	-	-	-	-	-	-	-	-
			Phryganeidae indet.	-	-	-	-	-	-	-	-	-	1	-
		-	Trichoptera indet.	-	1	-	-	-	-	-	-	-	7	-
Fish	-	-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Teleostei indet.	-	-	-	-	-	-	-	-	-	-	-

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Indet. = indeterminate; sp. = species

Lake				Nanuq										
Stomach #				1	2	3	4	5	6	7	8	9	10	11
Fish ID				NAN24-RDWH-01	NAN24-RDWH-03	NAN24-RDWH-04	NAN24-RDWH-05	NAN24-RDWH-06	NAN24-RDWH-07	NAN24-RDWH-08	NAN24-RDWH-09	NAN24-RDWH-10	NAN24-RDWH-11	NAN24-RDWH-12
Laboratory Sample ID				fs24-226-074	fs24-226-075	fs24-226-076	fs24-226-077	fs24-226-078	fs24-226-079	fs24-226-080	fs24-226-081	fs24-226-082	fs24-226-083	fs24-226-084
Sampling Date				30-Aug-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24
Source	MajorGroup	Family	Taxon											
Empty Stomach	-	-	Stomach empty	-	-	-	-	-	-	-	-	-	-	-
Non-food	Non-Food (Cases, Plant, Pebble, etc.)	-	Chironomid cases	-	-	-	-	-	-	-	-	-	-	-
		-	Fish scale	-	-	-	-	-	-	-	-	-	-	-
		-	Insecta cases	-	-	-	-	-	-	-	-	-	-	-
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-
		-	Sand grains	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-
		-	Wood fragments	-	-	-	-	-	-	-	-	-	-	-
Parasite	Other Organisms	-	Acanthocephala indet	-	-	-	-	-	-	-	-	-	-	-
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Chydoridae	Chydoridae indet.	-	-	-	-	-	-	-	-	-	-	-
			Eurycercus sp.	-	-	-	-	-	-	-	-	-	-	-
		Daphniidae	*Daphnia* sp.	-	-	-	487	232	99	348	343	-	-	-
			Daphniidae indet.	-	-	-	-	-	-	-	-	220	-	-
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-
		Temoridae	Heterocope septentrionalis	-	3	-	-	-	-	-	-	-	-	-
			Temoridae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Cladocera indet.	-	47	5	-	-	-	-	-	-	-	-
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-
Undetermined	Crustacea	-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-
	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-
	Other Organisms	-	Nematoda indet.	-	2	-	-	-	2	2	-	3	-	-
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-

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Lake				Nanuq *(cont'd)*							Counts			
Stomach #				12	13	14	15	16	17	18	1	2	3	4
Fish ID				NAN24-RDWH-13	NAN24-RDWH-14	NAN24-RDWH-15	NAN24-RDWH-16	NAN24-RDWH-17	NAN24-RDWH-18	N24-RDWH-22B_Se	CON24-RDWH-01	CON24-RDWH-02	CON24-RDWH-03	CON24-RDWH-04
Laboratory Sample ID				fs24-226-085	fs24-226-086	fs24-226-087	fs24-226-088	fs24-226-089	fs24-226-090	fs24-226-096	fs24-226-001	fs24-226-002	fs24-226-003	fs24-226-004
Sampling Date				1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24
Source	MajorGroup	Family	Taxon											
Benthic	Arachnida	Lebertiidae	*Lebertia* sp.	-	-	1	-	15	-	-	-	-	-	1
			Lebertiidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Limnesiidae	*Limnesia* sp.	-	-	-	-	-	-	-	-	-	-	-
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Trombidiformes indet.	-	-	-	-	-	-	-	-	-	-	-
	Coleoptera	Dytiscidae	Dytiscidae indet.	-	-	-	-	-	-	1	-	-	-	-
			Hydroporini indet.	-	-	-	-	-	-	-	-	-	-	-
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	-	1	-	-	-	-	-	-	-
			Chironomidae indet.	-	-	-	-	-	-	-	-	-	2	-
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-
			Chironomus sp.	-	11	-	-	-	1	-	-	1	-	-
			Corynocera sp.	-	-	23	-	-	6	-	-	-	-	-
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-
			Cricotopus/Orthocladius sp. complex	-	1	-	-	-	-	-	-	-	-	-
			Cryptochironomus sp.	-	-	-	-	-	-	-	-	-	-	-
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-
			Dicrotendipes sp.	1	-	27	2	1	7	3	-	5	-	3
			Endochironomu s sp.	-	-	-	-	-	-	-	-	-	-	-
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-
			Hydrobaenus sp.	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra/Tanytarsus sp. complex	-	-	-	-	-	-	-	-	-	-	-
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	-	-	-
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-
			Monodiamesa sp.	-	-	-	-	-	-	-	-	-	-	-
			Natarsia sp.	-	-	-	-	-	-	-	-	-	-	-
			Orthocladiinae indet.	-	-	-	-	-	-	-	-	-	-	-
			Pagastiella sp.	-	-	-	-	-	-	-	-	-	-	-
			Parachironomus sp.	-	-	-	-	-	-	-	-	3	-	2
			Paracladius sp.	-	-	-	-	-	-	-	-	-	-	-
			Paratanytarsus sp.	1	8	11	3	1	-	10	-	2	-	-
			Pentaneurini indet.	-	-	1	-	-	-	1	-	-	-	10
			Phaenopsectra sp.	-	-	-	-	-	-	-	-	-	-	-
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-
			Potthastia longimanus group	-	1	1	-	-	-	-	-	-	-	-
			Procladius sp.	-	8	-	-	-	3	-	-	-	-	-
			Protanypus sp.	-	-	-	-	-	-	-	-	-	-	-
			Psectrocladius sp.	2	31	-	2	3	-	-	-	-	-	-
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-

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Lake				Nanuq *(cont'd)*							Counts			
Stomach #				12	13	14	15	16	17	18	1	2	3	4
Fish ID				NAN24-RDWH-13	NAN24-RDWH-14	NAN24-RDWH-15	NAN24-RDWH-16	NAN24-RDWH-17	NAN24-RDWH-18	N24-RDWH-22B_Se	CON24-RDWH-01	CON24-RDWH-02	CON24-RDWH-03	CON24-RDWH-04
Laboratory Sample ID				fs24-226-085	fs24-226-086	fs24-226-087	fs24-226-088	fs24-226-089	fs24-226-090	fs24-226-096	fs24-226-001	fs24-226-002	fs24-226-003	fs24-226-004
Sampling Date				1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24
Source	MajorGroup	Family	Taxon											
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Stempellinella/Zavrelia* sp. complex	-	-	-	-	-	-	-	-	-	-	-
			Stictochironomus sp.	-	2	-	-	-	7	-	-	-	-	-
			Tanypodinae indet.	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsini indet.	-	-	-	-	-	-	-	-	-	-	-
			Zalutschia sp.	-	1	-	-	-	-	-	-	-	-	-
	Hemiptera	Corixidae	Corixini indet.	-	14	-	-	-	-	-	-	-	-	-
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-
	Mollusca	Planorbidae	Planorbidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Sphaeriidae	*Pisidium* sp.	-	-	-	-	-	-	-	-	-	-	-
			Sphaeriidae indet.	-	-	-	-	-	-	-	-	58	-	-
			Sphaerium sp.	-	-	-	-	-	-	-	-	-	-	-
		Valvatidae	*Valvata sincera*	-	-	-	-	-	-	-	-	-	-	-
			Valvata sp.	-	-	-	-	-	-	-	-	-	3	-
			Valvatidae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Bivalvia indet.	-	-	-	-	-	-	-	-	11	-	-
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	1	-
		-	Mollusca indet.	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Diptera indet.	-	-	-	-	-	-	-	1	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-
	Trichoptera	Apataniidae	*Apatania* sp.	-	2	9	1	1	-	45	-	-	-	-
			Apataniidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Hydroptilidae	Agraylea sp.	-	-	-	-	-	-	-	-	-	-	-
			Hydroptilidae indet.	-	-	-	-	-	-	-	-	-	-	3
			Oxyethira sp.	-	-	-	-	-	-	-	-	-	-	-
		Leptoceridae	*Ceraclea* sp.	-	-	-	-	-	-	-	-	-	-	-
			Leptoceridae indet.	-	1	-	-	1	-	-	-	-	-	-
			Mystacides sp.	-	-	-	-	-	-	18	-	-	-	3
			Nectopsyche sp.	-	-	-	-	-	-	-	-	-	-	-
			Oecetis sp.	-	-	-	-	-	-	-	-	-	-	-
		Limnephilidae	Limnephilidae indet.	-	1	-	-	-	-	1	-	-	-	-
		Phryganeidae	*Agrypnia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Phryganea sp.	-	-	-	-	-	-	-	-	-	-	-
			Phryganeidae indet.	-	2	-	-	-	-	-	-	-	-	-
		-	Trichoptera indet.	2	-	-	-	2	-	-	1	-	-	-
Fish	-	-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Teleostei indet.	-	-	-	-	-	-	-	-	-	-	-

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Indet. = indeterminate; sp. = species

Lake				Nanuq *(cont'd)*							Counts			
Stomach #				12	13	14	15	16	17	18	1	2	3	4
Fish ID				NAN24-RDWH-13	NAN24-RDWH-14	NAN24-RDWH-15	NAN24-RDWH-16	NAN24-RDWH-17	NAN24-RDWH-18	N24-RDWH-22B_Se	CON24-RDWH-01	CON24-RDWH-02	CON24-RDWH-03	CON24-RDWH-04
Laboratory Sample ID				fs24-226-085	fs24-226-086	fs24-226-087	fs24-226-088	fs24-226-089	fs24-226-090	fs24-226-096	fs24-226-001	fs24-226-002	fs24-226-003	fs24-226-004
Sampling Date				1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24
Source	MajorGroup	Family	Taxon											
Empty Stomach	-	-	Stomach empty	-	-	-	-	-	-	-	-	-	-	-
Non-food	Non-Food (Cases, Plant, Pebble, etc.)	-	Chironomid cases	-	-	-	-	-	-	-	-	-	-	-
		-	Fish scale	-	-	-	-	-	-	-	-	-	-	3
		-	Insecta cases	-	-	-	-	-	-	-	-	-	-	-
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-
		-	Sand grains	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-
		-	Wood fragments	-	-	-	-	-	-	-	-	-	-	-
Parasite	Other Organisms	-	Acanthocephala indet	-	-	-	-	-	-	-	-	-	-	-
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Chydoridae	Chydoridae indet.	-	-	-	-	-	-	-	-	-	-	-
			Eurycercus sp.	-	-	-	-	-	-	-	-	-	-	-
		Daphniidae	*Daphnia* sp.	242	5	80	154	-	-	11	-	-	-	-
			Daphniidae indet.	-	-	-	-	4	26	-	848	-	-	352
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-
		Temoridae	Heterocope septentrionalis	-	-	-	-	-	-	-	-	-	-	-
			Temoridae indet.	-	-	-	-	-	-	-	-	13	-	-
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Cladocera indet.	-	-	-	-	-	-	-	1376	-	-	-
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	10
Undetermined	Crustacea	-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-
	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	11

Notes:

Taxonomic analysis completed by Biologica Environmental Services. Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Indet. = indeterminate; sp. = species

Lake				Counts *(cont'd)*										
Stomach #				5	6	7	8	9	10	11	12	13	14	15
Fish ID				CON24-RDWH-05	CON24-RDWH-06	CON24-RDWH-07	CON24-RDWH-08	CON24-RDWH-09	CON24-RDWH-10	CON24-RDWH-11	CON24-RDWH-12	CON24-RDWH-13	CON24-RDWH-14	CON24-RDWH-15
Laboratory Sample ID				fs24-226-005	fs24-226-006	fs24-226-007	fs24-226-008	fs24-226-009	fs24-226-010	fs24-226-121	fs24-226-122	fs24-226-123	fs24-226-124	fs24-226-125
Sampling Date				13-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24	20-Aug-24	20-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24
Source	MajorGroup	Family	Taxon											
Benthic	Arachnida	Lebertiidae	*Lebertia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Lebertiidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Limnesiidae	*Limnesia* sp.	-	-	-	-	-	-	-	-	-	-	-
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Trombidiformes indet.	-	-	-	-	-	-	-	-	-	-	-
	Coleoptera	Dytiscidae	Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Hydroporini indet.	-	-	-	-	-	-	-	-	-	-	-
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	1	-	-	-	16	-	-	-	-	-
			Chironomidae indet.	-	-	2	-	4	16	-	3	-	2	-
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-
			Chironomus sp.	-	-	-	2	-	-	8	-	1	-	1
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	6
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-
			Cricotopus/Orthocladius sp. complex	-	-	-	-	-	-	-	-	-	-	-
			Cryptochironomus sp.	-	3	-	-	-	-	3	-	2	-	-
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-
			Dicrotendipes sp.	-	9	-	-	-	96	9	1	2	-	12
			Endochironomu s sp.	-	-	-	-	-	-	-	1	-	-	-
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-
			Hydrobaenus sp.	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra/Tanytarsus sp. complex	-	-	-	-	-	-	-	1	1	-	10
			Microtendipes pedellus group	-	2	-	-	-	-	1	-	-	-	-
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	42
			Monodiamesa sp.	-	-	-	-	-	-	-	-	-	-	-
			Natarsia sp.	-	-	-	-	-	-	-	-	-	-	-
			Orthocladiinae indet.	-	-	-	-	-	-	-	-	-	-	-
			Pagastiella sp.	-	-	-	-	-	-	-	-	-	-	-
			Parachironomus sp.	-	-	-	-	-	-	-	1	4	-	4
			Paracladius sp.	-	-	-	-	-	-	-	-	-	-	-
			Paratanytarsus sp.	-	-	-	-	-	-	-	1	-	-	-
			Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-
			Phaenopsectra sp.	-	-	-	-	-	4	1	-	1	-	-
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	2
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-
			Procladius sp.	-	-	-	-	-	-	1	-	-	-	24
			Protanypus sp.	-	-	-	-	-	-	-	-	-	-	-
			Psectrocladius sp.	-	-	-	-	-	-	-	-	-	-	-
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-

Notes:
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Indet. = indeterminate; sp. = species

Lake				Counts *(cont'd)*										
Stomach #				5	6	7	8	9	10	11	12	13	14	15
Fish ID				CON24-RDWH-05	CON24-RDWH-06	CON24-RDWH-07	CON24-RDWH-08	CON24-RDWH-09	CON24-RDWH-10	CON24-RDWH-11	CON24-RDWH-12	CON24-RDWH-13	CON24-RDWH-14	CON24-RDWH-15
Laboratory Sample ID				fs24-226-005	fs24-226-006	fs24-226-007	fs24-226-008	fs24-226-009	fs24-226-010	fs24-226-121	fs24-226-122	fs24-226-123	fs24-226-124	fs24-226-125
Sampling Date				13-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24	20-Aug-24	20-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24
Source	MajorGroup	Family	Taxon											
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Stempellinella/Zavrelia* sp. complex	-	-	-	-	-	-	-	-	-	-	-
			Stictochironomus sp.	-	-	-	-	-	-	-	-	-	-	-
			Tanypodinae indet.	-	1	-	-	-	-	-	-	-	-	-
			Tanytarsini indet.	-	-	-	-	-	-	-	-	-	-	-
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-
	Hemiptera	Corixidae	Corixini indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-
	Mollusca	Planorbidae	Planorbidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Sphaeriidae	*Pisidium* sp.	-	-	-	-	-	-	-	-	-	-	-
			Sphaeriidae indet.	-	-	-	-	83	-	-	-	57	-	27
			Sphaerium sp.	-	-	-	-	-	-	-	-	-	-	-
		Valvatidae	*Valvata sincera*	-	-	-	-	-	-	-	-	-	-	-
			Valvata sp.	-	-	-	-	39	-	126	-	1	-	-
			Valvatidae indet.	-	-	8	24	4	4	-	-	-	-	-
		-	Bivalvia indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Gastropoda indet.	-	-	13	20	20	-	153	-	-	-	-
		-	Mollusca indet.	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Diptera indet.	-	-	-	-	1	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-
	Trichoptera	Apataniidae	*Apatania* sp.	-	-	-	-	-	-	-	-	-	-	-
			Apataniidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Hydroptilidae	Agraylea sp.	-	1120	-	-	-	-	-	1280	-	2112	-
			Hydroptilidae indet.	-	-	-	-	-	-	-	-	2	2352	-
			Oxyethira sp.	-	-	-	-	-	-	-	-	-	-	-
		Leptoceridae	*Ceraclea* sp.	-	-	-	-	-	-	-	-	-	-	-
			Leptoceridae indet.	-	-	-	-	-	-	-	-	-	-	46
			Mystacides sp.	-	-	-	-	-	-	-	-	-	-	6
			Nectopsyche sp.	-	-	-	-	-	-	-	-	-	-	-
			Oecetis sp.	-	-	-	-	-	-	-	-	-	-	-
		Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Phryganeidae	*Agrypnia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Phryganea sp.	-	-	-	-	-	-	-	-	-	-	-
			Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera indet.	-	936	-	-	-	-	-	480	-	-	-
Fish	-	-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Teleostei indet.	-	-	-	-	-	-	-	-	-	-	-

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Indet. = indeterminate; sp. = species

Lake				Counts *(cont'd)*										
Stomach #				5	6	7	8	9	10	11	12	13	14	15
Fish ID				CON24-RDWH-05	CON24-RDWH-06	CON24-RDWH-07	CON24-RDWH-08	CON24-RDWH-09	CON24-RDWH-10	CON24-RDWH-11	CON24-RDWH-12	CON24-RDWH-13	CON24-RDWH-14	CON24-RDWH-15
Laboratory Sample ID				fs24-226-005	fs24-226-006	fs24-226-007	fs24-226-008	fs24-226-009	fs24-226-010	fs24-226-121	fs24-226-122	fs24-226-123	fs24-226-124	fs24-226-125
Sampling Date				13-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24	20-Aug-24	20-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24
Source	MajorGroup	Family	Taxon											
Empty Stomach	-	-	Stomach empty	-	-	-	-	-	-	-	-	-	-	-
Non-food	Non-Food (Cases, Plant, Pebble, etc.)	-	Chironomid cases	-	-	-	-	-	-	-	-	-	-	-
		-	Fish scale	-	-	-	-	-	-	-	-	-	-	-
		-	Insecta cases	-	-	-	-	-	-	-	-	-	-	-
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-
		-	Sand grains	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-
		-	Wood fragments	-	-	-	-	-	-	-	-	-	-	-
Parasite	Other Organisms	-	Acanthocephala indet	-	-	-	1	-	-	-	-	-	-	-
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Chydoridae	Chydoridae indet.	-	-	-	-	-	-	-	-	-	-	-
			Eurycercus sp.	-	-	-	-	-	-	-	-	-	-	-
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Daphniidae indet.	460	-	704	332	-	824	-	-	-	-	-
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-
		Temoridae	Heterocope septentrionalis	-	-	-	-	-	-	-	-	-	-	-
			Temoridae indet.	-	-	-	3	-	-	-	-	-	-	-
		-	Calanoida indet.	-	-	-	-	-	-	-	2	496	-	-
		-	Cladocera indet.	-	-	-	236	-	-	-	-	-	-	-
		-	Copepoda indet.	-	3	-	-	-	-	-	-	416	-	-
		-	Cyclopoida indet.	-	-	-	-	-	-	11	-	-	-	-
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-
Undetermined	Crustacea	-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-
	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	2
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-

Notes:

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Indet. = indeterminate; sp. = species

Lake				Counts *(cont'd)*					Kodiak					
Stomach #				16	17	18	19	20	1	2	3	4	5	6
Fish ID				CON24-RDWH-16	CON24-RDWH-18	CON24-RDWH-19	CON24-RDWH-20	CON24-RDWH-21	KOD24-RDWH-01	KOD24-RDWH-02	KOD24-RDWH-03	KOD24-RDWH-04	KOD24-RDWH-05	KOD24-RDWH-06
Laboratory Sample ID				fs24-226-126	fs24-226-127	fs24-226-128	fs24-226-129	fs24-226-130	fs24-226-039	fs24-226-040	fs24-226-041	fs24-226-042	fs24-226-043	fs24-226-044
Sampling Date				21-Aug-24	22-Aug-24	22-Aug-24	22-Aug-24	13-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24
Source	MajorGroup	Family	Taxon											
Benthic	Arachnida	Lebertiidae	*Lebertia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Lebertiidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Limnesiidae	*Limnesia* sp.	-	-	-	-	-	-	-	-	-	-	-
		-	Oribatida indet.	-	-	-	-	-	-	-	-	8	-	-
		-	Trombidiformes indet.	-	-	-	-	-	9	-	-	-	-	-
	Coleoptera	Dytiscidae	Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Hydroporini indet.	-	-	-	-	-	-	-	-	-	-	-
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Chironomidae indet.	-	28	3	64	1	-	-	-	-	-	-
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-
			Chironomini indet.	-	2	-	-	-	-	-	-	-	-	-
			Chironomus sp.	3	57	1	-	1	-	-	-	-	-	-
			Corynocera sp.	-	1	2	-	-	-	-	-	-	-	-
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-
			Cricotopus/Orthocladius sp. complex	-	-	-	-	-	-	-	-	-	-	-
			Cryptochironomus sp.	16	20	-	-	-	-	-	-	-	2	-
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-
			Dicrotendipes sp.	177	17	13	11	5	5	16	-	-	9	9
			Endochironomu s sp.	-	-	-	-	-	175	244	2	-	450	54
			Glyptotendipes sp.	-	-	-	-	-	1	4	-	-	4	-
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-
			Hydrobaenus sp.	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra/Tanytarsus sp. complex	-	13	-	-	-	-	-	-	-	-	-
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	-	-	-
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-
			Monodiamesa sp.	-	-	-	-	-	-	-	-	-	-	-
			Natarsia sp.	-	-	-	-	-	-	-	-	-	-	-
			Orthocladiinae indet.	-	-	-	-	-	-	-	-	-	-	-
			Pagastiella sp.	-	-	-	-	-	-	-	-	-	-	-
			Parachironomus sp.	-	-	1	-	-	-	-	-	-	-	-
			Paracladius sp.	-	2	-	-	-	-	-	-	-	-	-
			Paratanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-
			Pentaneurini indet.	16	-	-	-	-	-	-	-	-	1	-
			Phaenopsectra sp.	-	-	-	-	-	-	-	-	-	-	-
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-
			Procladius sp.	-	-	2	-	1	-	4	-	-	-	-
			Protanypus sp.	-	-	-	-	-	-	-	-	-	-	-
			Psectrocladius sp.	-	-	-	-	-	-	-	-	-	1	-
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-

Notes:

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Indet. = indeterminate; sp. = species

Lake				Counts *(cont'd)*					Kodiak					
Stomach #				16	17	18	19	20	1	2	3	4	5	6
Fish ID				CON24-RDWH-16	CON24-RDWH-18	CON24-RDWH-19	CON24-RDWH-20	CON24-RDWH-21	KOD24-RDWH-01	KOD24-RDWH-02	KOD24-RDWH-03	KOD24-RDWH-04	KOD24-RDWH-05	KOD24-RDWH-06
Laboratory Sample ID				fs24-226-126	fs24-226-127	fs24-226-128	fs24-226-129	fs24-226-130	fs24-226-039	fs24-226-040	fs24-226-041	fs24-226-042	fs24-226-043	fs24-226-044
Sampling Date				21-Aug-24	22-Aug-24	22-Aug-24	22-Aug-24	13-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24
Source	MajorGroup	Family	Taxon											
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Stempellinella/Zavrelia* sp. complex	-	-	-	-	-	-	-	-	-	-	-
			Stictochironomus sp.	-	-	-	-	-	-	-	-	-	-	-
			Tanypodinae indet.	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsini indet.	-	-	-	-	-	-	-	-	-	-	-
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-
	Hemiptera	Corixidae	Corixini indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-
	Mollusca	Planorbidae	Planorbidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Sphaeriidae	*Pisidium* sp.	-	-	-	-	-	-	-	-	-	-	-
			Sphaeriidae indet.	-	-	10	-	50	-	-	-	-	-	-
			Sphaerium sp.	-	-	-	-	-	-	-	-	-	-	-
		Valvatidae	*Valvata sincera*	-	-	-	-	-	-	-	-	-	-	-
			Valvata sp.	-	-	27	9	-	-	32	-	124	-	-
			Valvatidae indet.	-	-	-	-	12	-	-	-	-	-	-
		-	Bivalvia indet.	-	-	-	-	-	-	-	-	1	-	-
		-	Gastropoda indet.	-	-	45	8	23	-	-	-	-	-	-
		-	Mollusca indet.	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	1	-
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Diptera indet.	-	5	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-
			Insecta indet.	-	-	-	-	-	-	-	-	-	-	-
	Trichoptera	Apataniidae	*Apatania* sp.	-	-	-	-	-	-	-	-	-	-	-
			Apataniidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Hydroptilidae	Agraylea sp.	-	-	-	-	-	-	-	1	-	-	-
			Hydroptilidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Oxyethira sp.	-	-	-	-	-	-	-	-	-	-	-
		Leptoceridae	*Ceraclea* sp.	-	-	-	-	-	-	-	-	-	-	-
			Leptoceridae indet.	1	-	-	-	-	1	-	-	-	1	-
			Mystacides sp.	-	-	-	-	-	-	-	-	-	-	-
			Nectopsyche sp.	-	-	-	-	-	-	-	-	-	-	-
			Oecetis sp.	-	-	-	-	-	1	-	-	-	-	-
		Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Phryganeidae	*Agrypnia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Phryganea sp.	-	-	-	-	-	-	-	-	-	-	-
			Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera indet.	2	-	-	-	-	-	-	-	-	-	-
Fish	-	-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Teleostei indet.	-	-	-	-	-	-	-	-	-	-	-

Notes:
Taxonomic analysis completed by Biologica Environmental Services. Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.
Indet. = indeterminate; sp. = species

Lake				Counts *(cont'd)*					Kodiak					
Stomach #				16	17	18	19	20	1	2	3	4	5	6
Fish ID				CON24-RDWH-16	CON24-RDWH-18	CON24-RDWH-19	CON24-RDWH-20	CON24-RDWH-21	KOD24-RDWH-01	KOD24-RDWH-02	KOD24-RDWH-03	KOD24-RDWH-04	KOD24-RDWH-05	KOD24-RDWH-06
Laboratory Sample ID				fs24-226-126	fs24-226-127	fs24-226-128	fs24-226-129	fs24-226-130	fs24-226-039	fs24-226-040	fs24-226-041	fs24-226-042	fs24-226-043	fs24-226-044
Sampling Date				21-Aug-24	22-Aug-24	22-Aug-24	22-Aug-24	13-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24
Source	MajorGroup	Family	Taxon											
Empty Stomach	-	-	Stomach empty	-	-	-	-	-	-	-	-	-	-	-
Non-food	Non-Food (Cases, Plant, Pebble, etc.)	-	Chironomid cases	-	-	-	-	-	-	-	-	-	-	-
		-	Fish scale	-	-	-	-	-	-	-	-	-	-	-
		-	Insecta cases	-	-	-	-	-	-	-	-	-	-	-
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-
		-	Sand grains	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-
		-	Wood fragments	-	-	-	-	-	-	-	-	-	-	-
Parasite	Other Organisms	-	Acanthocephala indet	-	-	1	-	-	-	-	-	-	-	-
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Chydoridae	Chydoridae indet.	-	-	-	-	-	-	-	-	-	-	-
			Eurycercus sp.	-	-	-	-	-	-	-	-	-	-	3
		Daphniidae	*Daphnia* sp.	256	-	-	-	-	-	-	-	-	-	-
			Daphniidae indet.	1168	-	1	648	-	-	-	-	-	-	-
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-
		Temoridae	Heterocope septentrionalis	-	-	-	-	-	-	-	-	-	-	-
			Temoridae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Cladocera indet.	-	-	7	1184	1	-	-	-	-	-	-
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-
Undetermined	Crustacea	-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-
	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-
	Other Organisms	-	Nematoda indet.	-	2	-	-	-	-	-	-	-	-	-
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-

Notes:

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Indet. = indeterminate; sp. = species

Lake				Kodiak *(cont'd)*										
Stomach #				7	8	9	10	11	12	13	14	15	16	17
Fish ID				KOD24-RDWH-07	KOD24-RDWH-08	KOD24-RDWH-09	KOD24-RDWH-10	KOD24-RDWH-11	KOD24-RDWH-12	KOD24-RDWH-13	KOD24-RDWH-14	KOD24-RDWH-15	KOD24-RDWH-16	KOD24-RDWH-17
Laboratory Sample ID				fs24-226-045	fs24-226-046	fs24-226-047	fs24-226-048	fs24-226-049	fs24-226-050	fs24-226-051	fs24-226-162	fs24-226-163	fs24-226-164	fs24-226-165
Sampling Date				24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24
Source	MajorGroup	Family	Taxon											
Benthic	Arachnida	Lebertiidae	*Lebertia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Lebertiidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Limnesiidae	*Limnesia* sp.	-	-	-	-	-	-	-	-	-	-	-
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Trombidiformes indet.	-	-	-	-	-	-	-	-	-	-	-
	Coleoptera	Dytiscidae	Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Hydroporini indet.	-	1	-	-	-	-	-	-	-	-	-
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	1	-	-	-	-
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	-	1	5	-	-	2	-	-	1
			Chironomidae indet.	-	-	-	-	-	-	2	-	-	5	-
			Chironominae indet.	-	-	-	-	-	-	3	-	-	-	-
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-
			Chironomus sp.	-	-	3	-	-	-	-	-	-	-	-
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-
			Cricotopus/Orthocladius sp. complex	-	1	1	-	-	-	1	-	-	-	1
			Cryptochironomus sp.	-	-	-	-	-	-	-	-	-	-	-
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-
			Dicrotendipes sp.	8	11	7	13	3	2	99	12	-	-	26
			Endochironomu s sp.	136	301	89	77	74	16	325	51	13	306	75
			Glyptotendipes sp.	2	-	-	-	-	1	5	1	-	-	-
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-
			Hydrobaenus sp.	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra/Tanytarsus sp. complex	-	-	-	-	-	-	-	-	-	-	-
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	-	-	-
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-
			Monodiamesa sp.	-	-	-	-	-	-	-	-	-	-	-
			Natarsia sp.	-	-	-	-	-	-	-	-	-	-	-
			Orthocladiinae indet.	-	-	-	-	-	-	-	-	-	-	-
			Pagastiella sp.	-	-	-	-	-	-	-	-	-	-	-
			Parachironomus sp.	-	-	-	-	-	-	-	1	-	-	-
			Paracladius sp.	-	-	-	-	-	-	-	-	-	-	-
			Paratanytarsus sp.	-	-	2	-	-	-	-	-	-	-	3
			Pentaneurini indet.	1	-	-	-	-	-	1	-	-	-	-
			Phaenopsectra sp.	-	-	-	-	-	-	-	-	-	-	-
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-
			Procladius sp.	-	-	1	-	-	-	-	-	-	-	1
			Protanypus sp.	-	-	-	-	-	-	-	-	-	-	-
			Psectrocladius sp.	1	-	-	-	-	1	-	3	-	-	4
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-

Notes:

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Indet. = indeterminate; sp. = species

Lake				Kodiak *(cont'd)*										
Stomach #				7	8	9	10	11	12	13	14	15	16	17
Fish ID				KOD24-RDWH-07	KOD24-RDWH-08	KOD24-RDWH-09	KOD24-RDWH-10	KOD24-RDWH-11	KOD24-RDWH-12	KOD24-RDWH-13	KOD24-RDWH-14	KOD24-RDWH-15	KOD24-RDWH-16	KOD24-RDWH-17
Laboratory Sample ID				fs24-226-045	fs24-226-046	fs24-226-047	fs24-226-048	fs24-226-049	fs24-226-050	fs24-226-051	fs24-226-162	fs24-226-163	fs24-226-164	fs24-226-165
Sampling Date				24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24
Source	MajorGroup	Family	Taxon											
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Stempellinella/Zavrelia* sp. complex	-	-	-	-	-	-	-	-	-	-	-
			Stictochironomus sp.	-	-	-	-	-	-	-	-	-	-	-
			Tanypodinae indet.	-	-	-	-	-	-	-	-	1	1	-
			Tanytarsini indet.	-	-	-	-	-	-	-	-	-	-	-
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-
	Hemiptera	Corixidae	Corixini indet.	-	-	-	-	-	2	-	-	-	-	-
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-
	Mollusca	Planorbidae	Planorbidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Sphaeriidae	*Pisidium* sp.	-	-	-	-	-	-	-	-	-	-	-
			Sphaeriidae indet.	-	-	-	-	-	-	-	1	-	-	-
			Sphaerium sp.	-	-	-	-	-	-	-	-	-	-	-
		Valvatidae	*Valvata sincera*	-	-	-	-	-	-	-	-	-	-	-
			Valvata sp.	-	-	-	-	-	-	-	2	-	-	-
			Valvatidae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Bivalvia indet.	-	-	-	-	-	-	-	-	-	3	-
		-	Gastropoda indet.	-	-	-	-	-	-	-	8	-	-	-
		-	Mollusca indet.	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	1	-
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	2
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-
	Trichoptera	Apataniidae	*Apatania* sp.	-	-	-	-	-	-	-	-	-	-	-
			Apataniidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Hydroptilidae	Agraylea sp.	-	-	-	-	-	-	-	-	-	-	-
			Hydroptilidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Oxyethira sp.	-	-	-	-	-	-	-	-	-	-	-
		Leptoceridae	*Ceraclea* sp.	-	-	-	-	-	-	-	-	-	2	-
			Leptoceridae indet.	-	-	-	-	-	-	5	-	-	-	-
			Mystacides sp.	-	-	1	-	1	2	-	-	-	10	-
			Nectopsyche sp.	-	-	-	-	-	-	-	-	-	2	-
			Oecetis sp.	-	-	-	-	-	-	-	-	-	-	-
		Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	1	-
		Phryganeidae	*Agrypnia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Phryganea sp.	-	-	-	-	-	-	-	-	-	-	-
			Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera indet.	-	-	1	-	-	1	-	1	-	-	-
Fish	-	-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Teleostei indet.	-	-	-	-	-	-	-	-	-	-	-

Notes:
Taxonomic analysis completed by Biologica Environmental Services. Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.
Indet. = indeterminate; sp. = species

Lake				Kodiak *(cont'd)*										
Stomach #				7	8	9	10	11	12	13	14	15	16	17
Fish ID				KOD24-RDWH-07	KOD24-RDWH-08	KOD24-RDWH-09	KOD24-RDWH-10	KOD24-RDWH-11	KOD24-RDWH-12	KOD24-RDWH-13	KOD24-RDWH-14	KOD24-RDWH-15	KOD24-RDWH-16	KOD24-RDWH-17
Laboratory Sample ID				fs24-226-045	fs24-226-046	fs24-226-047	fs24-226-048	fs24-226-049	fs24-226-050	fs24-226-051	fs24-226-162	fs24-226-163	fs24-226-164	fs24-226-165
Sampling Date				24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24
Source	MajorGroup	Family	Taxon											
Empty Stomach	-	-	Stomach empty	-	-	-	-	-	-	-	-	-	-	-
Non-food	Non-Food (Cases, Plant, Pebble, etc.)	-	Chironomid cases	-	-	-	-	-	-	-	-	-	-	-
		-	Fish scale	-	-	-	-	-	-	-	-	-	-	-
		-	Insecta cases	-	-	-	-	-	-	-	-	-	-	-
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-
		-	Sand grains	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-
		-	Wood fragments	-	-	-	-	-	-	-	-	-	-	-
Parasite	Other Organisms	-	Acanthocephala indet	-	-	-	-	-	-	-	-	-	-	-
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Chydoridae	Chydoridae indet.	-	-	-	-	-	-	-	-	-	-	-
			Eurycercus sp.	-	-	-	-	-	-	-	-	-	-	-
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-
		Temoridae	Heterocope septentrionalis	-	-	-	-	-	-	-	-	-	-	-
			Temoridae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Cladocera indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-
Undetermined	Crustacea	-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-
	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-

Notes:

Taxonomic analysis completed by Biologica Environmental Services. Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Indet. = indeterminate; sp. = species

Lake				Kodiak *(cont'd)*			Leslie							
Stomach #				18	19	20	1	2	3	4	5	6	7	8
Fish ID				KOD24-RDWH-18	KOD24-RDWH-19	KOD24-RDWH-20	LES24-RDWH-01	LES24-RDWH-02	LES24-RDWH-03	LES24-RDWH-04	LES24-RDWH-05	LES24-RDWH-06	LES24-RDWH-07	LES24-RDWH-08
Laboratory Sample ID				fs24-226-166	fs24-226-167	fs24-226-168	fs24-226-052	fs24-226-053	fs24-226-054	fs24-226-055	fs24-226-056	fs24-226-057	fs24-226-058	fs24-226-059
Sampling Date				25-Aug-24	25-Aug-24	25-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24
Source	MajorGroup	Family	Taxon											
Benthic	Arachnida	Lebertiidae	*Lebertia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Lebertiidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Limnesiidae	*Limnesia* sp.	-	-	-	-	-	-	-	-	-	-	-
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Trombidiformes indet.	-	-	-	-	-	-	-	-	-	-	-
	Coleoptera	Dytiscidae	Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Hydroporini indet.	-	-	-	-	-	-	-	-	-	-	-
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Chironomidae indet.	-	-	-	-	2	-	1	-	2	-	2
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-
			Chironomus sp.	-	-	-	-	-	-	-	-	-	-	-
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-
			Cricotopus/Orthocladius sp. complex	1	-	-	-	-	-	-	-	-	-	-
			Cryptochironomus sp.	-	-	-	-	-	-	1	-	-	2	-
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-
			Dicrotendipes sp.	5	26	6	-	-	-	1	-	-	-	-
			Endochironomu s sp.	5	41	171	-	-	-	-	-	-	-	-
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-
			Hydrobaenus sp.	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra/Tanytarsus sp. complex	-	-	1	-	-	1	-	-	-	4	-
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	-	-	-
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-
			Monodiamesa sp.	-	-	-	-	-	1	1	-	-	-	-
			Natarsia sp.	-	-	-	-	-	-	-	-	-	-	-
			Orthocladiinae indet.	-	-	-	-	-	-	-	-	-	-	-
			Pagastiella sp.	-	-	-	-	-	-	-	-	-	-	-
			Parachironomus sp.	1	-	-	-	-	-	-	-	-	-	-
			Paracladius sp.	-	-	-	-	-	-	-	-	-	-	-
			Paratanytarsus sp.	1	1	-	-	-	-	-	-	-	-	-
			Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-
			Phaenopsectra sp.	-	-	-	-	-	-	-	-	-	-	-
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-
			Procladius sp.	-	-	1	5	-	9	5	-	-	6	3
			Protanypus sp.	-	-	-	-	-	-	-	-	-	-	-
			Psectrocladius sp.	1	1	-	-	-	-	-	-	-	-	-
			Pseudochironomus sp.	-	-	-	-	-	-	1	-	-	2	-

Notes:
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Indet. = indeterminate; sp. = species

Lake				Kodiak *(cont'd)*			Leslie						
Stomach #				18	19	20	1	2	3	4	5	6	7	8
Fish ID				KOD24-RDWH-18	KOD24-RDWH-19	KOD24-RDWH-20	LES24-RDWH-01	LES24-RDWH-02	LES24-RDWH-03	LES24-RDWH-04	LES24-RDWH-05	LES24-RDWH-06	LES24-RDWH-07	LES24-RDWH-08
Laboratory Sample ID				fs24-226-166	fs24-226-167	fs24-226-168	fs24-226-052	fs24-226-053	fs24-226-054	fs24-226-055	fs24-226-056	fs24-226-057	fs24-226-058	fs24-226-059
Sampling Date				25-Aug-24	25-Aug-24	25-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24
Source	MajorGroup	Family	Taxon											
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Stempellinella/Zavrelia* sp. complex	-	-	-	-	-	-	-	-	-	-	-
			Stictochironomus sp.	-	-	-	-	-	-	1	-	-	-	-
			Tanypodinae indet.	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsini indet.	-	-	-	-	-	-	-	-	-	-	-
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-
	Hemiptera	Corixidae	Corixini indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-
	Mollusca	Planorbidae	Planorbidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Sphaeriidae	*Pisidium* sp.	-	-	-	-	-	-	-	-	-	-	-
			Sphaeriidae indet.	-	2	-	1	-	8	-	-	-	-	-
			Sphaerium sp.	-	-	-	-	-	-	-	-	-	-	-
		Valvatidae	*Valvata sincera*	-	-	-	-	-	-	-	-	-	-	-
			Valvata sp.	-	-	3	2	-	-	-	-	-	-	-
			Valvatidae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Bivalvia indet.	-	-	-	-	-	-	-	-	-	4	-
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Mollusca indet.	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-
			Dasyhelea sp.	1	-	-	-	-	-	-	-	-	-	-
		Empididae	Empididae indet.	-	-	-	1	-	-	-	-	-	-	-
		-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-
	Trichoptera	Apataniidae	*Apatania* sp.	-	-	-	-	-	-	-	-	-	-	-
			Apataniidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Hydroptilidae	Agraylea sp.	-	-	-	-	-	-	-	-	-	-	-
			Hydroptilidae indet.	-	-	-	-	-	-	1	-	-	-	-
			Oxyethira sp.	-	-	-	-	-	-	-	-	-	-	-
		Leptoceridae	*Ceraclea* sp.	-	-	-	-	-	-	-	-	-	-	-
			Leptoceridae indet.	-	-	-	-	-	-	-	-	-	-	-
			Mystacides sp.	1	-	-	-	-	-	22	-	-	-	1
			Nectopsyche sp.	-	-	-	-	-	-	-	-	-	-	-
			Oecetis sp.	-	-	-	-	-	-	-	-	-	-	-
		Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Phryganeidae	*Agrypnia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Phryganea sp.	-	-	-	-	-	-	-	-	-	-	-
			Phryganeidae indet.	-	-	-	-	-	-	2	-	-	-	-
		-	Trichoptera indet.	-	-	-	-	-	-	1	-	-	-	-
Fish	-	-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Teleostei indet.	-	-	-	-	-	-	-	-	-	-	-

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Indet. = indeterminate; sp. = species

Lake				Kodiak *(cont'd)*			Leslie						
Stomach #				18	19	20	1	2	3	4	5	6	7	8
Fish ID				KOD24-RDWH-18	KOD24-RDWH-19	KOD24-RDWH-20	LES24-RDWH-01	LES24-RDWH-02	LES24-RDWH-03	LES24-RDWH-04	LES24-RDWH-05	LES24-RDWH-06	LES24-RDWH-07	LES24-RDWH-08
Laboratory Sample ID				fs24-226-166	fs24-226-167	fs24-226-168	fs24-226-052	fs24-226-053	fs24-226-054	fs24-226-055	fs24-226-056	fs24-226-057	fs24-226-058	fs24-226-059
Sampling Date				25-Aug-24	25-Aug-24	25-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24
Source	MajorGroup	Family	Taxon											
Empty Stomach	-	-	Stomach empty	-	-	-	-	-	-	-	-	-	-	-
Non-food	Non-Food (Cases, Plant, Pebble, etc.)	-	Chironomid cases	-	-	-	-	-	-	-	-	-	-	-
		-	Fish scale	-	-	-	-	-	-	-	-	-	-	-
		-	Insecta cases	-	-	-	-	-	-	-	-	-	-	-
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-
		-	Sand grains	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-
		-	Wood fragments	-	-	-	-	-	-	-	-	-	-	-
Parasite	Other Organisms	-	Acanthocephala indet	-	-	-	-	-	-	-	-	-	-	-
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Chydoridae	Chydoridae indet.	-	-	-	-	-	-	-	-	-	-	-
			Eurycercus sp.	2	-	2	-	-	-	-	-	-	-	-
		Daphniidae	*Daphnia* sp.	-	-	-	1362	2880	3408	-	1494	1362	882	3550
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-
		Temoridae	Heterocope septentrionalis	-	-	-	-	-	-	-	-	-	-	-
			Temoridae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Cladocera indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-
Undetermined	Crustacea	-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-
	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-

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Lake				Leslie *(cont'd)*										
Stomach #				9	10	11	12	13	14	15	16	17	18	19
Fish ID				LES24-RDWH-09	LES24-RDWH-10	LES24-RDWH-11	LES24-RDWH-12	LES24-RDWH-13	LES24-RDWH-14	LES24-RDWH-15	LES24-RDWH-16	LES24-RDWH-17	LES24-RDWH-18	LES24-RDWH-19
Laboratory Sample ID				fs24-226-060	fs24-226-061	fs24-226-062	fs24-226-063	fs24-226-064	fs24-226-065	fs24-226-066	fs24-226-067	fs24-226-068	fs24-226-069	fs24-226-070
Sampling Date				29-Aug-24	29-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24
Source	MajorGroup	Family	Taxon											
Benthic	Arachnida	Lebertiidae	*Lebertia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Lebertiidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Limnesiidae	*Limnesia* sp.	-	-	-	-	-	-	-	-	-	-	-
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Trombidiformes indet.	-	-	-	-	-	-	-	-	-	-	-
	Coleoptera	Dytiscidae	Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Hydroporini indet.	-	-	-	-	-	-	-	-	-	-	-
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Chironomidae indet.	-	-	-	-	-	1	2	-	-	-	-
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-
			Chironomus sp.	-	-	-	-	-	-	-	-	-	-	-
			Corynocera sp.	-	-	-	-	-	-	3	-	-	-	-
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-
			Cricotopus/Orthocladius sp. complex	-	-	-	-	-	-	-	-	-	-	-
			Cryptochironomus sp.	-	-	-	-	-	-	-	-	-	-	-
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-
			Dicrotendipes sp.	-	-	1	-	-	-	-	-	-	-	-
			Endochironomu s sp.	-	-	-	-	-	-	-	-	-	-	-
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-
			Hydrobaenus sp.	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra/Tanytarsus sp. complex	-	-	1	-	-	18	21	-	-	-	-
			Microtendipes pedellus group	-	-	-	-	-	-	2	-	-	-	-
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-
			Monodiamesa sp.	-	-	-	-	-	-	1	-	-	-	-
			Natarsia sp.	-	-	-	-	-	-	-	-	-	-	-
			Orthocladiinae indet.	-	-	-	-	-	-	-	-	-	-	-
			Pagastiella sp.	-	-	-	-	-	-	-	-	-	-	-
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-
			Paracladius sp.	-	-	-	-	-	-	-	-	-	-	-
			Paratanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-
			Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-
			Phaenopsectra sp.	-	-	-	-	-	-	-	-	-	-	-
			Polypedilum sp.	-	-	-	-	-	1	-	-	-	-	-
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-
			Procladius sp.	-	-	-	-	-	-	6	-	-	-	-
			Protanypus sp.	-	-	-	-	-	-	-	-	-	-	-
			Psectrocladius sp.	-	-	-	-	-	-	-	-	-	-	-
			Pseudochironomus sp.	-	-	-	1	-	-	1	-	-	-	-

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Indet. = indeterminate; sp. = species

Lake				Leslie *(cont'd)*										
Stomach #				9	10	11	12	13	14	15	16	17	18	19
Fish ID				LES24-RDWH-09	LES24-RDWH-10	LES24-RDWH-11	LES24-RDWH-12	LES24-RDWH-13	LES24-RDWH-14	LES24-RDWH-15	LES24-RDWH-16	LES24-RDWH-17	LES24-RDWH-18	LES24-RDWH-19
Laboratory Sample ID				fs24-226-060	fs24-226-061	fs24-226-062	fs24-226-063	fs24-226-064	fs24-226-065	fs24-226-066	fs24-226-067	fs24-226-068	fs24-226-069	fs24-226-070
Sampling Date				29-Aug-24	29-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24
Source	MajorGroup	Family	Taxon											
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Stempellinella/Zavrelia* sp. complex	-	-	-	-	-	-	-	-	-	-	-
			Stictochironomus sp.	-	-	-	-	-	-	-	-	-	-	-
			Tanypodinae indet.	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsini indet.	-	-	-	-	-	-	-	-	-	-	-
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-
	Hemiptera	Corixidae	Corixini indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-
	Mollusca	Planorbidae	Planorbidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Sphaeriidae	*Pisidium* sp.	-	-	-	-	-	-	-	-	-	-	-
			Sphaeriidae indet.	-	-	-	7	-	4	9	-	-	-	-
			Sphaerium sp.	-	-	-	-	-	-	-	-	-	-	-
		Valvatidae	*Valvata sincera*	-	-	-	-	-	-	-	-	-	-	-
			Valvata sp.	3	-	-	-	-	-	29	-	48	-	-
			Valvatidae indet.	-	-	43	-	4	-	-	-	-	-	-
		-	Bivalvia indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	8	-	-
		-	Mollusca indet.	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Diptera indet.	-	-	-	-	1	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-
	Trichoptera	Apataniidae	*Apatania* sp.	-	-	-	-	-	-	-	-	-	-	-
			Apataniidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Hydroptilidae	Agraylea sp.	-	-	1	-	-	-	-	-	-	-	-
			Hydroptilidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Oxyethira sp.	-	-	-	-	-	-	-	-	-	-	-
		Leptoceridae	*Ceraclea* sp.	-	-	-	-	-	-	-	-	-	-	-
			Leptoceridae indet.	-	-	-	-	-	-	3	-	-	-	-
			Mystacides sp.	-	-	4	-	-	-	1	-	-	-	-
			Nectopsyche sp.	-	-	-	-	-	-	-	-	-	-	-
			Oecetis sp.	-	-	-	-	-	-	-	-	-	-	-
		Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Phryganeidae	*Agrypnia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Phryganea sp.	-	-	-	-	-	-	-	-	-	-	-
			Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera indet.	-	-	-	-	-	-	1	-	-	-	-
Fish	-	-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Teleostei indet.	-	-	-	-	-	-	-	-	-	-	-

Notes:
Taxonomic analysis completed by Biologica Environmental Services. Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.
Indet. = indeterminate; sp. = species

Lake				Leslie *(cont'd)*										
Stomach #				9	10	11	12	13	14	15	16	17	18	19
Fish ID				LES24-RDWH-09	LES24-RDWH-10	LES24-RDWH-11	LES24-RDWH-12	LES24-RDWH-13	LES24-RDWH-14	LES24-RDWH-15	LES24-RDWH-16	LES24-RDWH-17	LES24-RDWH-18	LES24-RDWH-19
Laboratory Sample ID				fs24-226-060	fs24-226-061	fs24-226-062	fs24-226-063	fs24-226-064	fs24-226-065	fs24-226-066	fs24-226-067	fs24-226-068	fs24-226-069	fs24-226-070
Sampling Date				29-Aug-24	29-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24
Source	MajorGroup	Family	Taxon											
Empty Stomach	-	-	Stomach empty	-	-	-	-	-	-	-	-	-	-	-
Non-food	Non-Food (Cases, Plant, Pebble, etc.)	-	Chironomid cases	-	-	-	-	-	-	-	-	-	-	-
		-	Fish scale	-	-	-	-	-	-	-	-	-	-	-
		-	Insecta cases	-	-	-	-	-	-	-	-	-	-	-
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-
		-	Sand grains	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-
		-	Wood fragments	-	-	-	-	-	-	-	-	-	-	-
Parasite	Other Organisms	-	Acanthocephala indet	-	-	-	-	-	-	-	-	-	-	-
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Chydoridae	Chydoridae indet.	-	-	-	-	-	-	-	-	-	-	-
			Eurycercus sp.	-	-	-	-	-	-	-	-	-	-	-
		Daphniidae	*Daphnia* sp.	376	-	800	1	73	1	-	84	400	-	-
			Daphniidae indet.	-	43	-	-	-	-	-	186	100	-	-
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-
		Temoridae	Heterocope septentrionalis	-	-	-	-	-	-	-	-	-	-	-
			Temoridae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Cladocera indet.	536	-	928	-	62	-	-	-	152	2	2
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Cyclopoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	*Ephippia*	-	5	144	-	10	3	-	-	104	-	-
Undetermined	Crustacea	-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-
	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-

Notes:

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Indet. = indeterminate; sp. = species

Lake				Leslie *(cont'd)*	Moose									
Stomach #				20	1	2	3	4	5	6	7	8	9	10
Fish ID				LES24-RDWH-20	MOO24-RDWH-01	MOO24-RDWH-02	MOO24-RDWH-03	MOO24-RDWH-04	MOO24-RDWH-05	MOO24-RDWH-06	MOO24-RDWH-07	MOO24-RDWH-08	MOO24-RDWH-09	MOO24-RDWH-10
Laboratory Sample ID				fs24-226-071	fs24-226-152	fs24-226-153	fs24-226-154	fs24-226-155	fs24-226-156	fs24-226-157	fs24-226-158	fs24-226-159	fs24-226-160	fs24-226-161
Sampling Date				30-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24
Source	MajorGroup	Family	Taxon											
Benthic	Arachnida	Lebertiidae	*Lebertia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Lebertiidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Limnesiidae	*Limnesia* sp.	-	-	-	-	-	-	-	-	-	-	-
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Trombidiformes indet.	-	-	-	-	-	-	-	-	-	-	-
	Coleoptera	Dytiscidae	Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Hydroporini indet.	-	-	-	-	-	-	-	-	-	-	-
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	-	-	-	-	-	6	-	-	-
			Chironomidae indet.	1	-	-	-	-	-	-	-	4	-	-
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-
			Chironomus sp.	-	-	-	-	-	-	-	-	8	-	-
			Corynocera sp.	-	1	-	-	-	-	-	-	36	-	-
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-
			Cricotopus/Orthocladius sp. complex	-	-	-	-	-	-	-	-	-	-	-
			Cryptochironomus sp.	-	-	-	-	-	-	-	-	1	-	-
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-
			Dicrotendipes sp.	-	6	17	13	-	24	7	71	-	19	2
			Endochironomu s sp.	1	3	75	102	156	248	113	253	4	183	19
			Glyptotendipes sp.	-	-	-	-	-	-	-	2	-	-	-
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-
			Hydrobaenus sp.	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra/Tanytarsus sp. complex	-	-	-	-	-	-	-	-	4	-	-
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	8	-	-
			Microtendipes sp.	-	4	-	-	-	-	-	1	-	1	-
			Monodiamesa sp.	-	-	-	-	-	-	-	-	-	-	-
			Natarsia sp.	-	-	-	-	-	-	-	-	-	-	-
			Orthocladiinae indet.	-	-	-	-	-	-	-	-	-	-	-
			Pagastiella sp.	-	-	-	-	-	-	-	-	-	-	-
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	1	-
			Paracladius sp.	-	-	-	-	-	-	-	-	-	-	-
			Paratanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-
			Pentaneurini indet.	-	-	-	-	-	-	-	-	-	1	-
			Phaenopsectra sp.	-	-	-	-	-	-	-	-	-	-	-
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-
			Potthastia longimanus group	-	-	-	-	-	-	1	-	-	-	-
			Procladius sp.	-	-	-	-	-	-	-	-	2	-	1
			Protanypus sp.	-	-	-	-	-	-	-	-	-	-	-
			Psectrocladius sp.	-	1	-	-	-	-	-	-	1	1	-
			Pseudochironomus sp.	-	1	-	-	-	-	-	-	-	-	19

Notes:

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Indet. = indeterminate; sp. = species

Lake				Leslie *(cont'd)*	Moose									
Stomach #				20	1	2	3	4	5	6	7	8	9	10
Fish ID				LES24-RDWH-20	MOO24-RDWH-01	MOO24-RDWH-02	MOO24-RDWH-03	MOO24-RDWH-04	MOO24-RDWH-05	MOO24-RDWH-06	MOO24-RDWH-07	MOO24-RDWH-08	MOO24-RDWH-09	MOO24-RDWH-10
Laboratory Sample ID				fs24-226-071	fs24-226-152	fs24-226-153	fs24-226-154	fs24-226-155	fs24-226-156	fs24-226-157	fs24-226-158	fs24-226-159	fs24-226-160	fs24-226-161
Sampling Date				30-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24
Source	MajorGroup	Family	Taxon											
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Stempellinella/Zavrelia* sp. complex	-	-	-	-	-	-	-	-	-	-	-
			Stictochironomus sp.	-	-	-	-	-	-	-	-	-	-	-
			Tanypodinae indet.	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsini indet.	-	-	-	-	-	-	-	-	-	-	-
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-
	Hemiptera	Corixidae	Corixini indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-
	Mollusca	Planorbidae	Planorbidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Sphaeriidae	*Pisidium* sp.	-	-	-	-	-	-	-	-	-	-	-
			Sphaeriidae indet.	-	-	-	-	-	-	-	-	-	-	1
			Sphaerium sp.	-	-	-	-	-	-	-	-	-	-	-
		Valvatidae	*Valvata sincera*	-	-	-	-	-	-	-	-	-	-	-
			Valvata sp.	-	2	-	-	25	-	-	-	-	-	-
			Valvatidae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Bivalvia indet.	4	-	-	-	-	-	-	-	-	-	-
		-	Gastropoda indet.	384	-	-	-	-	-	-	-	-	-	-
		-	Mollusca indet.	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-
	Trichoptera	Apataniidae	*Apatania* sp.	-	-	-	-	-	-	-	-	-	-	-
			Apataniidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Hydroptilidae	Agraylea sp.	-	-	-	-	-	-	-	-	-	-	-
			Hydroptilidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Oxyethira sp.	-	-	-	-	-	-	-	-	-	-	-
		Leptoceridae	*Ceraclea* sp.	-	-	-	-	-	-	-	-	-	-	-
			Leptoceridae indet.	-	-	-	-	-	-	-	-	-	-	-
			Mystacides sp.	1	-	-	-	-	-	-	-	-	-	-
			Nectopsyche sp.	-	-	-	-	-	-	-	-	-	-	-
			Oecetis sp.	-	-	-	1	-	-	-	-	-	-	-
		Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Phryganeidae	*Agrypnia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Phryganea sp.	-	-	-	-	-	-	-	-	-	-	-
			Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-
Fish	-	-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Teleostei indet.	-	-	-	-	-	-	-	-	-	-	-

Notes:
Taxonomic analysis completed by Biologica Environmental Services. Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.
Indet. = indeterminate; sp. = species

Lake				Leslie *(cont'd)*	Moose									
Stomach #				20	1	2	3	4	5	6	7	8	9	10
Fish ID				LES24-RDWH-20	MOO24-RDWH-01	MOO24-RDWH-02	MOO24-RDWH-03	MOO24-RDWH-04	MOO24-RDWH-05	MOO24-RDWH-06	MOO24-RDWH-07	MOO24-RDWH-08	MOO24-RDWH-09	MOO24-RDWH-10
Laboratory Sample ID				fs24-226-071	fs24-226-152	fs24-226-153	fs24-226-154	fs24-226-155	fs24-226-156	fs24-226-157	fs24-226-158	fs24-226-159	fs24-226-160	fs24-226-161
Sampling Date				30-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24
Source	MajorGroup	Family	Taxon											
Empty Stomach	-	-	Stomach empty	-	-	-	-	-	-	-	-	-	-	-
Non-food	Non-Food (Cases, Plant, Pebble, etc.)	-	Chironomid cases	-	-	-	-	-	-	-	-	-	-	-
		-	Fish scale	-	-	-	-	-	-	-	-	-	-	-
		-	Insecta cases	-	-	-	-	-	-	-	-	-	-	-
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-
		-	Sand grains	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-
		-	Wood fragments	-	-	-	-	-	-	-	-	-	-	-
Parasite	Other Organisms	-	Acanthocephala indet	-	-	-	-	-	-	-	-	-	-	-
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Chydoridae	Chydoridae indet.	-	-	-	4	2	2	33	3	-	-	-
			Eurycercus sp.	-	-	-	-	-	-	-	-	-	-	-
		Daphniidae	*Daphnia* sp.	-	1032	2	-	1660	2552	2	3	-	-	3040
			Daphniidae indet.	12	-	-	-	-	-	-	-	-	-	-
			Simocephalus sp.	-	-	-	-	-	1	-	-	-	-	-
		Temoridae	Heterocope septentrionalis	-	-	21	-	-	-	-	-	108	-	-
			Temoridae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Cladocera indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-
Undetermined	Crustacea	-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-
	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-

Notes:

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Indet. = indeterminate; sp. = species

Lake				Moose *(cont'd)*										
Stomach #				11	12	13	14	15	16	17	18	19	20	21
Fish ID				MOO24-RDWH-11	MOO24-RDWH-12	MOO24-RDWH-13	MOO24-RDWH-14	MOO24-RDWH-15	MOO24-RDWH-16	MOO24-RDWH-17	MOO24-RDWH-18	MOO24-RDWH-19	MOO24-RDWH-20	MOO24-RDWH-21
Laboratory Sample ID				fs24-226-012	fs24-226-013	fs24-226-014	fs24-226-015	fs24-226-016	fs24-226-017	fs24-226-018	fs24-226-019	fs24-226-020	fs24-226-021	fs24-226-022
Sampling Date				23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24
Source	MajorGroup	Family	Taxon											
Benthic	Arachnida	Lebertiidae	*Lebertia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Lebertiidae indet.	1	-	-	-	-	-	-	-	-	-	-
		Limnesiidae	*Limnesia* sp.	-	-	-	-	-	-	-	-	-	-	-
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Trombidiformes indet.	-	-	-	-	-	-	-	-	-	-	-
	Coleoptera	Dytiscidae	Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Hydroporini indet.	-	-	-	-	-	-	-	-	-	-	-
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	9	-	-	-	-	-	-	-	-
			Chironomidae indet.	-	4	-	9	-	-	-	-	-	-	24
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-
			Chironomus sp.	-	-	-	-	-	-	1	-	-	2	-
			Corynocera sp.	-	2	-	-	-	-	-	2	-	-	-
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-
			Cricotopus/Orthocladius sp. complex	-	-	-	-	-	-	-	-	-	-	-
			Cryptochironomus sp.	-	-	-	1	-	-	-	-	-	3	-
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-
			Dicrotendipes sp.	-	-	17	-	17	3	3	4	1	1	12
			Endochironomu s sp.	664	110	-	25	213	7	568	48	22	25	101
			Glyptotendipes sp.	-	4	-	-	1	-	1	-	-	-	1
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-
			Hydrobaenus sp.	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra/Tanytarsus sp. complex	8	-	-	3	-	-	-	-	-	1	-
			Microtendipes pedellus group	-	4	-	-	-	-	-	-	-	-	-
			Microtendipes sp.	-	-	-	-	2	-	2	4	-	11	-
			Monodiamesa sp.	-	-	-	-	-	-	-	-	-	-	-
			Natarsia sp.	-	-	-	-	-	-	-	-	-	-	-
			Orthocladiinae indet.	-	-	-	-	-	-	-	-	-	-	-
			Pagastiella sp.	-	-	-	-	-	-	-	-	-	-	-
			Parachironomus sp.	-	-	-	-	1	-	-	-	-	-	-
			Paracladius sp.	-	-	-	-	-	-	-	-	-	-	-
			Paratanytarsus sp.	-	-	-	-	-	-	1	-	-	-	-
			Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-
			Phaenopsectra sp.	-	-	-	1	-	-	-	-	-	-	-
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	1	-
			Potthastia longimanus group	-	-	-	-	-	-	-	1	-	-	-
			Procladius sp.	1	-	-	1	-	-	-	2	-	4	-
			Protanypus sp.	-	-	-	-	-	-	-	-	-	-	-
			Psectrocladius sp.	-	-	-	-	1	-	-	-	-	-	-
			Pseudochironomus sp.	-	36	1	-	-	-	1	100	-	91	-

Notes:

Taxonomic analysis completed by Biologica Environmental Services. Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Indet. = indeterminate; sp. = species

Lake				Moose *(cont'd)*										
Stomach #				11	12	13	14	15	16	17	18	19	20	21
Fish ID				MOO24-RDWH-11	MOO24-RDWH-12	MOO24-RDWH-13	MOO24-RDWH-14	MOO24-RDWH-15	MOO24-RDWH-16	MOO24-RDWH-17	MOO24-RDWH-18	MOO24-RDWH-19	MOO24-RDWH-20	MOO24-RDWH-21
Laboratory Sample ID				fs24-226-012	fs24-226-013	fs24-226-014	fs24-226-015	fs24-226-016	fs24-226-017	fs24-226-018	fs24-226-019	fs24-226-020	fs24-226-021	fs24-226-022
Sampling Date				23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24
Source	MajorGroup	Family	Taxon											
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Stempellinella/Zavrelia* sp. complex	-	-	-	-	-	-	-	-	-	-	-
			Stictochironomus sp.	-	-	-	-	-	-	-	-	-	-	-
			Tanypodinae indet.	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsini indet.	-	-	-	-	-	-	-	-	-	-	-
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-
	Hemiptera	Corixidae	Corixini indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-
	Mollusca	Planorbidae	Planorbidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Sphaeriidae	*Pisidium* sp.	-	-	-	-	-	-	-	-	-	-	-
			Sphaeriidae indet.	-	1	-	-	-	-	2	1	-	110	-
			Sphaerium sp.	-	-	-	-	-	-	-	-	-	-	-
		Valvatidae	*Valvata sincera*	-	-	-	-	-	-	-	-	-	-	-
			Valvata sp.	-	120	-	-	-	2	5	-	-	41	-
			Valvatidae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Bivalvia indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Gastropoda indet.	-	34	-	-	-	-	-	-	-	-	1
		-	Mollusca indet.	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Ceratopogoninae indet.	1	-	-	-	-	-	-	-	-	-	-
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-
	Trichoptera	Apataniidae	*Apatania* sp.	-	-	-	-	-	-	-	-	-	-	-
			Apataniidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Hydroptilidae	Agraylea sp.	-	-	-	-	-	-	-	-	-	-	-
			Hydroptilidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Oxyethira sp.	-	-	-	-	-	-	-	-	-	-	-
		Leptoceridae	*Ceraclea* sp.	-	-	-	-	-	-	-	-	-	-	-
			Leptoceridae indet.	-	-	-	88	-	-	-	-	-	-	-
			Mystacides sp.	1	-	-	84	-	-	5	5	-	-	-
			Nectopsyche sp.	-	-	-	-	-	-	-	-	-	-	-
			Oecetis sp.	-	-	-	-	-	-	2	1	-	-	-
		Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Phryganeidae	*Agrypnia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Phryganea sp.	-	-	-	-	-	-	-	-	-	-	-
			Phryganeidae indet.	-	-	-	-	1	-	3	-	-	-	-
		-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-
Fish	-	-	Actinopterygii indet.	-	-	1	-	-	-	-	-	-	-	-
		-	Teleostei indet.	-	-	-	-	-	-	-	-	-	-	-

Notes:
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Indet. = indeterminate; sp. = species

Lake				Moose *(cont'd)*										
Stomach #				11	12	13	14	15	16	17	18	19	20	21
Fish ID				MOO24-RDWH-11	MOO24-RDWH-12	MOO24-RDWH-13	MOO24-RDWH-14	MOO24-RDWH-15	MOO24-RDWH-16	MOO24-RDWH-17	MOO24-RDWH-18	MOO24-RDWH-19	MOO24-RDWH-20	MOO24-RDWH-21
Laboratory Sample ID				fs24-226-012	fs24-226-013	fs24-226-014	fs24-226-015	fs24-226-016	fs24-226-017	fs24-226-018	fs24-226-019	fs24-226-020	fs24-226-021	fs24-226-022
Sampling Date				23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24
Source	MajorGroup	Family	Taxon											
Empty Stomach	-	-	Stomach empty	-	-	-	-	-	-	-	-	-	-	-
Non-food	Non-Food (Cases, Plant, Pebble, etc.)	-	Chironomid cases	-	-	-	-	-	-	-	-	-	-	-
		-	Fish scale	-	-	-	-	-	-	-	-	-	-	-
		-	Insecta cases	-	-	-	-	-	-	-	-	-	-	-
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-
		-	Sand grains	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-
		-	Wood fragments	-	-	-	-	-	-	-	-	-	-	-
Parasite	Other Organisms	-	Acanthocephala indet	-	-	-	-	-	-	-	-	-	-	-
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Chydoridae	Chydoridae indet.	1	-	-	-	1	-	1	-	-	-	15
			Eurycercus sp.	-	-	-	-	-	-	-	-	-	-	-
		Daphniidae	*Daphnia* sp.	-	-	-	-	1260	1172	609	1188	1126	-	-
			Daphniidae indet.	-	-	-	-	-	-	-	-	-	-	2
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-
		Temoridae	Heterocope septentrionalis	-	-	-	-	-	-	-	-	-	-	-
			Temoridae indet.	-	-	-	-	-	-	-	-	-	-	1
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Cladocera indet.	-	-	-	-	-	-	-	-	-	-	9
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Cyclopoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-
Undetermined	Crustacea	-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-
	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Unidentified egg	-	-	4	4	-	-	-	-	-	-	-

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Lake				Moose *(cont'd)*	Nema									
Stomach #				22	1	2	3	4	5	6	7	8	9	10
Fish ID				MOO24-RDWH-22	NEM24-RDWH-01	NEM24-RDWH-02	NEM24-RDWH-03	NEM24-RDWH-04	NEM24-RDWH-05	NEM24-RDWH-06	NEM24-RDWH-07	NEM24-RDWH-08	NEM24-RDWH-09	NEM24-RDWH-10
Laboratory Sample ID				fs24-226-023	fs24-226-100	fs24-226-101	fs24-226-102	fs24-226-103	fs24-226-104	fs24-226-105	fs24-226-106	fs24-226-107	fs24-226-108	fs24-226-109
Sampling Date				23-Aug-24	est. 28-Aug-24	est. 28-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24
Source	MajorGroup	Family	Taxon											
Benthic	Arachnida	Lebertiidae	*Lebertia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Lebertiidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Limnesiidae	*Limnesia* sp.	-	-	-	-	-	-	-	-	-	-	-
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Trombidiformes indet.	-	-	-	-	-	-	-	-	-	-	-
	Coleoptera	Dytiscidae	Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Hydroporini indet.	-	-	-	-	-	-	-	-	-	-	-
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Chironomidae indet.	-	-	3	-	-	-	-	-	-	-	-
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-
			Chironomus sp.	-	-	348	-	-	-	-	-	-	-	-
			Corynocera sp.	-	-	360	50	-	2	2	-	204	-	101
			Corynoneura sp.	-	-	24	-	-	-	-	-	-	-	-
			Cricotopus/Orthocladius sp. complex	-	-	-	-	-	-	-	-	-	-	-
			Cryptochironomus sp.	-	-	-	2	-	1	1	-	4	-	2
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-
			Dicrotendipes sp.	26	-	-	-	-	-	-	-	-	-	11
			Endochironomu s sp.	166	-	24	-	2	7	-	-	-	-	20
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-
			Hydrobaenus sp.	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra/Tanytarsus sp. complex	-	-	-	6	-	-	-	-	-	-	-
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	-	-	-
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	1
			Monodiamesa sp.	-	-	-	-	-	-	-	-	-	-	-
			Natarsia sp.	-	-	-	-	-	-	-	-	-	-	-
			Orthocladiinae indet.	-	-	-	-	-	-	-	-	-	-	-
			Pagastiella sp.	-	-	-	-	-	-	-	-	4	-	1
			Parachironomus sp.	2	-	-	-	-	-	-	-	-	-	-
			Paracladius sp.	-	-	-	-	-	-	-	-	-	-	-
			Paratanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-
			Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-
			Phaenopsectra sp.	-	-	-	-	-	-	-	-	-	-	-
			Polypedilum sp.	-	-	12	-	-	1	-	-	-	-	-
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-
			Procladius sp.	-	-	12	1	-	-	-	-	-	-	-
			Protanypus sp.	-	-	-	-	-	-	-	-	-	-	-
			Psectrocladius sp.	-	-	-	-	-	-	-	-	-	-	5
			Pseudochironomus sp.	-	-	-	3	-	-	-	-	-	-	1

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Indet. = indeterminate; sp. = species

Lake				Moose *(cont'd)*	Nema										
Stomach #				22	1	2	3	4	5	6	7	8	9	10
Fish ID				MOO24-RDWH-22	NEM24-RDWH-01	NEM24-RDWH-02	NEM24-RDWH-03	NEM24-RDWH-04	NEM24-RDWH-05	NEM24-RDWH-06	NEM24-RDWH-07	NEM24-RDWH-08	NEM24-RDWH-09	NEM24-RDWH-10
Laboratory Sample ID				fs24-226-023	fs24-226-100	fs24-226-101	fs24-226-102	fs24-226-103	fs24-226-104	fs24-226-105	fs24-226-106	fs24-226-107	fs24-226-108	fs24-226-109
Sampling Date				23-Aug-24	est. 28-Aug-24	est. 28-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24
Source	MajorGroup	Family	Taxon											
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Stempellinella/Zavrelia* sp. complex	-	-	-	-	-	-	-	-	-	-	-
			Stictochironomus sp.	-	-	-	-	-	-	-	-	-	-	-
			Tanypodinae indet.	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsini indet.	-	-	-	-	-	-	-	-	-	-	-
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-
	Hemiptera	Corixidae	Corixini indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-
	Mollusca	Planorbidae	Planorbidae indet.	-	96	-	-	14	-	-	-	-	-	-
		Sphaeriidae	*Pisidium* sp.	-	-	-	-	-	-	-	-	-	-	-
			Sphaeriidae indet.	-	-	-	-	-	-	-	-	1	30	-
			Sphaerium sp.	-	-	-	-	-	-	-	-	-	-	-
		Valvatidae	*Valvata sincera*	-	-	-	-	-	-	-	-	-	-	-
			Valvata sp.	-	-	24	13	-	38	64	-	2	-	-
			Valvatidae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Bivalvia indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Gastropoda indet.	-	240	60	12	-	37	100	-	3	-	-
		-	Mollusca indet.	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Diptera indet.	1	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-
			Insecta indet.	-	-	-	-	-	-	-	-	-	-	-
	Trichoptera	Apataniidae	*Apatania* sp.	-	-	-	-	-	-	-	-	-	-	-
			Apataniidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Hydroptilidae	Agraylea sp.	-	-	-	-	-	-	-	-	-	-	-
			Hydroptilidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Oxyethira sp.	-	-	-	-	-	-	-	-	-	-	-
		Leptoceridae	*Ceraclea* sp.	-	-	-	-	-	-	-	-	-	-	-
			Leptoceridae indet.	-	-	-	-	-	-	-	-	1	-	-
			Mystacides sp.	-	-	-	-	-	-	-	-	-	-	-
			Nectopsyche sp.	-	-	-	-	-	-	-	-	-	-	-
			Oecetis sp.	-	-	-	-	-	-	-	-	-	-	-
		Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Phryganeidae	*Agrypnia* sp.	-	-	-	-	-	6	-	-	-	-	-
			Phryganea sp.	-	-	-	-	-	-	-	-	-	-	-
			Phryganeidae indet.	-	-	-	-	2	-	30	-	1	-	-
		-	Trichoptera indet.	-	-	-	2	-	12	9	-	-	-	-
Fish	-	-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Teleostei indet.	-	-	-	-	-	-	-	-	-	-	-

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Indet. = indeterminate; sp. = species

Lake				Moose *(cont'd)*	Nema									
Stomach #				22	1	2	3	4	5	6	7	8	9	10
Fish ID				MOO24-RDWH-22	NEM24-RDWH-01	NEM24-RDWH-02	NEM24-RDWH-03	NEM24-RDWH-04	NEM24-RDWH-05	NEM24-RDWH-06	NEM24-RDWH-07	NEM24-RDWH-08	NEM24-RDWH-09	NEM24-RDWH-10
Laboratory Sample ID				fs24-226-023	fs24-226-100	fs24-226-101	fs24-226-102	fs24-226-103	fs24-226-104	fs24-226-105	fs24-226-106	fs24-226-107	fs24-226-108	fs24-226-109
Sampling Date				23-Aug-24	est. 28-Aug-24	est. 28-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24
Source	MajorGroup	Family	Taxon											
Empty Stomach	-	-	Stomach empty	-	-	-	-	-	-	-	-	-	-	-
Non-food	Non-Food (Cases, Plant, Pebble, etc.)	-	Chironomid cases	-	-	-	-	-	-	-	-	-	-	-
		-	Fish scale	-	-	-	-	-	-	-	-	-	-	-
		-	Insecta cases	-	-	-	-	-	-	-	-	-	-	-
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-
		-	Sand grains	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-
		-	Wood fragments	-	-	-	-	-	-	-	-	-	-	-
Parasite	Other Organisms	-	Acanthocephala indet	-	-	-	-	-	-	-	-	-	-	-
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Chydoridae	Chydoridae indet.	1	-	-	-	-	-	-	-	-	-	-
			Eurycercus sp.	-	-	-	-	-	-	-	-	-	-	-
		Daphniidae	*Daphnia* sp.	-	-	-	496	688	-	-	3712	864	-	-
			Daphniidae indet.	1	-	-	-	-	-	4	-	784	32	2592
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-
		Temoridae	Heterocope septentrionalis	-	-	-	-	-	-	-	-	-	-	-
			Temoridae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Cladocera indet.	2	-	-	320	560	-	-	3040	1152	14	2144
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-
Undetermined	Crustacea	-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-
	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-

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Indet. = indeterminate; sp. = species

Lake				Nema *(cont'd)*										Slipper
Stomach #				11	12	13	14	15	16	17	18	19	20	1
Fish ID				NEM24-RDWH-11	NEM24-RDWH-12	NEM24-RDWH-13	NEM24-RDWH-14	NEM24-RDWH-15	NEM24-RDWH-16	NEM24-RDWH-17	NEM24-RDWH-18	NEM24-RDWH-19	NEM24-RDWH-20	SLP24-RDWH-01
Laboratory Sample ID				fs24-226-110	fs24-226-111	fs24-226-112	fs24-226-113	fs24-226-114	fs24-226-115	fs24-226-116	fs24-226-117	fs24-226-118	fs24-226-119	fs24-226-173
Sampling Date				29-Aug-24	29-Aug-24	29-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24	16-Aug-24
Source	MajorGroup	Family	Taxon											
Benthic	Arachnida	Lebertiidae	*Lebertia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Lebertiidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Limnesiidae	*Limnesia* sp.	-	-	-	-	-	-	-	-	-	-	-
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Trombidiformes indet.	-	-	-	-	-	-	-	-	-	-	-
	Coleoptera	Dytiscidae	Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Hydroporini indet.	-	-	-	-	-	-	-	-	-	-	-
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	-	-	-	1	-	-	-	-	-
			Chironomidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-
			Chironomus sp.	-	-	-	-	-	-	-	-	-	-	-
			Corynocera sp.	-	-	1	2	3	-	5	-	-	-	1
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-
			Cricotopus/Orthocladius sp. complex	-	-	-	-	-	-	-	-	-	-	-
			Cryptochironomus sp.	-	-	-	-	-	-	-	-	-	-	-
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-
			Dicrotendipes sp.	-	-	1	-	1	4	-	-	-	4	-
			Endochironomu s sp.	-	1	-	1	-	8	-	1	11	8	-
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-
			Hydrobaenus sp.	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra/Tanytarsus sp. complex	-	-	-	-	-	-	-	-	-	-	4
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	-	-	-
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-
			Monodiamesa sp.	-	-	-	-	-	-	-	-	-	-	-
			Natarsia sp.	-	-	-	-	-	-	-	-	-	-	-
			Orthocladiinae indet.	-	-	-	-	-	-	-	-	-	-	-
			Pagastiella sp.	-	-	-	-	-	-	-	-	-	-	-
			Parachironomus sp.	-	-	-	-	-	1	-	-	-	-	-
			Paracladius sp.	-	-	-	-	-	-	-	-	-	-	-
			Paratanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-
			Pentaneurini indet.	-	-	-	-	-	-	-	1	-	-	-
			Phaenopsectra sp.	-	-	-	-	-	-	-	-	-	-	-
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-
			Potthastia longimanus group	-	-	-	-	-	-	-	-	1	-	-
			Procladius sp.	-	-	-	-	-	-	-	-	-	-	1
			Protanypus sp.	-	-	-	-	-	-	-	-	-	-	-
			Psectrocladius sp.	-	-	-	-	-	-	-	-	-	-	-
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-

Notes:
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Indet. = indeterminate; sp. = species

Lake				Nema *(cont'd)*										Slipper
Stomach #				11	12	13	14	15	16	17	18	19	20	1
Fish ID				NEM24-RDWH-11	NEM24-RDWH-12	NEM24-RDWH-13	NEM24-RDWH-14	NEM24-RDWH-15	NEM24-RDWH-16	NEM24-RDWH-17	NEM24-RDWH-18	NEM24-RDWH-19	NEM24-RDWH-20	SLP24-RDWH-01
Laboratory Sample ID				fs24-226-110	fs24-226-111	fs24-226-112	fs24-226-113	fs24-226-114	fs24-226-115	fs24-226-116	fs24-226-117	fs24-226-118	fs24-226-119	fs24-226-173
Sampling Date				29-Aug-24	29-Aug-24	29-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24	16-Aug-24
Source	MajorGroup	Family	Taxon											
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Stempellinella/Zavrelia* sp. complex	-	-	-	-	-	-	-	-	-	-	-
			Stictochironomus sp.	-	-	-	-	-	-	-	-	-	-	-
			Tanypodinae indet.	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsini indet.	-	-	-	-	-	-	-	-	-	-	-
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-
	Hemiptera	Corixidae	Corixini indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-
	Mollusca	Planorbidae	Planorbidae indet.	-	-	-	-	5	3	6	-	2	-	-
		Sphaeriidae	*Pisidium* sp.	-	-	-	-	-	-	-	-	-	-	-
			Sphaeriidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Sphaerium sp.	-	-	-	-	-	-	-	-	-	-	-
		Valvatidae	*Valvata sincera*	-	-	-	-	35	-	1	-	-	-	-
			Valvata sp.	-	540	432	2	-	-	-	-	-	-	-
			Valvatidae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Bivalvia indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Gastropoda indet.	-	-	-	-	-	-	1	-	-	-	-
		-	Mollusca indet.	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	1
	Other Insecta	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-
			Insecta indet.	-	-	-	-	-	-	-	-	-	-	-
	Trichoptera	Apataniidae	*Apatania* sp.	-	-	-	-	-	-	-	-	-	-	-
			Apataniidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Hydroptilidae	Agraylea sp.	-	-	-	-	-	-	-	-	-	-	-
			Hydroptilidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Oxyethira sp.	-	-	-	-	-	-	-	-	-	-	-
		Leptoceridae	*Ceraclea* sp.	-	-	2	-	1	-	-	2	-	-	-
			Leptoceridae indet.	-	-	-	-	-	-	-	-	-	-	-
			Mystacides sp.	-	-	-	-	-	1	-	-	-	-	-
			Nectopsyche sp.	-	-	-	-	-	-	-	-	-	-	-
			Oecetis sp.	-	-	-	-	-	-	-	-	-	-	-
		Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Phryganeidae	*Agrypnia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Phryganea sp.	-	-	-	-	-	-	-	-	-	-	-
			Phryganeidae indet.	-	-	-	-	-	1	-	-	-	-	-
		-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-
Fish	-	-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Teleostei indet.	-	-	-	-	-	-	-	-	-	-	-

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Indet. = indeterminate; sp. = species

Lake				Nema *(cont'd)*										Slipper
Stomach #				11	12	13	14	15	16	17	18	19	20	1
Fish ID				NEM24-RDWH-11	NEM24-RDWH-12	NEM24-RDWH-13	NEM24-RDWH-14	NEM24-RDWH-15	NEM24-RDWH-16	NEM24-RDWH-17	NEM24-RDWH-18	NEM24-RDWH-19	NEM24-RDWH-20	SLP24-RDWH-01
Laboratory Sample ID				fs24-226-110	fs24-226-111	fs24-226-112	fs24-226-113	fs24-226-114	fs24-226-115	fs24-226-116	fs24-226-117	fs24-226-118	fs24-226-119	fs24-226-173
Sampling Date				29-Aug-24	29-Aug-24	29-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24	16-Aug-24
Source	MajorGroup	Family	Taxon											
Empty Stomach	-	-	Stomach empty	-	-	-	-	-	-	-	-	-	-	-
Non-food	Non-Food (Cases, Plant, Pebble, etc.)	-	Chironomid cases	-	-	-	-	-	-	-	-	-	-	-
		-	Fish scale	-	-	-	-	-	-	-	-	-	-	-
		-	Insecta cases	-	-	-	-	-	-	-	-	-	-	-
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-
		-	Sand grains	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-
		-	Wood fragments	-	-	-	-	-	-	-	-	-	-	-
Parasite	Other Organisms	-	Acanthocephala indet	-	-	-	-	-	-	-	-	-	-	-
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Chydoridae	Chydoridae indet.	-	-	-	-	-	-	-	-	-	-	-
			Eurycercus sp.	-	-	-	-	-	-	-	-	-	-	-
		Daphniidae	*Daphnia* sp.	898	-	6	-	-	-	-	-	-	-	-
			Daphniidae indet.	-	-	-	456	-	360	2862	1408	1024	2800	-
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-
		Temoridae	Heterocope septentrionalis	-	-	-	-	-	-	-	-	-	-	-
			Temoridae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Cladocera indet.	-	-	-	712	-	-	-	-	-	-	416
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	7
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-
Undetermined	Crustacea	-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-
	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-

Notes:

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Indet. = indeterminate; sp. = species

Lake				Slipper *(cont'd)*										
Stomach #				2	3	4	5	6	7	8	9	10	11	12
Fish ID				SLP24-RDWH-02	SLP24-RDWH-03	SLP24-RDWH-04	SLP24-RDWH-05	SLP24-RDWH-06	SLP24-RDWH-07	SLP24-RDWH-08	SLP24-RDWH-09	SLP24-RDWH-10	SLP24-RDWH-11	SLP24-RDWH-12
Laboratory Sample ID				fs24-226-174	fs24-226-175	fs24-226-176	fs24-226-177	fs24-226-178	fs24-226-179	fs24-226-180	fs24-226-181	fs24-226-182	fs24-226-183	fs24-226-184
Sampling Date				16-Aug-24	16-Aug-24	16-Aug-24	16-Aug-24	16-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24
Source	MajorGroup	Family	Taxon											
Benthic	Arachnida	Lebertiidae	*Lebertia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Lebertiidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Limnesiidae	*Limnesia* sp.	-	-	-	-	-	-	1	-	-	-	-
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Trombidiformes indet.	-	-	-	-	-	-	-	-	-	-	-
	Coleoptera	Dytiscidae	Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Hydroporini indet.	-	-	-	-	-	-	-	-	-	-	-
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Ostracoda indet.	-	-	3	-	-	4	-	-	-	-	-
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	-	-	-	1	-	-	-	-	1
			Chironomidae indet.	-	-	-	48	12	2	-	-	-	-	-
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-
			Chironomus sp.	-	-	-	-	-	1	-	-	-	-	-
			Corynocera sp.	-	-	-	-	-	1	-	-	-	-	-
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-
			Cricotopus/Orthocladius sp. complex	-	-	-	-	-	-	-	-	-	-	-
			Cryptochironomus sp.	-	-	-	-	-	-	-	-	-	-	-
			Cyphomella sp.	-	-	-	12	6	-	-	-	-	-	-
			Dicrotendipes sp.	-	1	-	-	6	2	1	1	-	-	-
			Endochironomu s sp.	-	-	-	-	-	-	-	6	-	-	-
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius marcidus	-	-	-	60	-	-	3	-	4	-	2
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-
			Hydrobaenus sp.	-	-	-	-	-	2	-	-	-	-	-
			Micropsectra/Tanytarsus sp. complex	-	-	522	780	114	8	4	-	-	-	9
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	-	-	-
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-
			Monodiamesa sp.	-	-	-	-	6	-	-	-	-	-	-
			Natarsia sp.	-	-	-	-	-	-	-	-	-	-	-
			Orthocladiinae indet.	-	-	-	-	-	-	-	-	-	-	-
			Pagastiella sp.	-	-	-	-	-	-	-	-	-	-	-
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	-
			Paracladius sp.	-	-	-	-	-	-	-	-	-	-	-
			Paratanytarsus sp.	-	-	-	-	-	1	-	-	1	-	-
			Pentaneurini indet.	-	-	-	-	-	-	-	-	-	-	-
			Phaenopsectra sp.	-	-	-	-	-	-	-	-	-	-	-
			Polypedilum sp.	-	-	-	-	-	-	-	-	-	-	-
			Potthastia longimanus group	-	-	-	-	6	-	1	-	-	-	1
			Procladius sp.	-	-	-	12	-	-	1	-	3	-	1
			Protanypus sp.	-	-	-	-	-	-	-	-	-	-	-
			Psectrocladius sp.	-	-	-	-	-	1	-	-	-	-	-
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-

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Indet. = indeterminate; sp. = species

Lake				Slipper *(cont'd)*									
Stomach #				2	3	4	5	6	7	8	9	10	11	12
Fish ID				SLP24-RDWH-02	SLP24-RDWH-03	SLP24-RDWH-04	SLP24-RDWH-05	SLP24-RDWH-06	SLP24-RDWH-07	SLP24-RDWH-08	SLP24-RDWH-09	SLP24-RDWH-10	SLP24-RDWH-11	SLP24-RDWH-12
Laboratory Sample ID				fs24-226-174	fs24-226-175	fs24-226-176	fs24-226-177	fs24-226-178	fs24-226-179	fs24-226-180	fs24-226-181	fs24-226-182	fs24-226-183	fs24-226-184
Sampling Date				16-Aug-24	16-Aug-24	16-Aug-24	16-Aug-24	16-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24
Source	MajorGroup	Family	Taxon											
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Stempellinella/Zavrelia* sp. complex	-	-	-	-	-	2	-	-	-	-	-
			Stictochironomus sp.	-	-	-	12	60	1	6	-	1	-	1
			Tanypodinae indet.	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsini indet.	-	-	414	312	102	-	-	-	-	-	-
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-
	Hemiptera	Corixidae	Corixini indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-
	Mollusca	Planorbidae	Planorbidae indet.	-	1	-	1	-	-	-	8	-	-	-
		Sphaeriidae	*Pisidium* sp.	-	-	-	16	-	-	-	-	-	-	-
			Sphaeriidae indet.	-	-	-	-	-	-	-	-	2	-	-
			Sphaerium sp.	-	-	-	-	-	-	-	-	-	-	-
		Valvatidae	*Valvata sincera*	-	-	-	-	-	-	-	-	-	-	-
			Valvata sp.	-	-	3	-	-	-	-	-	-	-	-
			Valvatidae indet.	-	-	-	-	-	-	-	-	-	-	1
		-	Bivalvia indet.	-	-	-	1	-	-	-	-	-	-	-
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Mollusca indet.	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Diptera indet.	-	-	360	144	18	123	9	1	-	-	12
	Other Insecta	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-
			Insecta indet.	-	-	-	-	-	-	-	-	-	-	-
	Trichoptera	Apataniidae	*Apatania* sp.	-	-	-	-	-	-	-	-	-	-	-
			Apataniidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Hydroptilidae	Agraylea sp.	-	-	-	-	-	-	-	-	-	-	-
			Hydroptilidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Oxyethira sp.	-	-	-	-	-	-	-	-	-	-	-
		Leptoceridae	*Ceraclea* sp.	-	-	-	-	-	-	-	-	-	-	-
			Leptoceridae indet.	-	-	-	-	-	-	-	-	-	-	-
			Mystacides sp.	-	-	-	-	-	-	-	-	-	-	-
			Nectopsyche sp.	-	-	-	-	-	-	-	-	-	-	-
			Oecetis sp.	-	-	-	-	-	-	-	-	-	-	-
		Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Phryganeidae	*Agrypnia* sp.	-	-	-	-	-	-	4	-	-	-	-
			Phryganea sp.	-	-	-	-	-	-	-	-	-	-	-
			Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-
Fish	-	-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Teleostei indet.	-	-	-	-	-	-	-	-	-	-	-

Notes:
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Indet. = indeterminate; sp. = species

Lake				Slipper *(cont'd)*										
Stomach #				2	3	4	5	6	7	8	9	10	11	12
Fish ID				SLP24-RDWH-02	SLP24-RDWH-03	SLP24-RDWH-04	SLP24-RDWH-05	SLP24-RDWH-06	SLP24-RDWH-07	SLP24-RDWH-08	SLP24-RDWH-09	SLP24-RDWH-10	SLP24-RDWH-11	SLP24-RDWH-12
Laboratory Sample ID				fs24-226-174	fs24-226-175	fs24-226-176	fs24-226-177	fs24-226-178	fs24-226-179	fs24-226-180	fs24-226-181	fs24-226-182	fs24-226-183	fs24-226-184
Sampling Date				16-Aug-24	16-Aug-24	16-Aug-24	16-Aug-24	16-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24
Source	MajorGroup	Family	Taxon											
Empty Stomach	-	-	Stomach empty	-	-	-	-	-	-	-	-	-	-	-
Non-food	Non-Food (Cases, Plant, Pebble, etc.)	-	Chironomid cases	-	-	-	-	-	-	-	-	-	-	-
		-	Fish scale	-	-	-	-	-	-	-	-	-	-	-
		-	Insecta cases	-	-	-	-	-	-	-	-	-	-	-
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-
		-	Sand grains	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-
		-	Wood fragments	-	-	-	-	-	-	-	-	-	-	-
Parasite	Other Organisms	-	Acanthocephala indet	-	-	-	-	-	-	-	-	-	-	-
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	5	-	-	-	-	19	63	-	-	3
		Chydoridae	Chydoridae indet.	-	-	-	-	-	-	-	-	-	-	-
			Eurycercus sp.	-	-	-	-	-	-	-	-	-	-	-
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Daphniidae indet.	-	364	-	-	-	-	1112	432	296	-	67
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-
		Temoridae	Heterocope septentrionalis	-	-	76	30	26	-	3	-	-	-	17
			Temoridae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Calanoida indet.	-	-	144	-	-	-	-	-	-	-	-
		-	Cladocera indet.	93	-	-	-	-	-	-	-	388	-	-
		-	Copepoda indet.	-	-	-	-	-	28	-	-	-	-	-
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-
Undetermined	Crustacea	-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-
	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-

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Indet. = indeterminate; sp. = species

Lake				Slipper *(cont'd)*								Cujo		
Stomach #				13	14	15	16	17	18	19	20	1	2	3
Fish ID				SLP24-RDWH-13	SLP24-RDWH-14	SLP24-RDWH-15	SLP24-RDWH-16	SLP24-RDWH-17	SLP24-RDWH-18	SLP24-RDWH-19	SLP24-RDWH-20	CUJ24-RDWH-01	CUJ24-RDWH-02	CUJ24-RDWH-03
Laboratory Sample ID				fs24-226-185	fs24-226-186	fs24-226-187	fs24-226-188	fs24-226-189	fs24-226-190	fs24-226-191	fs24-226-192	fs24-226-024	fs24-226-025	fs24-226-026
Sampling Date				17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	18-Aug-24	18-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24
Source	MajorGroup	Family	Taxon											
Benthic	Arachnida	Lebertiidae	*Lebertia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Lebertiidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Limnesiidae	*Limnesia* sp.	-	-	-	-	-	-	-	-	-	-	-
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Trombidiformes indet.	-	-	-	-	-	-	-	-	-	-	-
	Coleoptera	Dytiscidae	Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Hydroporini indet.	-	-	-	-	-	-	-	-	-	-	-
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Chironomidae indet.	10	-	-	-	-	-	59	-	5	-	5
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-
			Chironomini indet.	-	-	-	-	-	-	-	-	-	-	-
			Chironomus sp.	-	-	-	-	-	-	-	-	-	-	1
			Corynocera sp.	-	-	-	-	-	-	-	-	-	-	-
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-
			Cricotopus/Orthocladius sp. complex	-	-	-	-	-	-	-	-	-	-	-
			Cryptochironomus sp.	-	-	-	-	-	-	-	-	-	-	7
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-
			Dicrotendipes sp.	-	-	-	-	-	-	-	-	1	15	1
			Endochironomu s sp.	-	1	-	-	-	-	-	1	146	236	47
			Glyptotendipes sp.	-	-	-	-	-	-	-	-	1	-	-
			Heterotrissocladius marcidus	9	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-
			Hydrobaenus sp.	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra/Tanytarsus sp. complex	-	-	-	-	-	-	11	-	-	-	-
			Microtendipes pedellus group	-	-	-	-	-	-	-	-	-	1	-
			Microtendipes sp.	-	-	-	-	-	-	-	-	-	-	-
			Monodiamesa sp.	18	-	-	-	-	-	5	-	-	-	-
			Natarsia sp.	-	-	-	-	-	-	-	-	-	1	-
			Orthocladiinae indet.	-	-	-	-	-	-	-	-	-	-	-
			Pagastiella sp.	-	-	-	-	-	-	-	-	-	-	-
			Parachironomus sp.	-	-	-	-	-	-	-	-	-	-	1
			Paracladius sp.	-	-	-	-	-	-	-	-	-	-	-
			Paratanytarsus sp.	-	-	-	-	-	-	-	-	-	-	-
			Pentaneurini indet.	-	-	-	-	-	-	-	-	-	8	-
			Phaenopsectra sp.	-	-	-	-	-	-	-	-	-	-	-
			Polypedilum sp.	-	-	-	-	-	-	1	-	-	-	-
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-
			Procladius sp.	18	-	-	-	-	-	4	-	-	-	-
			Protanypus sp.	252	-	-	-	-	-	22	-	-	-	-
			Psectrocladius sp.	-	-	-	-	-	-	-	-	-	-	-
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-

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Indet. = indeterminate; sp. = species

Lake				Slipper *(cont'd)*								Cujo		
Stomach #				13	14	15	16	17	18	19	20	1	2	3
Fish ID				SLP24-RDWH-13	SLP24-RDWH-14	SLP24-RDWH-15	SLP24-RDWH-16	SLP24-RDWH-17	SLP24-RDWH-18	SLP24-RDWH-19	SLP24-RDWH-20	CUJ24-RDWH-01	CUJ24-RDWH-02	CUJ24-RDWH-03
Laboratory Sample ID				fs24-226-185	fs24-226-186	fs24-226-187	fs24-226-188	fs24-226-189	fs24-226-190	fs24-226-191	fs24-226-192	fs24-226-024	fs24-226-025	fs24-226-026
Sampling Date				17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	18-Aug-24	18-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24
Source	MajorGroup	Family	Taxon											
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Stempellinella/Zavrelia* sp. complex	-	-	-	-	-	-	-	-	-	-	-
			Stictochironomus sp.	9	-	-	-	-	-	1	-	-	-	-
			Tanypodinae indet.	-	-	-	-	-	-	-	-	-	-	-
			Tanytarsini indet.	-	-	-	-	-	-	-	-	-	-	-
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-
	Hemiptera	Corixidae	Corixini indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-
	Mollusca	Planorbidae	Planorbidae indet.	2	-	-	-	-	-	-	-	-	-	-
		Sphaeriidae	*Pisidium* sp.	-	-	-	-	-	-	-	-	-	-	-
			Sphaeriidae indet.	2	-	-	-	-	-	-	-	-	-	-
			Sphaerium sp.	-	-	-	-	-	-	-	-	-	-	-
		Valvatidae	*Valvata sincera*	-	-	-	-	-	-	-	-	-	-	-
			Valvata sp.	-	-	-	-	-	-	1	1	-	-	-
			Valvatidae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Bivalvia indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Mollusca indet.	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Diptera indet.	-	-	1	-	1	-	-	-	-	-	-
	Other Insecta	-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-
			Insecta indet.	-	-	-	-	-	-	-	-	-	-	-
	Trichoptera	Apataniidae	*Apatania* sp.	-	-	-	-	-	-	-	-	-	-	-
			Apataniidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Hydroptilidae	Agraylea sp.	-	-	-	-	-	-	-	-	-	-	-
			Hydroptilidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Oxyethira sp.	-	-	-	-	-	-	-	-	-	-	-
		Leptoceridae	*Ceraclea* sp.	-	-	-	-	-	-	-	1	-	-	-
			Leptoceridae indet.	-	-	-	-	-	-	-	-	-	-	-
			Mystacides sp.	-	-	-	-	-	-	-	-	-	-	-
			Nectopsyche sp.	-	-	-	-	-	-	-	-	-	-	-
			Oecetis sp.	-	-	-	-	-	-	-	-	-	-	-
		Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Phryganeidae	*Agrypnia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Phryganea sp.	-	-	-	-	-	-	-	-	-	-	-
			Phryganeidae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera indet.	-	-	-	-	-	-	-	-	-	-	-
Fish	-	-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Teleostei indet.	-	-	-	-	-	-	-	-	-	-	-

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Indet. = indeterminate; sp. = species

Lake				Slipper *(cont'd)*								Cujo		
Stomach #				13	14	15	16	17	18	19	20	1	2	3
Fish ID				SLP24-RDWH-13	SLP24-RDWH-14	SLP24-RDWH-15	SLP24-RDWH-16	SLP24-RDWH-17	SLP24-RDWH-18	SLP24-RDWH-19	SLP24-RDWH-20	CUJ24-RDWH-01	CUJ24-RDWH-02	CUJ24-RDWH-03
Laboratory Sample ID				fs24-226-185	fs24-226-186	fs24-226-187	fs24-226-188	fs24-226-189	fs24-226-190	fs24-226-191	fs24-226-192	fs24-226-024	fs24-226-025	fs24-226-026
Sampling Date				17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	18-Aug-24	18-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24
Source	MajorGroup	Family	Taxon											
Empty Stomach	-	-	Stomach empty	-	-	-	-	-	-	-	-	-	-	-
Non-food	Non-Food (Cases, Plant, Pebble, etc.)	-	Chironomid cases	-	-	-	-	-	-	-	-	-	-	-
		-	Fish scale	-	-	-	-	-	-	-	-	-	-	-
		-	Insecta cases	-	-	-	-	-	-	-	-	-	-	-
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-
		-	Sand grains	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-
		-	Wood fragments	-	-	-	-	-	-	-	-	-	-	-
Parasite	Other Organisms	-	Acanthocephala indet	-	-	-	-	-	-	-	-	-	-	-
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	608	24	328	163	35	-	-	-	-	-
		Chydoridae	Chydoridae indet.	-	-	-	-	-	-	-	-	-	-	1
			Eurycercus sp.	-	-	-	-	-	-	-	-	-	-	-
		Daphniidae	*Daphnia* sp.	-	80	104	-	1668	1548	-	-	-	-	-
			Daphniidae indet.	-	240	848	1896	-	-	-	-	-	-	-
			Simocephalus sp.	-	-	-	-	-	-	-	-	-	-	-
		Temoridae	Heterocope septentrionalis	-	-	-	-	-	-	3	-	-	-	-
			Temoridae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Cladocera indet.	-	1072	392	-	-	-	-	-	-	-	-
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-
Undetermined	Crustacea	-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-
	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-

Notes:

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Indet. = indeterminate; sp. = species

Lake				Cujo *(cont'd)*										
Stomach #				**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**
Fish ID				**CUJ24-RDWH-04**	**CUJ24-RDWH-05**	**CUJ24-RDWH-06**	**CUJ24-RDWH-07**	**CUJ24-RDWH-08**	**CUJ24-RDWH-09**	**CUJ24-RDWH-10**	**CUJ24-RDWH-11**	**CUJ24-RDWH-12**	**CUJ24-RDWH-13**	**CUJ24-RDWH-14**
Laboratory Sample ID				**fs24-226-027**	**fs24-226-028**	**fs24-226-029**	**fs24-226-030**	**fs24-226-031**	**fs24-226-032**	**fs24-226-033**	**fs24-226-034**	**fs24-226-035**	**fs24-226-036**	**fs24-226-037**
Sampling Date				**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**
Source	**MajorGroup**	**Family**	**Taxon**											
Benthic	Arachnida	Lebertiidae	*Lebertia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Lebertiidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Limnesiidae	*Limnesia* sp.	-	-	-	-	-	-	-	-	-	-	-
		-	Oribatida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Trombidiformes indet.	-	-	-	-	-	-	-	-	-	-	-
	Coleoptera	Dytiscidae	Dytiscidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Hydroporini indet.	-	-	-	-	-	-	-	-	-	-	-
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Ostracoda indet.	-	-	-	-	-	-	-	-	-	-	-
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	2	-	12	1	-	9	-	-	-
			Chironomidae indet.	32	-	-	-	-	-	-	-	-	-	-
			Chironominae indet.	-	-	-	-	-	-	-	-	-	-	-
			Chironomini indet.	-	-	-	-	12	-	-	-	-	-	-
			Chironomus sp.	28	9	13	-	744	-	-	81	5	-	-
			Corynocera sp.	20	-	-	1	-	1	1	1	-	-	-
			Corynoneura sp.	-	-	-	-	-	-	-	-	-	-	-
			Cricotopus/Orthocladius sp. complex	-	-	-	1	-	-	-	-	-	-	1
			Cryptochironomus sp.	4	1	1	-	-	-	-	-	1	-	-
			Cyphomella sp.	-	-	-	-	-	-	-	-	-	-	-
			Dicrotendipes sp.	4	16	4	3	6	-	2	19	3	-	4
			Endochironomu s sp.	892	418	228	34	216	677	405	684	11	412	61
			Glyptotendipes sp.	-	-	1	-	-	-	-	-	-	-	-
			Heterotrissocladius marcidus	-	-	-	-	-	-	-	-	-	-	-
			Heterotrissocladius sp.	-	-	-	-	-	-	-	-	-	-	-
			Hydrobaenus sp.	-	-	-	-	-	-	-	-	-	-	-
			Micropsectra/Tanytarsus sp. complex	8	-	-	-	-	-	1	9	-	-	1
			Microtendipes pedellus group	16	24	-	-	60	1	-	36	-	-	-
			Microtendipes sp.	-	-	-	-	-	-	5	-	1	-	-
			Monodiamesa sp.	-	-	-	-	-	-	-	-	-	-	-
			Natarsia sp.	-	-	1	-	-	-	-	-	-	-	-
			Orthocladiinae indet.	-	-	-	-	-	-	-	-	1	-	-
			Pagastiella sp.	-	-	-	-	-	-	-	-	-	-	-
			Parachironomus sp.	-	1	4	-	-	-	-	-	-	-	-
			Paracladius sp.	-	-	-	-	-	-	-	-	-	-	-
			Paratanytarsus sp.	-	-	-	-	-	-	-	-	5	-	-
			Pentaneurini indet.	-	-	-	-	-	-	-	-	2	-	-
			Phaenopsectra sp.	-	-	-	-	-	-	-	-	-	-	-
			Polypedilum sp.	-	-	-	-	1	-	-	-	-	-	-
			Potthastia longimanus group	-	-	-	-	-	-	-	-	-	-	-
			Procladius sp.	-	-	-	-	14	1	9	18	-	2	-
			Protanypus sp.	-	-	-	-	-	-	-	-	-	-	-
			Psectrocladius sp.	-	-	-	-	-	8	-	-	-	-	-
			Pseudochironomus sp.	-	-	-	-	-	-	-	-	-	-	-

Notes:

Taxonomic analysis completed by Biologica Environmental Services. Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Indet. = indeterminate; sp. = species

Lake				Cujo *(cont'd)*									
Stomach #				**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**
Fish ID				**CUJ24-RDWH-04**	**CUJ24-RDWH-05**	**CUJ24-RDWH-06**	**CUJ24-RDWH-07**	**CUJ24-RDWH-08**	**CUJ24-RDWH-09**	**CUJ24-RDWH-10**	**CUJ24-RDWH-11**	**CUJ24-RDWH-12**	**CUJ24-RDWH-13**	**CUJ24-RDWH-14**
Laboratory Sample ID				**fs24-226-027**	**fs24-226-028**	**fs24-226-029**	**fs24-226-030**	**fs24-226-031**	**fs24-226-032**	**fs24-226-033**	**fs24-226-034**	**fs24-226-035**	**fs24-226-036**	**fs24-226-037**
Sampling Date				**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**
Source	**MajorGroup**	**Family**	**Taxon**											
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Stempellinella/Zavrelia* sp. complex	-	-	-	-	-	-	-	-	-	-	-
			Stictochironomus sp.	-	-	-	-	-	-	-	-	-	-	-
			Tanypodinae indet.	24	1	-	-	-	-	-	-	-	-	-
			Tanytarsini indet.	-	-	-	-	-	-	-	-	-	-	-
			Zalutschia sp.	-	-	-	-	-	-	-	-	-	-	-
	Hemiptera	Corixidae	Corixini indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Hemiptera indet.	-	-	-	-	-	-	-	-	-	-	-
	Mollusca	Planorbidae	Planorbidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Sphaeriidae	*Pisidium* sp.	-	-	-	-	-	-	-	-	-	-	-
			Sphaeriidae indet.	-	-	-	-	1	-	-	-	-	-	-
			Sphaerium sp.	-	-	-	-	-	-	-	-	-	-	-
		Valvatidae	*Valvata sincera*	-	-	-	-	-	-	-	-	-	-	-
			Valvata sp.	-	-	-	-	-	-	-	1	-	-	-
			Valvatidae indet.	-	-	-	-	-	-	-	9	-	-	-
		-	Bivalvia indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Gastropoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Mollusca indet.	-	-	-	-	-	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Ceratopogoninae indet.	-	-	-	-	-	-	-	-	-	-	-
			Dasyhelea sp.	-	-	-	-	-	-	-	-	-	-	-
		Empididae	Empididae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Diptera indet.	-	-	-	-	-	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-	-	-	-	-	-
	Trichoptera	Apataniidae	*Apatania* sp.	-	-	-	-	-	-	-	-	-	-	-
			Apataniidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Hydroptilidae	Agraylea sp.	-	-	-	-	-	-	-	-	-	-	-
			Hydroptilidae indet.	-	-	-	-	-	-	-	-	-	-	-
			Oxyethira sp.	-	-	-	-	-	-	-	-	-	-	-
		Leptoceridae	*Ceraclea* sp.	-	-	-	-	-	-	-	-	-	-	-
			Leptoceridae indet.	-	-	-	-	-	-	-	-	-	-	-
			Mystacides sp.	-	-	-	-	-	-	63	-	-	-	-
			Nectopsyche sp.	-	-	-	-	-	-	-	-	-	-	-
			Oecetis sp.	-	-	-	-	-	-	-	-	-	-	-
		Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Phryganeidae	*Agrypnia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Phryganea sp.	-	-	-	-	-	-	18	-	-	-	-
			Phryganeidae indet.	-	-	-	-	-	-	-	1	-	-	-
		-	Trichoptera indet.	14	-	-	-	-	-	-	-	-	-	-
Fish	-	-	Actinopterygii indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Teleostei indet.	-	-	-	-	-	-	-	-	-	-	-

Notes:
Taxonomic analysis completed by Biologica Environmental Services. Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.
Indet. = indeterminate; sp. = species

Lake				Cujo *(cont'd)*										
Stomach #				**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**
Fish ID				**CUJ24-RDWH-04**	**CUJ24-RDWH-05**	**CUJ24-RDWH-06**	**CUJ24-RDWH-07**	**CUJ24-RDWH-08**	**CUJ24-RDWH-09**	**CUJ24-RDWH-10**	**CUJ24-RDWH-11**	**CUJ24-RDWH-12**	**CUJ24-RDWH-13**	**CUJ24-RDWH-14**
Laboratory Sample ID				**fs24-226-027**	**fs24-226-028**	**fs24-226-029**	**fs24-226-030**	**fs24-226-031**	**fs24-226-032**	**fs24-226-033**	**fs24-226-034**	**fs24-226-035**	**fs24-226-036**	**fs24-226-037**
Sampling Date				**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**
Source	**MajorGroup**	**Family**	**Taxon**											
Empty Stomach	-	-	Stomach empty	-	-	-	-	-	-	-	-	-	-	-
Non-food	Non-Food (Cases, Plant, Pebble, etc.)	-	Chironomid cases	-	-	-	-	-	-	-	-	-	-	-
		-	Fish scale	-	-	-	-	-	-	-	-	-	-	-
		-	Insecta cases	-	-	-	-	-	-	-	-	-	-	-
		-	Plant material	-	-	-	-	-	-	-	-	-	-	-
		-	Sand grains	-	-	-	-	-	-	-	-	-	-	-
		-	Trichoptera cases	-	-	-	-	-	-	-	-	-	-	-
		-	Wood fragments	-	-	-	-	-	-	-	-	-	-	-
Parasite	Other Organisms	-	Acanthocephala indet	-	-	-	-	-	-	-	-	-	-	-
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-	-	-	-	-	-
		Chydoridae	Chydoridae indet.	1	3	-	-	-	1	-	-	-	-	-
			Eurycercus sp.	-	-	-	-	-	-	-	2	4	-	-
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-	-	-	-	-	-
			Daphniidae indet.	-	-	1	-	-	-	-	-	-	-	-
			Simocephalus sp.	-	-	-	-	-	-	-	-	117	-	-
		Temoridae	Heterocope septentrionalis	-	-	-	-	-	-	-	-	-	-	-
			Temoridae indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Calanoida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Cladocera indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Copepoda indet.	-	-	-	-	-	-	-	-	-	-	-
		-	Cyclopoida indet.	-	-	-	-	-	-	-	-	-	-	-
		-	*Ephippia*	-	-	-	-	-	-	-	-	-	-	-
Undetermined	Crustacea	-	Crustacea indet.	-	-	-	-	-	-	-	-	-	-	-
	Digested Material	-	Unidentified tissue	-	-	-	-	-	-	-	-	-	-	-
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-	1	-	-	-	-
		-	Unidentified egg	-	-	-	-	-	-	-	-	-	-	-

Notes:

Taxonomic analysis completed by Biologica Environmental Services. Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.

Indet. = indeterminate; sp. = species

Lake				Cujo *(cont'd)*					
Stomach #				15	16	17	18	19	20
Fish ID				CUJ24-RDWH-15	CUJ24-RDWH-16	CUJ24-RDWH-17	CUJ24-RDWH-18	CUJ24-RDWH-19	CUJ24-RDWH-20
Laboratory Sample ID				fs24-226-038	fs24-226-140	fs24-226-141	fs24-226-142	fs24-226-143	fs24-226-144
Sampling Date				25-Aug-24	25-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24
Source	MajorGroup	Family	Taxon						
Benthic	Arachnida	Lebertiidae	*Lebertia* sp.	-	-	-	-	-	-
			Lebertiidae indet.	-	-	-	-	-	-
		Limnesiidae	*Limnesia* sp.	-	-	-	-	-	-
		-	Oribatida indet.	-	-	-	-	-	-
		-	Trombidiformes indet.	-	-	-	-	-	-
	Coleoptera	Dytiscidae	Dytiscidae indet.	-	-	-	-	-	-
			Hydroporini indet.	-	-	-	-	-	-
	Crustacea	-	Amphipoda indet.	-	-	-	-	-	-
		-	Ostracoda indet.	-	-	-	-	-	-
	Diptera-Chironomidae	Chironomidae	*Ablabesmyia* sp.	-	-	-	-	-	-
			Chironomidae indet.	-	-	-	-	-	-
			Chironominae indet.	-	-	-	-	-	-
			Chironomini indet.	-	-	-	-	-	-
			Chironomus sp.	-	-	16	304	4	1
			Corynocera sp.	-	-	16	32	-	-
			Corynoneura sp.	-	-	-	-	-	-
			Cricotopus/Orthocladius sp. complex	-	-	-	-	-	-
			Cryptochironomus sp.	-	-	-	-	-	-
			Cyphomella sp.	-	-	-	-	-	-
			Dicrotendipes sp.	4	36	-	-	8	-
			Endochironomu s sp.	476	630	640	160	104	1
			Glyptotendipes sp.	-	-	-	-	-	-
			Heterotrissocladius marcidus	-	-	-	-	-	-
			Heterotrissocladius sp.	-	-	-	-	-	-
			Hydrobaenus sp.	-	-	-	-	-	-
			Micropsectra/Tanytarsus sp. complex	-	-	-	-	4	-
			Microtendipes pedellus group	-	18	16	-	92	-
			Microtendipes sp.	-	-	-	-	-	-
			Monodiamesa sp.	-	-	-	-	-	-
			Natarsia sp.	-	-	-	-	-	-
			Orthocladiinae indet.	-	-	-	-	-	-
			Pagastiella sp.	-	-	-	-	-	-
			Parachironomus sp.	-	-	-	-	-	-
			Paracladius sp.	-	-	-	-	-	-
			Paratanytarsus sp.	1	-	-	-	-	-
			Pentaneurini indet.	-	-	-	16	-	-
			Phaenopsectra sp.	-	-	-	-	-	-
			Polypedilum sp.	-	-	16	-	-	-
			Potthastia longimanus group	-	-	-	-	-	-
			Procladius sp.	2	-	48	16	-	-
			Protanypus sp.	-	-	-	-	-	-
			Psectrocladius sp.	1	-	-	-	-	-
			Pseudochironomus sp.	-	-	-	-	-	-

Notes:
Taxonomic analysis completed by Biologica Environmental Services. Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.
Indet. = indeterminate; sp. = species

Lake				Cujo *(cont'd)*					
Stomach #				15	16	17	18	19	20
Fish ID				CUJ24-RDWH-15	CUJ24-RDWH-16	CUJ24-RDWH-17	CUJ24-RDWH-18	CUJ24-RDWH-19	CUJ24-RDWH-20
Laboratory Sample ID				fs24-226-038	fs24-226-140	fs24-226-141	fs24-226-142	fs24-226-143	fs24-226-144
Sampling Date				25-Aug-24	25-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24
Source	MajorGroup	Family	Taxon						
Benthic *(cont'd)*	Diptera-Chironomidae *(cont'd)*	Chironomidae *(cont'd)*	*Stempellinella/Zavrelia* sp. complex	-	-	-	-	-	-
			Stictochironomus sp.	-	-	-	-	-	-
			Tanypodinae indet.	-	-	-	-	-	-
			Tanytarsini indet.	-	-	-	-	-	-
			Zalutschia sp.	-	-	-	-	-	-
	Hemiptera	Corixidae	Corixini indet.	-	-	-	-	-	-
		-	Hemiptera indet.	-	-	-	-	-	-
	Mollusca	Planorbidae	Planorbidae indet.	-	-	-	-	-	-
		Sphaeriidae	*Pisidium* sp.	-	-	-	1	-	-
			Sphaeriidae indet.	-	-	-	-	-	-
			Sphaerium sp.	-	-	21	-	-	-
		Valvatidae	*Valvata sincera*	-	-	-	-	-	-
			Valvata sp.	-	-	-	-	-	-
			Valvatidae indet.	-	-	-	-	-	-
		-	Bivalvia indet.	-	-	4	-	-	-
		-	Gastropoda indet.	-	-	-	-	-	-
		-	Mollusca indet.	-	-	-	-	-	-
	Other Diptera	Ceratopogonidae	Ceratopogonidae indet.	-	-	-	-	-	-
			Ceratopogoninae indet.	-	-	-	-	-	-
			Dasyhelea sp.	-	-	-	-	-	-
		Empididae	Empididae indet.	-	-	-	-	-	-
		-	Diptera indet.	-	-	-	-	-	-
	Other Insecta	-	Insecta indet.	-	-	-	-	-	-
	Trichoptera	Apataniidae	*Apatania* sp.	-	-	-	-	-	-
			Apataniidae indet.	-	-	-	-	-	-
		Hydroptilidae	Agraylea sp.	-	-	-	-	-	-
			Hydroptilidae indet.	-	-	-	-	-	-
			Oxyethira sp.	-	-	16	-	-	-
		Leptoceridae	*Ceraclea* sp.	-	-	-	-	-	-
			Leptoceridae indet.	-	-	-	-	-	-
			Mystacides sp.	1	-	-	-	-	-
			Nectopsyche sp.	-	-	-	-	-	-
			Oecetis sp.	-	-	-	-	-	-
		Limnephilidae	Limnephilidae indet.	-	-	-	-	-	-
		Phryganeidae	*Agrypnia* sp.	-	-	-	-	-	-
			Phryganea sp.	-	-	-	-	-	-
			Phryganeidae indet.	1	-	-	-	-	-
		-	Trichoptera indet.	-	-	1	-	-	-
Fish	-	-	Actinopterygii indet.	-	-	-	-	-	-
		-	Teleostei indet.	-	-	-	-	-	-

Notes:
Taxonomic analysis completed by Biologica Environmental Services. Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.
Indet. = indeterminate; sp. = species

Lake				Cujo *(cont'd)*					
Stomach #				15	16	17	18	19	20
Fish ID				CUJ24-RDWH-15	CUJ24-RDWH-16	CUJ24-RDWH-17	CUJ24-RDWH-18	CUJ24-RDWH-19	CUJ24-RDWH-20
Laboratory Sample ID				fs24-226-038	fs24-226-140	fs24-226-141	fs24-226-142	fs24-226-143	fs24-226-144
Sampling Date				25-Aug-24	25-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24
Source	MajorGroup	Family	Taxon						
Empty Stomach	-	-	Stomach empty	-	-	-	-	-	-
Non-food	Non-Food (Cases, Plant, Pebble, etc.)	-	Chironomid cases	-	-	-	-	-	-
		-	Fish scale	-	-	-	-	-	-
		-	Insecta cases	-	-	-	-	-	-
		-	Plant material	-	-	-	-	-	-
		-	Sand grains	-	-	-	-	-	-
		-	Trichoptera cases	-	-	-	-	-	-
		-	Wood fragments	-	-	-	-	-	-
Parasite	Other Organisms	-	Acanthocephala indet	-	-	-	-	-	-
Planktonic	Crustacea	Bosminidae	Bosminidae indet.	-	-	-	-	-	-
		Chydoridae	Chydoridae indet.	-	-	2	1	1	-
			Eurycercus sp.	1	-	-	-	-	2
		Daphniidae	*Daphnia* sp.	-	-	-	-	-	-
			Daphniidae indet.	-	-	1	-	-	-
			Simocephalus sp.	-	-	-	-	-	-
		Temoridae	Heterocope septentrionalis	-	-	-	-	-	-
			Temoridae indet.	-	-	-	-	-	-
		-	Calanoida indet.	-	-	-	-	-	-
		-	Cladocera indet.	-	-	-	-	-	35
		-	Copepoda indet.	-	-	-	-	-	-
		-	Cyclopoida indet.	-	-	-	-	-	-
		-	*Ephippia*	-	-	-	-	-	-
Undetermined	Crustacea	-	Crustacea indet.	-	-	-	-	-	-
	Digested Material	-	Unidentified tissue	-	-	-	-	-	-
	Other Organisms	-	Nematoda indet.	-	-	-	-	-	-
		-	Unidentified egg	-	-	-	-	-	-

Notes:
Taxonomic analysis completed by Biologica Environmental Services. Dashes (-) indicate that no organisms were identified in the indicated taxonomic group.
Indet. = indeterminate; sp. = species

Table 3.9-13 Round Whitefish Stomach Content by Weight for AEMP Lakes, 2024

Lake	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq
Stomach #	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**
Fish ID	**NAN24-RDWH-01**	**NAN24-RDWH-03**	**NAN24-RDWH-04**	**NAN24-RDWH-05**	**NAN24-RDWH-06**	**NAN24-RDWH-07**	**NAN24-RDWH-08**	**NAN24-RDWH-09**	**NAN24-RDWH-10**	**NAN24-RDWH-11**	**NAN24-RDWH-12**	**NAN24-RDWH-13**	**NAN24-RDWH-14**	**NAN24-RDWH-15**	**NAN24-RDWH-16**	**NAN24-RDWH-17**
Laboratory Sample ID	**fs24-226-074**	**fs24-226-075**	**fs24-226-076**	**fs24-226-077**	**fs24-226-078**	**fs24-226-079**	**fs24-226-080**	**fs24-226-081**	**fs24-226-082**	**fs24-226-083**	**fs24-226-084**	**fs24-226-085**	**fs24-226-086**	**fs24-226-087**	**fs24-226-088**	**fs24-226-089**
Sampling Date	**30-Aug-24**	**1-Sep-24**	**1-Sep-24**	**1-Sep-24**	**1-Sep-24**	**1-Sep-24**	**1-Sep-24**	**1-Sep-24**	**1-Sep-24**	**1-Sep-24**	**1-Sep-24**	**1-Sep-24**	**1-Sep-24**	**1-Sep-24**	**1-Sep-24**	**1-Sep-24**
Major Group																
Arachnida	-	-	-	-	-	-	-	-	-	-	-	-	-	0.24	-	4.82
Coleoptera	0.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea	-	1.99	0.28	47.27	12.91	3.25	24.81	25.72	16.43	-	-	200.46	0.39	3.45	9.85	0.33
Digested Material	16.68	15.18	13.66	-	0.45	11.76	-	-	-	16.31	4.11	-	-	8.51	-	4.59
Diptera-Chironomidae	4.24	20.36	33.01	4.82	0.57	14.25	16.74	8.39	3.81	2.23	2.02	0.23	6.52	2.12	1.04	0.66
Empty Stomach	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemiptera	1.13	-	-	-	-	-	-	-	-	-	-	-	15.52	-	-	-
Mollusca	-	-	0.04	-	-	-	-	-	-	-	0.32	-	-	-	-	-
Non-Food (Cases, Plant, Pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Insecta	-	-	-	-	-	-	-	-	-	-	-	-	40.37	-	-	-
Other Organisms	-	0.31	-	-	-	0.09	0.32	-	0.24	-	-	-	-	-	-	-
Trichoptera	0.65	0.05	-	-	1.07	0.19	0.46	1.25	-	16.22	0.17	0.19	2.71	1.01	0.25	0.53
Total (mg)	**23.35**	**37.89**	**46.99**	**52.09**	**15.01**	**29.53**	**42.33**	**35.37**	**20.48**	**34.76**	**6.61**	**200.88**	**65.51**	**15.32**	**11.13**	**10.92**
% Stomach Full	50	75	75	75	25	75	75	50	50	75	25	50	75	50	25	25
% Stomach Content Digested	75	50	50	50	50	75	50	75	75	75	50	50	75	75	50	50

Lake	Nanuq	Nanuq	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Counts
Stomach #	**17**	**18**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**
Fish ID	**NAN24-RDWH-18**	**NAN24-RDWH-22B_Sept1**	**CON24-RDWH-01**	**CON24-RDWH-02**	**CON24-RDWH-03**	**CON24-RDWH-04**	**CON24-RDWH-05**	**CON24-RDWH-06**	**CON24-RDWH-07**	**CON24-RDWH-08**	**CON24-RDWH-09**	**CON24-RDWH-10**	**CON24-RDWH-11**	**CON24-RDWH-12**	**CON24-RDWH-13**	**CON24-RDWH-14**
Laboratory Sample ID	**fs24-226-090**	**fs24-226-096**	**fs24-226-001**	**fs24-226-002**	**fs24-226-003**	**fs24-226-004**	**fs24-226-005**	**fs24-226-006**	**fs24-226-007**	**fs24-226-008**	**fs24-226-009**	**fs24-226-010**	**fs24-226-121**	**fs24-226-122**	**fs24-226-123**	**fs24-226-124**
Sampling Date	**1-Sep-24**	**1-Sep-24**	**13-Aug-24**	**13-Aug-24**	**13-Aug-24**	**13-Aug-24**	**13-Aug-24**	**15-Aug-24**	**15-Aug-24**	**15-Aug-24**	**15-Aug-24**	**20-Aug-24**	**20-Aug-24**	**21-Aug-24**	**21-Aug-24**	**21-Aug-24**
Major Group																
Arachnida	-	-	-	-	-	0.58	-	-	-	-	-	-	-	-	-	-
Coleoptera	-	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea	2.35	0.36	118.68	2.17	-	86.73	132.99	0.15	52.62	36.35	-	118.53	6.81	0.17	153.58	-
Digested Material	23.96	-	1.21	538.33	-	11.98	16.53	144.24	59.68	73.68	4.27	60.51	447.38	11.53	177.15	26.21
Diptera-Chironomidae	7.46	0.90	-	3.31	0.22	1.68	-	4.18	0.77	2.14	0.35	29.29	8.96	0.67	2.72	0.60
Empty Stomach	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemiptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mollusca	-	-	-	16.66	1.91	-	-	-	19.25	28.62	429.77	0.64	365.41	-	57.41	-
Non-Food (Cases, Plant, Pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	-	-	0.06	-	-	-	-	-	-	-	1.11	-	-	-	-	-
Other Insecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Organisms	-	-	-	-	-	7.30	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	24.53	0.07	-	-	4.31	-	911.22	-	-	-	-	-	345.15	0.24	611.04
Total (mg)	**33.76**	**26.28**	**120.02**	**560.47**	**2.13**	**112.59**	**149.52**	**1059.79**	**132.32**	**140.79**	**435.51**	**208.97**	**828.56**	**357.53**	**391.11**	**637.84**
% Stomach Full	25	50	75	75	10	75	75	100	50	75	75	75	75	100	75	100
% Stomach Content Digested	25	50	50	75	10	50	50	25	75	50	75	50	75	25	50	25

Lake	Counts	Counts	Counts	Counts	Counts	Counts	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak
Stomach #	**15**	**16**	**17**	**18**	**19**	**20**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
Fish ID	**CON24-RDWH-15**	**CON24-RDWH-16**	**CON24-RDWH-18**	**CON24-RDWH-19**	**CON24-RDWH-20**	**CON24-RDWH-21**	**KOD24-RDWH-01**	**KOD24-RDWH-02**	**KOD24-RDWH-03**	**KOD24-RDWH-04**	**KOD24-RDWH-05**	**KOD24-RDWH-06**	**KOD24-RDWH-07**	**KOD24-RDWH-08**	**KOD24-RDWH-09**	**KOD24-RDWH-10**
Laboratory Sample ID	**fs24-226-125**	**fs24-226-126**	**fs24-226-127**	**fs24-226-128**	**fs24-226-129**	**fs24-226-130**	**fs24-226-039**	**fs24-226-040**	**fs24-226-041**	**fs24-226-042**	**fs24-226-043**	**fs24-226-044**	**fs24-226-045**	**fs24-226-046**	**fs24-226-047**	**fs24-226-048**
Sampling Date	**21-Aug-24**	**21-Aug-24**	**22-Aug-24**	**22-Aug-24**	**22-Aug-24**	**13-Aug-24**	**24-Aug-24**	**24-Aug-24**	**24-Aug-24**	**24-Aug-24**	**24-Aug-24**	**24-Aug-24**	**24-Aug-24**	**24-Aug-24**	**24-Aug-24**	**24-Aug-24**
Major Group																
Arachnida	-	-	-	-	-	-	0.05	-	-	0.07	-	-	-	-	-	-
Coleoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	0.87	-	-
Crustacea	-	54.10	-	0.16	134.52	0.03	-	-	-	-	-	0.76	-	-	-	-
Digested Material	58.07	67.20	39.89	379.88	80.78	324.82	8.21	26.90	-	303.71	-	3.76	-	1.46	4.48	3.55
Diptera-Chironomidae	16.73	15.63	94.67	4.21	1.28	1.63	54.28	70.10	0.33	-	254.72	20.92	67.58	135.88	45.59	39.12
Empty Stomach	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemiptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mollusca	17.45	-	-	128.72	21.33	86.75	-	38.03	-	315.06	-	-	-	-	-	-
Non-Food (Cases, Plant, Pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	-	-	2.68	-	-	-	-	-	-	-	0.05	-	-	-	-	-
Other Insecta	-	-	7.96	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Organisms	0.07	-	0.85	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	53.45	0.16	-	-	-	-	0.59	-	0.29	-	0.08	-	-	-	1.34	-
Total (mg)	**145.76**	**137.09**	**146.04**	**512.97**	**237.91**	**413.23**	**63.12**	**135.03**	**0.62**	**618.84**	**254.85**	**25.43**	**67.58**	**138.20**	**51.41**	**42.67**
% Stomach Full	50	50	75	75	75	75	75	50	10	75	50	50	50	50	50	50
% Stomach Content Digested	75	75	50	75	75	75	25	50	25	75	25	25	25	25	25	25

Lake	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak	Leslie	Leslie	Leslie	Leslie	Leslie	Leslie
Stomach #	11	12	13	14	15	16	17	18	19	20	1	2	3	4	5	6
Fish ID	KOD24-RDWH-11	KOD24-RDWH-12	KOD24-RDWH-13	KOD24-RDWH-14	KOD24-RDWH-15	KOD24-RDWH-16	KOD24-RDWH-17	KOD24-RDWH-18	KOD24-RDWH-19	KOD24-RDWH-20	LES24-RDWH-01	LES24-RDWH-02	LES24-RDWH-03	LES24-RDWH-04	LES24-RDWH-05	LES24-RDWH-06
Laboratory Sample ID	fs24-226-049	fs24-226-050	fs24-226-051	fs24-226-162	fs24-226-163	fs24-226-164	fs24-226-165	fs24-226-166	fs24-226-167	fs24-226-168	fs24-226-052	fs24-226-053	fs24-226-054	fs24-226-055	fs24-226-056	fs24-226-057
Sampling Date	24-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24
Major Group																
Arachnida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea	-	-	0.14	-	-	-	0.07	0.24	-	0.39	220.31	290.98	255.13	0.89	136.93	129.78
Digested Material	4.05	0.75	18.20	78.39	14.38	38.83	12.09	1.99	1.54	2.34	-	-	-	28.05	-	-
Diptera-Chironomidae	44.82	7.26	108.25	32.11	7.32	204.91	34.31	2.24	15.96	74.37	0.84	0.94	4.10	1.77	-	1.20
Empty Stomach	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish	-	-	-	18.09	-	-	-	-	-	-	-	-	-	-	-	-
Hemiptera	-	4.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mollusca	-	-	-	15.23	-	0.63	-	-	1.51	0.47	1.49	-	2.00	-	-	-
Non-Food (Cases, Plant, Pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	-	-	-	-	-	0.07	0.04	0.08	-	-	0.54	-	-	-	-	-
Other Insecta	-	-	-	-	-	-	0.69	-	-	-	-	-	-	-	-	-
Other Organisms	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	0.54	0.97	1.26	1.34	0.01	19.94	-	0.13	-	-	-	-	-	23.06	-	-
Total (mg)	**49.41**	**13.87**	**127.85**	**145.16**	**21.72**	**264.37**	**47.19**	**4.68**	**19.02**	**77.57**	**223.18**	**291.92**	**261.23**	**53.77**	**136.93**	**130.98**
% Stomach Full	50	25	75	50	25	75	75	25	25	75	50	75	75	50	25	50
% Stomach Content Digested	25	25	50	75	10	50	50	50	25	25	50	50	50	75	25	25

Lake	Leslie	Leslie	Leslie	Leslie	Leslie	Leslie	Leslie	Leslie	Leslie	Leslie	Leslie	Leslie	Leslie	Leslie	Moose	Moose
Stomach #	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**1**	**2**
Fish ID	**LES24-RDWH-07**	**LES24-RDWH-08**	**LES24-RDWH-09**	**LES24-RDWH-10**	**LB_Stomach_LES24-RDWH-11**	**LES24-RDWH-12**	**LES24-RDWH-13**	**LES24-RDWH-14**	**LES24-RDWH-15**	**LES24-RDWH-16**	**LES24-RDWH-17**	**LES24-RDWH-18**	**LES24-RDWH-19**	**LES24-RDWH-20**	**MOO24-RDWH-01**	**MOO24-RDWH-02**
Laboratory Sample ID	**fs24-226-058**	**fs24-226-059**	**fs24-226-060**	**fs24-226-061**	**fs24-226-062**	**fs24-226-063**	**fs24-226-064**	**fs24-226-065**	**fs24-226-066**	**fs24-226-067**	**fs24-226-068**	**fs24-226-069**	**fs24-226-070**	**fs24-226-071**	**fs24-226-152**	**fs24-226-153**
Sampling Date	**29-Aug-24**	**29-Aug-24**	**29-Aug-24**	**29-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**23-Aug-24**	**23-Aug-24**
Major Group																
Arachnida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea	92.56	263.02	54.60	2.88	95.09	0.04	8.33	0.14	-	22.38	45.77	0.06	0.12	0.67	54.22	3.66
Digested Material	0.79	-	33.70	31.05	17.22	4.27	3.81	135.00	264.81	8.78	64.66	-	-	185.65	-	3.68
Diptera-Chironomidae	3.89	1.59	-	-	0.29	0.62	-	1.54	5.92	-	-	-	-	0.18	0.91	24.12
Empty Stomach	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.99	-
Hemiptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mollusca	0.87	-	7.10	-	13.71	2.73	0.35	0.17	52.07	-	98.85	-	-	84.93	3.22	-
Non-Food (Cases, Plant, Pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	-	-	-	-	-	-	0.76	-	-	-	-	-	-	-	-	-
Other Insecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Organisms	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	0.45	-	-	3.70	-	-	-	4.04	-	-	-	-	1.31	-	-
Total (mg)	**98.11**	**265.07**	**95.40**	**33.93**	**130.00**	**7.65**	**13.26**	**136.84**	**326.84**	**31.16**	**209.27**	**0.06**	**0.12**	**272.74**	**94.34**	**31.46**
% Stomach Full	50	75	50	10	75	10	25	75	75	25	50	10	10	75	50	50
% Stomach Content Digested	50	25	75	10	50	75	50	75	75	10	50	100	10	75	75	25

Lake	Moose	Moose	Moose	Moose	Moose	Moose	Moose	Moose	Moose	Moose	Moose	Moose	Moose	Moose	Moose	Moose
Stomach #	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**
Fish ID	**MOO24-RDWH-03**	**MOO24-RDWH-04**	**MOO24-RDWH-05**	**MOO24-RDWH-06**	**MOO24-RDWH-07**	**MOO24-RDWH-08**	**MOO24-RDWH-09**	**MOO24-RDWH-10**	**MOO24-RDWH-11**	**MOO24-RDWH-12**	**MOO24-RDWH-13**	**MOO24-RDWH-14**	**MOO24-RDWH-15**	**MOO24-RDWH-16**	**MOO24-RDWH-17**	**MOO24-RDWH-18**
Laboratory Sample ID	**fs24-226-154**	**fs24-226-155**	**fs24-226-156**	**fs24-226-157**	**fs24-226-158**	**fs24-226-159**	**fs24-226-160**	**fs24-226-161**	**fs24-226-012**	**fs24-226-013**	**fs24-226-014**	**fs24-226-015**	**fs24-226-016**	**fs24-226-017**	**fs24-226-018**	**fs24-226-019**
Sampling Date	**23-Aug-24**	**23-Aug-24**	**23-Aug-24**	**23-Aug-24**	**23-Aug-24**	**23-Aug-24**	**23-Aug-24**	**23-Aug-24**	**23-Aug-24**	**23-Aug-24**	**23-Aug-24**	**23-Aug-24**	**23-Aug-24**	**23-Aug-24**	**23-Aug-24**	**23-Aug-24**
Major Group																
Arachnida	-	-	-	-	-	-	-	-	0.10	-	-	-	-	-	-	-
Coleoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea	0.46	73.51	132.79	12.53	0.63	77.67	-	143.87	0.20	-	-	-	65.31	60.70	39.07	65.82
Digested Material	2.17	6.37	5.78	2.34	3.14	-	1.44	0.52	22.74	263.04	57.25	-	9.42	0.69	51.10	16.04
Diptera-Chironomidae	33.08	38.08	51.53	33.42	93.53	1.70	61.98	4.90	347.90	70.97	1.05	8.06	92.56	2.95	294.45	67.48
Empty Stomach	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish	-	-	-	-	-	-	-	-	-	-	59.47	-	-	-	-	-
Hemiptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mollusca	-	6.30	-	-	-	-	-	0.09	-	262.14	-	-	-	0.34	4.33	0.94
Non-Food (Cases, Plant, Pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	-	-	-	-	-	-	-	-	0.00	-	-	-	-	-	-	-
Other Insecta	-	-	-	-	-	-	-	-	-	1.77	-	-	-	-	-	-
Other Organisms	-	-	-	-	-	-	-	-	-	-	6.01	0.60	-	-	-	-
Trichoptera	0.21	-	-	-	-	-	-	-	1.03	-	-	358.33	0.90	-	12.71	2.65
Total (mg)	**35.91**	**124.26**	**190.10**	**48.29**	**97.31**	**79.37**	**63.41**	**149.39**	**371.97**	**597.92**	**123.77**	**366.99**	**168.19**	**64.67**	**401.66**	**152.93**
% Stomach Full	75	75	75	50	100	50	75	75	75	75	25	75	75	25	75	50
% Stomach Content Digested	50	75	75	50	50	75	25	75	10	50	75	75	75	50	25	50

Lake	Moose	Moose	Moose	Moose	Nema	Nema	Nema	Nema	Nema	Nema	Nema	Nema	Nema	Nema	Nema	Nema
Stomach #	19	20	21	22	1	2	3	4	5	6	7	8	9	10	11	12
Fish ID	MOO24-RDWH-19	MOO24-RDWH-20	MOO24-RDWH-21	MOO24-RDWH-22	NEM24-RDWH-01	NEM24-RDWH-02	NEM24-RDWH-03	NEM24-RDWH-04	NEM24-RDWH-05	NEM24-RDWH-06	NEM24-RDWH-07	NEM24-RDWH-08	NEM24-RDWH-09	NEM24-RDWH-10	NEM24-RDWH-11	NEM24-RDWH-12
Laboratory Sample ID	fs24-226-020	fs24-226-021	fs24-226-022	fs24-226-023	fs24-226-100	fs24-226-101	fs24-226-102	fs24-226-103	fs24-226-104	fs24-226-105	fs24-226-106	fs24-226-107	fs24-226-108	fs24-226-109	fs24-226-110	fs24-226-111
Sampling Date	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	est. 28-Aug-24	est. 28-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24
Major Group																
Arachnida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea	54.75	-	3.85	0.56	-	-	35.68	136.23	-	381.22	352.87	141.66	3.12	225.59	97.42	-
Digested Material	-	-	4.75	6.60	125.76	456.50	298.05	148.04	62.13	50.75	42.97	68.52	151.18	-	-	-
Diptera-Chironomidae	11.31	49.98	26.03	45.43	-	191.88	6.14	0.97	4.03	0.85	-	14.49	-	10.99	-	0.41
Empty Stomach	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemiptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mollusca	-	232.28	0.10	-	105.92	94.15	29.15	8.19	108.23	150.14	-	5.60	261.09	-	-	293.30
Non-Food (Cases, Plant, Pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	-	-	-	0.05	-	-	-	-	-	-	-	-	-	-	-	-
Other Insecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Organisms	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	1.62	9.92	23.99	79.83	-	1.82	-	-	-	-
Total (mg)	**66.06**	**282.25**	**34.73**	**52.65**	**231.68**	**742.53**	**370.63**	**303.35**	**198.38**	**662.80**	**395.84**	**232.10**	**415.39**	**236.58**	**97.42**	**293.71**
% Stomach Full	50	75	75	75	100	75	50	50	50	75	75	75	50	75	25	75
% Stomach Content Digested	50	75	75	75	50	25	75	25	75	75	25	50	75	50	25	75

Lake	Nema	Nema	Nema	Nema	Nema	Nema	Nema	Nema	Slipper	Slipper	Slipper	Slipper	Slipper	Slipper	Slipper	Slipper
Stomach #	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**
Fish ID	**NEM24-RDWH-13**	**NEM24-RDWH-14**	**NEM24-RDWH-15**	**NEM24-RDWH-16**	**NEM24-RDWH-17**	**NEM24-RDWH-18**	**NEM24-RDWH-19**	**NEM24-RDWH-20**	**SLP24-RDWH-01**	**SLP24-RDWH-02**	**SLP24-RDWH-03**	**SLP24-RDWH-04**	**SLP24-RDWH-05**	**SLP24-RDWH-06**	**SLP24-RDWH-07**	**SLP24-RDWH-08**
Laboratory Sample ID	**fs24-226-112**	**fs24-226-113**	**fs24-226-114**	**fs24-226-115**	**fs24-226-116**	**fs24-226-117**	**fs24-226-118**	**fs24-226-119**	**fs24-226-173**	**fs24-226-174**	**fs24-226-175**	**fs24-226-176**	**fs24-226-177**	**fs24-226-178**	**fs24-226-179**	**fs24-226-180**
Sampling Date	**29-Aug-24**	**31-Aug-24**	**31-Aug-24**	**31-Aug-24**	**31-Aug-24**	**31-Aug-24**	**31-Aug-24**	**31-Aug-24**	**16-Aug-24**	**16-Aug-24**	**16-Aug-24**	**16-Aug-24**	**16-Aug-24**	**16-Aug-24**	**17-Aug-24**	**17-Aug-24**
Major Group																
Arachnida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15
Coleoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea	0.24	102.16	-	20.86	191.69	80.20	79.88	151.03	9.42	3.05	15.04	21.31	5.23	2.73	2.53	58.77
Digested Material	-	43.66	-	-	-	-	-	-	1.22	-	-	58.75	49.90	20.00	25.13	-
Diptera-Chironomidae	0.06	0.91	0.35	2.61	0.22	0.29	6.48	1.40	0.06	-	0.10	54.55	81.11	44.23	1.24	1.60
Empty Stomach	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemiptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mollusca	466.15	2.33	83.52	1.86	6.76	-	0.73	-	-	-	0.38	3.44	4.22	-	-	-
Non-Food (Cases, Plant, Pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	-	-	-	-	-	-	-	-	0.21	-	-	23.82	8.04	1.28	7.30	1.93
Other Insecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Organisms	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	3.21	-	1.37	4.36	-	1.63	-	-	-	-	-	-	-	-	-	3.39
Total (mg)	**469.66**	**149.07**	**85.24**	**29.69**	**198.67**	**82.12**	**87.09**	**152.43**	**10.91**	**3.05**	**15.53**	**161.87**	**148.50**	**68.25**	**36.19**	**65.83**
% Stomach Full	75	50	25	25	25	50	25	75	25	10	25	75	50	50	75	25
% Stomach Content Digested	75	50	75	25	25	25	25	75	25	10	50	50	50	75	75	50

Lake	Slipper	Slipper	Slipper	Slipper	Slipper	Slipper	Slipper	Slipper	Slipper	Slipper	Slipper	Slipper	Cujo	Cujo	Cujo	Cujo
Stomach #	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**1**	**2**	**3**	**4**
Fish ID	**SLP24-RDWH-09**	**SLP24-RDWH-10**	**SLP24-RDWH-11**	**SLP24-RDWH-12**	**SLP24-RDWH-13**	**SLP24-RDWH-14**	**SLP24-RDWH-15**	**SLP24-RDWH-16**	**SLP24-RDWH-17**	**SLP24-RDWH-18**	**SLP24-RDWH-19**	**SLP24-RDWH-20**	**CUJ24-RDWH-01**	**CUJ24-RDWH-02**	**CUJ24-RDWH-03**	**CUJ24-RDWH-04**
Laboratory Sample ID	**fs24-226-181**	**fs24-226-182**	**fs24-226-183**	**fs24-226-184**	**fs24-226-185**	**fs24-226-186**	**fs24-226-187**	**fs24-226-188**	**fs24-226-189**	**fs24-226-190**	**fs24-226-191**	**fs24-226-192**	**fs24-226-024**	**fs24-226-025**	**fs24-226-026**	**fs24-226-027**
Sampling Date	**17-Aug-24**	**17-Aug-24**	**17-Aug-24**	**17-Aug-24**	**17-Aug-24**	**17-Aug-24**	**17-Aug-24**	**17-Aug-24**	**17-Aug-24**	**17-Aug-24**	**18-Aug-24**	**18-Aug-24**	**24-Aug-24**	**24-Aug-24**	**24-Aug-24**	**25-Aug-24**
Major Group																
Arachnida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea	22.69	25.93	-	6.20	-	51.52	38.57	73.71	58.31	46.14	0.31	-	-	-	0.92	0.57
Digested Material	-	0.83	-	-	3.41	5.27	1.66	-	-	-	-	-	1.91	8.22	2.51	142.58
Diptera-Chironomidae	0.46	0.17	-	1.34	175.98	0.01	-	-	-	-	35.54	0.33	86.72	101.35	38.05	831.28
Empty Stomach	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemiptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mollusca	3.45	0.22	-	0.49	3.38	-	-	-	-	-	1.36	0.56	-	-	-	-
Non-Food (Cases, Plant, Pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	0.81	-	-	0.94	-	-	0.73	-	0.88	-	8.37	-	-	-	-	-
Other Insecta	-	5.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Organisms	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	0.54	-	-	-	13.34
Total (mg)	**27.40**	**32.17**	**-**	**8.98**	**182.77**	**56.80**	**40.96**	**73.71**	**59.19**	**46.14**	**45.58**	**1.43**	**88.63**	**109.57**	**41.49**	**987.78**
% Stomach Full	50	50	0	25	50	75	75	100	50	50	50	10	75	75	75	75
% Stomach Content Digested	50	75	100	50	25	50	25	50	50	50	50	75	10	50	50	50

Lake	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo
Stomach #	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**
Fish ID	**CUJ24-RDWH-05**	**CUJ24-RDWH-06**	**CUJ24-RDWH-07**	**CUJ24-RDWH-08**	**CUJ24-RDWH-09**	**CUJ24-RDWH-10**	**CUJ24-RDWH-11**	**CUJ24-RDWH-12**	**CUJ24-RDWH-13**	**CUJ24-RDWH-14**	**CUJ24-RDWH-15**	**CUJ24-RDWH-16**	**CUJ24-RDWH-17**	**CUJ24-RDWH-18**	**CUJ24-RDWH-19**	**CUJ24-RDWH-20**
Laboratory Sample ID	**fs24-226-028**	**fs24-226-029**	**fs24-226-030**	**fs24-226-031**	**fs24-226-032**	**fs24-226-033**	**fs24-226-034**	**fs24-226-035**	**fs24-226-036**	**fs24-226-037**	**fs24-226-038**	**fs24-226-140**	**fs24-226-141**	**fs24-226-142**	**fs24-226-143**	**fs24-226-144**
Sampling Date	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**26-Aug-24**	**26-Aug-24**	**26-Aug-24**	**26-Aug-24**
Major Group																
Arachnida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crustacea	2.11	0.17	-	-	0.45	1.42	1.04	25.12	-	-	0.52	-	1.41	0.29	0.34	3.90
Digested Material	35.84	5.06	1.31	70.70	85.09	37.49	63.85	11.64	6.18	-	10.73	18.49	104.31	-	-	-
Diptera-Chironomidae	266.79	146.47	15.54	484.03	375.25	308.56	635.19	6.73	310.16	30.80	365.24	439.05	436.08	339.04	84.11	2.48
Empty Stomach	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemiptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mollusca	-	-	-	0.10	-	-	6.87	-	-	-	-	-	58.96	0.30	-	-
Non-Food (Cases, Plant, Pebble, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Insecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Organisms	-	-	-	-	-	0.12	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	146.93	0.56	-	-	-	1.73	-	5.04	-	-	-
Total (mg)	**304.74**	**151.70**	**16.85**	**554.83**	**460.79**	**494.53**	**707.50**	**43.48**	**316.34**	**30.80**	**378.21**	**457.54**	**605.80**	**339.63**	**84.45**	**6.37**
% Stomach Full	75	75	50	75	25	75	75	50	75	50	75	50	50	75	75	25
% Stomach Content Digested	25	50	10	25	25	25	50	75	25	25	25	25	25	50	50	10

3.9.5 Deformities, Erosions, Lesions, and Tumours

An assessment of deformities, erosions, lesions and tumours (DELT) was done for incidental Lake Trout mortalities and sacrificed Round Whitefish. For live-released Lake Trout, a modified DELT assessment of only external DELTs was completed. Lake Trout and Round Whitefish DELT data are presented in Table 3.9-14 and example photos are shown in Figure 3.9-2.

Table 3.9-14 Lake Trout and Round Whitefish Deformities, Erosions, Lesions, and Tumours Data for AEMP Lakes, 2024

Lake	Species	Sampling Date	Fish ID	Mortality	DELT Malformity	Other Malformity	Comments (type, size)
Nanuq	LKTR	6-Sep-2024	NAN24-LKTR-06	Live	-	Injury	Abrasion on adipose fin, probably from gill net
Nanuq	LKTR	14-Sep-2024	NAN24-LKTR-16	Live	Deformity	-	Dorsal fin
Vulture	LKTR	9-Aug-2024	VUL24-LKTR-01	Live	Deformity	-	Adipose fin
Nanuq	RDWH	1-Sep-2024	NAN24-RDWH-03	Sacrificed	-	Injury	Operculum missing, possible injury from gill net
Vulture	LKTR	8-Sep-2024	VUL24-LKTR-14	Live	Deformity	-	Adipose fin
Kodiak	LKTR	24-Aug-2024	KOD24-LKTR-09	Live	-	Injury	Injury from Floy tag remnant below dorsal fin
Kodiak	RDWH	25-Aug-2024	KOD24-RDWH-12	Sacrificed	Lesion	-	Large lesion starting below dorsal fin to ventral side
Kodiak	RDWH	25-Aug-2024	KOD24-RDWH-14	Sacrificed	Lesion	-	Scarring on side between pelvic and anal fins
Nema	RDWH	31-Aug-2024	NEM24-RDWH-16	Sacrificed	Lesion	-	Large gash, gill
Nema	RDWH	31-Aug-2024	NEM24-RDWH-20	Sacrificed	Lesion	-	Part of operculum missing
Nema	RDWH	2-Sep-2024	NEM24-RDWH-94	Incidental Mortality	Lesion	-	Operculum missing
Slipper	LKTR	18-Aug-2024	SLP24-LKTR-09	Live	Lesion	-	Exposed tissue, head
Slipper	RDWH	16-Aug-2024	SLP24-RDWH-22	Incidental Mortality	-	Injury	Gill damaged in gill net



Lake Trout 16, Nanuq Lake, Photo 7909, 14-Sep-2024
Dorsal fin deformity, possible past injury



Round Whitefish 14, Kodiak Lake, Photo 7634
Lesion, scarring on side

Figure 3.9-2 Examples of Lake Trout and Round Whitefish Deformities, Erosions, Lesions, and Tumours from AEMP Lakes, 2024

3.9.6 Ethoxyresorufin-O-deethylase

Ethoxyresorufin-o-deethylase (EROD) activity and induction (ratio of specific activity vs. external negative control activity) in liver tissue from sacrificed Round Whitefish were analyzed by Queens University Analytical Services Unit. EROD results are provided in Table 3.9-15 and summarized in Table 3.9-16.

Table 3.9-15 Round Whitefish Liver EROD Activity and Induction for AEMP Lakes, 2024

Lake	Fish ID	Summary Specific EROD Activity (pmol/mg/min)	EROD Induction (Summary Specific EROD Activity/External Negative Control)	EROD Induction (Square Root)
Nanuq	1	3.68	1.94	1.39
	2	3.31	1.20	1.10
	3	5.98	1.72	1.31
	4	Duplicates	1.03	1.02
	5	2.50	1.39	1.18
	6	4.66	1.51	1.23
	7	2.95	0.95	0.98
	8	5.72	2.94	1.71
	9	4.45	1.53	1.24
	10	3.87	1.02	1.01
	11	2.46	0.91	0.95
	12	1.99	0.69	0.83
	13	1.94	0.67	0.82
	14	2.12	1.04	1.02
	15	2.17	0.70	0.83
	16	3.31	1.12	1.06
	17	1.87	0.47	0.68
	18	0.81	0.26	0.51
	19	0.63	0.21	0.46
	22B	Duplicates	1.67	1.29
Counts	1	2.23	0.72	0.85
	2	1.05	0.30	0.55
	3	0.23	0.07	0.26
	4	Duplicates	0.14	0.37
	5	0.61	0.19	0.43

Lake	Fish ID	Summary Specific EROD Activity (pmol/mg/min)	EROD Induction (Summary Specific EROD Activity/External Negative Control)	EROD Induction (Square Root)
	6	0.92	0.30	0.54
	7	0.76	0.40	0.63
	8	1.46	0.43	0.65
	9	0.79	0.23	0.48
	10	0.99	0.25	0.50
	11	1.24	0.64	0.80
	12	0.73	0.37	0.61
	13	1.36	0.49	0.70
	14	0.90	0.50	0.71
	15	1.94	0.74	0.86
	16	2.51	0.66	0.81
	18	Duplicates	0.28	0.53
	19	2.76	1.30	1.14
	20	1.90	0.85	0.92
	51	2.19	0.50	0.70
Kodiak	1	4.96	2.75	1.66
	2	1.06	0.33	0.58
	3	Duplicates	1.71	1.31
	4	0.87	0.21	0.46
	5	1.48	0.72	0.85
	6	4.24	1.90	1.38
	7	6.20	1.31	1.14
	8	2.34	0.50	0.71
	9	2.07	0.70	0.84
	10	3.47	0.74	0.86
	11	0.53	0.24	0.49
	12	0.93	0.46	0.68
	13	0.89	0.45	0.67
	14	Duplicates	0.37	0.61
	15	0.42	0.14	0.37

Lake	Fish ID	Summary Specific EROD Activity (pmol/mg/min)	EROD Induction (Summary Specific EROD Activity/External Negative Control)	EROD Induction (Square Root)
	16	0.44	0.13	0.37
	17	0.64	0.34	0.58
	18	0.56	0.08	0.28
	19	0.62	0.33	0.57
	20	0.51	0.15	0.39
Leslie	1	0.22	0.06	0.25
	2	0.47	0.14	0.38
	3	0.76	0.26	0.51
	4	0.62	0.13	0.36
	5	0.32	0.10	0.31
	6	0.63	0.17	0.41
	7	Duplicates	0.28	0.53
	8	0.45	0.21	0.46
	9	0.86	0.25	0.50
	10	0.50	0.28	0.52
	11	2.98	1.45	1.21
	12	2.99	1.34	1.16
	13	4.24	1.90	1.38
	14	1.27	0.46	0.68
	15	5.04	2.68	1.64
	16	2.71	0.57	0.76
	17	Duplicates	0.31	0.56
	18	0.80	0.25	0.50
	19	3.42	0.85	0.92
	20	1.50	0.55	0.74
Moose	1	3.76	1.18	1.09
	2	3.15	1.09	1.04
	3	7.44	2.18	1.48
	4	7.91	3.07	1.75
	5	Duplicates	1.52	1.23

Lake	Fish ID	Summary Specific EROD Activity (pmol/mg/min)	EROD Induction (Summary Specific EROD Activity/External Negative Control)	EROD Induction (Square Root)
	6	5.55	2.95	1.72
	7	2.60	0.95	0.97
	8	3.91	0.55	0.74
	9	3.86	0.93	0.96
	10	9.14	3.37	1.84
	11	7.63	2.47	1.57
	12	4.20	0.59	0.77
	13	1.24	0.64	0.80
	14	2.70	0.61	0.78
	15	0.68	0.24	0.49
	16	1.48	0.43	0.65
	17	0.96	0.49	0.70
	18	0.56	0.21	0.46
	19	0.83	0.27	0.52
	20	Duplicates	0.47	0.68
Nema	1	0.63	0.14	0.38
	2	0.54	0.17	0.42
	3	0.83	0.29	0.54
	4	0.82	0.28	0.53
	5	1.10	0.37	0.61
	6	Duplicates	0.22	0.46
	7	0.61	0.19	0.44
	8	0.92	0.19	0.44
	9	0.79	0.17	0.41
	10	0.95	0.32	0.57
	11	1.17	0.52	0.72
	12	1.20	0.44	0.66
	13	4.95	1.31	1.14
	14	1.42	0.52	0.72
	15	1.26	0.56	0.75

Lake	Fish ID	Summary Specific EROD Activity (pmol/mg/min)	EROD Induction (Summary Specific EROD Activity/External Negative Control)	EROD Induction (Square Root)
	16	1.49	0.50	0.71
	17	2.14	0.69	0.83
	18	4.57	1.74	1.32
	19	Duplicates	0.67	0.82
	20	1.60	0.56	0.75
Slipper	1	5.57	2.82	1.68
	2	3.31	0.70	0.84
	3	5.03	0.70	0.84
	4	0.00	0.00	0.00
	5	Duplicates	2.11	1.45
	6	2.04	0.78	0.88
	7	5.36	1.95	1.40
	8	1.12	0.57	0.75
	9	8.43	4.48	2.12
	10	4.15	1.00	1.00
	11	0.83	0.30	0.55
	12	1.36	0.40	0.63
	14	0.45	0.12	0.35
	15	0.82	0.11	0.34
	16	0.46	0.10	0.31
	17	0.56	0.21	0.46
	18	0.74	0.24	0.49
	19	0.51	0.25	0.50
	20	0.56	0.16	0.40
	13	Duplicates	0.43	0.66
Cujo	1	4.77	1.62	1.27
	2	7.79	3.02	1.74
	3	6.58	2.40	1.55
	4	1.84	0.71	0.84
	5	Duplicates	0.35	0.59

Lake	Fish ID	Summary Specific EROD Activity (pmol/mg/min)	EROD Induction (Summary Specific EROD Activity/External Negative Control)	EROD Induction (Square Root)
	6	2.83	1.08	1.04
	7	2.38	1.32	1.15
	8	1.21	0.45	0.67
	9	3.13	1.09	1.04
	10	1.82	0.71	0.84
	11	0.61	0.33	0.57
	12	0.43	0.23	0.48
	13	0.21	0.03	0.17
	14	Duplicates	0.18	0.42
	15	1.76	0.86	0.93
	16	0.63	0.09	0.30
	17	0.75	0.40	0.63
	18	0.58	0.31	0.56
	19	0.36	0.19	0.44
	20	0.59	0.31	0.56

Notes:

EROD = Ethoxyresorufin-o-deethylase, pmol/mg/min = picomole per milligram per minute;

Duplicates = when duplicate EROD activity was measured in one sample, the induction was calculated based on the sample-specific negative controls.A mean of the induction value was then calculated.

Table 3.9-16 Summary of Round Whitefish Liver EROD Activity and Induction for AEMP Lakes, 2024

Lake	N	Specific Activity (pmol/mg/min)					EROD Induction (Specific Activity/External Negative Control)					Standardized EROD Induction (Square Root)				
		Mean	SD	SE	Min	Max	Mean	SD	SE	Min	Max	Mean	SD	SE	Min	Max
Nanuq	22	3.14	1.40	0.30	0.63	5.98	1.16	0.63	0.26	0.21	2.94	1.04	0.30	0.18	0.46	1.71
Counts	22	1.24	0.73	0.16	0.04	2.76	0.42	0.29	0.17	0.01	1.30	0.61	0.22	0.20	0.09	1.14
Kodiak	22	1.95	1.78	0.38	0.42	6.20	0.74	0.73	0.29	0.08	2.75	0.77	0.38	0.23	0.28	1.66
Leslie	22	1.52	1.39	0.30	0.22	5.04	0.56	0.65	0.29	0.06	2.68	0.66	0.36	0.22	0.25	1.64
Moose	22	3.49	2.59	0.55	0.56	9.14	1.17	0.98	0.33	0.21	3.37	1.00	0.43	0.23	0.46	1.84
Nema	22	1.46	1.17	0.25	0.52	4.95	0.48	0.38	0.17	0.14	1.74	0.66	0.23	0.18	0.38	1.32
Slipper	22	2.46	2.39	0.51	0.00	8.43	0.94	1.14	0.39	0.00	4.48	0.82	0.52	0.25	0.00	2.12
Cujo	22	1.87	2.06	0.44	0.21	7.79	0.70	0.75	0.27	0.03	3.02	0.74	0.39	0.23	0.17	1.74

Notes:

EROD = Ethoxyresorufin-o-deethylase

max = maximum value; min = minimum value; n = sample size; SD = standard deviation; pmol/mg/min = picomole per milligram per minute; SE = standard error

3.9.7 Tissue Metals

Metal and nutrient analyses were completed by Bureau Veritas Laboratories for Round Whitefish and Lake Trout muscle and liver samples. Analyses were completed for sacrificed Round Whitefish muscle and liver tissue samples, live-released Lake Trout muscle plug samples, and for muscle and liver samples from incidental Lake Trout mortalities.

For Lake Trout, detailed metal and nutrient concentration data are presented in Table 3.9-17 and analytical detection limits and the percentage of samples below detection limit are provided in Tables 3.9-18 and 3.9-19. For Round Whitefish, detailed metal and nutrient concentration data are presented in Table 3.9-20 and analytical detection limits and the percentage of samples below detection limit are provided in Tables 3.9-21 and 3.9-22. Summary statistics of the concentration of the six evaluated metals (i.e., arsenic, cadmium, chromium, lead, mercury, and selenium; see Part 1—AEMP Annual Report) in Lake Trout and Round Whitefish muscle and liver samples are presented in Tables 3.9-23 to 3.9-28.

Table 3.9-17 Lake Trout Muscle and Liver Metal and Nutrient Concentrations for AEMP Lakes, 2024

Lake	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq
Fish ID	1	2	3	4	5	6	7	9	10	12	13	14	15	16	17	18	19	20
Date Sampled	1-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	6-Sep-24	6-Sep-24	7-Sep-24	8-Sep-24	12-Sep-24	12-Sep-24	13-Sep-24	13-Sep-24	14-Sep-24	14-Sep-24	14-Sep-24	14-Sep-24	16-Sep-24
Laboratory Sample ID	CWE326	CWD680	CWD681	CWD682	CWD683	CWD684	CWD685	CWD686	CWE016	CWE327	CWE328	CWE329	CWE330	CWE331	CWE332	CWE333	CWE334	CWE335
Tissue Type	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug
Physical Tests																		
% Moisture	79	79	78	78	78	74	85	76	78	76	82	74	83	72	71	73	62	67
Total Metals and Nutrients																		
Aluminum	1.6	1.86	0.96	1.86	1.66	2.14	1.59	3.64	2.29	0.96	6.18	13.3	3.11	1.52	4.06	7.33	17.2	11.5
Antimony	0.0023	0.0041	<0.0020	<0.0020	0.0021	0.003	<0.0020	0.0028	0.0059	0.0034	0.0075	0.0063	0.0023	<0.0020	<0.0020	0.923	1.81	1.46
Arsenic	0.0139	0.0161	0.0057	0.0108	0.0073	0.0168	0.0121	0.019	0.0114	<0.0050	0.0138	0.01	0.0096	0.0055	0.031	0.0772	0.144	0.0808
Barium	0.021	0.083	0.014	0.099	0.154	0.034	0.018	0.029	0.096	<0.010	0.215	0.077	0.168	0.024	0.071	0.086	0.165	0.123
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0213	0.0486	0.0246
Bismuth	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0039	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0159	0.0281	0.0254
Boron	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.95	1.6	1.22
Cadmium	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0112	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0041	0.0176	0.0081
Calcium	48.2	501	87	575	703	60	54.2	71.5	309	10.7	83.8	53.6	1020	43	285	552	744	844
Cesium	0.0651	0.113	0.0877	0.0712	0.0833	0.0871	0.083	0.0264	0.0547	0.0059	0.0375	0.0042	0.0655	0.0148	0.014	0.0144	0.0671	0.0365
Chromium	<0.025	0.042	<0.025	<0.025	0.079	0.109	0.027	0.13	0.199	0.035	0.266	0.226	0.74	0.073	0.139	0.096	1.87	0.157
Cobalt	0.0042	0.0088	0.0117	0.007	0.0053	0.0129	0.0055	0.0095	0.0729	0.0023	0.0031	0.0167	0.0068	0.0016	0.0325	0.0108	0.0505	0.0173
Copper	0.214	0.355	0.201	0.274	0.206	0.932	0.549	0.429	8.52	0.069	0.465	0.343	0.24	0.213	0.517	0.329	1.29	0.505
Iron	3.95	4.72	2.33	3.36	3.63	14.7	11	17.6	5.36	1.25	14.2	10.6	11.4	6.78	42	7.7	60.4	15.1
Lead	<0.0013	0.0128	<0.0013	<0.0013	<0.0013	1.39	<0.0013	<0.0013	0.0547	0.0052	0.0519	0.0163	0.0389	0.0061	<0.0013	0.0531	0.0838	0.0754
Lithium	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.12	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	273	272	277	290	307	236	157	155	288	21.7	271	235	257	111	235	238	230	329
Manganese	0.042	0.196	0.056	0.176	0.19	0.16	0.079	0.088	0.269	0.029	0.353	0.133	0.232	0.05	0.087	0.166	0.55	0.44
Mercury	0.182	0.517	0.164	0.148	0.37	0.618	0.352	0.0787	0.0917	0.01	0.142	0.155	0.717	0.514	0.172	0.12	0.238	0.197
Molybdenum	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	0.499	0.933	0.715
Nickel	0.045	0.093	0.023	0.06	0.086	0.103	0.085	0.102	0.21	0.036	0.165	0.184	0.143	0.048	0.111	0.142	1.07	0.14
Phosphorus	2240	2690	2530	2900	2970	2390	1300	1320	2410	201	2060	1960	2580	786	2100	2020	2120	2860
Potassium	3920	4420	4580	4910	4890	3710	2090	2040	4030	346	3500	3010	3760	1260	3220	3120	3220	4340

Lake	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq	Nanuq
Fish ID	1	2	3	4	5	6	7	9	10	12	13	14	15	16	17	18	19	20
Date Sampled	1-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	3-Sep-24	6-Sep-24	6-Sep-24	7-Sep-24	8-Sep-24	12-Sep-24	12-Sep-24	13-Sep-24	13-Sep-24	14-Sep-24	14-Sep-24	14-Sep-24	14-Sep-24	16-Sep-24
Laboratory Sample ID	CWE326	CWD680	CWD681	CWD682	CWD683	CWD684	CWD685	CWD686	CWE016	CWE327	CWE328	CWE329	CWE330	CWE331	CWE332	CWE333	CWE334	CWE335
Tissue Type	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug
Rubidium	7.7	11.5	10.1	9.38	12.4	8.58	6.53	4.57	10.3	0.948	8.33	5.31	8.84	2.71	6.15	5.94	11.7	9.18
Selenium	0.291	0.369	0.315	0.335	0.397	0.443	0.293	0.226	1.31	0.029	0.276	0.312	0.347	0.248	0.385	0.351	0.492	0.368
(Dry wt) Selenium	1.4	1.74	1.41	1.49	1.8	1.71	1.92	0.949	0.283	0.12	1.52	1.22	2.07	0.897	1.34	1.32	1.28	1.11
Silver	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0024	<0.0013	<0.0013	<0.0013	0.0026	<0.0013	<0.0013	0.0374	0.07	0.0596
Sodium	274	314	221	284	305	495	345	576	450	47.5	626	466	577	235	1060	386	878	684
Strontium	0.074	1.28	0.076	1.49	2.15	0.117	0.079	0.164	0.698	0.024	0.188	0.094	2.64	0.107	0.595	1.08	1.25	1.79
Tellurium		<0.0040	0.0045	0.0066	0.0045	<0.0040	0.0052	<0.0040	<0.0040	-	-	-	-	-	-	1.3	2.52	1.41
Thallium	0.00538	0.0117	0.00573	0.0056	0.00781	0.0113	0.00955	0.0059	0.00882	0.00077	0.00562	0.01	0.00717	0.00182	0.0125	0.0272	0.0524	0.0408
Tin	<0.020	0.022	<0.020	<0.020	<0.020	<0.020	0.056	0.023	0.035	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.399	0.76	0.63
Titanium	0.3	0.27	<0.13	0.21	0.17	0.31	0.4	<0.13	0.17	<0.13	0.47	0.35	0.27	0.15	0.79	0.84	1.11	0.99
Uranium	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	0.0226	0.041	0.0327
Vanadium	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Zinc	2.8	4.08	2.41	4.29	5.06	8.8	5.36	9.97	8.26	1	10.5	5.59	5.91	8.05	34.9	2.99	8.71	7.54
Zirconium	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	0.26	0.393	0.412

Lake	Nanuq	Nanuq	Nanuq	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Counts
Fish ID	24	25	26	1	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Date Sampled	16-Sep-24	16-Sep-24	16-Sep-24	20-Aug-24	21-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	21-Aug-24	21-Aug-24	22-Aug-24	22-Aug-24
Laboratory Sample ID	CWE336	CWE337	CWE338	CWE233	CWD703	CWD704	CWD705	CWD706	CWD707	CWD708	CWD709	CWE238	CWE239	CWE240	CWE241	CWE242	CWE243	CWE244
Tissue Type	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug
Physical Tests																		
% Moisture	76	77	73	81	78	79	69	63	75	75	71	75	78	72	75	73	62	78
Total Metals and Nutrients																		
Aluminum	9.36	7.58	4.86	<0.50	2.47	5.43	4.37	2.76	3.01	8.51	2.1	1.91	2.38	1.36	3.06	2.21	1.26	1.74
Antimony	1.08	0.846	0.362	<0.0020	0.0035	<0.0020	0.007	0.0034	<0.0020	0.0048	0.0028	<0.0020	0.0057	<0.0020	0.0022	0.0043	<0.0020	0.0032
Arsenic	0.0603	0.0364	0.0184	0.0073	0.0131	0.0284	0.0275	0.0093	0.0432	0.014	0.0125	0.0314	0.0225	0.0178	<0.0050	0.0397	0.0226	0.0487
Barium	0.134	0.081	0.089	0.017	0.053	0.088	<0.010	0.579	0.127	0.137	0.038	0.047	0.083	0.073	0.049	0.158	0.015	0.885
Beryllium	0.0227	0.0224	0.0128	<0.0020	<0.0020	0.0047	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Bismuth	0.0191	0.0151	0.0102	<0.0013	<0.0013	0.0038	0.0015	<0.0013	0.0082	0.0072	0.0028	0.0036	0.0057	0.0028	<0.0013	0.0027	0.0014	0.0023
Boron	1.01	0.67	0.29	<0.20	<0.20	0.24	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium	0.005	0.004	0.003	<0.0013	<0.0013	0.0066	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0018	<0.0013	<0.0013	<0.0013	0.0028	0.0039
Calcium	460	466	306	105	303	233	155	58.1	89.5	107	237	58.8	68.5	339	164	1400	40.9	319
Cesium	0.07	0.0289	0.0767	0.0166	0.0235	0.0225	0.005	0.0363	0.0118	0.0084	0.0019	0.0179	0.0171	0.0131	0.008	0.035	0.043	0.0116
Chromium	0.083	0.079	0.055	0.031	0.074	0.101	0.107	<0.025	0.07	0.252	<0.025	0.055	0.026	0.095	0.029	0.137	0.086	0.078
Cobalt	0.0106	0.0078	0.0095	0.0063	0.0054	0.0178	0.01	0.009	0.0123	0.0108	0.0163	0.011	0.0139	0.0181	0.0067	0.02	0.0137	0.0081
Copper	0.296	0.245	0.382	0.154	0.353	0.27	0.365	1.2	0.339	0.444	0.239	0.247	0.253	0.267	0.174	0.292	1.74	0.227
Iron	5.35	8.3	7.16	3.02	5.13	5.47	5.93	12.8	6.27	11.2	4.6	5.09	10.8	5.51	2.26	7.32	21.2	5.72
Lead	0.0618	0.0402	0.0419	0.0072	0.0033	0.0366	<0.0013	0.002	0.0036	0.016	<0.0013	0.0064	0.0036	0.0034	0.0053	0.0067	0.0063	0.0213
Lithium	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	290	249	305	240	260	298	255	233	278	319	346	262	320	288	217	300	164	235
Manganese	0.2	0.178	0.133	0.129	0.143	0.195	0.069	0.136	0.142	0.118	0.148	0.124	0.099	0.157	0.12	0.557	0.174	0.157
Mercury	0.159	0.149	0.136	0.0065	0.225	0.0978	0.0881	0.306	0.166	0.23	0.118	0.0804	0.225	0.175	0.0733	0.204	0.59	0.0477
Molybdenum	0.546	0.425	0.292	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	0.0086	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080
Nickel	0.156	0.089	0.069	<0.010	0.057	0.095	0.188	0.064	0.117	0.137	0.247	0.063	0.074	0.073	0.031	0.13	0.059	0.064
Phosphorus	2570	2250	2710	2120	2160	2390	2210	2350	2580	2330	2730	2210	2600	2490	1940	3110	1900	2010
Potassium	4590	3690	4610	3530	3420	3870	3760	3850	4700	3470	4340	3460	3720	3640	3000	4130	2450	3050

Lake	Nanuq	Nanuq	Nanuq	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Counts
Fish ID	24	25	26	1	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Date Sampled	16-Sep-24	16-Sep-24	16-Sep-24	20-Aug-24	21-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	20-Aug-24	21-Aug-24	21-Aug-24	22-Aug-24	22-Aug-24
Laboratory Sample ID	CWE336	CWE337	CWE338	CWE233	CWD703	CWD704	CWD705	CWD706	CWD707	CWD708	CWD709	CWE238	CWE239	CWE240	CWE241	CWE242	CWE243	CWE244
Tissue Type	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug
Rubidium	13.5	7.47	12.6	6.59	6.72	5.6	5.2	7.44	7.02	5.16	6.03	4.2	5.02	4.31	3.83	5.46	5.82	4.87
Selenium	0.304	0.324	0.379	0.107	0.245	0.215	0.213	0.243	0.235	0.232	0.23	0.142	0.275	0.182	0.132	0.194	0.255	0.139
(Dry wt) Selenium	1.28	1.4	1.4	0.554	1.11	1.04	0.687	0.663	0.936	0.934	0.792	0.558	1.25	0.643	0.56	0.725	0.678	0.641
Silver	0.0477	0.0356	0.0119	<0.0013	<0.0013	0.0034	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0018	0.0025	<0.0013	0.0023	0.0023	<0.0013
Sodium	227	346	303	164	325	326	381	457	583	442	345	289	351	300	181	421	495	252
Strontium	0.67	0.892	0.519	0.188	1.23	0.403	0.284	0.125	0.126	0.196	0.499	0.128	0.114	0.796	0.404	3.47	0.06	0.771
Tellurium	1.35	0.876	0.709	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	0.0216	<0.0040	-	-	-	-	-	-	-
Thallium	0.0312	0.0244	0.0233	0.00223	0.00917	0.00312	0.002	0.00585	0.00136	0.0024	0.00312	0.00214	0.00321	0.00312	0.00178	0.003	0.0107	0.00129
Tin	0.548	0.329	0.276	<0.020	<0.020	0.069	<0.020	<0.020	<0.020	0.089	0.072	<0.020	<0.020	<0.020	0.044	0.043	<0.020	<0.020
Titanium	0.81	0.57	0.51	<0.13	<0.13	<0.13	0.16	0.28	0.41	0.45	0.39	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
Uranium	0.0244	0.0187	0.0144	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	0.00119	0.00179	0.00156	0.00133	0.002	0.0014	0.00129
Vanadium	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Zinc	4.76	4.27	4.31	3.15	4.51	4.7	4.52	5.18	5.68	5.41	4.69	3.82	5.01	4.55	3.55	6.73	9.94	3.49
Zirconium	0.304	0.221	0.113	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040

Lake	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Vulture	Vulture	Vulture	Vulture	Vulture	Vulture
Fish ID	18	19	20	21	22	22	23	23	24	24	25	25	1	2	3	4	5	6
Date Sampled	22-Aug-24	22-Aug-24	22-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	20-Aug-24	20-Aug-24	9-Aug-24	9-Aug-24	9-Aug-24	22-Aug-24	22-Aug-24	1-Sep-24
Laboratory Sample ID	CWE245	CWE246	CWF779	CWF780	CWE216	CWE225	CWE217	CWF782	CWE218	CWF783	CWE214	CWE234	CWD695	CWD696	CWD697	CWD698	CWD699	CWF785
Tissue Type	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Liver	Muscle	Liver	Tissue Plug	Liver	Tissue Plug	Liver	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug
Physical Tests																		
% Moisture	71	67	73	77	72	72	73	72	73	74	63	80	75	77	63	76	68	79
Total Metals and Nutrients																		
Aluminum	6.77	4.38	6.48	4.91	1	0.52	0.55	2.26	1.21	1.44	1.27	1.75	2.73	2.34	1.9	1.45	6.16	1.37
Antimony	0.0035	0.0078	0.521	0.345	<0.0020	0.0021	<0.0020	0.0036	<0.0020	<0.0020	0.002	0.0032	0.0025	0.0027	<0.0020	<0.0020	0.0074	<0.0020
Arsenic	0.0498	0.0267	0.0547	0.0716	0.0253	0.0492	0.0199	0.024	0.0166	0.0086	0.0681	0.015	0.0242	0.0202	0.0476	0.0152	0.0426	0.0098
Barium	0.093	0.338	0.141	0.096	0.011	<0.010	<0.010	0.024	0.015	0.013	0.021	0.082	0.043	0.044	0.013	0.011	0.17	0.821
Beryllium	<0.0020	<0.0020	0.0147	0.0136	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Bismuth	<0.0013	0.0039	0.0091	0.0096	0.0017	<0.0013	<0.0013	<0.0013	0.0029	<0.0013	0.0018	<0.0013	0.0014	0.0065	0.0022	<0.0013	<0.0013	<0.0013
Boron	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium	<0.0013	0.0022	0.0031	0.003	0.062	<0.0013	0.0818	0.0026	0.0943	<0.0013	0.0858	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
Calcium	619	1430	1180	447	66.2	65.5	41.6	77	61.6	133	89.2	450	118	101	56.1	65	597	39.6
Cesium	0.011	0.0239	0.0163	0.0298	0.0059	0.0115	0.0035	0.0177	0.006	0.0268	0.0133	0.0166	0.0206	0.0142	0.03	0.0779	0.0293	0.0601
Chromium	0.181	0.31	0.195	0.063	<0.025	<0.025	<0.025	0.042	<0.025	<0.025	0.078	0.134	1.86	0.066	<0.025	0.294	0.116	<0.025
Cobalt	0.0104	0.0094	0.0272	0.0091	0.0628	0.0041	0.088	0.0081	0.112	0.0098	0.0945	0.0084	0.0281	0.0138	0.0111	0.0154	0.0133	0.0082
Copper	8.73	0.347	0.348	0.208	7.44	0.143	6.51	0.258	4.34	0.263	22	0.336	0.288	0.592	0.837	0.531	1.03	0.167
Iron	6.42	10.2	10.2	4.18	139	2.48	170	3.28	301	3.13	172	4.43	14.7	13.8	16.2	16.5	9.27	2.93
Lead	0.01	0.0167	0.0466	0.0389	0.0047	0.0045	0.0014	0.006	0.0027	0.004	0.0054	0.0121	0.0047	0.0263	0.0052	<0.0013	<0.0013	0.0056
Lithium	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	179	361	277	279	139	228	106	365	153	333	184	224	253	176	211	284	366	191
Manganese	0.249	0.778	0.328	0.261	1.62	0.085	1.31	0.152	1.6	0.154	1.94	0.305	0.324	0.125	0.123	0.163	0.313	0.065
Mercury	0.0916	0.104	0.114	0.0567	0.071	0.0103	0.079	0.0726	0.125	0.0746	0.0311	0.027	0.19	0.114	0.102	0.249	0.0851	0.426
Molybdenum	<0.0080	<0.0080	0.339	0.243	0.116	<0.0080	0.13	<0.0080	0.142	<0.0080	0.146	<0.0080	0.0297	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080
Nickel	0.025	0.08	0.147	0.086	0.017	0.041	0.011	0.065	0.013	0.092	0.109	0.084	0.89	0.063	0.083	0.223	0.08	0.028
Phosphorus	1920	3500	2640	2410	3270	2030	2510	3140	3330	2890	3980	2060	2090	1560	2000	2580	3210	1750
Potassium	2140	4340	3720	3980	1870	3470	1600	5430	2230	4960	2580	3030	3280	2130	2870	4420	4890	3040

Lake	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Counts	Vulture	Vulture	Vulture	Vulture	Vulture	Vulture
Fish ID	18	19	20	21	22	22	23	23	24	24	25	25	1	2	3	4	5	6
Date Sampled	22-Aug-24	22-Aug-24	22-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	20-Aug-24	20-Aug-24	9-Aug-24	9-Aug-24	9-Aug-24	22-Aug-24	22-Aug-24	1-Sep-24
Laboratory Sample ID	CWE245	CWE246	CWF779	CWF780	CWE216	CWE225	CWE217	CWF782	CWE218	CWF783	CWE214	CWE234	CWD695	CWD696	CWD697	CWD698	CWD699	CWF785
Tissue Type	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Liver	Muscle	Liver	Tissue Plug	Liver	Tissue Plug	Liver	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug
Rubidium	2.8	6.76	5.56	8.77	3.63	4.56	2.6	7.12	4.64	7.92	7.23	5.85	4.38	3.3	5	6.93	7.77	6.31
Selenium	0.144	0.235	0.19	0.178	0.726	0.128	1.07	0.215	0.973	0.214	1.67	0.11	0.187	0.158	0.187	0.233	0.246	0.21
(Dry wt) Selenium	0.497	0.71	0.716	0.765	2.61	0.451	3.93	0.775	3.55		4.5	0.54	0.75	0.679	0.505	0.988	0.767	1
Silver	<0.0013	0.0014	0.0122	0.0109	0.0823	<0.0013	0.0601	<0.0013	0.0146	<0.0013	0.129	<0.0013	0.0025	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
Sodium	275	356	506	246	1060	200	780	254	929	271	886	249	510	659	640	389	607	205
Strontium	1.5	4.56	2.14	1.03	0.246	0.116	0.156	0.07	0.202	0.141	0.265	1.1	0.238	0.245	0.111	0.035	1.35	0.079
Tellurium	-	-	0.748	0.545	<0.0040	<0.0040	<0.0040	<0.0040	0.0041	<0.0040	-	-	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Thallium	0.00235	0.00306	0.0228	0.018	0.0192	0.00238	0.02	0.00447	0.0314	0.004	0.0211	0.0021	0.00583	0.0106	0.0126	0.0181	0.0119	0.0085
Tin	<0.020	<0.020	0.329	0.288	<0.020	<0.020	<0.020	0.029	<0.020	0.022	<0.020	<0.020	0.051	<0.020	<0.020	<0.020	<0.020	0.024
Titanium	<0.13	0.44	0.44	0.26	0.16	<0.13	<0.13	<0.13	0.19	<0.13	0.15	<0.13	0.38	0.33	0.16	0.31	0.22	<0.13
Uranium	0.00118	0.0025	0.0147	0.00977	<0.00040	<0.00040	<0.00040	0.00043	0.00051	0.0004	0.00116	0.00161	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040
Vanadium	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Zinc	8.17	7.51	6.42	4.11	25.8	3.04	24.1	4.3	27.2	9.44	46.8	10.7	4.91	5.59	5.24	4.93	14.9	3.1
Zirconium	<0.040	<0.040	0.153	0.098	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040

Lake	Vulture	Vulture	Vulture	Vulture	Vulture	Vulture	Vulture	Vulture	Vulture	Vulture	Vulture	Vulture	Vulture	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak
Fish ID	7	8	9	10	11	12	13	15	16	18	19	20	20	1	2	3	4	5
Date Sampled	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	8-Sep-24	8-Sep-24	8-Sep-24	8-Sep-24	8-Sep-24	8-Sep-24	9-Sep-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24
Laboratory Sample ID	CWE247	CWE248	CWE249	CWE250	CWE251	CWE252	CWE253	CWE255	CWE256	CWE258	CWE259	CWG153	CWE228	CWD657	CWD658	CWD712	CWD659	CWD660
Tissue Type	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Liver	Muscle	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug
Physical Tests																		
% Moisture	74	75	78	80	74	81	84	76	71	65	82	72	75	87	81	83	77	82
Total Metals and Nutrients																		
Aluminum	0.7	1.51	2.66	2.06	2.23	1.67	1.39	1.42	1.36	1.52	1.2	3.07	0.59	1.06	1.25	1.89	2.59	1.22
Antimony	<0.0020	<0.0020	0.0027	<0.0020	0.0048	0.0056	0.0048	0.0041	<0.0020	0.006	0.0038	<0.0020	<0.0020	<0.0020	0.0022	0.0023	0.0046	<0.0020
Arsenic	0.0132	0.0137	0.0147	0.0154	0.0128	0.0074	0.0135	0.0722	0.0094	0.0351	0.0171	0.0676	0.0179	0.011	0.0156	0.0193	0.102	0.0251
Barium	0.04	0.175	0.148	0.095	0.127	0.179	<0.010	0.034	0.022	<0.010	0.071	0.012	0.01	0.012	0.082	0.045	0.064	0.048
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Bismuth	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0014	<0.0013	<0.0013	0.0018	0.0019	<0.0013	<0.0013	<0.0013	0.0015	<0.0013	<0.0013	0.0018	0.0016
Boron	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.25	0.34	0.28	0.45	0.23	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.415	<0.0013	<0.0013	<0.0013	<0.0013	0.0013	<0.0013
Calcium	50.8	278	78.1	37.9	51.1	44.4	58.4	64.2	103	62.4	347	47.8	65.1	29.6	38.2	135	89.3	51.6
Cesium	0.0483	0.0304	0.0227	0.0197	0.0928	0.0403	0.0404	0.0059	0.0094	0.007	0.0224	0.0171	0.0303	0.0572	0.0343	0.0451	0.0491	0.0556
Chromium	<0.025	<0.025	0.064	0.166	0.029	0.07	0.037	0.059	0.07	0.046	0.035	0.086	<0.025	0.12	0.038	<0.025	0.044	<0.025
Cobalt	0.0087	0.0089	0.0198	0.0043	0.0063	0.0063	0.0178	0.0194	0.0282	0.0157	0.0178	0.175	0.0129	0.0046	0.0085	0.0038	0.0096	0.0267
Copper	0.158	0.186	0.199	0.16	0.247	0.213	0.168	0.6	0.188	0.359	0.169	16.9	0.238	0.215	0.201	0.192	0.176	0.158
Iron	4.11	5.05	6.78	4.51	2.07	4.16	3.56	12.7	5.63	7.54	8.67	1200	3.92	4.67	3.41	2.57	5.17	3.47
Lead	0.0092	0.0227	0.0676	0.0508	0.0185	0.0822	0.0052	0.0098	0.016	0.003	0.0022	0.0036	0.0019	0.0081	0.0153	0.0067	0.0305	0.0046
Lithium	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	254	243	186	209	225	237	157	106	141	145	215	169	273	258	236	271	260	278
Manganese	0.09	0.17	0.112	0.092	0.077	0.127	0.064	0.113	0.082	0.072	0.202	4.11	0.103	0.014	0.02	0.065	0.081	0.049
Mercury	0.145	0.197	0.13	0.0986	0.395	0.0528	0.119	0.102	0.0891	0.108	0.199	0.324	0.0331	0.596	0.532	0.403	0.645	0.815
Molybdenum	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	0.212	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080
Nickel	0.031	0.054	0.055	0.04	0.118	0.031	0.029	0.031	0.044	0.08	0.083	0.083	0.022	0.05	0.052	0.026	0.069	0.11
Phosphorus	2330	2300	1660	1600	2100	2010	1210	905	1230	1210	1810	4120	2430	2360	2100	2360	2360	2470
Potassium	3970	3450	2800	2590	3230	3580	1920	1200	1890	1560	2780	2730	4180	4030	3550	4460	4160	4380

Lake	Vulture	Vulture	Vulture	Vulture	Vulture	Vulture	Vulture	Vulture	Vulture	Vulture	Vulture	Vulture	Vulture	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak
Fish ID	7	8	9	10	11	12	13	15	16	18	19	20	20	1	2	3	4	5
Date Sampled	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	1-Sep-24	8-Sep-24	8-Sep-24	8-Sep-24	8-Sep-24	8-Sep-24	8-Sep-24	9-Sep-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24
Laboratory Sample ID	CWE247	CWE248	CWE249	CWE250	CWE251	CWE252	CWE253	CWE255	CWE256	CWE258	CWE259	CWG153	CWE228	CWD657	CWD658	CWD712	CWD659	CWD660
Tissue Type	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Liver	Muscle	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug
Rubidium	5.83	5.18	4.33	3.28	8.25	5.09	3.77	1.56	2.16	2.37	4.07	5.03	6.26	7.29	4.49	6.52	5.93	7.32
Selenium	0.217	0.191	0.176	0.149	0.229	0.144	0.16	0.162	0.121	0.158	0.205	2.35	0.215	0.24	0.217	0.171	0.223	0.219
(Dry wt) Selenium	0.845	0.775	0.816	0.754	0.871	0.756	0.991	0.67	0.416	0.453	1.13	8.49	0.87	1.78	1.16	0.728	1.29	1.21
Silver	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0024	0.0032	0.0019	0.211	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
Sodium	247	271	178	170	256	160	374	511	528	627	656	1250	313	164	205	292	278	245
Strontium	0.061	0.716	0.142	0.045	0.085	0.063	0.135	0.108	0.176	0.102	0.809	0.129	0.09	<0.013	<0.013	0.241	0.135	<0.013
Tellurium	-	-	-	-	-	<0.0040	0.0071	<0.0040	0.011	0.0157	0.0093	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	0.0059	<0.0040
Thallium	0.00792	0.00964	0.00868	0.00591	0.0121	0.00764	0.00597	0.00939	0.005	0.00514	0.00897	0.15	0.0142	0.0129	0.0111	0.00849	0.0138	0.0113
Tin	0.051	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.026	0.076	<0.020	<0.020	0.115	0.023	<0.020	<0.020	<0.020
Titanium	<0.13	<0.13	<0.13	0.18	<0.13	0.14	<0.13	0.16	0.25	0.23	0.17	0.21	<0.13	<0.13	<0.13	0.15	0.27	0.14
Uranium	0.00073	0.00095	0.00053	0.00052	0.00067	0.00372	0.00779	0.0114	0.0128	0.0135	0.00897	0.00243	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040
Vanadium	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.068	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Zinc	3.29	3.49	3.05	2.52	2.72	2.86	6.91	5.51	4.4	5.29	6.31	36.3	3.11	2.74	3.18	2.53	3.71	3.4
Zirconium	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040

Lake	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak	Leslie	Leslie	Leslie
Fish ID	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	1	2	4
Date Sampled	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24
Laboratory Sample ID	CWD661	CWD662	CWD663	CWD664	CWD665	CWE316	CWE317	CWE318	CWE319	CWE320	CWE321	CWE322	CWE323	CWE324	CWE325	CWE017	CWE018	CWE019
Tissue Type	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug
Physical Tests																		
% Moisture	79	79	82	79	81	72	75	78	77	79	69	73	77	78	80	77	75	76
Total Metals and Nutrients																		
Aluminum	2.92	2.22	2.28	1.34	1.32	1.62	1.86	0.72	2.03	1.16	2.47	1.74	0.78	1.79	0.67	8.82	5.33	1.59
Antimony	0.0036	0.0041	0.0031	<0.0020	0.0029	0.0024	<0.0020	0.003	0.0364	<0.0020	0.0022	0.0043	<0.0020	<0.0020	<0.0020	1.1	0.652	0.101
Arsenic	0.0176	0.0131	0.0144	0.0308	0.0111	0.0103	0.0061	0.0139	0.0092	0.0067	0.0136	0.011	0.0112	0.017	0.0238	0.0538	0.0381	0.0225
Barium	0.049	0.034	0.457	0.15	0.015	0.049	0.113	0.184	0.012	0.012	0.019	0.086	0.064	0.02	0.052	0.228	0.098	0.058
Beryllium	0.0041	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0303	0.0157	0.0021
Bismuth	0.0019	0.0018	<0.0013	0.0017	0.0019	<0.0013	<0.0013	0.0014	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.002	0.0254	0.0141	0.0022
Boron	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	1.2	0.7	<0.20
Cadmium	0.0037	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0071	0.0046	<0.0013
Calcium	148	41	294	124	25.1	64.4	52	384	53.1	49.3	51.9	364	53.1	52.4	49.1	543	423	83.1
Cesium	0.0655	0.0537	0.0326	0.106	0.0478	0.0373	0.0376	0.0715	0.04	0.0365	0.0398	0.0487	0.0495	0.0588	0.0947	0.0543	0.0317	0.0629
Chromium	<0.025	0.043	0.155	0.025	<0.025	<0.025	0.034	0.029	0.044	0.069	0.086	0.026	0.054	0.13	<0.025	0.062	0.041	<0.025
Cobalt	0.0105	0.0051	0.0177	0.0042	0.0049	0.0042	0.0042	0.0066	0.0023	0.0072	0.0283	0.0069	0.0081	0.008	0.002	0.0303	0.0103	0.0077
Copper	0.23	0.133	0.195	0.413	0.157	1.6	0.366	0.178	0.19	0.162	0.315	0.393	0.19	0.191	0.132	0.317	0.222	0.188
Iron	2.41	5.83	3.94	2.37	1.56	3.16	3.47	3.75	4.45	5.31	6.48	6.18	3.06	3.82	1.75	5.55	3.68	2.59
Lead	0.0123	0.0098	0.0153	0.0111	0.0036	0.0015	0.004	0.004	0.0062	<0.0013	<0.0013	<0.0013	<0.0013	0.0018	<0.0013	0.0821	0.0478	0.0107
Lithium	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	291	248	242	241	218	339	303	279	303	266	278	277	293	290	280	259	278	271
Manganese	0.081	0.043	0.051	0.02	0.02	0.088	0.086	0.143	0.079	0.076	0.082	0.13	0.067	0.089	0.084	0.236	0.135	0.444
Mercury	0.725	0.653	0.489	0.614	0.677	0.547	0.414	0.627	0.541	0.659	0.494	0.422	0.658	0.622	1.19	0.437	0.482	0.535
Molybdenum	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	0.0491	0.0138	0.811	0.499	0.0605
Nickel	0.156	0.087	0.13	0.101	0.042	0.177	0.078	0.053	0.065	0.063	0.047	0.049	0.047	0.045	0.027	0.217	0.055	0.034
Phosphorus	2570	2200	2260	2230	2030	2810	2470	2520	2450	2340	2330	2560	2490	2490	2350	2260	2480	2510
Potassium	4590	3830	3540	3540	3460	5300	4630	4400	4470	4470	4050	4170	4640	4760	4520	3730	4320	4570

Lake	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak	Kodiak	Leslie	Leslie	Leslie
Fish ID	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	1	2	4
Date Sampled	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24
Laboratory Sample ID	CWD661	CWD662	CWD663	CWD664	CWD665	CWE316	CWE317	CWE318	CWE319	CWE320	CWE321	CWE322	CWE323	CWE324	CWE325	CWE017	CWE018	CWE019
Tissue Type	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug
Rubidium	8.4	6.53	4.73	7.35	6.65	5.77	6.22	6.94	7.36	4.5	5.74	5.71	6.34	8.75	8.46	9.43	8.79	10.2
Selenium	0.237	0.252	0.201	0.263	0.175	0.245	0.219	0.199	0.174	0.185	0.211	0.201	0.223	0.235	0.223	1.81	1.85	1.81
(Dry wt) Selenium	1.15	1.21	1.1	1.26	0.923	0.869	0.858	0.893	0.763	0.862	0.671	0.74	0.988	1.06	1.1	7.88	7.51	7.64
Silver	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.036	0.0195	0.0036
Sodium	222	213	180	322	175	318	245	301	258	293	357	353	336	386	266	202	210	241
Strontium	<0.013	<0.013	0.609	0.157	<0.013	0.09	0.087	0.984	0.06	0.053	0.065	0.873	0.074	0.07	0.046	0.899	0.943	0.144
Tellurium	<0.0040	<0.0040	<0.0040	<0.0040	0.0044	-	-	-	-	-	-	-	-	-	-	1.73	1.19	0.188
Thallium	0.0145	0.015	0.00971	0.0115	0.0102	0.00985	0.0118	0.00869	0.00962	0.0171	0.0119	0.017	0.00783	0.014	0.0121	0.0584	0.0409	0.0122
Tin	0.075	0.632	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.025	<0.020	<0.020	0.696	0.396	0.048
Titanium	0.18	0.28	0.18	<0.13	<0.13	0.22	0.2	0.14	0.29	<0.13	0.14	0.18	<0.13	0.17	0.16	0.68	0.42	<0.13
Uranium	0.00326	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	0.0353	0.0206	0.00469
Vanadium	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Zinc	13.6	3.03	3.67	9.75	2.58	3.72	3.77	4.05	2.71	3.05	3.95	4.82	2.98	4.32	3.08	3.68	3.54	3.02
Zirconium	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	0.293	0.204	0.046

Lake	Leslie	Leslie	Leslie	Leslie	Leslie	Leslie	Leslie	Leslie	Leslie	Leslie	Leslie	Leslie	Leslie	Leslie	Leslie	Leslie	Moose	Moose
Fish ID	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	1	2
Date Sampled	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	23-Aug-24	23-Aug-24
Laboratory Sample ID	CWE020	CWE021	CWE022	CWE023	CWE024	CWE025	CWE339	CWE340	CWE341	CWE342	CWE343	CWE344	CWE345	CWE346	CWE347	CWE348	CWD666	CWD667
Tissue Type	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug
Physical Tests																		
% Moisture	80	77	77	76	78	81	79	76	78	78	73	75	78	78	75	78	79	82
Total Metals and Nutrients																		
Aluminum	0.8	1.14	48.9	3.98	0.91	0.71	1.8	3.88	2.2	8.41	2.28	1.49	1.54	2.12	1.95	1.6	11.2	17.9
Antimony	0.0035	0.0037	13.3	0.0457	0.0077	0.006	0.182	0.253	0.206	0.187	0.197	0.114	0.1	0.162	0.189	0.148	0.0067	0.0028
Arsenic	0.0192	0.0069	0.64	0.0052	0.0119	0.0183	0.0174	0.0233	0.0149	0.0152	0.0151	0.0123	0.009	0.0159	0.0179	0.0226	0.0102	0.0109
Barium	<0.010	0.075	0.631	<0.010	0.299	0.185	0.074	0.13	0.054	0.03	0.071	0.074	0.102	0.051	0.077	0.039	0.26	0.028
Beryllium	<0.0020	<0.0020	0.186	<0.0020	<0.0020	<0.0020	0.0054	0.0069	0.0033	0.0062	0.005	0.0031	0.0026	0.0061	0.0036	0.0028	0.0026	<0.0020
Bismuth	<0.0013	<0.0013	0.157	<0.0013	<0.0013	<0.0013	0.0036	0.0064	0.0048	0.0051	0.0041	0.0023	0.0026	0.0035	0.0038	0.0035	0.0013	<0.0013
Boron	<0.20	<0.20	5.92	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium	<0.0013	<0.0013	0.0575	<0.0013	0.0013	<0.0013	0.0016	0.0024	0.0017	<0.0013	0.0014	<0.0013	<0.0013	0.0025	<0.0013	<0.0013	0.0019	<0.0013
Calcium	50.7	635	3020	51.6	269	40.4	127	164	139	131	135	341	333	119	124	108	668	45.9
Cesium	0.0685	0.0364	0.0503	0.0344	0.0351	0.0524	0.0384	0.0539	0.0254	0.0598	0.0287	0.0376	0.0347	0.0582	0.0744	0.0807	0.0559	0.0425
Chromium	<0.025	<0.025	0.27	<0.025	<0.025	<0.025	0.028	0.052	0.043	<0.025	0.028	<0.025	0.025	<0.025	0.05	0.025	0.061	0.231
Cobalt	0.0035	0.0055	0.0636	0.0044	0.0037	0.0138	0.0062	0.0085	0.0066	0.0052	0.0047	0.0035	0.0051	0.0051	0.0045	0.0044	0.0119	0.0058
Copper	0.227	0.186	0.923	0.178	0.163	0.167	0.19	0.272	0.178	0.268	0.22	0.214	0.205	0.274	0.291	0.202	0.32	0.119
Iron	2.02	3.45	14.7	2.45	3.48	1.95	3.72	3.51	4.27	2.22	3.65	2.06	5.6	3.27	2.68	2.39	14.7	4.95
Lead	0.0025	0.0023	0.558	0.0028	0.0043	0.0023	0.0154	0.0218	0.0177	0.0156	0.0173	0.0108	0.0091	0.0139	0.0144	0.0119	0.0215	<0.0013
Lithium	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	254	257	349	270	270	249	269	281	271	306	268	282	242	255	251	263	223	171
Manganese	0.073	0.12	0.964	0.078	0.136	0.061	0.101	0.097	0.092	0.113	0.101	0.14	0.149	0.074	0.085	0.105	0.796	0.077
Mercury	0.513	0.435	0.406	0.508	0.575	0.494	0.635	0.555	0.467	0.508	0.487	0.3	0.543	0.469	0.472	0.571	0.31	0.317
Molybdenum	0.0088	<0.0080	6.9	0.0202	<0.0080	<0.0080	0.128	0.187	0.135	0.137	0.132	0.082	0.0787	0.13	0.156	0.116	0.0154	<0.0080
Nickel	0.033	0.053	0.623	0.028	0.032	0.018	0.028	0.065	0.045	0.055	0.064	0.049	0.041	0.06	0.042	0.04	0.128	0.062
Phosphorus	2360	2660	2500	2480	2600	2400	2440	2530	2380	2780	2400	2730	2320	2410	2510	2470	2220	1500
Potassium	4480	4250	4610	4360	4480	4430	4370	4330	4190	5200	4160	4560	3900	4540	4440	4550	3170	2810

Lake	Leslie	Leslie	Leslie	Leslie	Leslie	Leslie	Leslie	Leslie	Leslie	Leslie	Leslie	Leslie	Leslie	Leslie	Leslie	Leslie	Moose	Moose
Fish ID	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	1	2
Date Sampled	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	23-Aug-24	23-Aug-24
Laboratory Sample ID	CWE020	CWE021	CWE022	CWE023	CWE024	CWE025	CWE339	CWE340	CWE341	CWE342	CWE343	CWE344	CWE345	CWE346	CWE347	CWE348	CWD666	CWD667
Tissue Type	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug
Rubidium	10.7	8.84	10.3	7.86	9.18	8.89	7.3	10.1	8.48	12.4	8.15	11.1	8.22	10.1	10.6	9.79	7.06	5.27
Selenium	1.93	1.68	2.68	1.78	1.68	1.55	1.8	2.09	1.92	2.29	2.23	2.03	1.54	1.91	2.18	1.89	0.663	0.422
(Dry wt) Selenium	9.48	7.24	11.8	7.29	7.49	7.97	8.63	8.56	8.9	10.2	8.14	8.04	7	8.77	8.64	8.73	3.14	2.29
Silver	<0.0013	<0.0013	0.434	0.003	<0.0013	<0.0013	0.0046	0.0063	0.0045	0.005	0.0063	0.0027	0.0035	0.004	0.0066	0.0044	<0.0013	<0.0013
Sodium	258	282	248	210	318	257	324	335	303	183	269	217	260	232	219	263	264	276
Strontium	0.121	3.06	4.97	0.082	1.26	0.112	0.261	0.293	0.285	0.213	0.275	1.83	1.72	0.205	0.223	0.195	2.99	0.135
Tellurium	0.0053	0.0144	20.3	0.05	0.0151	<0.0040	0.363	0.489	0.404	0.245	0.22	0.172	0.165	0.269	0.38	0.237	<0.0040	<0.0040
Thallium	0.00975	0.0107	0.305	0.0107	0.0115	0.0116	0.0218	0.0216	0.0217	0.0186	0.0213	0.0161	0.0129	0.0193	0.0206	0.0196	0.00926	0.00344
Tin	<0.020	<0.020	5.08	0.021	0.03	<0.020	0.117	0.167	0.142	0.123	0.115	0.077	0.062	0.095	0.116	0.098	0.045	<0.020
Titanium	<0.13	<0.13	7.1	<0.13	<0.13	<0.13	0.17	0.3	0.17	0.19	0.18	<0.13	0.21	0.2	<0.13	0.19	0.33	0.21
Uranium	0.00109	0.00116	0.205	0.00116	0.00096	0.00052	0.00557	0.00776	0.00619	0.00619	0.00582	0.00333	0.00335	0.00551	0.00558	0.00454	0.00204	<0.00040
Vanadium	<0.020	<0.020	0.026	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Zinc	3.35	4.53	18.6	3.22	4.61	3.05	4.09	3.4	3.46	3.43	3.42	3.6	3.15	3.12	3.42	3.26	5.25	2.71
Zirconium	<0.040	<0.040	1.53	<0.040	<0.040	<0.040	0.054	0.072	0.061	0.065	0.072	0.043	<0.040	0.053	0.059	0.046	<0.040	<0.040

Lake	Moose	Moose	Moose	Moose	Moose	Moose	Moose	Moose	Moose	Moose	Moose	Moose	Moose	Moose	Moose	Moose	Moose	Moose
Fish ID	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Date Sampled	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24
Laboratory Sample ID	CWD668	CWD669	CWD670	CWD671	CWE015	CWD672	CWD673	CWD674	CWE307	CWE308	CWE309	CWE310	CWE311	CWE312	CWE313	CWE314	CWE315	CWF784
Tissue Type	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug
Physical Tests																		
% Moisture	79	82	81	77	79	79	78	77	77	72	77	77	74	77	75	74	77	76
Total Metals and Nutrients																		
Aluminum	1.15	0.87	1.35	1.99	1.81	1.97	0.89	0.97	0.58	3.11	1.69	1.13	1.17	1.69	1.2	0.76	<0.50	1.07
Antimony	<0.0020	<0.0020	0.0022	<0.0020	0.0027	<0.0020	<0.0020	<0.0020	0.0036	0.0046	<0.0020	<0.0020	<0.0020	0.0034	0.0024	<0.0020	0.0023	<0.0020
Arsenic	0.0111	0.0142	0.0106	0.0119	0.01	0.0112	<0.0050	0.0063	0.0253	0.0115	0.0085	<0.0050	0.0157	0.0279	0.0084	0.011	0.0118	<0.0050
Barium	0.036	0.041	0.16	0.099	0.013	0.031	<0.010	0.19	<0.010	0.53	0.03	0.024	0.022	0.034	0.027	0.275	0.031	0.024
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Bismuth	<0.0013	0.0019	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
Boron	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.002	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0018
Calcium	44.7	102	217	705	103	42.6	47.1	51.6	64.8	1230	59.2	180	63.8	139	85.4	81.1	55.3	53.5
Cesium	0.042	0.0486	0.0498	0.0356	0.0629	0.0389	0.0596	0.066	0.0381	0.032	0.0575	0.0551	0.0495	0.0543	0.0406	0.0568	0.0754	0.0317
Chromium	0.025	<0.025	<0.025	<0.025	0.036	0.067	<0.025	0.043	0.064	0.092	0.026	0.042	0.156	0.07	0.027	0.03	<0.025	0.031
Cobalt	0.0036	0.0038	0.005	0.0046	0.0032	0.0034	0.0035	0.0039	0.0193	0.0066	<0.0013	0.0026	0.0014	0.0038	0.002	0.0035	0.0022	0.003
Copper	0.15	0.084	0.11	0.189	0.29	0.161	0.224	0.215	0.141	0.198	0.508	0.184	0.199	0.236	0.243	0.191	0.289	0.17
Iron	3.62	2.39	4.73	2.67	2.92	3.59	2.23	2.57	4.39	4.96	2.65	2.68	3.41	4.65	3.42	3.09	2.35	2.09
Lead	<0.0013	<0.0013	<0.0013	<0.0013	0.0048	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0017	<0.0013	<0.0013	<0.0013	0.0018	<0.0013	<0.0013	0.002
Lithium	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	243	252	262	315	279	254	283	293	311	355	341	289	360	266	334	329	323	276
Manganese	0.079	0.032	0.126	0.233	0.099	0.13	0.078	0.078	0.077	0.356	0.132	0.116	0.142	0.113	0.137	0.098	0.085	0.161
Mercury	0.576	0.81	0.6	0.371	0.427	0.317	0.425	0.689	0.717	0.318	0.258	0.59	0.238	0.598	0.339	0.656	0.571	0.663
Molybdenum	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080
Nickel	0.027	0.049	0.046	0.073	0.11	0.025	0.031	0.042	0.031	0.062	0.046	0.03	0.05	0.026	0.062	0.029	0.028	0.035
Phosphorus	2250	2080	2290	2790	2360	2210	2620	2480	2710	3340	2830	2580	3050	2610	2840	2760	2740	2380
Potassium	4410	3920	4120	4370	4620	4010	4840	4610	4810	4710	5370	4710	5720	4940	5130	5020	5160	4110

Lake	Moose	Moose	Moose	Moose	Moose	Moose	Moose	Moose	Moose	Moose	Moose	Moose	Moose	Moose	Moose	Moose	Moose	Moose
Fish ID	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Date Sampled	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24
Laboratory Sample ID	CWD668	CWD669	CWD670	CWD671	CWE015	CWD672	CWD673	CWD674	CWE307	CWE308	CWE309	CWE310	CWE311	CWE312	CWE313	CWE314	CWE315	CWF784
Tissue Type	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug
Rubidium	7.84	5.79	6.82	6.46	8.3	6.72	9.75	9.95	6.58	8.97	8	7.19	9.59	9.72	9.09	10.3	11.1	5.21
Selenium	0.789	0.654	0.765	0.875	0.735	0.738	0.92	0.962	0.893	0.849	0.667	0.908	0.629	0.845	0.916	1.15	1.11	1.09
(Dry wt) Selenium	3.81	3.66	4.09	3.74	3.46	3.57	4.11	4.13	3.92	3.01	2.88	3.92	2.46	3.66	3.62	4.49	4.7	4.46
Silver	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
Sodium	173	256	227	221	213	180	195	245	258	294	198	315	256	374	283	314	285	217
Strontium	0.033	0.189	0.727	3.15	0.254	0.092	0.06	0.053	0.086	5.48	0.069	0.629	0.12	0.317	0.11	0.21	0.109	0.094
Tellurium	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	0.0062	<0.0040	<0.0040				<0.0040
Thallium	0.00567	0.00478	0.00659	0.00975	0.0067	0.00739	0.00842	0.00859	0.00788	0.0142	0.0116	0.00588	0.0125	0.00911	0.00811	0.00932	0.0117	0.00963
Tin	0.032	0.237	<0.020	<0.020	<0.020	<0.020	<0.020	0.021	<0.020	<0.020	0.025	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Titanium	0.2	<0.13	0.16	0.23	0.15	0.17	0.16	0.13	<0.13	0.24	0.26	<0.13	0.15	0.22	0.18	0.16	0.13	<0.13
Uranium	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	0.00055
Vanadium	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Zinc	2.68	3.06	3.8	4.87	3.03	2.7	2.87	3.28	3.45	7.11	3.52	3.34	3.46	3.77	6.43	3.35	3.48	2.95
Zirconium	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040

Lake	Nema	Nema	Nema	Nema	Nema	Nema	Nema	Nema	Nema	Nema	Nema	Nema	Nema	Nema	Nema	Nema	Nema	Nema
Fish ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Date Sampled	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	31-Aug-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	9-Sep-24	9-Sep-24	9-Sep-24
Laboratory Sample ID	CWE287	CWE288	CWE289	CWE290	CWE291	CWE292	CWE293	CWE294	CWE295	CWE296	CWE297	CWE298	CWE299	CWE300	CWE301	CWE302	CWE303	CWE304
Tissue Type	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug
Physical Tests																		
% Moisture	74	79	76	73	74	74	76	75	74	77	84	77	76	80	77	81	79	80
Total Metals and Nutrients																		
Aluminum	1.95	6.65	0.96	3.4	4.41	1.95	0.86	1.11	2.16	4.06	3.18	4.46	2.6	1.6	2.01	1.32	1.19	1.64
Antimony	<0.0020	0.0033	0.0023	0.0421	0.0028	0.002	0.0032	<0.0020	0.0026	0.0063	0.0077	0.0022	0.0062	0.0024	<0.0020	<0.0020	<0.0020	<0.0020
Arsenic	0.0076	0.0195	0.0126	0.0071	<0.0050	0.0086	0.0122	0.0164	0.0211	0.0189	0.0083	0.0156	0.0394	0.0065	0.007	0.0107	0.0059	0.0152
Barium	0.114	0.026	0.02	0.069	0.163	0.297	0.105	0.202	0.111	0.1	0.04	0.075	0.124	0.021	0.059	0.019	0.016	0.016
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	0.0139	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Bismuth	<0.0013	0.0015	<0.0013	0.0016	0.0018	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0014	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
Boron	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.39	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium	<0.0013	<0.0013	<0.0013	<0.0013	0.0021	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
Calcium	52.2	62.6	58.6	58.8	1580	515	515	610	234	146	185	57.2	71.1	131	311	50.8	55.8	55.9
Cesium	0.0258	0.0554	0.0637	0.0876	0.0639	0.0467	0.0312	0.0354	0.0387	0.0219	0.0372	0.046	0.0243	0.0254	0.0455	0.0245	0.0163	0.0371
Chromium	0.026	0.047	<0.025	0.282	0.078	0.034	0.033	0.036	0.033	0.315	0.236	<0.025	0.059	0.076	<0.025	0.047	0.047	0.041
Cobalt	0.0249	0.0031	0.0066	0.0055	0.008	0.0058	0.0073	0.0038	0.0062	0.0076	0.0071	0.0052	0.0321	0.0044	0.0046	0.0036	0.0025	0.0069
Copper	0.188	0.242	0.296	0.611	0.417	0.307	0.195	0.215	0.367	0.201	0.174	0.176	0.245	0.148	0.19	0.194	0.157	0.306
Iron	3.64	3.41	3.35	4.21	6.92	4.99	4.81	4.22	6.44	8.91	5.01	6.29	6.28	3.53	3.81	3.24	3.36	7.37
Lead	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.004	0.0161	0.0069	0.0144	0.0483	0.0021	0.0021	0.0026	0.0034	0.0045
Lithium	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	279	309	276	289	339	262	296	304	287	248	203	305	302	244	304	247	245	258
Manganese	0.089	0.083	0.072	0.102	0.268	0.158	0.17	0.218	0.217	0.165	0.094	0.105	0.207	0.046	0.154	0.078	0.079	0.13
Mercury	0.463	0.639	0.54	1.34	0.884	0.457	0.387	0.694	0.551	0.456	0.556	0.373	0.609	1.12	0.495	0.196	0.22	0.326
Molybdenum	<0.0080	<0.0080	<0.0080	0.0205	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	0.0091	<0.0080	0.0117	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080
Nickel	0.074	0.069	0.074	0.26	0.107	0.081	0.047	0.068	0.121	0.065	0.05	0.053	0.071	0.021	0.034	0.042	0.032	0.038
Phosphorus	2290	2500	2570	2780	3390	2550	2660	2770	2540	1960	1600	2620	2520	2040	2660	2010	1900	2000
Potassium	3880	4410	4840	5110	4640	4400	4290	4460	4200	3410	2680	4830	4580	3680	4840	3580	3470	3420

Lake	Nema	Nema	Nema	Nema	Nema	Nema	Nema	Nema	Nema	Nema	Nema	Nema	Nema	Nema	Nema	Nema	Nema	Nema
Fish ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Date Sampled	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	31-Aug-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	2-Sep-24	9-Sep-24	9-Sep-24	9-Sep-24
Laboratory Sample ID	CWE287	CWE288	CWE289	CWE290	CWE291	CWE292	CWE293	CWE294	CWE295	CWE296	CWE297	CWE298	CWE299	CWE300	CWE301	CWE302	CWE303	CWE304
Tissue Type	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug
Rubidium	6.28	8.71	10.5	10.2	8.62	7.52	7.35	6.51	9.82	5.64	4.93	8.95	6.75	5.24	8.6	6.01	5.73	6.95
Selenium	0.519	0.841	0.7	0.816	0.749	0.659	0.686	0.558	0.833	0.558	0.432	0.718	0.664	0.466	0.686	0.516	0.498	0.599
(Dry wt) Selenium	2	4.06	2.92	3.05	2.9	2.54	2.83	2.25	3.19	2.42	2.66	3.1	2.71	2.37	3.01	2.66	2.37	3.02
Silver	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0025	<0.0013	<0.0013	<0.0013	0.0013	<0.0013	<0.0013	<0.0013
Sodium	272	315	244	328	420	410	264	322	304	351	215	250	314	303	270	310	373	523
Strontium	0.072	0.131	0.107	0.093	6.12	2.29	2.19	2.25	0.916	0.525	0.652	0.097	0.144	0.348	1.36	0.119	0.156	0.108
Tellurium	<0.0040	<0.0040	0.0054	<0.0040	0.009	<0.0040	<0.0040	<0.0040	<0.0040	0.0066	0.0075	<0.0040	<0.0040	<0.0040	<0.0040	0.0084	<0.0040	<0.0040
Thallium	0.00491	0.0059	0.00631	0.00605	0.00769	0.00436	0.00433	0.00574	0.00623	0.00325	0.00323	0.00507	0.00383	0.00425	0.00522	0.00387	0.00535	0.00452
Tin	<0.020	0.031	<0.020	0.06	<0.020	<0.020	0.045	<0.020	<0.020	<0.020	0.026	0.021	<0.020	<0.020	<0.020	<0.020	<0.020	0.027
Titanium	<0.13	0.17	0.22	0.2	0.42	0.15	0.21	0.29	0.25	0.45	<0.13	0.28	0.22	<0.13	0.22	<0.13	0.23	0.19
Uranium	0.00073	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	0.00067	<0.00040	<0.00040	0.001	<0.00040	0.00068	<0.00040	<0.00040	0.0006	<0.00040	<0.00040	<0.00040
Vanadium	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Zinc	3.97	3.95	3.17	4.28	7.15	5.19	4.08	5.59	5.53	3.96	2.67	3.11	3.22	2.73	4.22	3.37	3.86	5.45
Zirconium	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040

Lake	Nema	Nema	Slipper	Slipper	Slipper	Slipper	Slipper	Slipper	Slipper	Slipper	Slipper	Slipper	Slipper	Slipper	Slipper	Slipper	Slipper	Slipper
Fish ID	19	20	1	2	3	4	6	7	9	10	11	12	13	14	15	16	17	18
Date Sampled	9-Sep-24	15-Sep-24	16-Sep-24	16-Sep-24	17-Aug-24	17-Aug-24	18-Aug-24	18-Aug-24	18-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24
Laboratory Sample ID	CWE305	CWE306	CWD687	CWD688	CWD689	CWD690	CWD691	CWD692	CWD693	CWD694	CWE262	CWE263	CWE264	CWE265	CWE266	CWE267	CWE268	CWE269
Tissue Type	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug
Physical Tests																		
% Moisture	83	82	84	71	76	80	77	80	81	82	80	86	79	75	76	77	80	77
Total Metals and Nutrients																		
Aluminum	1.57	1.86	6.21	3.38	2.97	1	1.3	3.44	1.75	2.33	2.12	1.97	1.13	4.84	5.31	4.34	2.06	3.83
Antimony	0.0028	<0.0020	0.0047	0.0022	0.0023	<0.0020	0.003	0.0033	<0.0020	0.0023	0.0124	0.0036	0.0053	0.0071	0.0082	0.0054	0.0036	0.0045
Arsenic	0.0157	0.0309	0.0053	0.0454	0.0236	<0.0050	0.0091	0.037	0.0242	0.016	0.0155	0.0145	0.0166	0.0139	0.0484	0.0302	0.0178	0.0228
Barium	0.027	0.021	0.033	0.076	0.064	0.013	0.053	0.039	0.018	0.048	0.128	0.044	0.087	0.077	0.616	0.08	0.94	0.099
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Bismuth	<0.0013	<0.0013	<0.0013	<0.0013	0.0021	<0.0013	<0.0013	<0.0013	<0.0013	0.0014	0.0021	<0.0013	<0.0013	0.0039	<0.0013	0.0021	0.0016	<0.0013
Boron	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.28	<0.20	<0.20	0.34	0.23	0.23	0.41	0.26	0.25	<0.20	0.2
Cadmium	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
Calcium	114	102	219	729	62.6	30.9	111	136	54.5	45.5	90	176	866	183	3520	53.8	61.8	601
Cesium	0.0386	0.0778	0.0411	0.0468	0.0589	0.0069	0.0462	0.0182	0.0493	0.0338	0.0158	0.0241	0.0336	0.0222	0.0292	0.0874	0.0484	0.0064
Chromium	0.135	0.051	0.152	0.142	0.027	0.521	<0.025	0.079	<0.025	0.053	0.032	0.03	1.31	0.309	0.647	0.041	0.045	0.057
Cobalt	0.0067	0.0111	0.0095	0.0122	0.007	0.0041	0.0036	0.0067	<0.0013	0.0038	0.0088	0.0023	0.0066	0.0063	0.0145	0.0061	0.0045	0.0075
Copper	0.329	0.97	0.208	0.67	0.191	0.353	0.245	0.375	0.26	0.26	0.825	0.176	0.262	0.221	0.489	0.141	0.162	0.258
Iron	10.5	14.7	6.35	22.6	4.01	10.7	3.53	8.78	4.55	6.65	6.2	3.72	14.2	8.66	13.3	4.57	3.63	5.31
Lead	0.0124	0.0185	0.069	<0.0013	<0.0013	<0.0013	<0.0013	0.0037	0.0167	0.0865	0.0682	0.135	0.0157	53.9	0.122	0.0407	0.244	0.0166
Lithium	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	245	205	247	255	285	20.4	324	277	252	234	316	189	262	291	275	239	187	207
Manganese	0.19	0.149	0.188	0.25	0.055	0.076	0.083	0.126	0.09	0.113	0.203	0.149	0.248	0.15	0.743	0.145	0.138	0.202
Mercury	0.667	1.89	0.257	0.619	0.812	0.0783	0.195	0.244	0.717	0.207	0.251	0.206	0.179	0.428	0.295	1.03	0.851	0.364
Molybdenum	<0.0080	<0.0080	<0.0080	0.0095	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	0.0104	<0.0080	0.0103	<0.0080	<0.0080	<0.0080
Nickel	0.085	0.041	0.157	0.098	0.06	0.03	0.112	0.115	0.066	0.026	0.095	0.021	0.099	0.412	0.392	0.039	0.063	0.056
Phosphorus	2140	1860	2610	2590	2410	280	2760	2500	2140	1810	2750	1640	2550	2610	3490	2100	1660	1960
Potassium	3770	2800	5110	3410	4420	289	4870	4420	3840	3260	4990	2900	3770	4490	2580	3690	2890	2740

Lake	Nema	Nema	Slipper	Slipper	Slipper	Slipper	Slipper	Slipper	Slipper	Slipper	Slipper	Slipper	Slipper	Slipper	Slipper	Slipper	Slipper	Slipper
Fish ID	19	20	1	2	3	4	6	7	9	10	11	12	13	14	15	16	17	18
Date Sampled	9-Sep-24	15-Sep-24	16-Sep-24	16-Sep-24	17-Aug-24	17-Aug-24	18-Aug-24	18-Aug-24	18-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	19-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24
Laboratory Sample ID	CWE305	CWE306	CWD687	CWD688	CWD689	CWD690	CWD691	CWD692	CWD693	CWD694	CWE262	CWE263	CWE264	CWE265	CWE266	CWE267	CWE268	CWE269
Tissue Type	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug
Rubidium	6.42	5.19	7.72	6.12	7.33	0.809	8.96	6.13	6.25	6.93	6.7	6.68	7.25	7.23	5.66	5.9	5.9	3.06
Selenium	0.533	0.552	0.214	0.3	0.29	0.044	0.28	0.249	0.339	0.266	0.226	0.21	0.21	0.263	0.242	0.23	0.196	0.194
(Dry wt) Selenium	3.17	2.98	1.33	1.03	1.2	0.222	1.2	1.24	1.78	1.51	1.12	1.48	0.992	1.03	1.02	1.01	0.96	0.827
Silver	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0089	0.0019	<0.0013	<0.0013	<0.0013	0.0028	0.0307	0.0468	0.0079	0.0059	0.0021
Sodium	505	666	337	520	381	113	222	452	313	259	279	155	380	270	415	251	162	301
Strontium	0.524	0.365	0.465	3.05	0.116	0.128	0.355	0.217	0.131	0.095	0.089	0.727	4.04	0.751	15.6	0.09	0.176	2.67
Tellurium	0.0102	<0.0040	<0.0040	<0.0040	0.0077	<0.0040	<0.0040	<0.0040	0.0121	<0.0040	<0.0040	<0.0040	0.0104	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Thallium	0.0049	0.00457	0.00526	0.00829	0.00617	0.00344	0.0105	0.00778	0.00488	0.00635	0.00939	0.0105	0.00491	0.0105	0.00447	0.00558	0.00563	0.00681
Tin	0.025	<0.020	0.067	<0.020	<0.020	<0.020	<0.020	0.023	<0.020	<0.020	<0.020	<0.020	0.022	0.033	<0.020	0.027	<0.020	<0.020
Titanium	0.22	0.24	0.65	<0.13	0.18	<0.13	0.17	0.28	0.18	<0.13	0.25	0.18	0.2	0.39	0.54	0.34	0.15	0.21
Uranium	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	0.0115	0.00554	0.00623	0.00756	0.00921	0.00628	0.00338	0.00617
Vanadium	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Zinc	4.76	10.5	4.77	8.68	3.45	4.35	3.26	7.22	3.99	3.06	8.57	2.67	4.89	4.83	10.2	3.45	2.96	4.96
Zirconium	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040

Lake	Slipper	Slipper	Slipper	Slipper	Slipper	Slipper	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo
Fish ID	19	20	22	22	25	26	1	2	3	4	5	6	7	8	9	10	11	12
Date Sampled	26-Aug-24	26-Aug-24	16-Aug-24	16-Aug-24	26-Aug-24	26-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	25-Aug-24
Laboratory Sample ID	CWE270	CWE271	CWE219	CWE229	CWE272	CWE273	CWD647	CWD648	CWD649	CWD650	CWD651	CWD652	CWD653	CWD654	CWD655	CWD656	CWE274	CWE275
Tissue Type	Tissue Plug	Tissue Plug	Liver	Muscle	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug
Physical Tests																		
% Moisture	75	78	73	80	73	74	77	76	81	86	72	83	74	77	78	79	78	75
Total Metals and Nutrients																		
Aluminum	3.78	4.6	1.21	1.21	3.12	4.18	5.74	2.62	3.9	2.43	2.55	3.35	3.36	2.11	5.31	6.31	5.75	103
Antimony	0.0026	0.0083	<0.0020	<0.0020	0.0038	<0.0020	0.0074	<0.0020	0.0056	<0.0020	0.0057	0.0034	0.0038	0.0025	0.0205	0.0043	0.006	0.0076
Arsenic	0.0249	0.0187	0.0166	<0.0050	0.0117	0.01	0.0262	0.0124	0.0225	0.0084	0.0124	0.0166	0.0241	0.0171	0.0255	0.0118	0.0243	0.0515
Barium	0.041	0.099	0.015	<0.010	0.031	0.063	0.096	0.043	0.19	0.057	0.093	0.167	0.374	0.087	0.109	0.178	0.092	70.2
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0073	<0.0020	<0.0020	<0.0020
Bismuth	<0.0013	<0.0013	0.0029	<0.0013	0.0033	0.002	<0.0013	0.0018	0.0019	0.0016	<0.0013	0.0113	0.0024	0.0025	0.005	0.002	0.0024	0.0024
Boron	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium	<0.0013	<0.0013	0.0943	<0.0013	<0.0013	0.003	0.0041	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0023	<0.0013	0.0073	0.0043
Calcium	44.7	105	61.6	56.3	168	224	399	22.8	1020	23.4	1260	339	2260	49.7	241	136	80.5	70.4
Cesium	0.0977	0.072	0.006	0.0254	0.05	0.0335	0.0291	0.0131	0.0203	0.0232	0.0168	0.0323	0.0503	0.0276	0.137	0.0193	0.0297	0.0687
Chromium	0.053	0.173	<0.025	<0.025	0.108	0.413	0.206	0.042	0.045	0.061	0.063	0.142	0.089	0.038	0.069	0.029	<0.025	1.35
Cobalt	0.0049	0.0103	0.112	0.0038	0.0113	0.0104	0.01	0.0061	0.0125	0.0086	0.0078	0.0131	0.0087	0.0078	0.0214	0.01	0.0087	0.01
Copper	0.345	0.904	4.34	0.222	0.624	0.267	0.828	0.445	0.896	0.419	0.306	0.569	0.479	0.343	0.827	0.132	0.234	0.424
Iron	3.4	12.2	301	2.22	5.18	9.91	8.9	12.3	8.46	14.6	4.43	19.3	11	6.55	8.46	1.92	6.25	14.9
Lead	0.0694	0.0317	0.0027	<0.0013	0.0075	<0.0013	0.0162	0.0122	0.0206	0.0086	0.0057	0.0219	0.0409	0.007	0.0246	0.0155	<0.0013	0.0722
Lithium	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	227	168	153	267	333	308	301	223	246	202	328	179	198	334	604	217	315	383
Manganese	0.137	0.233	1.6	0.081	0.209	0.138	0.224	0.044	0.158	0.032	0.287	0.163	0.31	0.058	0.551	0.055	0.101	0.504
Mercury	1.31	0.655	0.125	0.0318	0.415	0.447	0.0837	0.359	0.355	0.345	0.266	1.28	3.78	0.493	0.338	0.317	0.434	0.304
Molybdenum	<0.0080	<0.0080	0.142	<0.0080	0.0142	<0.0080	<0.0080	<0.0080	0.0178	0.0086	<0.0080	<0.0080	0.0082	<0.0080	0.0109	<0.0080	<0.0080	0.0107
Nickel	0.091	0.142	0.013	0.019	0.218	0.172	0.414	0.705	0.232	0.178	0.117	0.673	0.225	0.134	0.527	0.062	0.144	0.145
Phosphorus	2160	1600	3330	2510	2760	2740	2720	2020	2810	2100	3430	1880	2690	2980	5700	2070	2590	3070
Potassium	3730	2320	2230	4490	4600	4800	4480	3280	3560	3340	4600	2640	2240	5020	9990	3470	4740	5570

Lake	Slipper	Slipper	Slipper	Slipper	Slipper	Slipper	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo
Fish ID	19	20	22	22	25	26	1	2	3	4	5	6	7	8	9	10	11	12
Date Sampled	26-Aug-24	26-Aug-24	16-Aug-24	16-Aug-24	26-Aug-24	26-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	25-Aug-24
Laboratory Sample ID	CWE270	CWE271	CWE219	CWE229	CWE272	CWE273	CWD647	CWD648	CWD649	CWD650	CWD651	CWD652	CWD653	CWD654	CWD655	CWD656	CWE274	CWE275
Tissue Type	Tissue Plug	Tissue Plug	Liver	Muscle	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug
Rubidium	8.08	6.23	4.64	7.1	11.2	5.83	5.56	3.56	5.23	5.19	5.62	5.58	5.92	7.2	18	4.51	5.93	8.92
Selenium	0.268	0.202	0.973	0.216	0.321	0.265	0.34	0.385	0.438	0.426	0.568	0.43	0.644	0.652	0.664	0.364	0.509	0.512
(Dry wt) Selenium	1.07	0.929	5.37	1.06	5.37	1.03	1.48	1.59	2.32	3	2.04	2.53	2.48	2.83	3.03	1.7	2.34	2.02
Silver	0.0015	<0.0013	0.0146	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
Sodium	215	598	929	232	363	329	135	183	404	365	269	400	352	292	506	158	293	269
Strontium	0.129	0.416	0.202	0.164	0.43	0.806	0.8	<0.013	2.12	<0.013	2.83	0.622	4.82	<0.013	0.116	0.108	0.215	1.69
Tellurium	<0.0040	0.018	0.0041	<0.0040	<0.0040	0.008	0.0059	0.0118	0.0188	0.0046	<0.0040	<0.0040	<0.0040	0.0068	<0.0040	0.005	0.0203	<0.0040
Thallium	0.00766	0.0123	0.0314	0.00956	0.00958	0.00739	0.00324	0.00196	0.00312	0.0025	0.0027	0.00339	0.00282	0.00407	0.0268	0.002	0.00378	0.00315
Tin	<0.020	<0.020	<0.020	<0.020	<0.020	0.058	0.024	0.105	0.034	0.04	<0.020	0.149	0.02	0.023	0.191	0.051	0.054	<0.020
Titanium	<0.13	0.19	0.19	0.15	0.33	0.22	0.6	<0.13	<0.13	<0.13	0.22	0.23	0.49	0.28	0.22	<0.13	0.45	0.51
Uranium	0.00489	0.00733	0.00051	<0.00040	0.00667	<0.00040	0.00118	0.00137	0.00094	0.00091	0.00135	0.00065	0.00225	<0.00040	0.00364	<0.00040	<0.00040	<0.00040
Vanadium	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.03	<0.020	<0.020	<0.020
Zinc	2.94	5.73	27.2	3.28	5.09	4.2	4.75	3.35	39.5	5.58	5.71	6.12	7.77	5.77	10.3	3.11	3.84	8.64
Zirconium	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	0.081	<0.040	<0.040	<0.040

Lake	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo
Fish ID	13	15	16	17	18	19	20	21	21	22	22	23	23
Date Sampled	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	24-Aug-24	25-Aug-24	24-Aug-24	25-Aug-24	24-Aug-24
Laboratory Sample ID	CWE276	CWE278	CWE279	CWE280	CWE281	CWE282	CWE283	CWE220	CWE284	CWE221	CWE285	CWE222	CWE286
Tissue Type	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Liver	Tissue Plug	Liver	Tissue Plug	Liver	Tissue Plug
Physical Tests													
% Moisture	82	79	62	76	80	79	78	73	77	88	86	83	81
Total Metals and Nutrients													
Aluminum	4.98	1.89	2.36	2.8	3.17	2.49	1.33	<0.50	2.27	1.67	3.15	0.91	1.46
Antimony	0.0046	0.003	0.0034	0.0032	0.0047	<0.0020	0.0041	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Arsenic	0.0388	0.0175	0.0198	0.0328	0.028	0.0126	0.0157	0.0057	0.0365	0.0508	0.0156	0.0066	0.0117
Barium	0.609	1.67	0.049	1.63	0.191	0.114	0.023	0.019	0.078	0.037	0.025	<0.010	<0.010
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Bismuth	0.0032	0.0027	<0.0013	<0.0013	<0.0013	0.0017	<0.0013	0.0018	0.0021	0.0116	0.003	0.0023	<0.0013
Boron	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium	0.0032	<0.0013	0.0019	0.0025	0.0018	<0.0013	<0.0013	0.0269	0.0021	0.0559	0.0023	0.0467	<0.0013
Calcium	1070	53.8	56	54.6	938	526	93.9	35.2	794	76.7	54.8	42	13.3
Cesium	0.0295	0.0375	0.0342	0.0698	0.0247	0.0326	0.0409	0.0114	0.0373	0.0106	0.0279	0.0157	0.005
Chromium	0.628	0.106	0.144	0.199	0.027	0.047	<0.025	0.19	<0.025	<0.025	<0.025	<0.025	<0.025
Cobalt	0.0124	0.0082	0.0208	0.0119	0.0064	0.0123	0.0096	0.0542	0.0133	0.0886	0.0084	0.0413	0.0024
Copper	0.242	0.223	1.76	1.08	0.22	0.637	0.221	5.62	0.231	10.1	0.169	1.43	0.033
Iron	12.2	4.86	30.5	22.9	5.11	3.81	2.42	48.9	3.72	157	2.15	248	0.57
Lead	0.0217	0.0134	0.0059	<0.0013	<0.0013	<0.0013	<0.0013	0.0018	<0.0013	0.018	<0.0013	<0.0013	<0.0013
Lithium	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	272	289	141	245	283	275	306	116	376	253	230	139	47.9
Manganese	0.291	0.083	0.198	0.168	0.348	0.154	0.079	1	0.511	2.13	0.066	1.73	<0.010
Mercury	0.338	0.299	1.87	1.92	0.316	0.424	0.107	0.067	0.0859	0.114	0.22	0.288	0.0497
Molybdenum	0.0098	<0.0080	0.0085	0.01	<0.0080	<0.0080	<0.0080	0.0893	<0.0080	0.157	<0.0080	0.0605	<0.0080
Nickel	0.146	0.136	0.089	0.087	0.127	0.144	0.041	0.343	0.059	0.034	0.086	0.011	0.05
Phosphorus	2640	2290	1760	2380	2840	2660	2540	2800	3420	5570	1890	2770	374
Potassium	3900	4170	1910	3890	4620	4810	4710	1970	5750	4160	3410	2570	684

Lake	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo	Cujo
Fish ID	13	15	16	17	18	19	20	21	21	22	22	23	23
Date Sampled	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	24-Aug-24	25-Aug-24	24-Aug-24	25-Aug-24	24-Aug-24
Laboratory Sample ID	CWE276	CWE278	CWE279	CWE280	CWE281	CWE282	CWE283	CWE220	CWE284	CWE221	CWE285	CWE222	CWE286
Tissue Type	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Tissue Plug	Liver	Tissue Plug	Liver	Tissue Plug	Liver	Tissue Plug
Rubidium	5.57	6.07	3.79	7.61	5.49	6.48	6.73	4.23	5.6	5.54	4.77	7.19	0.941
Selenium	0.404	0.398	0.626	1.06	0.561	0.459	0.374	1.04	0.44	1.72	0.378	0.653	0.085
(Dry wt) Selenium	2.24	1.91	1.65	4.33	2.75	2.15	1.71	3.91	1.93	13.9	2.7	3.82	0.447
Silver	<0.0013	<0.0013	0.0013	<0.0013	0.0029	0.0017	<0.0013	0.0341	<0.0013	0.0576	<0.0013	0.0032	<0.0013
Sodium	357	235	1030	466	279	309	239	659	286	1230	223	665	44.3
Strontium	1.88	0.082	0.089	0.084	2.16	1.02	0.127	0.101	1.48	0.181	0.075	0.073	<0.013
Tellurium	<0.0040	<0.0040	0.0066	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	0.0081	<0.0040	<0.0040
Thallium	0.0022	0.00179	0.00943	0.0106	0.00267	0.00362	0.0025	0.0178	0.00312	0.0241	0.00163	0.0577	<0.00040
Tin	<0.020	0.027	0.023	<0.020	<0.020	<0.020	<0.020	<0.020	0.083	<0.020	0.045	<0.020	<0.020
Titanium	0.36	0.26	<0.13	1.25	0.4	0.4	0.17	<0.13	0.32	0.3	0.14	0.14	0.14
Uranium	<0.00040	<0.00040	0.00151	<0.00040	0.00044	<0.00040	<0.00040	0.00056	<0.00040	0.00135	<0.00040	0.00652	<0.00040
Vanadium	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Zinc	4.14	2.6	8.02	6.96	4.33	4.47	3.62	20	5.78	40.1	2.73	13.7	0.81
Zirconium	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040

Notes:

< = less than detection limit

Metal results expressed in mg/kg wet weight, except for total (dry weight) selenium where results are expressed as mg/kg dry weight.

Table 3.9-18 Lake Trout Muscle Metals and Nutrients Detection Limits and Proportion Below Detection Limit for AEMP Lakes, 2024

Lake	Nanuq			Counts			Vulture			Kodiak			Leslie			Moose			Nema			Slipper			Cujo		
Statistic	**Min**	**Max**	**%BDL**	**Min**	**Max**	**%BDL**	**Min**	**Max**	**%BDL**	**Min**	**Max**	**%BDL**	**Min**	**Max**	**%BDL**	**Min**	**Max**	**%BDL**	**Min**	**Max**	**%BDL**	**Min**	**Max**	**%BDL**	**Min**	**Max**	**%BDL**
Total Metals and Nutrients																											
Aluminum	0.5	0.5	0	0.5	0.5	0	0.5	0.5	0	0.5	0.5	0	0.5	0.5	0	0.5	0.5	5	0.5	0.5	0	0.5	0.5	0	0.5	0.5	0
Antimony	0.002	0.002	24	0.002	0.002	26.09	0.002	0.002	44	0.002	0.002	40	0.002	0.002	0	0.002	0.002	55	0.002	0.002	35	0.002	0.002	17	0.002	0.002	27
Arsenic	0.005	0.005	5	0.005	0.005	4.35	0.005	0.005	0	0.005	0.005	0	0.005	0.005	0	0.005	0.005	15	0.005	0.005	5	0.005	0.005	9	0.005	0.005	0
Barium	0.01	0.01	5	0.01	0.01	8.7	0.01	0.01	11	0.01	0.01	0	0.01	0.01	11	0.01	0.01	10	0.01	0.01	0	0.01	0.01	4	0.01	0.01	5
Beryllium	0.002	0.002	71	0.002	0.002	86.96	0.002	0.002	100	0.002	0.002	95	0.002	0.002	26	0.002	0.002	95	0.002	0.002	95	0.002	0.002	100	0.002	0.002	95
Bismuth	0.0013	0.0013	67	0.0013	0.0013	34.78	0.0013	0.0013	67	0.0013	0.0013	55	0.0013	0.0013	26	0.0013	0.0013	90	0.0013	0.0013	80	0.0013	0.0013	61	0.0013	0.0013	32
Boron	0.2	0.2	71	0.2	0.2	95.65	0.2	0.2	72	0.2	0.2	100	0.2	0.2	84	0.2	0.2	100	0.2	0.2	95	0.2	0.2	65	0.2	0.2	100
Cadmium	0.0013	0.0013	67	0.0013	0.0013	60.87	0.0013	0.0013	100	0.0013	0.0013	90	0.0013	0.0013	53	0.0013	0.0013	85	0.0013	0.0013	95	0.0013	0.0013	96	0.0013	0.0013	55
Calcium	4	4	0	4	4	0	4	4	0	4	4	0	4	4	0	4	4	0	4	4	0	4	4	0	4	4	0
Cesium	0.001	0.001	0	0.001	0.001	0	0.001	0.001	0	0.001	0.001	0	0.001	0.001	0	0.001	0.001	0	0.001	0.001	0	0.001	0.001	0	0.001	0.001	0
Chromium	0.025	0.025	14	0.025	0.025	17.39	0.025	0.025	28	0.025	0.025	30	0.025	0.025	47	0.025	0.025	25	0.025	0.025	15	0.025	0.025	13	0.025	0.025	23
Cobalt	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	5	0.0013	0.0013	0	0.0013	0.0013	4	0.0013	0.0013	0
Copper	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0
Iron	0.25	0.25	0	0.25	0.25	0	0.25	0.25	0	0.25	0.25	0	0.25	0.25	0	0.25	0.25	0	0.25	0.25	0	0.25	0.25	0	0.25	0.25	0
Lead	0.0013	0.0013	33	0.0013	0.0013	8.7	0.0013	0.0013	11	0.0013	0.0013	25	0.0013	0.0013	0	0.0013	0.0013	75	0.0013	0.0013	40	0.0013	0.0013	26	0.0013	0.0013	36
Lithium	0.1	0.1	95	0.1	0.1	100	0.1	0.1	100	0.1	0.1	100	0.1	0.1	100	0.1	0.1	100	0.1	0.1	100	0.1	0.1	100	0.1	0.1	100
Magnesium	0.4	0.4	0	0.4	0.4	0	0.4	0.4	0	0.4	0.4	0	0.4	0.4	0	0.4	0.4	0	0.4	0.4	0	0.4	0.4	0	0.4	0.4	0
Manganese	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	5
Mercury	0.001	0.001	0	0.001	0.002	0	0.001	0.002	0	0.001	0.01	0	0.001	0.001	0	0.001	0.002	0	0.001	0.001	0	0.001	0.002	0	0.001	0.002	0
Molybdenum	0.008	0.008	71	0.008	0.008	86.96	0.008	0.008	94	0.008	0.008	90	0.008	0.008	16	0.008	0.008	95	0.008	0.008	85	0.008	0.008	83	0.008	0.008	64
Nickel	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0
Phosphorus	2	2	0	2	2	0	2	2	0	2	2	0	2	2	0	2	2	0	2	2	0	2	2	0	2	2	0
Potassium	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0
Rubidium	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0
Selenium	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0
(Dry Wt) Selenium	0.026	0.065	0	0.027	0.055	0	0.027	0.062	0	0.032	0.074	0	0.037	0.052	0	0.035	0.056	0	0.037	0.062	0	0.016	0.07	0	0.026	0.071	0
Silver	0.0013	0.0013	62	0.0013	0.0013	60.87	0.0013	0.0013	78	0.0013	0.0013	100	0.0013	0.0013	21	0.0013	0.0013	100	0.0013	0.0013	90	0.0013	0.0013	61	0.0013	0.0013	86
Sodium	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0
Strontium	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	30	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	18

Lake	Nanuq			Counts			Vulture			Kodiak			Leslie			Moose			Nema			Slipper			Cujo		
Statistic	Min	Max	%BDL	Min	Max	%BDL	Min	Max	%BDL	Min	Max	%BDL	Min	Max	%BDL	Min	Max	%BDL	Min	Max	%BDL	Min	Max	%BDL	Min	Max	%BDL
Tellurium	0.004	0.004	29	0.004	0.004	75	0.004	0.004	69	0.004	0.004	80	0.004	0.004	5	0.004	0.004	94	0.004	0.004	70	0.004	0.004	74	0.004	0.004	59
Thallium	0.0004	0.0004	0	0.0004	0.0004	0	0.0004	0.0004	0	0.0004	0.0004	0	0.0004	0.0004	0	0.0004	0.0004	0	0.0004	0.0004	0	0.0004	0.0004	0	0.0004	0.0004	5
Tin	0.02	0.02	52	0.02	0.02	60.87	0.02	0.02	72	0.02	0.02	75	0.02	0.02	16	0.02	0.02	75	0.02	0.02	65	0.02	0.02	74	0.02	0.02	36
Titanium	0.13	0.13	14	0.13	0.13	60.87	0.13	0.13	39	0.13	0.13	30	0.13	0.13	42	0.13	0.13	20	0.13	0.13	20	0.13	0.13	22	0.13	0.13	23
Uranium	0.0004	0.0004	71	0.0004	0.0004	34.78	0.0004	0.0004	39	0.0004	0.0004	95	-	-	-	0.0004	0.0004	90	0.0004	0.0004	75	0.0004	0.0004	43	0.0004	0.0004	55
Vanadium	0.02	0.02	100	0.02	0.02	100	0.02	0.02	100	0.02	0.02	100	0.02	0.02	95	0.02	0.02	100	0.02	0.02	100	0.02	0.02	100	0.02	0.02	95
Zinc	0.2	0.2	0	0.2	0.2	0	0.2	0.2	0	0.2	0.2	0	0.2	0.2	0	0.2	0.2	0	0.2	0.2	0	0.2	0.2	0	0.2	0.2	0
Zirconium	0.04	0.04	71	0.04	0.04	91.3	0.04	0.04	100	0.04	0.04	100	0.04	0.04	32	0.04	0.04	100	0.04	0.04	100	0.04	0.04	100	0.04	0.04	95

Notes:

BDL = below detection limit; max = maximum; min= minimum

Metal results expressed in mg/kg wet weight, except for total (dry weight) selenium where results are expressed as mg/kg dry weight.

Table 3.9-19 Lake Trout Liver Metals and Nutrients Detection Limits and Proportion Below Detection Limit for AEMP Lakes, 2024

Lake	Counts			Vulture			Slipper			Cujo		
Statistic	Min	Max	%BDL	Min	Max	%BDL	Min	Max	%BDL	Min	Max	%BDL
Aluminum	0.5	0.5	0.0	0.5	5	0.0	0.5	0.5	0.0	0.5	0.5	0.3
Antimony	0.002	0.002	0.8	0.002	0.002	1.0	0.002	0.002	1.0	0.002	0.002	1.0
Arsenic	0.005	0.005	0.0	0.005	0.005	0.0	0.005	0.005	0.0	0.005	0.005	0.0
Barium	0.01	0.01	0.3	0.01	0.01	0.0	0.01	0.01	0.0	0.01	0.01	0.3
Beryllium	0.002	0.002	1.0	0.002	0.002	1.0	0.002	0.002	1.0	0.002	0.002	1.0
Bismuth	0.0013	0.0013	0.3	0.0013	0.0013	1.0	0.0013	0.0013	1.0	0.0013	0.0013	0.0
Boron	0.2	0.2	1.0	0.2	0.2	1.0	0.2	0.2	1.0	0.2	0.2	1.0
Cadmium	0.0013	0.0013	0.0	0.0013	0.0013	0.0	0.0013	0.0013	0.0	0.0013	0.0013	0.0
Calcium	4	4	0.0	4	4	0.0	4	4	0.0	4	4	0.0
Cesium	0.001	0.001	0.0	0.001	0.001	0.0	0.001	0.001	0.0	0.001	0.001	0.0
Chromium	0.025	0.025	0.8	0.025	0.025	0.0	0.025	0.025	1.0	0.025	0.025	0.7
Cobalt	0.0013	0.0013	0.0	0.0013	0.0013	0.0	0.0013	0.0013	0.0	0.0013	0.0013	0.0
Copper	0.013	0.013	0.0	0.013	0.013	0.0	0.013	0.013	0.0	0.013	0.013	0.0
Iron	0.25	0.25	0.0	0.25	0.25	0.0	0.25	0.25	0.0	0.25	0.25	0.0
Lead	0.0013	0.0013	0.0	0.0013	0.0013	0.0	0.0013	0.0013	1.0	0.0013	0.0013	0.3
Lithium	0.1	0.1	1.0	0.1	0.1	1.0	0.1	0.1	1.0	0.1	0.1	1.0
Magnesium	0.4	0.4	0.0	0.4	0.4	0.0	0.4	0.4	0.0	0.4	0.4	0.0

Lake	Counts			Vulture			Slipper			Cujo		
Statistic	Min	Max	%BDL	Min	Max	%BDL	Min	Max	%BDL	Min	Max	%BDL
Manganese	0.01	0.01	0.0	0.01	0.01	0.0	0.01	0.01	0.0	0.01	0.01	0.0
Mercury	0.001	0.01	0.0	0.01	0.01	0.0	0.01	0.01	0.0	0.001	0.01	0.0
Molybdenum	0.008	0.008	0.0	0.008	0.008	0.0	0.008	0.008	0.0	0.008	0.008	0.0
Nickel	0.01	0.01	0.0	0.01	0.01	0.0	0.01	0.01	0.0	0.01	0.01	0.0
Phosphorus	2	2	0.0	2	2	0.0	2	2	0.0	2	2	0.0
Potassium	2.5	2.5	0.0	2.5	2.5	0.0	2.5	2.5	0.0	2.5	2.5	0.0
Rubidium	0.01	0.01	0.0	0.01	0.01	0.0	0.01	0.01	0.0	0.01	0.01	0.0
Selenium	0.01	0.01	0.0	0.01	0.01	0.0	0.01	0.01	0.0	0.01	0.01	0.0
(Dry Wt) Selenium	0.027	0.037	0.0	0.036	0.036	0.0	0.037	0.037	0.0	0.038	0.081	0.0
Silver	0.0013	0.0013	0.0	0.0013	0.0013	0.0	0.0013	0.0013	0.0	0.0013	0.0013	0.0
Sodium	2.5	2.5	0.0	2.5	2.5	0.0	2.5	2.5	0.0	2.5	2.5	0.0
Strontium	0.013	0.013	0.0	0.013	0.013	0.0	0.013	0.013	0.0	0.013	0.013	0.0
Tellurium	0.004	0.004	0.7	0.004	0.004	1.0	0.004	0.004	1.0	0.004	0.004	1.0
Thallium	0.0004	0.0004	0.0	0.0004	0.0004	0.0	0.0004	0.0004	0.0	0.0004	0.0004	0.0
Tin	0.02	0.02	1.0	0.02	0.02	1.0	0.02	0.02	1.0	0.02	0.02	1.0
Titanium	0.13	0.13	0.3	0.13	0.13	0.0	0.13	0.13	0.0	0.13	0.13	0.3
Uranium	0.0004	0.0004	0.5	0.0004	0.0004	0.0	0.0004	0.0004	0.0	0.0004	0.0004	0.0
Vanadium	0.02	0.02	1.0	0.02	0.02	0.0	0.02	0.02	1.0	0.02	0.02	1.0
Zinc	0.2	0.2	0.0	0.2	0.2	0.0	0.2	0.2	0.0	0.2	0.2	0.0
Zirconium	0.04	0.04	1.0	0.04	0.04	1.0	0.04	0.04	1.0	0.04	0.04	1.0

Notes:
Min = minimum value; Max = maximum value; BDL = below detection limit
All metal detection limits expressed in mg/kg wet weight.

Table 3.9-20: Round Whitefish Muscle and Liver Metal and Nutrient Concentrations for AEMP Lakes, 2024

Lake	Nanuq																					
Fish ID	1	1	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13
Date Sampled	30-Aug-24	30-Aug-24	01-Sep-24	01-Sep-24	01-Sep-24	01-Sep-24	01-Sep-24	01-Sep-24	01-Sep-24	01-Sep-24	01-Sep-24	01-Sep-24	01-Sep-24	01-Sep-24	01-Sep-24	01-Sep-24	01-Sep-24	01-Sep-24	01-Sep-24	01-Sep-24	01-Sep-24	01-Sep-24	01-Sep-24
Lab Sample ID	CWD159	CWD008	CWD161	CWD013	CWD162	CWD014	CWD163	CWD015	CWD164	CWD016	CWD165	CWD017	CWD166	CWD018	CWD167	CWD019	CWD168	CWD020	CWD169	CWD021	CWD170	CWD022	CWD171
Tisue Type	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle
Physical Tests																							
% Moisture	78	94	77	68	79	66	78	68	78	68	79	69	79	68	82	67	80	66	79	67	82	70	81
Total Metals and Nutrients																							
Aluminum	1.56	0.82	0.65	1.46	<0.50	3.17	<0.50	2.82	<0.50	2.21	<0.50	12	0.86	0.89	<0.50	1.01	2.95	2.92	1.46	2.07	<0.50	0.93	1.15
Antimony	<0.0020	<0.0020	<0.0020	0.003	<0.0020	0.0064	<0.0020	<0.0020	<0.0020	0.0021	<0.0020	0.0026	<0.0020	<0.0020	<0.0020	0.002	<0.0020	0.0034	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Arsenic	0.0221	0.0233	0.0186	0.0544	0.011	0.0602	0.0329	0.0793	0.023	0.0686	0.0198	0.07	0.0215	0.0747	0.031	0.128	0.0314	0.0695	0.0224	0.0468	0.019	0.0421	0.0276
Barium	0.043	0.016	0.04	0.03	<0.010	0.158	<0.010	0.039	<0.010	0.042	<0.010	0.539	0.016	0.027	0.019	0.028	0.393	0.042	0.019	0.031	<0.010	0.024	<0.010
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Bismuth	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
Boron	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium	<0.0013	0.0108	<0.0013	0.0589	<0.0013	0.04	<0.0013	0.04	<0.0013	0.0428	<0.0013	0.0378	<0.0013	0.0548	<0.0013	0.044	<0.0013	0.0717	<0.0013	0.0421	<0.0013	0.0353	<0.0013
Calcium	138	21.5	101	49.1	34.8	145	44.7	54.2	60.3	59.4	48.7	204	58.5	48	57.4	49.4	51.6	75.1	66.6	50.1	51	49.2	52.8
Cesium	0.0129	0.0057	0.0163	0.015	0.0112	0.0183	0.0347	0.0193	0.0157	0.0089	0.031	0.0285	0.021	0.0119	0.0224	0.0122	0.0341	0.0166	0.0273	0.0092	0.0227	0.0098	0.0221
Chromium	0.066	<0.025	<0.025	<0.025	<0.025	0.039	<0.025	0.029	<0.025	<0.025	<0.025	0.049	<0.025	<0.025	<0.025	<0.025	<0.025	0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Cobalt	0.0148	0.0387	0.0151	0.114	0.0079	0.0705	0.0182	0.104	0.0082	0.0822	0.0125	0.0989	0.0119	0.0606	0.0126	0.106	0.0106	0.0671	0.0153	0.0814	0.0182	0.134	0.0102
Copper	0.114	0.868	0.192	2.46	0.193	2.59	0.374	3.13	0.133	2.28	0.185	7.97	0.219	2.32	0.232	2.61	0.308	2.45	0.232	2.14	0.176	2.21	0.254
Iron	3.59	40	2.16	86.5	1.68	69.2	3.01	111	1.66	98.4	1.92	135	2.86	68.1	1.59	112	5.42	86.4	1.98	78.8	1.78	85.7	1.91
Lead	0.0038	0.0016	0.0073	0.0066	<0.0013	0.0085	<0.0013	0.0037	<0.0013	0.0045	<0.0013	0.0082	<0.0013	0.067	0.0019	0.0021	0.0079	0.0054	<0.0013	0.0038	<0.0013	0.0013	<0.0013
Lithium	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	188	70.3	228	182	170	200	237	184	231	185	239	200	293	182	245	188	283	208	299	181	279	188	285
Manganese	0.139	0.759	0.11	1.91	0.053	2.34	0.076	2.13	0.062	2.33	0.079	3.06	0.086	1.71	0.097	2.07	0.128	2.18	0.146	1.74	0.077	2.06	0.083
Mercury	0.034	0.021	0.0317	0.051	0.0315	0.054	0.0334	0.053	0.0377	0.056	0.0286	0.04	0.0299	0.046	0.0305	0.064	0.0373	0.0582	0.0408	0.066	0.0241	0.046	0.03
Molybdenum	<0.0080	0.0758	<0.0080	0.18	<0.0080	0.205	<0.0080	0.203	<0.0080	0.179	<0.0080	0.221	<0.0080	0.199	<0.0080	0.188	<0.0080	0.176	<0.0080	0.156	<0.0080	0.186	<0.0080
Nickel	<0.010	0.021	0.031	0.129	<0.010	0.057	<0.010	0.045	0.013	0.029	0.044	0.542	0.017	0.041	0.107	0.025	0.02	0.05	0.019	0.028	<0.010	0.034	<0.010
Phosphorus	1670	1530	2060	4410	1530	4720	2080	4330	2030	4420	2200	4640	2480	4270	2230	4710	2500	4640	2530	4200	2490	4430	2560
Potassium	2580	1350	3260	3780	2400	3340	3340	3500	3320	3240	3800	3450	4170	3460	4140	3510	4530	2950	4620	3260	4630	3440	4770
Rubidium	4.73	7.55	4.89	14.9	3.98	14.6	8	17.7	5.12	10.2	7.21	18.8	7.93	11.4	8.14	13.6	9.75	14.1	6.72	8.16	7.44	11.2	8.35
Selenium	0.243	0.476	0.274	1.33	0.19	1.23	0.265	1.25	0.218	1.18	0.213	1.16	0.277	1.11	0.212	1.26	0.232	1.19	0.264	1.03	0.266	1.13	0.224
(Dry Wt) Selenium	1.97	7.68	1.23	4.2	0.362	3.64	0.454	3.84	0.58	3.69	0.393	3.8	0.586	3.44	0.838	3.86	0.578	3.49	0.655	3.09	0.556	3.82	0.589
Silver	<0.0013	0.0013	<0.0013	0.0041	<0.0013	0.0058	<0.0013	0.0111	<0.0013	0.0031	<0.0013	0.0094	<0.0013	<0.0013	<0.0013	0.0032	<0.0013	0.0025	<0.0013	0.0027	<0.0013	0.0029	<0.0013
Sodium	128	320	167	937	120	975	170	1080	170	1100	194	994	196	1020	181	1050	191	848	215	843	192	1140	205
Strontium	0.439	0.083	0.289	0.202	0.077	0.592	0.099	0.214	0.128	0.272	0.081	0.866	0.126	0.198	0.148	0.211	0.113	0.344	0.139	0.19	0.102	0.25	0.112
Tellurium	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	0.0191	<0.0040	0.0065	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	0.0069	0.541	<0.0040	<0.0040	<0.0040	<0.0040	0.0279	<0.0040
Thallium	0.0045	0.0316	0.00558	0.0703	0.00342	0.0703	0.00606	0.0604	0.00383	0.056	0.00403	0.0561	0.00382	0.0455	0.00512	0.0532	0.00397	0.0471	0.00351	0.0414	0.00368	0.0425	0.0041
Tin	<0.020	0.024	<0.020	<0.020	0.163	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.289	<0.020	0.029	<0.020	<0.020	<0.020	<0.020	<0.020
Titanium	<0.13	<0.13	<0.13	<0.13	<0.13	0.27	<0.13	0.26	<0.13	0.16	<0.13	0.74	0.15	0.17	0.25	<0.13	0.48	0.28	0.26	0.27	0.27	0.21	0.28
Uranium	<0.00040	0.00066	<0.00040	0.00167	<0.00040	0.00242	<0.00040	0.00186	<0.00040	0.00159	<0.00040	0.00508	<0.00040	0.00144	<0.00040	0.00163	<0.00040	0.00154	<0.00040	0.00307	<0.00040	0.00143	<0.00040
Vanadium	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.024	<0.020	<0.020	<0.020	<0.020	0.032	<0.020	0.04	<0.020	0.023	<0.020	0.035
Zinc	2.42	9.35	2.85	24.8	2.38	24.9	4.56	23.4	3.03	24.5	3.55	23.8	3.81	21.9	3.8	24.8	4.26	24.9	5.08	21.9	3.14	24.4	4.66
Zirconium	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040

Notes:

< = less than detection limit

Metal results expressed in mg/kg wet weight, except for total (dry weight) selenium where results are expressed as mg/kg wet weight.

Lake	Nanuq *(cont'd)*																Counts						
Fish ID	**13**	**14**	**14**	**15**	**15**	**16**	**16**	**17**	**17**	**18**	**18**	**19**	**19**	**23**	**24**	**26**	**1**	**1**	**2**	**2**	**3**	**3**	**4**
Date Sampled	**01-Sep-24**	**01-Sep-24**	**01-Sep-24**	**01-Sep-24**	**01-Sep-24**	**01-Sep-24**	**01-Sep-24**	**01-Sep-24**	**01-Sep-24**	**01-Sep-24**	**01-Sep-24**	**07-Sep-24**	**07-Sep-24**	**01-Sep-24**	**01-Sep-24**	**08-Sep-24**	**13-Aug-24**	**13-Aug-24**	**13-Aug-24**	**13-Aug-24**	**13-Aug-24**	**13-Aug-24**	**15-Aug-24**
Lab Sample ID	**CWD023**	**CWB406**	**CWB311**	**CWB407**	**CWB312**	**CWB408**	**CWB313**	**CWB409**	**CWB314**	**CWB410**	**CWB315**	**CWB411**	**CWB316**	**CWB414**	**CWB415**	**CWG132**	**CWD047**	**CWC948**	**CWD048**	**CWC949**	**CWD049**	**CWC950**	**CWD050**
Tisue Type	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**
Physical Tests																							
% Moisture	70	78	70	79	68	80	69	77	70	75	76	76	75	80	79	73	75	70	78	71	78	71	77
Total Metals and Nutrients																							
Aluminum	3.04	0.55	0.95	0.69	3.2	0.52	1.85	2.24	1.87	<0.50	0.92	<0.50	2	3.44	1.4	2.82	<0.50	<0.50	<0.50	0.69	0.68	1.46	<0.50
Antimony	<0.0020	<0.0020	0.0026	<0.0020	0.0039	<0.0020	0.0036	0.0029	0.0026	0.0028	0.0031	<0.0020	0.0039	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Arsenic	0.098	0.0179	0.0323	0.0252	0.0523	0.0168	0.0715	0.0233	0.0543	0.0151	0.0263	0.0093	0.0404	0.0236	0.0353	0.0589	0.0139	0.0413	0.008	0.0361	0.017	0.0875	0.0264
Barium	0.094	0.039	0.021	0.033	0.035	<0.010	0.012	0.054	0.022	<0.010	<0.010	0.01	0.023	<0.010	<0.010	0.091	0.021	0.103	<0.010	0.043	0.011	<0.010	0.013
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Bismuth	<0.0013	<0.0013	0.0019	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0017	<0.0013	<0.0013	<0.0013	0.0041	0.0017
Boron	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium	0.0413	0.0016	0.0751	<0.0013	0.04	<0.0013	0.0447	0.0016	0.0409	<0.0013	0.0949	0.0015	0.054	<0.0013	<0.0013	0.0611	<0.0013	0.0265	<0.0013	0.0416	<0.0013	0.117	<0.0013
Calcium	62.8	73.4	102	73.1	60	47.7	74.9	70.6	75.8	52.9	58.9	64.8	85.6	58.6	58.8	139	49.4	49.8	52.1	165	43.6	78.2	66.6
Cesium	0.0167	-	0.026	-	0.0127	-	0.0107	-	0.0141	-	0.0146	-	0.0231	-	-	0.0119	0.0222	0.0076	0.0142	0.0045	0.0212	0.0125	0.0096
Chromium	0.026	<0.025	<0.025	<0.025	<0.025	<0.025	0.09	<0.025	<0.025	<0.025	0.031	<0.025	<0.025	<0.025	<0.025	0.139	<0.025	<0.025	<0.025	<0.025	<0.025	0.03	<0.025
Cobalt	0.0968	0.0078	0.114	0.0152	0.146	0.0068	0.121	0.0161	0.136	0.0165	0.181	0.018	0.112	0.0104	0.0133	0.488	0.0168	0.102	0.0041	0.0392	0.011	0.0874	0.0203
Copper	2.63	0.17	2.26	0.193	2.48	0.188	2.17	0.147	2.17	0.208	1.63	0.202	1.58	0.141	0.277	2.79	0.166	1.86	0.159	1.74	0.17	2.14	0.281
Iron	88.1	2.38	155	2.34	94.3	1.92	87.8	2	104	2.33	74.1	2.49	82.3	1.96	2.91	290	1.82	45.6	2.27	87.3	2.41	173	2.76
Lead	0.004	<0.0013	<0.0013	<0.0013	0.0024	<0.0013	<0.0013	<0.0013	0.0016	<0.0013	0.0014	<0.0013	0.0023	<0.0013	<0.0013	0.0051	0.0047	0.0383	0.0042	0.002	0.0045	0.0032	0.0045
Lithium	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	205	284	209	306	161	234	166	279	160	263	237	218	247	270	286	269	295	179	289	179	273	168	270
Manganese	2.3	0.052	2.02	0.061	1.89	0.056	1.78	0.052	1.88	0.048	3.16	0.03	3.49	0.047	0.059	3.22	0.073	2.02	0.069	1.8	0.059	1.81	0.066
Mercury	0.0592	0.039	0.0676	0.0418	0.0595	0.0369	0.0697	0.0431	0.0701	0.0808	0.0572	0.0876	0.0816	0.0337	0.046	0.064	0.0546	0.084	0.0631	0.088	0.0743	0.101	0.0876
Molybdenum	0.207	<0.0080	0.179	<0.0080	0.179	<0.0080	0.164	<0.0080	0.155	<0.0080	0.146	<0.0080	0.153	<0.0080	<0.0080	0.223	<0.0080	0.192	<0.0080	0.169	<0.0080	0.201	<0.0080
Nickel	0.043	<0.010	0.026	<0.010	0.054	<0.010	0.032	<0.010	0.022	<0.010	0.077	<0.010	0.038	<0.010	0.01	0.114	<0.010	0.048	<0.010	0.04	0.012	0.051	0.011
Phosphorus	4610	2680	3400	2640	3610	2330	3790	2470	3780	2400	4700	2100	4730	2430	2510	5940	2520	4100	2450	4120	2430	3920	2530
Potassium	3260	4620	3180	4670	3020	4090	3130	4170	3370	4010	4430	3620	4550	4170	4270	4630	4600	3410	4270	3350	4310	3250	4480
Rubidium	13.6	-	12.1	-	10.9	-	12.7	-	15.5	-	-	-	-	-	-	12.4	6.6	10.3	3.73	6.16	4.66	8.66	5.27
Selenium	1.22	0.23	0.992	0.26	1.25	0.208	1.21	0.331	1.19	0.366	1.03	0.389	1.13	0.243	0.192	2.39	0.159	0.746	0.201	0.994	0.189	0.879	0.163
(Dry Wt) Selenium	4.11	1.04	3.32	1.22	3.92	1.02	3.95	1.41	3.9	1.47	4.27	1.63	4.45	1.2	0.919	8.91	0.642	2.51	0.893	3.43	0.857	3.15	0.703
Silver	0.004	<0.0013	0.0047	<0.0013	0.0022	<0.0013	0.0034	<0.0013	0.0058	<0.0013	<0.0013	<0.0013	0.0022	<0.0013	<0.0013	0.0057	<0.0013	0.0014	<0.0013	0.0016	<0.0013	0.0038	<0.0013
Sodium	695	229	1020	210	750	175	1090	183	907	228	1180	211	759	198	200	2220	243	704	240	889	281	947	301
Strontium	0.231	0.151	0.286	0.137	0.212	0.073	0.271	0.15	0.245	0.088	0.241	0.164	0.237	0.112	0.111	0.635	0.101	0.179	0.08	0.494	0.057	0.159	0.171
Tellurium	<0.0040	-	<0.0040	-	<0.0040	-	<0.0040	-	<0.0040	-	<0.0040	-	<0.0040	-	-	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Thallium	0.0809	0.00532	0.0449	0.00545	0.0577	0.00431	0.0387	0.00435	0.0509	0.0109	0.0516	0.00983	0.0517	0.00521	0.00533	0.0559	0.00376	0.0165	0.00696	0.0283	0.00533	0.0247	0.00343
Tin	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Titanium	0.29	0.3	0.34	0.34	0.41	0.26	0.36	0.29	0.41	0.36	0.53	0.21	0.57	0.26	0.3	0.29	0.14	0.18	<0.13	0.23	0.14	0.22	0.14
Uranium	0.00192	<0.00040	0.00242	<0.00040	0.00233	<0.00040	0.00194	<0.00040	0.00184	<0.00040	0.0056	<0.00040	0.00577	<0.00040	<0.00040	0.0023	<0.00040	0.00202	<0.00040	0.00827	<0.00040	0.0217	<0.00040
Vanadium	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.021	<0.020
Zinc	25.3	3.14	24.8	3.74	27.5	3	25.9	2.77	25	2.64	23.5	1.94	24.5	2.35	4.79	36.4	2.7	21.6	2.66	21.6	2.34	22.4	3.34
Zirconium	<0.040	-	<0.040	-	<0.040	-	<0.040	-	<0.040	-	<0.040	-	<0.040	-	-	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	0.045	<0.040

Notes:

< = less than detection limit

Metal results expressed in mg/kg wet weight, except for total (dry weight) selenium where results are expressed as mg/kg wet weight.

Lake	Counts *(cont'd)*																					
Fish ID	**4**	**5**	**5**	**6**	**6**	**7**	**7**	**8**	**8**	**9**	**9**	**10**	**10**	**11**	**11**	**12**	**12**	**13**	**13**	**14**	**14**	**15**	**15**
Date Sampled	**15-Aug-24**	**15-Aug-24**	**15-Aug-24**	**20-Aug-24**	**20-Aug-24**	**20-Aug-24**	**20-Aug-24**	**20-Aug-24**	**20-Aug-24**	**20-Aug-24**	**20-Aug-24**	**20-Aug-24**	**20-Aug-24**	**20-Aug-24**	**20-Aug-24**	**21-Aug-24**	**21-Aug-24**	**21-Aug-24**	**21-Aug-24**	**21-Aug-24**	**21-Aug-24**	**21-Aug-24**	**21-Aug-24**
Lab Sample ID	**CWC951**	**CWD051**	**CWC952**	**CWD073**	**CWC953**	**CWD074**	**CWC954**	**CWD075**	**CWC955**	**CWD076**	**CWC956**	**CWD077**	**CWC957**	**CWD078**	**CWC958**	**CWD079**	**CWC959**	**CWD080**	**CWC960**	**CWB345**	**CWB250**	**CWB251**	**CWB346**
Tisue Type	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Liver**	**Muscle**
Physical Tests																							
% Moisture	72	79	70	78	70	78	68	78	74	79	70	79	72	78	73	76	70	78	73	77	73	73	79
Total Metals and Nutrients																							
Aluminum	<0.50	<0.50	0.58	<0.50	0.62	0.56	0.77	0.6	0.67	0.51	0.75	0.97	0.75	<0.50	0.58	0.77	1.49	0.66	0.72	<0.50	0.56	0.95	<0.50
Antimony	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0025	0.003	0.002	0.0021
Arsenic	0.0688	0.0604	0.0759	<0.0050	0.069	0.0167	0.121	0.0273	0.0939	0.0094	0.0791	0.0131	0.0459	0.0231	0.14	0.0075	0.0466	0.0134	0.0372	0.0142	0.0618	0.028	0.0083
Barium	<0.010	<0.010	<0.010	<0.010	0.017	<0.010	<0.010	<0.010	0.013	<0.010	0.01	0.012	<0.010	<0.010	<0.010	0.022	0.22	0.271	0.012	0.015	<0.010	0.032	0.016
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Bismuth	0.0028	<0.0013	0.0014	<0.0013	0.0054	0.0023	0.0091	0.0036	0.0153	0.002	0.003	<0.0013	0.0073	0.002	0.0102	0.0025	0.0049	0.0019	<0.0013	<0.0013	<0.0013	0.0094	0.0049
Boron	<0.20	<0.20	0.41	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium	0.0489	<0.0013	0.0421	<0.0013	0.0174	<0.0013	0.082	<0.0013	0.0654	<0.0013	0.0646	<0.0013	0.0205	<0.0013	0.0748	<0.0013	0.079	<0.0013	0.0704	0.0026	0.042	0.0627	0.002
Calcium	63	66.3	55	43.9	47.3	59.4	58	51.3	72.8	51.8	48.7	52.9	72	47.1	54.9	62	479	1070	66.2	94.9	54.1	69.7	90.2
Cesium	0.0039	0.0147	0.0076	0.007	0.0019	0.0142	0.006	0.0262	0.022	0.0173	0.0054	0.0206	0.0088	0.0163	0.0164	0.0079	0.0019	0.0263	0.0071	0.0101	0.0016	0.0054	0.0233
Chromium	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Cobalt	0.0822	0.0119	0.0731	0.0105	0.0755	0.022	0.134	0.0168	0.123	0.0072	0.0495	0.0106	0.076	0.0311	0.117	0.013	0.059	0.0088	0.0375	0.0123	0.0607	0.0584	0.0071
Copper	1.68	0.316	1.85	0.189	1.49	0.315	2.23	0.199	1.49	0.219	1.63	0.202	1.66	0.234	2.28	0.361	1.65	0.177	1.39	0.239	1.45	1.82	0.244
Iron	49.1	7.67	101	1.75	36.9	3.61	133	1.99	53	2.72	42.5	2.69	58.1	2.37	39.3	3.53	27.6	2.53	67.9	2.14	25.3	89.7	3.81
Lead	0.0027	0.0024	0.0015	0.0014	0.0032	0.0031	0.002	0.002	0.0015	<0.0013	0.0018	<0.0013	0.0078	<0.0013	<0.0013	0.0061	0.122	0.0029	0.0049	<0.0013	<0.0013	0.0025	0.0033
Lithium	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	215	339	179	242	176	310	173	315	220	305	193	293	221	314	223	308	210	307	202	347	189	168	383
Manganese	2.51	0.09	1.78	0.111	1.74	0.076	1.84	0.072	2.51	0.076	1.54	0.07	2.66	0.064	2.61	0.213	2.65	0.529	2.9	0.124	2.25	2.01	0.113
Mercury	0.114	0.0665	0.106	0.0619	0.071	0.0858	0.103	0.0797	0.096	0.0737	0.093	0.0561	0.075	0.0652	0.084	0.07	0.092	0.0945	0.088	0.0644	0.0724	0.0897	0.0627
Molybdenum	0.154	<0.0080	0.203	<0.0080	0.138	<0.0080	0.224	<0.0080	0.136	<0.0080	0.181	<0.0080	0.142	<0.0080	0.157	<0.0080	0.147	<0.0080	0.143	<0.0080	0.134	0.194	<0.0080
Nickel	0.04	0.036	0.05	<0.010	0.04	0.017	0.06	0.01	0.042	<0.010	0.038	<0.010	0.044	0.088	0.029	0.015	0.035	0.015	0.033	<0.010	0.034	0.046	<0.010
Phosphorus	4610	2900	4140	2370	3690	2600	4390	2660	4440	2560	4010	2550	4570	2680	4340	2650	4460	3020	4120	2990	3880	3710	3310
Potassium	3840	4770	3400	4340	3250	4080	3170	4340	3600	4130	3390	4210	3600	4200	3860	4160	3490	4040	3480	4840	3320	2910	5420
Rubidium	11.6	5.84	9.74	3.31	4.48	4.11	6.09	5.8	12.6	4.48	6.91	5.75	14.6	4.4	11.9	3.28	6.62	3.99	10.7	-	-	-	-
Selenium	0.553	0.21	0.754	0.156	0.353	0.213	0.793	0.169	0.595	0.184	0.792	0.151	0.595	0.184	0.527	0.183	0.502	0.193	0.555	0.197	0.359	0.786	0.224
(Dry Wt) Selenium	1.95	0.978	2.5	0.72	1.18	0.966	2.47	0.768	2.25	0.863	2.61	0.711	2.15	0.825	1.92	0.755	1.66	0.863	2.09	0.842	1.31	2.86	1.08
Silver	<0.0013	<0.0013	0.0014	<0.0013	<0.0013	<0.0013	0.0017	<0.0013	<0.0013	<0.0013	0.0015	<0.0013	0.0018	<0.0013	0.0026	<0.0013	<0.0013	<0.0013	0.0017	<0.0013	<0.0013	<0.0013	<0.0013
Sodium	807	262	906	265	832	290	1020	243	1020	280	548	239	888	268	680	300	829	273	670	307	809	835	321
Strontium	0.168	0.116	0.169	0.079	0.158	0.079	0.145	0.043	0.121	0.095	0.125	0.09	0.229	0.047	0.083	0.113	1.56	3.57	0.15	0.212	0.164	0.161	0.156
Tellurium	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Thallium	0.0131	0.00308	0.021	0.00128	0.00728	0.00218	0.0128	0.00401	0.0223	0.00372	0.025	0.00308	0.0194	0.00316	0.0139	0.00281	0.00891	0.0031	0.0148	0.00209	0.00569	0.0165	0.00384
Tin	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Titanium	0.24	0.14	0.24	0.14	0.2	<0.13	0.2	<0.13	0.23	0.15	0.22	0.17	0.22	<0.13	0.23	0.14	0.3	0.17	0.23	0.34	0.38	0.48	0.45
Uranium	0.00145	<0.00040	0.00265	<0.00040	0.00572	<0.00040	0.0117	<0.00040	0.0109	0.0009	0.00903	<0.00040	0.00116	<0.00040	0.00869	0.00051	0.0104	0.00071	0.00589	<0.00040	0.00771	0.00715	<0.00040
Vanadium	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Zinc	22.9	3.3	22	2.44	17.9	5.53	22.9	3.29	19.4	2.86	19.9	2.71	22.5	2.8	21.6	4.56	20.2	3.53	19.5	3.55	18.9	21.6	3.83
Zirconium	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040

Notes:

< = less than detection limit

Metal results expressed in mg/kg wet weight, except for total (dry weight) selenium where results are expressed as mg/kg wet weight.

Lake	Counts *(cont'd)*																						
Fish ID	**18**	**18**	**19**	**19**	**20**	**20**	**21**	**21**	**22**	**22**	**23**	**23**	**24**	**24**	**25**	**25**	**26**	**26**	**27**	**27**	**28**	**28**	**29**
Date Sampled	**22-Aug-24**	**22-Aug-24**	**22-Aug-24**	**22-Aug-24**	**22-Aug-24**	**22-Aug-24**	**13-Aug-24**	**13-Aug-24**	**13-Aug-24**	**13-Aug-24**	**15-Aug-24**	**15-Aug-24**	**15-Aug-24**	**15-Aug-24**	**20-Aug-24**	**20-Aug-24**	**20-Aug-24**	**20-Aug-24**	**20-Aug-24**	**20-Aug-24**	**20-Aug-24**	**20-Aug-24**	**20-Aug-24**
Lab Sample ID	**CWB349**	**CWB253**	**CWB350**	**CWB254**	**CWB351**	**CWB255**	**CWB352**	**CWB256**	**CWB353**	**CWB257**	**CWB354**	**CWB258**	**CWB355**	**CWB259**	**CWB356**	**CWB260**	**CWB357**	**CWB261**	**CWB358**	**CWB262**	**CWB359**	**CWB263**	**CWB360**
Tisue Type	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**
Physical Tests																							
% Moisture	77	71	79	70	76	72	79	75	78	75	78	77	77	76	79	76	77	74	78	78	78	74	77
Total Metals and Nutrients																							
Aluminum	<0.50	1.09	<0.50	1.47	0.68	0.88	<0.50	1.75	<0.50	0.95	<0.50	0.83	<0.50	0.72	<0.50	1.95	<0.50	1.19	<0.50	2.09	0.56	0.6	<0.50
Antimony	0.0031	0.0022	0.0027	0.003	0.0045	0.0023	0.0022	<0.0020	<0.0020	<0.0020	0.0023	<0.0020	0.003	0.0029	0.0024	0.0024	0.0025	<0.0020	<0.0020	0.0025	<0.0020	<0.0020	<0.0020
Arsenic	0.0202	0.0286	0.0205	0.125	0.0221	0.0749	0.0118	0.0705	0.0114	0.029	0.0262	0.167	0.0246	0.0655	0.0063	0.0283	0.0205	0.1	0.0103	0.0203	0.0693	0.153	0.0379
Barium	0.293	<0.010	0.012	0.012	0.096	0.013	0.019	0.014	<0.010	0.014	<0.010	0.013	<0.010	<0.010	<0.010	0.018	0.012	<0.010	<0.010	0.012	<0.010	<0.010	0.02
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Bismuth	<0.0013	0.0026	0.0015	0.0063	<0.0013	0.003	<0.0013	0.0019	<0.0013	0.0014	0.0017	0.0047	0.0026	0.0081	0.0019	0.0036	0.0028	0.0057	<0.0013	<0.0013	0.0038	0.0067	0.0018
Boron	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium	0.0024	0.0566	0.0018	0.0718	0.0016	0.0444	0.0015	0.0837	0.0019	0.118	0.0015	0.0153	0.0017	0.0883	0.0018	0.165	0.0022	0.0344	0.0014	0.0545	0.0042	0.0593	0.0025
Calcium	63.9	58.6	89.9	69	57.5	67.7	98.3	79.6	62.7	56.6	82.8	121	69	72.3	88.3	102	130	63.9	84.6	62.3	91	80.7	150
Cesium	0.0175	-	0.0279	-	0.0142	-	0.0182	-	0.0154	-	0.0226	-	0.028	-	0.0099	-	0.0237	-	0.0117	0.0045	0.0477	0.0201	0.0355
Chromium	<0.025	0.026	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.063	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Cobalt	0.0071	0.0354	0.0124	0.0731	0.0067	0.0753	0.0107	0.105	0.0094	0.0886	0.0249	0.122	0.011	0.151	0.0024	0.032	0.0327	0.217	0.0061	0.0842	0.0778	0.407	0.0501
Copper	0.277	1.51	0.348	2.02	0.278	2.31	0.234	1.58	0.224	1.39	0.332	2.5	0.241	1.94	0.218	1.07	0.301	2.28	0.182	1.55	0.356	2.39	0.309
Iron	4.28	53.2	2.86	93.8	3.2	101	2.56	140	3.1	53.7	3.5	28.5	2.89	97.2	3.04	81.9	4.38	102	2.56	84.2	4.99	101	4.22
Lead	0.0018	0.0017	0.0015	0.0022	<0.0013	0.0023	0.0016	0.0022	<0.0013	0.0056	<0.0013	<0.0013	<0.0013	0.0017	0.0055	0.0017	<0.0013	0.0018	0.015	0.0018	<0.0013	0.0019	0.002
Lithium	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	346	232	385	186	341	195	294	173	320	213	341	196	338	163	295	195	335	178	290	208	379	163	425
Manganese	0.082	2.33	0.085	1.87	0.073	1.97	0.09	1.48	0.082	2	0.116	2.07	0.061	1.61	0.058	1.87	0.217	1.86	0.05	2.29	0.136	1.54	0.14
Mercury	0.0622	0.0859	0.0739	0.128	0.0779	0.0933	0.0632	0.0569	0.0692	0.0926	0.0491	0.0561	0.0797	0.0844	0.0917	0.0999	0.0706	0.0698	0.0768	0.0833	0.0722	0.0831	0.0707
Molybdenum	<0.0080	0.166	<0.0080	0.204	<0.0080	0.228	<0.0080	0.147	<0.0080	0.142	<0.0080	0.125	<0.0080	0.169	<0.0080	0.121	<0.0080	0.216	<0.0080	0.158	<0.0080	0.153	<0.0080
Nickel	0.01	0.03	<0.010	0.047	<0.010	0.072	<0.010	0.053	0.011	0.035	<0.010	0.034	<0.010	0.049	<0.010	0.036	0.072	0.048	<0.010	0.04	0.018	0.059	0.011
Phosphorus	2930	4500	3300	4190	2860	4430	2630	3500	2730	4270	2990	3800	2850	3280	2690	3770	2790	3710	2550	4100	3340	3200	3590
Potassium	4580	4170	5360	3550	4680	3570	4270	3150	4310	3470	4870	3590	4570	3210	4170	3360	4440	3380	4110	3540	5200	2940	5440
Rubidium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.19	-	7.23
Selenium	0.228	0.638	0.221	0.84	0.23	0.768	0.198	0.902	0.219	0.679	0.139	0.415	0.197	0.809	0.173	0.598	0.262	0.671	0.19	0.62	0.213	0.698	0.251
(Dry Wt) Selenium	1	2.2	1.06	2.81	0.966	2.7	0.95	3.54	1.01	2.67	0.626	1.8	0.84	3.3	0.828	2.48	1.16	2.57	0.879	2.77	0.958	2.72	1.1
Silver	<0.0013	0.0017	<0.0013	0.0014	<0.0013	0.0013	<0.0013	0.0017	<0.0013	0.0024	<0.0013	0.0034	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0015	<0.0013	<0.0013	<0.0013
Sodium	297	718	329	952	269	1030	291	1050	302	1010	311	829	267	1300	302	1060	272	1180	260	1170	366	1250	341
Strontium	0.106	0.146	0.194	0.18	0.08	0.234	0.194	0.236	0.111	0.159	0.12	0.285	0.114	0.19	0.177	0.259	0.211	0.174	0.193	0.231	0.12	0.21	0.274
Tellurium	<0.0040	-	<0.0040	-	<0.0040	-	<0.0040	-	<0.0040	-	<0.0040	-	<0.0040	-	<0.0040	-	<0.0040	-	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Thallium	0.00196	0.00694	0.00516	0.0229	0.00338	0.0179	0.00352	0.0146	0.00264	0.0179	0.00367	0.0158	0.00434	0.0205	0.00198	0.0118	0.00451	0.0254	0.00293	0.0104	0.00641	0.0281	0.00393
Tin	0.043	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Titanium	0.58	0.48	0.38	0.45	0.43	0.49	0.35	0.41	0.37	0.5	0.41	0.4	0.34	0.38	0.36	0.41	0.39	0.4	0.33	0.5	0.43	0.33	0.46
Uranium	<0.00040	0.00927	<0.00040	0.0117	<0.00040	0.00555	<0.00040	0.00848	<0.00040	0.00838	<0.00040	0.00071	<0.00040	0.00517	<0.00040	0.0242	<0.00040	0.00704	<0.00040	0.00575	0.00113	0.00644	<0.00040
Vanadium	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Zinc	3.68	23.3	3.63	26.8	3.26	24.8	3.7	21.1	2.87	22.1	3.3	19.4	2.98	22.9	2.94	18.2	3.26	24	2.65	21.9	3.98	21.3	4.24
Zirconium	<0.040	-	<0.040	-	<0.040	-	<0.040	-	<0.040	-	<0.040	-	<0.040	-	<0.040	-	<0.040	-	<0.040	<0.040	<0.040	<0.040	<0.040

Notes:

< = less than detection limit

Metal results expressed in mg/kg wet weight, except for total (dry weight) selenium where results are expressed as mg/kg wet weight.

Lake	Counts *(cont'd)*			Kodiak																			
Fish ID	29	51	51	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10
Date Sampled	20-Aug-24	22-Aug-24	22-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24
Lab Sample ID	CWB264	CWB361	CWB265	CWD093	CWC974	CWD094	CWC975	CWD095	CWC976	CWD096	CWC977	CWD097	CWC978	CWD098	CWC979	CWD099	CWC980	CWD100	CWC981	CWD101	CWC982	CWD102	CWC983
Tisue Type	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver
Physical Tests																							
% Moisture	78	76	72	77	63	76	69	77	81	77	70	80	72	76	63	75	63	76	57	77	62	77	65
Total Metals and Nutrients																							
Aluminum	0.92	<0.50	1.36	4.15	1.37	0.97	<0.50	1.02	1.62	3.27	2.11	0.77	1.45	0.83	<0.50	<0.50	<0.50	<0.50	<0.50	0.6	2.24	0.86	<0.50
Antimony	0.0021	<0.0020	<0.0020	<0.0020	0.0026	<0.0020	0.0026	<0.0020	0.0026	<0.0020	<0.0020	<0.0020	0.0028	<0.0020	0.0039	<0.0020	0.0029	<0.0020	0.0028	<0.0020	0.0048	<0.0020	<0.0020
Arsenic	0.0895	0.0091	0.0507	0.0251	0.0313	0.0147	0.0656	0.0235	0.0472	0.013	0.0553	0.0056	0.0088	0.0317	0.0243	0.0171	0.0325	0.0163	0.0202	0.0212	0.0433	0.0248	0.028
Barium	0.015	<0.010	<0.010	0.068	0.022	0.015	<0.010	0.017	0.051	0.054	0.242	0.024	<0.010	0.036	<0.010	0.204	0.035	<0.010	0.068	0.015	0.053	0.277	0.011
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.018	<0.0020	<0.0020	<0.0020	0.0028	<0.0020	0.0038	<0.0020	0.0022	<0.0020	0.0021	<0.0020	<0.0020	<0.0020	<0.0020
Bismuth	0.0045	<0.0013	0.0015	<0.0013	<0.0013	<0.0013	0.0025	<0.0013	0.003	<0.0013	0.0014	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
Boron	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium	0.0904	<0.0013	0.141	<0.0013	0.0201	<0.0013	0.0589	<0.0013	0.0308	<0.0013	0.154	<0.0013	0.164	<0.0013	0.0288	<0.0013	0.0245	<0.0013	0.0124	<0.0013	0.0205	0.0042	0.0226
Calcium	78.7	53.5	62.8	55.5	50.8	61	49.6	65.7	66.7	44.1	1380	89.9	46.7	64.4	74.6	666	60.6	55.9	80.8	55.8	70.4	74.5	116
Cesium	0.0224	0.0146	0.0048	0.0344	0.0167	0.08	0.0459	0.0386	0.0154	0.0957	0.0585	0.0731	0.0275	0.0284	0.0152	0.0366	0.017	0.0383	0.0135	0.0353	0.016	0.0503	0.0154
Chromium	<0.025	<0.025	0.301	0.029	0.091	<0.025	<0.025	<0.025	0.044	<0.025	<0.025	<0.025	<0.025	<0.025	0.32	<0.025	<0.025	<0.025	<0.025	<0.025	0.04	<0.025	<0.025
Cobalt	0.324	0.0029	0.0568	0.0159	0.0629	0.0315	0.116	0.0092	0.0463	0.0158	0.113	0.0281	0.117	0.0246	0.105	0.0186	0.0967	0.0087	0.0682	0.0199	0.102	0.0142	0.089
Copper	1.91	0.218	1.7	0.236	2.49	0.193	1.76	0.211	1.05	0.169	1.92	0.163	1.51	0.287	2.66	0.218	2.92	0.207	3.42	0.243	2.64	0.232	3.04
Iron	101	3.18	323	7.3	58.3	3.66	96.7	2.41	37.6	8.13	87.8	5.76	198	3.29	62.5	2.18	67.5	1.87	72.8	2.34	82.3	2.54	82.1
Lead	0.0014	<0.0013	0.0016	0.0229	0.0304	0.0082	0.003	0.0054	0.02	0.0041	0.0045	0.0056	<0.0013	0.0054	0.0084	0.0035	0.0111	0.0022	0.015	0.0078	0.0099	0.0034	0.003
Lithium	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	197	314	156	315	190	344	191	359	106	269	179	286	202	387	219	333	214	293	213	289	211	370	201
Manganese	1.95	0.044	1.93	0.149	1.75	0.09	2.57	0.089	1.16	0.121	2.65	0.115	3.08	0.147	2.19	0.246	2.11	0.071	2.34	0.111	2.83	0.114	2.17
Mercury	0.0647	0.118	0.154	0.149	0.249	0.372	0.484	0.148	0.118	0.367	0.542	0.362	0.654	0.108	0.21	0.16	0.27	0.161	0.217	0.16	0.273	0.176	0.291
Molybdenum	0.12	<0.0080	0.235	<0.0080	0.225	<0.0080	0.159	<0.0080	0.108	<0.0080	0.157	<0.0080	0.114	<0.0080	0.258	<0.0080	0.277	<0.0080	0.219	<0.0080	0.291	<0.0080	0.227
Nickel	0.032	<0.010	0.185	0.029	0.085	0.022	0.074	0.015	0.059	0.03	0.114	0.022	0.103	0.031	0.099	0.014	0.089	0.01	0.277	0.021	0.135	0.027	0.094
Phosphorus	3660	2720	3670	2770	4560	2870	4170	3020	2270	2380	3710	2790	3970	3430	5220	3220	5370	2700	5030	2620	5070	3300	4700
Potassium	3500	4370	3140	4490	3360	4920	3300	5330	1700	3730	3760	4770	3810	6060	3070	4870	3260	4490	2890	4350	3190	5670	3060
Rubidium	-	4.55	-	8.79	-	9.74	-	9.68	8.87	6.5	-	8.26	-	9.72	13.4	9.55	-	8.41	12.8	8.4	-	11.1	-
Selenium	0.562	0.222	0.884	0.221	1.05	0.237	0.65	0.183	0.437	0.178	1.28	0.232	0.97	0.241	1.02	0.194	1.06	0.171	0.968	0.174	0.983	0.208	1.01
(Dry Wt) Selenium	2.51	0.927	3.15	0.963	2.85	0.984	2.08	0.785	2.25	0.786	4.34	1.15	3.42	1.02	2.75	0.78	2.81	0.709	2.25	0.755	2.57	0.889	2.88
Silver	0.002	<0.0013	<0.0013	<0.0013	0.0021	<0.0013	0.0014	<0.0013	0.0032	<0.0013	0.0027	<0.0013	0.002	<0.0013	0.0061	<0.0013	0.0039	<0.0013	0.0041	<0.0013	0.0039	<0.0013	0.0031
Sodium	1130	272	1020	238	905	282	880	263	447	302	790	328	969	294	1250	257	1030	238	1380	248	1070	281	1080
Strontium	0.162	0.059	0.193	0.133	0.251	0.061	0.116	0.081	0.314	0.079	2.03	0.221	0.151	0.084	0.299	2.57	0.297	0.119	0.411	0.1	0.293	0.134	0.447
Tellurium	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	0.0047	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Thallium	0.0159	0.00148	0.0139	0.0189	0.197	0.0207	0.118	0.0217	0.0662	0.0139	0.185	0.0156	0.0748	0.0154	0.132	0.0192	0.175	0.0178	0.137	0.0164	0.131	0.0198	0.196
Tin	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.02	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Titanium	0.48	0.35	0.45	0.4	0.22	0.18	<0.13	0.17	0.17	0.33	<0.13	0.14	<0.13	0.15	<0.13	0.16	0.15	0.13	0.2	0.14	0.33	0.4	0.13
Uranium	0.00773	<0.00040	0.0329	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	0.0145	<0.00040	0.00772	<0.00040	0.0152	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040
Vanadium	0.02	<0.020	0.033	<0.020	<0.020	<0.020	<0.020	<0.020	0.021	<0.020	0.029	<0.020	0.053	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Zinc	20.2	3.03	21.5	4.33	21	3.17	18.8	3.4	9.81	2.55	23.3	2.64	21.5	6.28	21.8	4.03	23.3	3.08	22.7	4.01	21.6	3.42	21.3
Zirconium	<0.040	<0.040	0.043	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040

Notes:

< = less than detection limit

Metal results expressed in mg/kg wet weight, except for total (dry weight) selenium where results are expressed as mg/kg wet weight.

Lake	Kodiak *(cont'd)*																				Leslie		
Fish ID	11	11	12	12	13	13	14	14	15	15	16	16	17	17	18	18	19	19	20	20	1	1	2
Date Sampled	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	25-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24
Lab Sample ID	CWD103	CWC984	CWD104	CWC985	CWD105	CWC986	CWB374	CWB278	CWB375	CWB279	CWB376	CWB280	CWB377	CWB281	CWB378	CWB282	CWB379	CWB283	CWB380	CWB284	CWD047	CWC987	CWD048
Tisue Type	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle
Physical Tests																							
% Moisture	76	92	81	99	75	90	79	71	77	75	76	68	78	66	78	64	79	62	80	67	75	73	76
Total Metals and Nutrients																							
Aluminum	0.59	0.52	0.66	<0.50	0.72	<0.50	<0.50	2.9	<0.50	2.14	<0.50	3.22	<0.50	1.09	<0.50	0.92	1.51	0.77	0.85	1.08	0.96	<0.50	0.54
Antimony	<0.0020	0.0023	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.004	<0.0020	0.0041	0.0082	0.0123	0.0022	0.0038	0.0027	0.008	<0.0020	0.0049	<0.0020	0.004	<0.0020	0.0025	<0.0020
Arsenic	0.0156	0.0114	0.0278	0.0065	0.0158	0.0079	0.0067	0.0237	0.0059	0.016	<0.0050	0.0194	0.0178	0.0303	0.0149	0.03	0.0117	0.0211	0.0196	0.0399	0.0136	0.0302	0.0123
Barium	0.012	0.012	0.026	0.013	0.017	<0.010	<0.010	<0.010	<0.010	0.012	<0.010	0.014	<0.010	0.03	<0.010	0.027	0.012	0.057	0.048	0.02	<0.010	<0.010	<0.010
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Bismuth	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0026	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
Boron	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium	<0.0013	0.0181	<0.0013	0.0074	<0.0013	0.0079	<0.0013	0.0973	<0.0013	0.0944	<0.0013	0.101	<0.0013	0.0251	<0.0013	0.0217	0.002	0.0312	0.0013	0.0364	<0.0013	0.0284	<0.0013
Calcium	68.6	41.8	60	27.9	103	29.4	69.9	60.6	56.7	70.6	44.1	64.2	98.5	68.2	67.5	66.2	67.1	85.1	247	80.7	51.5	38.5	52.5
Cesium	0.0374	0.009	0.0288	0.0045	0.0362	0.0076	-	0.0326	-	0.0238	-	0.0202	-	0.0187	-	0.0144	-	0.0087	-	0.0191	0.0387	0.0048	0.0411
Chromium	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.029	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.037	<0.025	<0.025	<0.025
Cobalt	0.0198	0.0635	0.0054	0.0118	0.0123	0.0323	0.0118	0.0565	0.0131	0.105	0.0287	0.202	0.0131	0.0988	0.0167	0.136	0.0082	0.101	0.0173	0.179	0.0078	0.0325	0.0053
Copper	0.241	1.56	0.323	0.507	0.202	1.19	0.251	1.65	0.244	1.46	0.286	2.29	0.288	2.68	0.246	2.75	0.229	2.57	0.215	3.06	0.196	1.7	0.251
Iron	2.85	68.7	2.84	14.7	2.37	34.5	5.35	92.4	3.37	61.8	4.45	192	2.77	49.2	2.23	90.4	2.31	74	2.1	105	3.36	57.7	2.42
Lead	0.0016	0.0025	0.0034	0.0016	0.0014	<0.0013	<0.0013	0.0036	<0.0013	0.0024	<0.0013	0.0033	<0.0013	0.0038	<0.0013	0.0028	<0.0013	0.0017	<0.0013	0.0021	0.0031	<0.0013	0.0048
Lithium	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	<0.10	<0.10	<0.10
Magnesium	390	126	353	79.1	322	90	307	272	334	228	265	198	359	212	339	207	309	210	294	241	322	135	368
Manganese	0.082	1.58	0.092	0.648	0.121	1.01	0.053	2.73	0.046	2.86	0.064	2.51	0.081	2.12	0.077	2.01	0.095	2.05	0.171	2.31	0.058	1.81	0.078
Mercury	0.152	0.138	0.13	0.06	0.162	0.096	<0.0080	0.641	<0.0080	0.537	<0.0080	0.518	<0.0080	0.216	<0.0080	0.25	<0.0080	0.186	<0.0080	0.186	0.0546	0.254	0.0631
Molybdenum	<0.0080	0.163	<0.0080	0.059	<0.0080	0.108	0.492	0.191	0.5	0.141	0.396	0.27	0.146	0.304	0.144	0.292	0.109	0.297	0.101	0.327	<0.0080	0.218	<0.0080
Nickel	0.022	0.058	0.015	0.019	0.016	0.048	<0.010	0.09	0.02	0.081	0.04	0.241	0.018	0.09	<0.010	0.117	0.018	0.07	0.023	0.156	0.02	0.037	0.021
Phosphorus	3350	2970	2930	1570	2830	2140	2760	5430	2920	4360	2420	4480	3180	5130	3040	5070	2750	5120	2790	5330	2750	3030	3030
Potassium	5970	2020	5090	1350	4740	1420	4350	4430	4720	4160	3870	3390	5270	3320	4970	3350	4760	3210	4670	3870	4580	3090	5060
Rubidium	11.1	10.2	8.35	5.6	7.72	5.83	-	18.9	-	16.1	-	8.48	-	-	-	15.2	-	9.82	-	12.5	6.47	11.8	11.4
Selenium	0.26	0.594	0.223	0.267	0.196	0.408	0.255	0.899	0.273	0.863	0.272	1.54	0.237	1	0.218	1.09	0.189	1.04	0.171	1.3	8.93	2.61	10.7
(Dry Wt) Selenium	1.06	7.62	1.15	26.7	0.79	3.89	1.18	3.11	1.19	3.49	1.13	4.82	1.05	2.92	0.982	2.98	0.885	2.71	0.84	3.94	2.25	12.2	2.58
Silver	<0.0013	0.0042	<0.0013	<0.0013	<0.0013	0.0051	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0032	<0.0013	0.0029	<0.0013	0.0085	<0.0013	0.0105	<0.0013	0.0051	<0.0013	0.0031	<0.0013
Sodium	308	646	343	249	270	430	354	971	326	1190	306	1280	303	1010	243	1030	254	1110	248	1210	268	743	278
Strontium	0.131	0.169	0.088	0.072	0.219	0.109	0.114	0.153	0.06	0.228	0.038	0.21	0.242	0.261	0.117	0.28	0.091	0.264	0.806	0.313	0.101	0.184	0.117
Tellurium	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	-	<0.0040	-	<0.0040	-	<0.0040	-	<0.0040	-	<0.0040	-	0.0046	-	<0.0040	<0.0040	<0.0040	<0.0040
Thallium	0.0154	0.0783	0.015	0.0566	0.0171	0.0791	0.0119	0.0739	0.0172	0.0995	0.00817	0.0791	0.0129	0.114	0.0128	0.116	0.00388	0.0544	0.0122	0.151	0.0139	0.0548	0.00895
Tin	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.02	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.047	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Titanium	0.15	0.15	0.18	<0.13	0.14	<0.13	0.41	0.58	0.38	0.48	0.31	0.54	0.45	0.63	0.37	0.48	0.3	0.46	0.36	0.62	0.14	<0.13	0.17
Uranium	<0.00040	0.00071	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	0.0225	<0.00040	0.00705	<0.00040	0.027	<0.00040	0.00078	<0.00040	0.00175	<0.00040	0.00141	0.00205	0.00152	<0.00040	<0.00040	<0.00040
Vanadium	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.044	<0.020	0.033	<0.020	0.139	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Zinc	3.89	14.1	3.85	6.67	3.28	9.51	3.03	23.7	2.97	22.5	3.06	24.9	5.22	23.1	3.65	23.8	3.14	23.8	3.16	29.9	3.15	17.4	3.32
Zirconium	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	-	<0.040	-	<0.040	-	<0.040	-	<0.040	-	<0.040	-	<0.040	-	<0.040	<0.040	<0.040	<0.040

Notes:

< = less than detection limit

Metal results expressed in mg/kg wet weight, except for total (dry weight) selenium where results are expressed as mg/kg wet weight.

Lake	Leslie *(cont'd)*																						
Fish ID	**2**	**3**	**3**	**4**	**4**	**5**	**5**	**6**	**6**	**7**	**7**	**8**	**8**	**9**	**9**	**10**	**10**	**11**	**11**	**12**	**12**	**13**	**13**
Date Sampled	**29-Aug-24**	**29-Aug-24**	**29-Aug-24**	**29-Aug-24**	**29-Aug-24**	**29-Aug-24**	**29-Aug-24**	**29-Aug-24**	**29-Aug-24**	**29-Aug-24**	**29-Aug-24**	**29-Aug-24**	**29-Aug-24**	**29-Aug-24**	**29-Aug-24**	**29-Aug-24**	**29-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**	**30-Aug-24**
Lab Sample ID	**CWC988**	**CWD049**	**CWC989**	**CWD050**	**CWC990**	**CWD051**	**CWC991**	**CWD073**	**CWC992**	**CWD074**	**CWC993**	**CWD075**	**CWC994**	**CWD076**	**CWC995**	**CWD077**	**CWC996**	**CWD078**	**CWC997**	**CWB385**	**CWB289**	**CWB386**	**CWB290**
Tisue Type	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**
Physical Tests																							
% Moisture	72	75	71	74	69	77	72	75	69	76	72	76	73	77	72	76	71	75	71	80	69	79	70
Total Metals and Nutrients																							
Aluminum	<0.50	<0.50	<0.50	2.11	1.03	0.8	1.64	0.76	<0.50	0.69	1.9	0.5	<0.50	0.59	<0.50	<0.50	<0.50	<0.50	0.51	1.44	3.16	<0.50	0.61
Antimony	<0.0020	<0.0020	0.0025	0.004	0.0046	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0052	<0.0020	0.0046
Arsenic	0.015	0.0242	0.0302	0.0161	0.0521	0.0242	0.0365	0.0199	0.0342	0.0133	0.0284	0.0087	0.0091	0.0107	0.017	0.0077	0.0201	0.0076	0.0401	0.0065	0.0433	0.0114	0.0593
Barium	<0.010	<0.010	<0.010	0.064	0.227	0.011	<0.010	0.012	<0.010	0.014	0.045	<0.010	<0.010	<0.010	<0.010	<0.010	0.014	<0.010	<0.010	0.01	0.11	<0.010	0.011
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Bismuth	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
Boron	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium	0.0186	<0.0013	0.0284	<0.0013	0.0691	<0.0013	0.306	<0.0013	0.0831	<0.0013	0.172	<0.0013	0.0446	<0.0013	0.182	<0.0013	0.042	<0.0013	0.0432	<0.0013	0.293	<0.0013	0.037
Calcium	64.7	41.7	38.5	56.5	41.9	89.6	55.3	78.5	39.5	65	107	49.5	40.7	46.6	48.6	63.3	57	25.8	51.3	32.6	51.9	50.2	63.4
Cesium	0.0113	0.0314	0.0048	0.0288	0.0057	0.0522	0.0166	0.0356	0.0088	0.0362	0.0174	0.0342	0.0107	0.0212	0.0093	0.0268	0.0164	0.0154	0.0122	-	0.0095	-	0.015
Chromium	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Cobalt	0.0202	0.0064	0.0325	0.0179	0.0835	0.0117	0.0468	0.0091	0.0297	0.0099	0.0485	0.0038	0.0137	0.0097	0.0342	0.0072	0.0327	0.0033	0.038	0.0117	0.0897	0.0037	0.054
Copper	1.42	0.237	1.7	0.258	1.96	0.286	1.6	0.245	2.06	0.175	1.48	0.233	1.22	0.202	1.3	0.207	1.63	0.132	2.19	0.177	2.44	0.316	2.67
Iron	34.8	2.21	57.7	6.15	131	4.38	71.5	4.25	127	3.71	89.4	2.63	27	3.82	55	1.92	39.7	1.96	74.6	3.27	161	2.55	105
Lead	0.0018	<0.0013	<0.0013	0.0049	0.0048	0.0022	0.0015	0.0017	0.0032	0.0043	0.004	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.003	<0.0013	0.0017	<0.0013	0.0044	<0.0013	0.0023
Lithium	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.197	<0.10	0.209	<0.10
Magnesium	161	307	135	331	152	344	205	313	135	277	225	322	156	227	195	243	209	159	163	184	190	248	183
Manganese	2.29	0.079	1.81	0.454	2.31	0.065	2.57	0.08	1.83	0.072	3.17	0.072	2.05	0.052	2.25	0.052	3.87	0.037	2.33	0.071	2.86	0.075	2.72
Mercury	0.217	0.0743	0.222	0.0876	0.295	0.0665	0.21	0.0619	0.319	0.0858	0.312	0.0797	0.174	0.0737	0.204	0.0561	0.193	0.0652	0.314	0.197	0.209	0.209	0.297
Molybdenum	0.167	<0.0080	0.218	<0.0080	0.37	<0.0080	0.252	<0.0080	0.245	<0.0080	0.242	<0.0080	0.143	<0.0080	0.161	<0.0080	0.213	<0.0080	0.286	<0.0080	0.429	<0.0080	0.332
Nickel	0.016	<0.010	0.037	0.027	0.138	0.015	0.05	0.019	0.044	0.044	0.044	0.024	0.017	0.033	0.032	<0.010	0.027	0.369	0.046	<0.010	0.106	<0.010	0.031
Phosphorus	3450	2730	3030	2730	3490	3050	4170	2710	3210	2390	4540	2830	3380	2010	3970	2040	4370	1510	3810	1900	4260	2460	4290
Potassium	3020	4530	3090	4430	3180	5310	4090	4410	2690	3900	4110	4490	3230	3140	3620	3180	3920	2160	3460	3340	3540	4090	3850
Rubidium	-	9.49	11.8	5.49	7.83	8.41	-	7.44	10.2	6.93	19	7.44	-	3.88	10.5	6.98	24.1	4.22	16.3	0.197	8.8	0.209	-
Selenium	2.46	8.34	2.61	10.5	4.64	8.71	3.28	9.70	3.71	9.11	3.30	9.49	2.31	8.52	3.04	8.55	3.05	5.77	4.07	1.71	5.28	1.74	4.2
(Dry Wt) Selenium	8.70	2.08	8.95	2.75	14.9	2.00	11.9	2.46	12.0	2.17	11.8	2.31	8.52	1.95	10.7	2.09	10.6	1.47	14.1	8.34	17	8.1	13.8
Silver	0.0014	<0.0013	0.0031	<0.0013	0.0093	<0.0013	0.0032	<0.0013	0.0099	<0.0013	0.0030	<0.0013	<0.0013	<0.0013	0.0020	<0.0013	0.0020	<0.0013	0.0031	<0.0013	0.0203	<0.0013	0.0065
Sodium	620	232	743	286	876	342	862	314	765	293	763	294	623	256	685	236	757	165	1000	254	824	250	1120
Strontium	0.240	0.077	0.184	0.138	0.253	0.300	0.253	0.233	0.202	0.214	0.545	0.126	0.151	0.145	0.148	0.238	0.270	0.077	0.321	0.115	0.23	0.141	0.286
Tellurium	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	-	<0.0040	-	0.0041
Thallium	0.0357	0.00937	0.0548	0.00656	0.0315	0.0138	0.0379	0.00982	0.0601	0.00898	0.0407	0.0100	0.0602	0.00892	0.0691	0.00992	0.0631	0.00466	0.0739	0.0136	0.0891	0.00866	0.0809
Tin	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.023	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Titanium	<0.13	0.14	<0.13	0.23	0.20	0.14	0.15	0.18	<0.13	0.15	0.29	0.14	<0.13	<0.13	<0.13	<0.13	0.19	<0.13	0.18	0.23	0.55	0.26	0.49
Uranium	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	0.0121	<0.00040	<0.00040	<0.00040	0.0160	<0.00040	<0.00040	<0.00040	0.00333	<0.00040	0.00259	<0.00040	0.00213	<0.00040	0.0533	<0.00040	0.00327
Vanadium	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.075	<0.020	0.022	<0.020	0.051	<0.020	<0.020	<0.020	0.040	<0.020	<0.020	<0.020	<0.020	<0.020	0.249	<0.020	0.026
Zinc	16.9	3.10	17.4	3.81	20.0	3.46	22.3	3.55	17.1	3.19	21.2	2.88	15.5	2.30	18.2	2.69	21.3	1.92	22.8	2.03	23.8	2.77	25.8
Zirconium	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	-	<0.040	-	<0.040

Notes:

< = less than detection limit

Metal results expressed in mg/kg wet weight, except for total (dry weight) selenium where results are expressed as mg/kg wet weight.

Lake	Leslie *(cont'd)*														Moose								
Fish ID	14	14	15	15	16	16	17	17	18	18	19	19	20	20	1	1	2	2	3	3	4	4	5
Date Sampled	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24	23-Aug-24
Lab Sample ID	CWB387	CWB291	CWB388	CWB292	CWB389	CWB293	CWB390	CWB294	CWB391	CWB295	CWB392	CWB296	CWB393	CWB297	CWD149	CWC998	CWD150	CWC999	CWD151	CWD000	CWD152	CWD001	CWD153
Tisue Type	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle
Physical Tests																							
% Moisture	77	73	78	69	78	72	78	74	79	73	77	69	77	75	74	69	77	69	75	83	77	69	75
Total Metals and Nutrients																							
Aluminum	1.32	0.79	1.61	5.26	0.96	0.98	0.56	4.58	0.66	1.1	1.09	1.14	<0.50	1.67	1.4	0.83	<0.50	0.82	<0.50	1.18	<0.50	1.09	<0.50
Antimony	<0.0020	0.004	<0.0020	0.0062	<0.0020	0.0035	<0.0020	0.0028	<0.0020	0.0037	<0.0020	0.0031	<0.0020	0.0022	<0.0020	<0.0020	<0.0020	0.0029	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Arsenic	0.011	0.0316	0.0115	0.0401	0.0084	0.0509	0.0143	0.0353	0.0067	0.0262	0.0165	0.0431	0.0087	0.0251	0.0143	0.0236	0.0176	0.0318	0.0175	0.0124	0.0188	0.0479	0.022
Barium	<0.010	0.01	0.07	0.157	0.016	0.023	<0.010	0.012	<0.010	<0.010	<0.010	0.019	<0.010	0.01	0.043	0.149	0.032	0.212	0.019	0.014	<0.010	0.171	<0.010
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Bismuth	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
Boron	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium	0.0013	0.0342	0.0014	0.0899	<0.0013	0.284	<0.0013	0.208	<0.0013	0.19	<0.0013	0.041	0.0015	0.227	<0.0013	0.0191	<0.0013	0.0218	<0.0013	0.0112	<0.0013	0.0267	<0.0013
Calcium	59.6	63	60.4	49.2	66.6	89	66.4	65.1	63.5	61.3	37.6	69.7	44.4	65.5	121	46.2	230	198	91.2	21.4	34	102	61.4
Cesium	-	0.0164	-	0.0112	-	0.0167	-	0.024	-	0.0126	-	0.0099	-	0.0169	0.0283	0.0205	0.0135	0.0223	0.0161	0.005	0.0147	0.0132	0.0174
Chromium	<0.025	<0.025	<0.025	0.06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Cobalt	0.0092	0.0488	0.0073	0.0553	0.0044	0.0613	0.0053	0.0449	0.005	0.0556	0.0044	0.0504	0.0039	0.0409	0.0131	0.0544	0.0042	0.0384	0.0069	0.0248	0.0059	0.0481	0.004
Copper	0.303	1.74	0.214	2.38	0.148	2.65	0.208	1.69	0.271	2.25	0.284	2.21	0.141	1.56	0.278	2.13	0.248	2.23	0.159	1.16	0.153	2.27	0.137
Iron	3.08	70.5	5.16	109	3.17	135	3.93	88.4	5.01	208	2.58	122	2.54	90.9	3.55	68	2.09	64.4	1.92	35.7	1.67	63.7	1.87
Lead	<0.0013	0.0028	0.0024	0.0138	<0.0013	0.0027	<0.0013	0.0023	<0.0013	0.0033	<0.0013	0.0016	<0.0013	0.0041	0.0039	0.0021	<0.0013	0.0025	0.0016	0.0021	<0.0013	0.0022	<0.0013
Lithium	0.226	<0.10	0.18	<0.10	0.218	<0.10	0.361	<0.10	0.208	<0.10	0.24	<0.10	0.298	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	310	233	274	181	181	188	264	216	273	205	267	159	214	210	345	169	202	499	304	87	204	161	233
Manganese	0.085	3.81	0.148	2.75	0.051	2.55	0.063	3.24	0.065	2.19	0.063	2.44	0.038	2.85	0.111	1.57	0.084	2.9	0.144	1.24	0.18	2.11	0.059
Mercury	0.226	0.173	0.18	0.2	0.218	0.264 (1)	0.361	0.323	0.208	0.33	0.24	0.298	0.298	0.258	0.276	0.272	0.173	0.229	0.17	0.148	0.245	0.399	0.263
Molybdenum	<0.0080	0.214	0.0103	0.434	<0.0080	0.325	<0.0080	0.213	<0.0080	0.334	<0.0080	0.341	<0.0080	0.18	<0.0080	0.204	<0.0080	0.191	<0.0080	0.141	<0.0080	0.234	<0.0080
Nickel	<0.010	0.033	0.025	0.167	<0.010	0.095	<0.010	0.048	<0.010	0.075	0.013	0.032	<0.010	0.043	0.024	0.045	0.013	0.043	0.013	0.027	0.102	0.06	0.026
Phosphorus	2870	4740	2440	4030	1950	4040	2480	4510	2590	4260	2520	3770	2110	4070	2910	3760	1990	4360	2520	2010	1850	3850	2060
Potassium	4640	4290	4020	3490	3350	3670	4130	4370	4230	4120	4190	3210	3670	3730	4810	3410	3000	3630	4170	1460	2970	3350	3150
Rubidium	0.226	-	0.18	10	0.218	-	0.361	-	0.208	-	0.24	11.6	0.298	-	9.74	14.9	4.62	15.2	7.25	5.15	5.63	15	5.78
Selenium	2.61	3.45	1.95	4.21	1.49	4.12	1.89	3.36	1.91	5.06	2.12	4.23	1.94	3.12	0.911	2.01	0.454	2.01	0.742	1.00	0.483	1.74	0.516
(Dry Wt) Selenium	11.2	12.7	8.95	13.7	6.87	14.6	8.73	13.1	9.13	18.4	9.04	13.6	8.42	12.3	3.56	6.47	2.00	6.56	2.95	6.03	2.10	5.65	2.09
Silver	<0.0013	0.0016	<0.0013	0.0029	<0.0013	0.0049	<0.0013	<0.0013	<0.0013	0.0048	<0.0013	0.0056	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0026	<0.0013	<0.0013	<0.0013	0.0017	<0.0013
Sodium	281	979	266	961	260	1550	304	821	306	977	262	1100	261	791	290	748	166	917	188	415	157	1030	179
Strontium	0.159	0.278	0.162	0.228	0.214	0.385	0.217	0.275	0.168	0.212	0.07	0.306	0.154	0.285	0.448	0.230	0.908	0.402	0.264	0.111	0.071	0.381	0.162
Tellurium	-	<0.0040	-	<0.0040	-	<0.0040	-	<0.0040	-	<0.0040	-	<0.0040	-	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Thallium	0.00585	0.0272	0.00718	0.0615	0.00506	0.0463	0.00692	0.0613	0.0093	0.0744	0.00723	0.0843	0.00854	0.0683	0.0134	0.103	0.00693	0.122	0.00621	0.0431	0.0102	0.130	0.00928
Tin	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.051	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Titanium	0.35	0.49	0.33	0.81	0.24	0.52	0.27	0.51	0.3	0.45	0.28	0.39	0.2	0.47	0.19	0.28	<0.13	0.30	0.13	<0.13	<0.13	0.28	<0.13
Uranium	<0.00040	0.00257	<0.00040	0.00983	<0.00040	0.0144	<0.00040	0.0102	<0.00040	0.0152	<0.00040	0.00221	<0.00040	0.00976	<0.00040	0.00190	<0.00040	0.00155	<0.00040	0.00077	<0.00040	0.00106	<0.00040
Vanadium	<0.020	0.021	<0.020	0.072	<0.020	0.058	<0.020	0.05	<0.020	0.106	<0.020	0.029	<0.020	0.037	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Zinc	3.49	24.3	2.67	22.4	1.76	24.7	2.59	24.5	2.73	25	2.82	22	2.08	19.7	3.63	21.3	3.00	24.7	2.87	11.2	2.11	20.7	2.17
Zirconium	-	<0.040	-	<0.040	-	<0.040	-	<0.040	-	<0.040	-	<0.040	-	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040

Notes:

< = less than detection limit

Metal results expressed in mg/kg wet weight, except for total (dry weight) selenium where results are expressed as mg/kg wet weight.

Lake	Moose *(cont'd)*																						
Fish ID	**5**	**6**	**6**	**7**	**7**	**8**	**8**	**9**	**9**	**10**	**10**	**11**	**11**	**12**	**12**	**13**	**13**	**14**	**14**	**15**	**15**	**16**	**16**
Date Sampled	**23-Aug-24**	**23-Aug-24**	**23-Aug-24**	**23-Aug-24**	**23-Aug-24**	**23-Aug-24**	**23-Aug-24**	**23-Aug-24**	**23-Aug-24**	**23-Aug-24**	**23-Aug-24**	**23-Aug-24**	**23-Aug-24**	**23-Aug-24**	**23-Aug-24**	**23-Aug-24**	**23-Aug-24**	**23-Aug-24**	**23-Aug-24**	**26-Aug-24**	**26-Aug-24**	**26-Aug-24**	**26-Aug-24**
Lab Sample ID	**CWD002**	**CWD154**	**CWD003**	**CWD155**	**CWD004**	**CWD156**	**CWD005**	**CWD157**	**CWD006**	**CWD158**	**CWD007**	**CWB396**	**CWB300**	**CWB397**	**CWB301**	**CWB398**	**CWB302**	**CWB399**	**CWB303**	**CWB400**	**CWB304**	**CWB401**	**CWB305**
Tisue Type	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**
Physical Tests																							
% Moisture	69	78	70	75	80	75	68	76	70	75	70	77	73	81	74	78	77	77	74	76	72	75	71
Total Metals and Nutrients																							
Aluminum	0.86	0.71	0.85	<0.50	1.47	<0.50	<0.50	0.58	0.67	<0.50	0.85	<0.50	0.79	<0.50	1.96	<0.50	3.11	6.1	2.42	<0.50	0.88	0.73	0.95
Antimony	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0046	<0.0020	0.0041	<0.0020	0.0044	0.0498 (2)	0.0053	<0.0020	0.0065	<0.0020	0.0043
Arsenic	0.0522	0.016	0.0133	0.0169	0.0126	0.0331	0.0158	0.0243	0.0159	0.0091	0.0333	0.0091	0.0244	0.0237	0.0509	0.0087	0.0159	0.013	0.0164	0.0328	0.0416	0.0279	0.0536
Barium	0.034	0.028	0.015	<0.010	0.018	<0.010	<0.010	0.027	0.011	<0.010	0.02	0.012	<0.010	<0.010	0.015	<0.010	<0.010	0.15	<0.010	<0.010	0.015	<0.010	0.011
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0047	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Bismuth	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0106 (2)	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
Boron	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium	0.0239	<0.0013	0.0103	<0.0013	0.0118	<0.0013	0.0122	<0.0013	0.0292	<0.0013	0.0252	<0.0013	0.0595	<0.0013	0.135	<0.0013	0.126	0.0110 (2)	0.061	<0.0013	0.0165	0.0014	0.0166
Calcium	84.2	239	39	45.4	26.3	57.6	20.3	145	27.2	33.3	89.2	64.5	66.1	64.8	68.9	71.1	68.4	1290	56.4	64.8	80.6	59.8	70.5
Cesium	0.0098	0.0164	0.0059	0.0098	0.005	0.0142	0.0043	0.012	0.0058	0.015	0.0117	-	0.014	-	0.0334	-	0.041	-	0.0126	-	0.0145	-	0.0172
Chromium	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.04	<0.025	<0.025
Cobalt	0.046	0.0046	0.0194	0.0075	0.0312	0.0053	0.015	0.0096	0.0332	0.0036	0.0415	0.0175	0.142	0.0055	0.0655	0.008	0.049	0.028	0.0984	0.0046	0.0549	0.0015	0.0282
Copper	2.54	0.237	1.27	0.166	1.49	0.377	0.927	0.687	1.47	0.143	2.25	0.304	2.68	0.185	2.5	0.256	1.59	0.487 (2)	1.59	0.21	2	0.177	1.61
Iron	83	2.04	36.3	1.29	35.4	3.21	24.2	3.08	55.5	1.29	74.7	3.28	198	5.02	231	3.94	86.9	4.69	107	1.58	74.8	1.56	52.1
Lead	0.0017	<0.0013	0.0016	<0.0013	0.0017	<0.0013	0.0022	0.0032	0.0026	<0.0013	0.0038	<0.0013	0.0018	<0.0013	0.0024	<0.0013	0.0022	0.0298 (2)	0.0039	0.0018	0.0032	<0.0013	0.0372
Lithium	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10
Magnesium	175	269	116	257	101	255	81.6	254	114	215	193	278	193	223	185	277	209	363	217	308	270	307	230
Manganese	2.54	0.144	1.31	0.084	1.29	0.076	1.1	0.169	1.42	0.047	2.05	0.091	3.25	0.055	2.36	0.054	2.43	0.564	2.82	0.063	3.7	0.045	3.05
Mercury	0.386	0.147	0.128	0.154	0.136	0.207	0.114	0.153	0.153	0.197	0.315	0.442	0.546	0.29	0.468	0.649	0.614	0.319 (1)	0.428	0.383	0.539	0.405	0.423
Molybdenum	0.288	<0.0080	0.168	<0.0080	0.155	<0.0080	0.101	<0.0080	0.151	<0.0080	0.277	<0.0080	0.322	<0.0080	0.279	<0.0080	0.149	0.108 (2)	0.194	<0.0080	0.188	<0.0080	0.173
Nickel	0.05	<0.010	0.029	0.01	0.046	<0.010	0.028	0.017	0.038	<0.010	0.054	0.011	0.071	<0.010	0.067	<0.010	0.063	0.371 (2)	0.072	0.011	0.043	0.014	0.048
Phosphorus	4450	2450	2160	2270	2140	2220	1810	2240	2370	1970	4250	2580	4100	2340	3630	2630	3970	3600	4140	2820	5240	2720	4680
Potassium	3540	3870	1830	3570	1810	3540	1410	3450	2240	3090	3560	4440	3640	4030	3870	4330	3880	4700	4090	4640	4530	4470	3900
Rubidium	12.8	5.41	6.12	6.18	6.94	5.33	4.73	5.52	7.5	5.22	14	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	1.84	0.631	0.892	0.797	1.34	0.607	0.669	0.810	1.46	0.642	1.65	1.17	3.38	0.64	2.45	0.67	1.81	0.472	1.38	0.587	1.49	0.67	1.35
(Dry Wt) Selenium	5.99	2.81	3.01	3.24	6.51	2.46	2.10	3.31	4.92	2.55	5.45	5.05	12.3	3.35	9.31	3.06	7.76	2.04	5.24	2.39	5.38	2.65	4.62
Silver	0.0026	<0.0013	<0.0013	<0.0013	0.0025	<0.0013	<0.0013	<0.0013	0.0014	<0.0013	<0.0013	<0.0013	0.0051	<0.0013	0.0022	<0.0013	<0.0013	0.0038 (2)	<0.0013	<0.0013	<0.0013	<0.0013	0.0022
Sodium	1160	195	375	162	410	204	317	194	376	183	876	294	1100	351	849	315	870	320	836	258	966	257	810
Strontium	0.371	0.972	0.176	0.076	0.115	0.158	0.100	0.574	0.118	0.081	0.433	0.167	0.283	0.185	0.214	0.166	0.186	4.99	0.169	0.158	0.295	0.139	0.271
Tellurium	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	-	0.0098	-	0.0055	-	0.0044	-	<0.0040	-	<0.0040	-	<0.0040
Thallium	0.115	0.00684	0.0630	0.00739	0.0433	0.0102	0.0685	0.00902	0.0918	0.00979	0.145	0.0103	0.0812	0.00536	0.0463	0.00595	0.0487	0.0304 (2)	0.021	0.0127	0.0975	0.0157	0.148
Tin	<0.020	<0.020	<0.020	<0.020	0.347	<0.020	<0.020	<0.020	0.027	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.025	<0.020	<0.020	<0.020	<0.020	<0.020
Titanium	0.22	0.15	0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	0.26	0.25	0.44	0.24	0.43	0.26	0.43	0.44	0.56	0.34	0.61	0.32	0.48
Uranium	0.00163	0.00046	0.00089	<0.00040	0.00056	<0.00040	0.00090	<0.00040	0.00152	<0.00040	0.00248	<0.00040	0.00694	<0.00040	0.0255	<0.00040	0.013	0.0107 (2)	0.0118	<0.00040	0.00121	<0.00040	0.0005
Vanadium	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.021	<0.020	0.107	<0.020	0.031	<0.020	0.05	<0.020	<0.020	<0.020	<0.020
Zinc	23.0	3.56	12.5	2.76	13.1	4.17	9.64	4.45	14.4	2.38	21.1	2.93	26.4	1.97	23.1	2.78	21	4.03	21.4	2.51	25.7	2.68	22
Zirconium	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	-	<0.040	-	<0.040	-	<0.040	-	<0.040	-	<0.040	-	<0.040

Notes:

< = less than detection limit

Metal results expressed in mg/kg wet weight, except for total (dry weight) selenium where results are expressed as mg/kg wet weight.

Lake	Moose *(cont'd)*								Nema															
Fish ID	17	17	18	18	19	19	20	20	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	
Date Sampled	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	26-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	
Lab Sample ID	CWB402	CWB306	CWB403	CWB307	CWB404	CWB308	CWB405	CWB309	CWD172	CWD172	CWD173	CWD173	CWD174	CWD174	CWD175	CWD175	CWD176	CWD176	CWD177	CWD177	CWD178	CWD178	CWD179	
Tisue Type	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	
Physical Tests																								
% Moisture	75	76	77	72	78	70	75	72	78	70	80	75	80	71	79	73	77	75	77	73	77	72	79	
Total Metals and Nutrients																								
Aluminum	1.36	2.39	<0.50	2.4	0.73	0.65	0.66	0.7	1.72	1.72	1.09	1.09	<0.50	<0.50	0.5	0.5	1.66	1.66	<0.50	<0.50	1.2	1.2	<0.50	
Antimony	0.0031	0.0045	<0.0020	0.0047	<0.0020	0.0032	<0.0020	0.0041	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	
Arsenic	0.013	0.0161	0.0071	0.0186	0.0325	0.0795	0.0069	0.0327	0.0139	0.0139	0.0253	0.0253	0.0253	0.0253	0.0356	0.0356	0.0132	0.0132	0.0167	0.0167	0.0166	0.0166	0.017	
Barium	0.014	0.069	<0.010	0.01	<0.010	0.011	<0.010	0.013	0.014	0.014	0.012	0.012	<0.010	<0.010	<0.010	<0.010	0.015	0.015	<0.010	<0.010	<0.010	<0.010	<0.010	
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	
Bismuth	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	
Boron	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
Cadmium	0.002	0.165	0.0015	0.125	<0.0013	0.017	0.0019	0.0349	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	
Calcium	49	99	50.6	56.2	48.7	68.1	74.9	79.2	55.9	55.9	59.7	59.7	52.9	52.9	63	63	49.7	49.7	50.9	50.9	56.4	56.4	59.3	
Cesium	-	0.0134	-	0.0146	-	0.0153	-	0.0144	0.0428	0.0428	0.0556	0.0556	0.0542	0.0542	0.0623	0.0623	0.0488	0.0488	0.0539	0.0539	0.0435	0.0435	0.0264	
Chromium	0.026	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	
Cobalt	0.0061	0.065	0.0117	0.0735	0.0021	0.0461	0.0036	0.0356	0.0081	0.0081	0.0311	0.0311	0.0181	0.0181	0.009	0.009	0.0187	0.0187	0.0246	0.0246	0.0076	0.0076	0.0095	
Copper	0.167	1.59	0.154	1.79	0.197	2.45	0.207	1.48	0.169	0.169	0.184	0.184	0.226	0.226	0.202	0.202	0.224	0.224	0.201	0.201	0.242	0.242	0.234	
Iron	3.08	131	2.57	91.2	1.8	98	2.07	43	4.5	4.5	3.3	3.3	3.69	3.69	2.55	2.55	3.12	3.12	2.8	2.8	4.82	4.82	2.56	
Lead	0.0013	0.0028	<0.0013	0.0022	<0.0013	<0.0013	<0.0013	<0.0013	0.0023	0.0023	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	
Lithium	-	<0.10	-	<0.10	-	<0.10	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Magnesium	252	216	248	206	292	170	331	222	317	317	304	304	293	293	310	310	320	320	323	323	293	293	286	
Manganese	0.089	3.72	0.052	3.3	0.07	2.23	0.075	2.88	0.088	0.088	0.059	0.059	0.077	0.077	0.07	0.07	0.088	0.088	0.068	0.068	0.103	0.103	0.074	
Mercury	0.497	0.541	0.569	0.68	0.27	0.514	0.248	0.198	0.384	0.384	0.237	0.237	0.207	0.207	0.313	0.313	0.319	0.319	0.245	0.245	0.291	0.291	0.19	
Molybdenum	<0.0080	0.177	<0.0080	0.215	<0.0080	0.249	<0.0080	0.147	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	
Nickel	0.012	0.054	<0.010	0.053	<0.010	0.04	<0.010	0.033	<0.010	<0.010	0.016	0.016	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Phosphorus	2330	4200	2290	4390	2760	3840	2810	4300	2760	2760	2790	2790	2650	2650	2840	2840	2860	2860	2830	2830	2640	2640	2750	
Potassium	3800	3870	3880	3860	4520	3250	4420	4000	4680	4680	4940	4940	4520	4520	5160	5160	5010	5010	4960	4960	4650	4650	4830	
Rubidium	-	-	-	-	-	15.8	-	17.5	8.74	8.74	8.4	8.4	8.54	8.54	8.89	8.89	7.93	7.93	8.85	8.85	7.99	7.99	7.58	
Selenium	1.18	2.33	0.834	1.75	0.494	1.69	0.826	2.4	0.65	0.65	0.421	0.421	0.524	0.524	0.518	0.518	0.619	0.619	0.528	0.528	0.564	0.564	0.479	
(Dry Wt) Selenium	4.7	9.65	3.59	6.25	2.25	5.59	3.36	8.46	2.91	5.68	2.1	4.94	2.66	5.11	2.43	4.9	2.68	3.92	2.34	3.71	2.49	5.44	2.26	
Silver	<0.0013	0.0013	<0.0013	0.0033	<0.0013	0.0021	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	
Sodium	260	953	273	990	227	1190	288	954	292	292	283	283	275	275	286	286	288	288	263	263	298	298	263	
Strontium	0.119	0.422	0.102	0.191	0.107	0.387	0.183	0.305	0.195	0.195	0.139	0.139	0.121	0.121	0.155	0.155	0.077	0.077	0.088	0.088	0.17	0.17	0.185	
Tellurium	-	<0.0040	-	<0.0040	-	<0.0040	-	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	0.0103	0.0103	<0.0040	<0.0040	0.0042	0.0042	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	
Thallium	0.00476	0.0454	0.00602	0.0298	0.0141	0.169	0.0111	0.0784	0.00634	0.00634	0.00413	0.00413	0.00472	0.00472	0.00523	0.00523	0.0047	0.0047	0.00499	0.00499	0.00563	0.00563	0.00388	
Tin	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.236	0.236	<0.020	<0.020	<0.020	<0.020	<0.020	
Titanium	0.29	0.48	0.28	0.57	0.3	0.41	0.3	0.42	0.33	0.33	0.34	0.34	0.27	0.27	0.38	0.38	0.32	0.32	0.28	0.28	0.28	0.28	0.31	
Uranium	0.001	0.0311	<0.00040	0.0264	<0.00040	0.00084	<0.00040	0.00282	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	
Vanadium	<0.020	0.046	<0.020	0.049	<0.020	<0.020	<0.020	<0.020	0.032	0.032	0.04	0.04	0.032	0.032	0.038	0.038	0.051	0.051	0.036	0.036	0.045	0.045	0.028	
Zinc	2.46	20.4	2.65	20.2	2.5	25	3.11	21.4	3.62	3.62	3.03	3.03	3.33	3.33	2.79	2.79	3.72	3.72	3.26	3.26	3.74	3.74	2.89	
Zirconium	-	0.04	-	<0.040	-	<0.040	-	<0.040	<0.040	-	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	

Notes:

< = less than detection limit

Metal results expressed in mg/kg wet weight, except for total (dry weight) selenium where results are expressed as mg/kg wet weight.

Lake	Nema *(cont'd)*																						
Fish ID	8	9	9	10	10	11	11	12	12	13	13	14	14	15	15	16	16	17	17	18	18	19	19
Date Sampled	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24	31-Aug-24
Lab Sample ID	CWD179	CWD180	CWD180	CWD181	CWD181	CWB417	CWB321	CWB418	CWB322	CWB419	CWB323	CWB420	CWB324	CWB421	CWB325	CWB422	CWB326	CWB423	CWB327	CWB424	CWB328	CWB425	CWB329
Tisue Type	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver
Physical Tests																							
% Moisture	69	78	72	78	72	77	72	76	75	76	72	75	75	78	74	75	74	75	74	76	73	77	73
Total Metals and Nutrients																							
Aluminum	<0.50	0.57	0.57	0.83	0.83	0.94	1.05	0.69	0.97	0.84	1.29	0.58	1.11	0.91	<0.50	<0.50	<0.50	0.61	<0.50	1.1	0.59	0.56	5.52
Antimony	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0034	<0.0020	0.0027	0.0024	0.0039	<0.0020	0.0027	<0.0020	0.0025	<0.0020	<0.0020	<0.0020	0.0021	<0.0020	0.0028	<0.0020	0.0039
Arsenic	0.017	0.0067	0.0067	0.0189	0.0189	0.0301	0.0653	0.0182	0.049	0.0276	0.0627	0.0115	0.0616	0.0129	0.0688	0.0179	0.0129	0.013	0.0242	0.0218	0.0436	0.0059	0.0301
Barium	<0.010	<0.010	<0.010	0.02	0.02	<0.010	<0.010	<0.010	0.01	<0.010	0.016	<0.010	<0.010	0.014	<0.010	<0.010	<0.010	0.02	<0.010	<0.010	<0.010	<0.010	<0.010
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Bismuth	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.002	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
Boron	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0015	0.0964	0.0015	0.0791	0.0017	0.0868	0.0014	0.0729	0.0015	0.0767	<0.0013	0.0157	<0.0013	0.0897	<0.0013	0.0224	<0.0013	0.0717
Calcium	59.3	53.4	53.4	44	44	68.6	64.1	61.2	66	67.3	61.2	66.6	72.3	65.2	51.7	79	50.5	80.6	69.7	60.4	80.8	56.1	75.9
Cesium	0.0264	0.034	0.034	0.0212	0.0212	-	0.0227	-	0.0323	-	0.0201	-	0.0421	-	0.037	-	0.0119	-	0.0196	-	0.012	-	0.019
Chromium	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.071
Cobalt	0.0095	<0.0013	<0.0013	0.0051	0.0051	0.0067	0.0661	0.0138	0.0578	0.0151	0.101	0.0213	0.108	0.0543	0.0981	0.0018	0.019	0.011	0.0584	0.0047	0.0352	0.0058	0.0633
Copper	0.234	0.191	0.191	0.21	0.21	0.205	2.66	0.271	1.58	0.336	2.44	0.267	3.22	0.224	1.92	0.237	1.31	0.236	1.81	0.207	2.03	0.179	2.16
Iron	2.56	1.89	1.89	1.54	1.54	3.53	116	3.55	64.8	6.93	177	3.11	51.6	4	115	2.52	49.3	4.69	153	2.43	69.9	4.3	289
Lead	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0014	<0.0013	0.0014	<0.0013	0.0028	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0024	0.0018	<0.0013	<0.0013	<0.0013
Lithium	<0.10	<0.10	<0.10	<0.10	<0.10	0.335	<0.10	0.456	<0.10	0.275	<0.10	0.224	<0.10	0.252	<0.10	0.243	<0.10	0.343	<0.10	0.213	<0.10	0.509	<0.10
Magnesium	286	327	327	324	324	390	190	314	230	331	178	338	277	291	214	403	169	364	248	335	146	318	170
Manganese	0.074	0.074	0.074	0.136	0.136	0.05	2.23	0.082	3.85	0.121	2.21	0.089	3.24	0.065	2.86	0.073	1.62	0.111	3.41	0.072	1.69	0.063	2.36
Mercury	0.19	0.317	0.317	0.181	0.181	0.335	0.424	0.456	0.52	0.37	0.37	0.275	0.243 (1)	0.224	0.225	0.252	0.321	0.243	0.287	0.343	0.299	0.213	0.848
Molybdenum	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	0.336	<0.0080	0.175	<0.0080	0.363	<0.0080	0.232	<0.0080	0.211	<0.0080	0.156	<0.0080	0.239	<0.0080	0.187	<0.0080	0.232
Nickel	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.043	<0.010	0.063	0.023	0.069	<0.010	0.029	0.022	0.038	<0.010	0.017	<0.010	0.039	0.019	0.042	<0.010	0.051
Phosphorus	2750	2810	2810	2820	2820	3110	4190	2770	4420	2850	3780	2860	5310	2380	4290	3170	3310	3020	5060	2810	3330	2620	3970
Potassium	4830	4880	4880	4860	4860	4840	3820	4420	4350	4670	3600	4600	5260	3980	4180	5220	3190	4960	4640	4620	3090	4380	3430
Rubidium	7.58	7.32	7.32	9.22	9.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.6	-	
Selenium	0.479	0.499	0.499	0.61	0.61	0.605	1.81	0.47	1.3	0.625	2.11	0.632	1.44	0.556	1.36	0.759	1.03	0.749	1.48	0.623	1.44	0.594	2.29
(Dry Wt) Selenium	4.36	2.31	7.29	2.75	6.1	2.59	6.4	1.97	5.15	2.56	7.49	2.51	5.77	2.47	5.26	3.04	3.91	2.97	5.62	2.63	5.27	2.54	8.39
Silver	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.007	<0.0013	0.0022	0.0021	0.0029	<0.0013	0.0078	<0.0013	0.0024	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0032
Sodium	263	310	310	217	217	302	1010	329	708	342	893	280	822	550	687	315	726	305	886	249	1110	298	1260
Strontium	0.185	0.164	0.164	0.099	0.099	0.138	0.242	0.142	0.22	0.151	0.232	0.127	0.185	0.15	0.145	0.199	0.189	0.205	0.256	0.144	0.457	0.097	0.277
Tellurium	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	-	<0.0040	-	<0.0040	-	<0.0040	-	<0.0040	-	<0.0040	-	<0.0040	-	<0.0040	-	<0.0040	-	0.0051
Thallium	0.00388	0.0038	0.0038	0.00424	0.00424	0.00436	0.0352	0.00832	0.0622	0.00573	0.0679	0.00414	0.0361	0.00478	0.0269	0.00553	0.0327	0.00441	0.0346	0.00515	0.0373	0.00654	0.0885
Tin	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Titanium	0.31	0.28	0.28	0.29	0.29	0.33	0.49	0.3	0.48	0.31	0.48	0.32	0.67	0.26	0.58	0.36	0.41	0.38	0.64	0.3	0.37	0.31	0.56
Uranium	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	0.0144	<0.00040	0.00413	<0.00040	0.019	<0.00040	0.00569	<0.00040	0.0135	<0.00040	<0.00040	<0.00040	0.00374	<0.00040	0.00093	<0.00040	0.00521
Vanadium	0.028	0.037	0.037	0.041	0.041	<0.020	0.03	<0.020	0.02	<0.020	0.068	<0.020	<0.020	<0.020	0.054	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.05
Zinc	2.89	3.27	3.27	3.17	3.17	3.15	24	3.15	21.8	3.57	24.4	3.57	27.3	3.39	21.5	4.51	18.2	3.99	25.2	3.74	23	3.24	24.9
Zirconium	<0.040	<0.040	<0.040	<0.040	<0.040	-	<0.040	-	<0.040	-	<0.040	-	<0.040	-	<0.040	-	<0.040	-	<0.040	-	<0.040	-	<0.040

Notes:

< = less than detection limit

Metal results expressed in mg/kg wet weight, except for total (dry weight) selenium where results are expressed as mg/kg wet weight.

Lake	Nema *(cont'd)*		Slipper																			
Fish ID	20	20	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11
Date Sampled	31-Aug-24	31-Aug-24	16-Aug-24	16-Aug-24	16-Aug-24	16-Aug-24	16-Aug-24	16-Aug-24	16-Aug-24	16-Aug-24	16-Aug-24	16-Aug-24	16-Aug-24	16-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24
Lab Sample ID	CWB426	CWB330	CWD182	CWD034	CWD212	CWD035	CWD213	CWD036	CWD214	CWD037	CWD215	CWD038	CWD216	CWD039	CWD217	CWD040	CWD218	CWD041	CWD219	CWD042	CWD220	CWD043	CWD221
Tisue Type	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle
Physical Tests																							
% Moisture	78	69	76	69	77	74	78	70	78	73	78	70	81	75	80	70	80	73	78	76	80	72	81
Total Metals and Nutrients																							
Aluminum	<0.50	0.6	0.64	10.3	1.52	1.54	<0.50	9.38	<0.50	0.83	<0.50	9.9	1.04	2.05	0.6	21.3	<0.50	<0.50	0.6	1.75	1.9	1.95	<0.50
Antimony	0.0021	<0.0020	<0.0020	0.0022	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0034	<0.0020	0.0097	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0026	<0.0020	<0.0020	<0.0020
Arsenic	0.027	0.0447	0.0509	0.0694	0.029	0.0843	0.0428	0.0719	0.0082	0.053	0.009	0.0736	0.0082	0.0276	0.0252	0.13	0.0101	0.0366	0.0379	0.0643	0.0384	0.0869	0.0091
Barium	<0.010	<0.010	<0.010	0.074	<0.010	0.026	0.14	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.014	0.111	<0.010	<0.010	0.046	0.033	0.022	0.014	<0.010
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Bismuth	<0.0013	<0.0013	<0.0013	0.0019	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0013	0.002	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
Boron	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium	<0.0013	0.0273	<0.0013	0.0335	<0.0013	0.0308	<0.0013	0.0439	<0.0013	0.0336	<0.0013	0.0342	<0.0013	0.0322	<0.0013	0.0239	<0.0013	0.0272	<0.0013	0.0332	<0.0013	0.012	<0.0013
Calcium	82.9	52.8	42.6	109	54.2	208	1180	67	72.3	38.4	48.6	41.8	67.2	49.6	56.5	193	76.5	307	239	225	76.4	75.1	62.2
Cesium	-	0.0163	0.0394	0.0185	0.0411	0.0224	0.0812	0.0246	0.112	0.024	0.0552	0.019	0.0938	0.027	0.0235	0.0182	0.0496	0.0247	0.0614	0.0208	0.0423	0.0129	0.0606
Chromium	<0.025	<0.025	0.04	0.062	<0.025	0.332	<0.025	0.039	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.044	<0.025	<0.025	<0.025	0.041	<0.025	0.064	<0.025
Cobalt	0.0064	0.05	0.0039	0.0425	0.0022	0.0463	0.0033	0.0408	0.0053	0.0291	0.0051	0.0426	0.0094	0.047	0.0072	0.071	0.005	0.0318	0.0061	0.0532	0.0093	0.0563	0.0049
Copper	0.258	2.27	0.604	2.45	0.191	2.67	0.175	2.32	0.192	1.47	0.219	2.13	0.208	1.29	0.226	2.98	0.235	1.44	0.254	2.28	0.213	2.41	0.183
Iron	2.23	53	3.32	126	2.75	103	2.06	127	2.52	81.3	3	140	4.17	96.6	2.66	143	3.19	101	3.24	166	6.11	128	2.24
Lead	<0.0013	<0.0013	0.0024	0.0321	0.0038	0.0054	<0.0013	0.0032	0.0041	0.0026	<0.0013	0.0036	0.0019	0.0022	0.01	0.0214	0.0024	0.0021	0.0025	0.0031	<0.0013	0.0018	0.0014
Lithium	0.155	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	317	169	315	190	337	214	338	181	291	132	289	171	278	176	303	231	284	574	309	171	314	169	287
Manganese	0.085	1.93	0.073	2.5	0.069	3.25	0.409	2.37	0.084	1.74	0.146	2.75	0.12	2.91	0.085	2.32	0.053	4.18	0.129	2.59	0.096	2.03	0.091
Mercury	0.509	0.285	0.168	0.247	0.173	0.266	0.125	0.188	0.239	0.307	0.237	0.337	0.355	0.346	0.123	0.161	0.339	0.434	0.196	0.29	0.13	0.169	0.157
Molybdenum	<0.0080	0.241	<0.0080	0.213	<0.0080	0.232	<0.0080	0.206	<0.0080	0.132	<0.0080	0.214	<0.0080	0.148	<0.0080	0.167	<0.0080	0.139	<0.0080	0.199	<0.0080	0.267	<0.0080
Nickel	0.021	0.033	0.026	0.081	0.05	0.107	<0.010	0.197	<0.010	0.04	<0.010	0.189	0.011	0.074	0.012	0.086	<0.010	0.043	<0.010	0.079	0.011	0.064	<0.010
Phosphorus	2730	3450	2680	4190	2660	5050	3390	4180	2680	2940	2640	4140	2530	3550	2590	4400	2670	4460	2800	4130	2590	3800	2580
Potassium	4590	3180	4680	3330	4850	4060	5030	3460	4830	2720	4840	3510	4590	3640	4600	3490	4590	4100	4780	3070	4470	3250	4640
Rubidium	-	14.1	8.41	13	9.9	19.8	9.51	13.2	9.25	10.4	8.72	12	7.55	16.9	7.28	12.2	10.1	28.1	8.6	14.7	8.32	10.6	8.75
Selenium	0.527	1.4	0.27	1.13	0.278	1.26	0.261	1.13	0.235	0.853	0.24	1.23	0.257	0.94	0.277	1.04	0.236	0.892	0.274	1.27	0.291	1.41	0.227
(Dry Wt) Selenium	2.41	4.56	1.14	3.64	1.21	4.76	1.16	3.71	1.08	3.1	1.11	4.06	1.32	3.79	1.4	3.43	1.17	3.27	1.27	5.37	1.46	5.07	1.19
Silver	<0.0013	0.0018	<0.0013	0.002	<0.0013	0.0048	<0.0013	0.0017	<0.0013	0.0023	<0.0013	0.0027	<0.0013	<0.0013	<0.0013	0.0026	<0.0013	0.0014	<0.0013	<0.0013	<0.0013	0.0029	<0.0013
Sodium	237	984	232	1380	221	1310	256	1040	268	544	254	793	280	895	235	1050	284	729	262	1430	242	1270	260
Strontium	0.241	0.336	0.09	0.668	0.144	1.09	6.48	0.372	0.173	0.124	0.108	0.151	0.18	0.196	0.156	1.09	0.244	0.475	1.33	1.31	0.262	0.384	0.179
Tellurium	-	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Thallium	0.00459	0.0557	0.00882	0.0777	0.0128	0.124	0.0105	0.137	0.0122	0.0431	0.0075	0.0568	0.0124	0.0408	0.00729	0.0611	0.0129	0.0567	0.00981	0.0784	0.00686	0.0244	0.00931
Tin	<0.020	<0.020	<0.020	0.032	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Titanium	0.3	0.35	0.28	0.45	0.35	0.22	0.34	0.18	0.32	0.15	0.27	0.25	0.14	0.19	0.15	7.52	0.15	0.25	0.16	<0.13	0.2	0.24	0.17
Uranium	<0.00040	<0.00040	<0.00040	0.00241	<0.00040	0.0012	<0.00040	0.00101	<0.00040	0.00181	<0.00040	0.00287	<0.00040	0.00271	<0.00040	0.00165	<0.00040	0.0009	<0.00040	0.00193	0.00042	0.00215	<0.00040
Vanadium	<0.020	<0.020	0.035	<0.020	0.051	<0.020	0.032	<0.020	<0.020	<0.020	0.032	<0.020	<0.020	<0.020	<0.020	0.146	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Zinc	4.77	24.5	5.64	23.4	3.13	27.2	4.24	23.7	4.42	17.1	3.14	22.7	3.74	17.8	3.55	25.6	2.98	22.9	3.89	22.8	2.98	25.3	2.81
Zirconium	-	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	0.063	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040

Notes:

< = less than detection limit

Metal results expressed in mg/kg wet weight, except for total (dry weight) selenium where results are expressed as mg/kg wet weight.

Lake	Slipper *(cont'd)*																		Cujo				
Fish ID	11	12	12	13	13	14	15	15	16	16	17	17	18	18	19	19	20	20	1	1	2	2	3
Date Sampled	17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	17-Aug-24	18-Aug-24	18-Aug-24	18-Aug-24	18-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24	24-Aug-24
Lab Sample ID	CWD044	CWD222	CWD045	CWD223	CWD046	CWB427	CWB428	CWB332	CWB429	CWB333	CWB430	CWB334	CWB431	CWB335	CWB432	CWB336	CWB433	CWB337	CWD081	CWC961	CWD082	CWC962	CWD083
Tisue Type	Liver	Muscle	Liver	Muscle	Liver	Muscle	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle	Liver	Muscle
Physical Tests																							
% Moisture	69	79	77	79	75	77	75	67	74	65	79	63	77	66	76	70	75	76	79	69	79	68	80
Total Metals and Nutrients																							
Aluminum	0.95	<0.50	2.38	0.99	0.76	<0.50	0.65	2.81	<0.50	1.07	<0.50	1.29	<0.50	0.51	3.3	0.71	0.65	0.81	0.77	0.74	0.8	1.47	0.59
Antimony	<0.0020	<0.0020	0.0025	<0.0020	<0.0020	0.002	0.0024	0.0027	<0.0020	0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0028	<0.0020	<0.0020	<0.0020	<0.0020	0.0021
Arsenic	0.119	0.0288	0.0767	0.0102	0.0159	0.0513	0.0218	0.0671	0.0327	0.0827	0.0406	0.103	0.0245	0.0691	0.0295	0.0602	0.0152	0.0297	0.0158	0.0212	0.0053	0.0196	0.0164
Barium	<0.010	<0.010	0.021	0.083	<0.010	0.053	<0.010	0.015	<0.010	0.011	<0.010	0.013	0.011	0.014	0.024	0.023	<0.010	<0.010	0.172	0.13	0.032	0.019	0.015
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Bismuth	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0026	0.0022	0.0018	0.0015	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
Boron	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium	0.0179	<0.0013	0.0326	<0.0013	0.0469	<0.0013	<0.0013	0.0233	<0.0013	0.0196	<0.0013	0.0398	<0.0013	0.0226	<0.0013	0.0223	<0.0013	0.038	0.0017	0.0156	<0.0013	0.0085	<0.0013
Calcium	47.3	49.6	78.2	1020	43	331	68	78.4	99.5	71.3	69.7	105	68.2	125	128	68.5	79.5	69	1300	150	381	59	66.1
Cesium	0.0152	0.0367	0.0151	0.044	0.0123	-	-	0.0126	-	0.0108	-	0.0152	-	0.0128	-	0.0105	-	0.0196	0.0123	0.0064	0.0179	0.0074	0.0065
Chromium	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.029	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.027	<0.025	0.027	<0.025
Cobalt	0.0313	0.0073	0.0533	0.0082	0.0402	0.0056	0.0065	0.0541	0.0072	0.0478	0.0077	0.0533	0.0081	0.0824	0.0068	0.0349	0.0106	0.0574	0.0173	0.0896	0.0077	0.0515	0.0103
Copper	1.7	0.212	2.36	0.19	1.12	0.19	0.346	2.25	0.235	2.59	0.233	2.45	0.188	2.37	0.22	2.05	0.291	2.32	0.198	2.43	0.204	2.46	0.225
Iron	60.2	2.1	72.9	3.11	60.8	1.92	2.49	133	2.58	96.6	2.22	104	1.88	124	4	98.3	3.69	149	2.48	41.4	1.76	41.4	1.01
Lead	<0.0013	<0.0013	0.0048	0.0018	<0.0013	<0.0013	<0.0013	0.0023	<0.0013	0.0028	<0.0013	0.0015	0.0018	0.0019	<0.0013	<0.0013	<0.0013	0.0091	0.0077	0.0044	0.0021	0.0023	<0.0013
Lithium	<0.10	<0.10	<0.10	<0.10	<0.10	-	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	169	314	176	291	157	352	360	174	355	169	352	164	339	169	317	153	360	225	350	180	321	170	314
Manganese	1.71	0.072	2.18	0.23	2.6	0.215	0.085	2.08	0.059	1.9	0.078	2.21	0.069	1.89	0.063	1.91	0.101	3.63	1.24	2.42	0.271	2.06	0.114
Mercury	0.216	0.143	0.228	0.404	0.392	-	0.117	0.167	0.123	0.168	0.136	0.293	0.136	0.211	0.263	0.393	0.185	0.139	0.0579	0.116	0.0619	0.119	0.0456
Molybdenum	0.142	<0.0080	0.194	<0.0080	0.128	<0.0080	<0.0080	0.242	<0.0080	0.208	<0.0080	0.223	<0.0080	0.202	<0.0080	0.175	<0.0080	0.329	<0.0080	0.184	<0.0080	0.182	<0.0080
Nickel	0.048	0.013	0.068	0.022	0.033	<0.010	<0.010	0.039	<0.010	0.044	0.091	0.063	<0.010	0.048	<0.010	0.05	<0.010	0.041	0.015	0.042	0.056	0.027	0.018
Phosphorus	3660	2640	3950	3000	3500	2950	2980	3630	2820	3650	3050	3690	2790	3870	2700	3340	2980	4540	3390	4130	2800	4060	2650
Potassium	3200	4730	3670	4460	3630	4700	4950	3320	4740	3490	5310	3390	4760	3170	4590	3300	4800	4860	4420	3170	4460	2940	4500
Rubidium	9.57	7.63	14.2	7.38	13.5	-	-	10.4	-	11.7	-	11.8	-	11.7	-	12.6	-	-	6.21	7.73	5.6	7.46	6.32
Selenium	1	0.3	1.15	0.301	1.04	0.287	0.284	1.19	0.35	1.43	0.305	1.37	0.301	1.51	0.281	1.14	0.317	1.15	0.332	1.16	0.322	1.2	0.391
(Dry Wt) Selenium	3.26	1.45	4.99	1.46	4.1	1.24	1.16	3.54	1.35	4.08	1.43	3.73	1.3	4.47	1.16	3.86	1.27	4.72	1.54	3.73	1.5	3.76	1.92
Silver	0.0021	<0.0013	<0.0013	<0.0013	0.002	<0.0013	<0.0013	0.0018	<0.0013	0.0022	<0.0013	0.0016	<0.0013	0.0021	<0.0013	0.0015	<0.0013	0.0032	<0.0013	0.0101	<0.0013	0.0073	<0.0013
Sodium	697	252	925	277	901	243	270	1100	238	928	282	1100	246	1170	283	934	304	950	264	956	253	1120	218
Strontium	0.177	0.1	0.353	4.69	0.175	-	0.232	0.52	0.357	0.395	0.219	0.547	0.18	0.593	0.434	0.281	0.221	0.287	3.39	0.386	0.871	0.152	0.064
Tellurium	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040		-	<0.0040	-	<0.0040	-	<0.0040	-	<0.0040	-	<0.0040	-	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Thallium	0.0518	0.00694	0.0531	0.0109	0.0235	0.00608	0.00492	0.041	0.00363	0.0277	0.0115	0.0694	0.00458	0.0369	0.013	0.0597	0.00126	0.00743	0.00226	0.015	0.00181	0.00965	0.00212
Tin	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Titanium	0.17	0.13	<0.13	0.15	0.19	0.35	0.35	0.38	0.34	0.38	0.36	0.4	0.31	0.39	0.43	0.37	0.4	0.61	0.23	0.23	0.17	0.28	<0.13
Uranium	0.00135	<0.00040	0.00099	0.00045	0.00247	<0.00040	<0.00040	0.00165	<0.00040	0.00191	<0.00040	0.00188	<0.00040	0.00282	<0.00040	<0.00040	<0.00040	0.00519	0.00112	0.00128	<0.00040	0.00159	<0.00040
Vanadium	<0.020	<0.020	<0.020	<0.020	0.02	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.1	<0.020	<0.020	<0.020	<0.020	<0.020
Zinc	18.5	3.39	21.9	3.29	16.6	3.84	4.59	24.8	3.56	26.7	3.55	27.7	3.3	27.3	3.65	24.5	3.55	27	4.69	20.6	4.85	20.8	4.28
Zirconium	<0.040	<0.040	<0.040	<0.040	<0.040	-	-	<0.040	-	<0.040	-	<0.040	-	<0.040	-	<0.040	-	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040

Notes:

< = less than detection limit

Metal results expressed in mg/kg wet weight, except for total (dry weight) selenium where results are expressed as mg/kg wet weight.

Lake	Cujo *(cont'd)*																						
Fish ID	**3**	**4**	**4**	**5**	**5**	**6**	**6**	**7**	**7**	**8**	**8**	**9**	**9**	**10**	**10**	**11**	**11**	**12**	**12**	**13**	**13**	**14**	**14**
Date Sampled	**24-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**
Lab Sample ID	**CWC963**	**CWD084**	**CWC964**	**CWD085**	**CWC965**	**CWD086**	**CWC966**	**CWD087**	**CWC967**	**CWD088**	**CWC968**	**CWD089**	**CWC969**	**CWD090**	**CWC970**	**CWD091**	**CWC971**	**CWD092**	**CWC972**	**CWB362**	**CWB266**	**CWB363**	**CWB267**
Tisue Type	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**
Physical Tests																							
% Moisture	88	79	73	79	75	81	85	78	69	78	74	78	71	79	76	81	73	78	68	80	76	81	66
Total Metals and Nutrients																							
Aluminum	0.7	0.74	1.27	0.99	<0.50	1.54	1.18	<0.50	0.73	1.03	0.64	0.58	0.68	<0.50	<0.50	0.73	<0.50	1.01	<0.50	<0.50	0.77	<0.50	0.81
Antimony	<0.0020	<0.0020	0.0026	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0031	<0.0020	<0.0020	<0.0020	0.0026	<0.0020	0.0042	<0.0020	0.003	<0.0020	0.0026
Arsenic	0.0164	0.0174	0.0364	0.0066	0.0098	0.0427	0.0451	0.0129	0.0198	0.0144	0.0272	<0.0050	0.0221	0.0074	0.0145	0.0159	0.0277	0.045	0.0753	0.0072	0.0187	0.0591	0.0432
Barium	0.041	0.016	<0.010	0.015	<0.010	0.022	0.04	0.016	0.025	0.011	<0.010	0.025	0.026	<0.010	<0.010	0.019	<0.010	0.011	0.026	<0.010	0.01	0.012	0.011
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0028	<0.0020	<0.0020	<0.0020	<0.0020
Bismuth	<0.0013	<0.0013	0.0015	<0.0013	<0.0013	<0.0013	0.0023	<0.0013	<0.0013	<0.0013	0.0017	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0015	<0.0013	0.0028	<0.0013	<0.0013	<0.0013	<0.0013
Boron	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium	0.0063	<0.0013	0.0913	<0.0013	0.0297	<0.0013	0.0204	<0.0013	0.0146	<0.0013	0.0446	<0.0013	0.0383	<0.0013	0.0877	<0.0013	0.0408	<0.0013	0.0218	<0.0013	0.0634	<0.0013	0.0089
Calcium	34.2	60.2	55.5	66.1	61.1	68.3	37.5	92.3	83.8	65.7	69	89.6	53.1	58.4	54	109	36.9	65	56.2	68.6	83.6	111	41.3
Cesium	0.0027	0.0187	0.0129	0.0317	0.0125	0.0089	0.008	0.0093	0.0043	0.0137	0.0064	0.0095	0.0054	0.0184	0.0057	0.0199	0.0077	0.015	0.0134	0.0133	0.0083	0.0096	0.0056
Chromium	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.03
Cobalt	0.0361	0.0181	0.0671	0.0055	0.0226	0.0127	0.0456	0.0119	0.0761	0.0386	0.171	0.0154	0.087	0.0297	0.134	0.0245	0.113	0.0112	0.0541	0.0106	0.116	0.0058	0.0602
Copper	2.14	0.276	2.37	0.266	1.78	0.338	1.96	0.234	4.67	0.239	1.49	0.243	2.6	0.148	1.33	0.196	2.41	0.234	2.09	0.258	2.09	0.196	2.43
Iron	22.8	3.57	84.1	2.88	64.8	3.31	32.8	1.89	44.6	2.9	44.1	3.14	129	2.26	69.7	3.76	165	2.33	49	2.23	46.5	1.4	37.6
Lead	0.0025	0.0037	0.0015	0.0046	0.0018	0.0053	0.0129	<0.0013	0.0019	<0.0013	0.0016	<0.0013	0.0016	<0.0013	0.0032	<0.0013	<0.0013	0.0065	0.0234	<0.0013	<0.0013	<0.0013	<0.0013
Lithium	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	101	273	246	324	235	290	113	337	178	326	204	273	183	308	159	278	137	284	189	266	217	335	146
Manganese	1.22	0.139	3.57	0.079	2.94	0.215	1.57	0.132	1.87	0.126	2.92	0.108	2.07	0.128	2.1	0.115	1.34	0.084	1.29	0.077	3.25	0.113	1.64
Mercury	0.055	0.351	0.549	0.31	0.355	0.0687	0.071	0.0604	0.128 (1)	0.191	0.279	0.171	0.169 (1)	0.295	0.424	0.197	0.292	0.08	0.107	0.244	0.31	0.0443	0.113
Molybdenum	0.104	<0.0080	0.209	<0.0080	0.157	<0.0080	0.108	<0.0080	0.189	<0.0080	0.173	<0.0080	0.255	<0.0080	0.0924	<0.0080	0.177	<0.0080	0.165	<0.0080	0.158	<0.0080	0.211
Nickel	0.026	0.021	0.033	0.063	0.034	0.039	0.033	<0.010	0.041	0.026	0.043	<0.010	0.038	0.021	0.04	0.014	0.038	0.033	0.055	<0.010	0.038	0.016	0.032
Phosphorus	2180	2390	4910	2620	4250	2470	2440	2860	4210	2790	4160	2390	3960	2450	3170	2380	3110	2460	3690	2490	4230	2850	3400
Potassium	1810	4300	4390	4610	4070	4130	1760	4830	3380	4440	3830	4000	3450	4210	2870	3870	2760	4140	3010	4070	3830	4780	2700
Rubidium	4.64	5.73	15.9	5.83	13.6	5.26	4.12	6.02	7.15	4.22	10.4	4.92	6.65	4.65	7.98	4.87	6.43	4.69	7.45	4.51	-	7.84	6.99
Selenium	0.756	0.452	1.45	0.376	0.961	0.304	0.779	0.278	1.25	0.451	1.19	0.519	1.9	0.473	1.11	0.488	1.79	0.337	1.13	0.322	0.983	0.395	1.2
(Dry Wt) Selenium	6.1	2.13	5.41	1.82	3.83	1.58	5.19	1.27	4.05	2.05	4.59	2.34	6.45	2.22	4.56	2.5	6.55	1.56	3.46	1.6	4.15	2.09	3.56
Silver	0.0147	<0.0013	0.0049	<0.0013	0.0051	<0.0013	0.0132	<0.0013	0.0477	<0.0013	<0.0013	<0.0013	0.0072	<0.0013	0.0023	<0.0013	0.0074	<0.0013	0.0079	<0.0013	0.0062	<0.0013	0.0123
Sodium	489	319	693	315	752	251	623	265	1150	302	1040	277	945	299	841	275	1050	223	774	278	1100	250	785
Strontium	0.093	0.081	0.09	0.105	0.112	0.126	0.256	0.149	0.23	0.081	0.154	0.141	0.122	0.072	0.152	0.18	0.092	0.104	0.205	0.096	0.196	0.154	0.104
Tellurium	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Thallium	0.00823	0.00134	0.00771	0.00257	0.0225	0.0018	0.00781	0.00191	0.0104	0.00092	0.00285	0.00102	0.00752	0.00283	0.0124	0.00121	0.00686	0.0015	0.0123	0.00061	0.00697	0.00146	0.0119
Tin	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.039	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Titanium	<0.13	<0.13	0.33	0.18	0.2	0.15	<0.13	0.14	0.2	<0.13	0.2	0.15	0.2	<0.13	<0.13	0.14	<0.13	0.16	<0.13	0.34	0.5	0.31	0.3
Uranium	0.00054	0.00105	0.096	0.00129	0.0101	0.00045	0.0103	<0.00040	0.0013	0.00097	0.0419	<0.00040	0.021	0.00067	0.0558	0.00059	0.0547	0.00058	0.00697	<0.00040	0.0204	<0.00040	0.00219
Vanadium	<0.020	<0.020	0.034	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.038	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.027	<0.020	<0.020
Zinc	12	3.25	23.5	3.07	20.9	4.47	11.6	4.23	24.3	3.15	20.4	3.37	21.9	3.02	14.9	2.83	19	3.7	19.2	2.84	22	4.04	23.1
Zirconium	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040

Notes:

< = less than detection limit

Metal results expressed in mg/kg wet weight, except for total (dry weight) selenium where results are expressed as mg/kg wet weight.

Lake	Cujo *(cont'd)*											
Fish ID	**15**	**15**	**16**	**16**	**17**	**17**	**18**	**18**	**19**	**19**	**20**	**20**
Date Sampled	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**25-Aug-24**	**26-Aug-24**	**26-Aug-24**	**26-Aug-24**	**26-Aug-24**	**26-Aug-24**	**26-Aug-24**	**26-Aug-24**	**26-Aug-24**
Lab Sample ID	**CWB364**	**CWB268**	**CWB365**	**CWB269**	**CWB366**	**CWB270**	**CWB367**	**CWB271**	**CWB368**	**CWB272**	**CWB369**	**CWB273**
Tisue Type	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**	**Muscle**	**Liver**
Physical Tests												
% Moisture	81	73	79	71	78	75	79	76	79	70	78	71
Total Metals and Nutrients												
Aluminum	<0.50	1.3	<0.50	1.61	<0.50	1.45	<0.50	1.4	<0.50	0.69	<0.50	0.81
Antimony	<0.0020	0.005	<0.0020	0.0064	<0.0020	0.0044	<0.0020	0.0044	<0.0020	0.0027	<0.0020	<0.0020
Arsenic	0.0053	0.029	0.0072	0.0372	0.006	0.0289	0.009	0.0524	0.0193	0.0446	0.0621	0.104
Barium	0.012	0.137	<0.010	0.015	<0.010	<0.010	<0.010	0.013	0.01	0.235	<0.010	<0.010
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0021	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Bismuth	<0.0013	<0.0013	<0.0013	0.0017	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0016
Boron	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium	<0.0013	0.0473	<0.0013	0.0556	<0.0013	0.0608	<0.0013	0.0854	<0.0013	0.017	<0.0013	0.0133
Calcium	68.7	1570	72.5	61.8	68.6	79.2	63.3	85.2	71.2	77.1	166	88.4
Cesium	-	0.0076	-	0.007	-	0.0062	-	0.0089	-	0.0087	-	0.0116
Chromium	<0.025	0.147	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Cobalt	0.0232	0.197	0.0136	0.109	0.0014	0.0536	0.0056	0.0777	0.0059	0.0757	0.0019	0.0498
Copper	0.236	2.2	0.262	2.34	0.344	1.76	0.209	2.47	0.29	3.3	0.237	2.01
Iron	3.32	86.9	3.81	88.6	3.29	80.2	3.17	142	2.36	44.7	1.78	38.8
Lead	<0.0013	0.0031	<0.0013	0.0056	<0.0013	0.0079	<0.0013	0.0049	<0.0013	0.0022	<0.0013	<0.0013
Lithium	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10
Magnesium	288	194	330	173	337	169	258	206	291	228	271	175
Manganese	0.098	2.54	0.105	2.19	0.086	1.75	0.102	2.16	0.101	2.23	0.129	1.63
Mercury	0.175	0.294	0.275	0.445	0.202	0.138 (1)	0.28	0.33	0.0635	0.118	0.0718	0.118
Molybdenum	<0.0080	0.233	<0.0080	0.267	<0.0080	0.213	<0.0080	0.177	<0.0080	0.217	<0.0080	0.178
Nickel	0.013	0.097	0.02	0.054	<0.010	0.06	<0.010	0.055	<0.010	0.032	<0.010	0.025
Phosphorus	2570	4440	2840	4320	2880	3520	2290	3690	2720	4880	2430	3710
Potassium	4400	3220	4750	3390	4720	3140	4080	3770	4550	4020	4030	3510
Rubidium	-	6.09	-	8.49	-	6.26	-	7.35	-	9.2	-	7.96
Selenium	0.39	1.81	0.494	2	0.467	2.29	0.39	1.5	0.313	1.31	0.287	1.06
(Dry Wt) Selenium	2.03	6.71	2.34	6.81	2.09	9.01	1.9	6.16	1.5	4.4	1.32	3.58
Silver	<0.0013	0.0065	<0.0013	0.0045	<0.0013	<0.0013	<0.0013	0.0054	<0.0013	0.0121	<0.0013	0.0042
Sodium	280	1040	291	1280	297	1360	241	847	257	1020	207	939
Strontium	0.072	4.2	0.089	0.205	0.067	0.203	0.064	0.194	0.076	0.203	0.333	0.218
Tellurium	-	<0.0040	-	0.0117	-	0.0049	-	<0.0040	-	<0.0040	-	<0.0040
Thallium	0.00168	0.00794	0.00057	0.00788	<0.00040	0.00464	0.00111	0.0111	0.00106	0.0169	0.00128	0.0138
Tin	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Titanium	0.37	0.5	0.37	0.56	0.34	0.37	0.31	0.41	0.37	0.67	0.28	0.34
Uranium	<0.00040	0.0574	<0.00040	0.0415	<0.00040	0.0321	<0.00040	0.035	<0.00040	0.00141	<0.00040	0.0011
Vanadium	<0.020	0.036	<0.020	0.028	<0.020	<0.020	<0.020	0.04	<0.020	<0.020	<0.020	<0.020
Zinc	2.78	23.4	3.13	24.3	3.51	23.1	2.44	20.8	4.61	27.8	4.3	23.5
Zirconium	-	<0.040	-	<0.040	-	<0.040	-	<0.040	-	<0.040	-	<0.040

Notes:

< = less than detection limit

Metal results expressed in mg/kg wet weight, except for total (dry weight) selenium where results are expressed as mg/kg wet weight.

Table 3.9-21 Round Whitefish Muscle Metal and Nutrient Detection Limits and Proportion Below Detection Limit for AEMP Lakes, 2024

ZLake	Nanuq			Counts			Kodiak			Leslie			Moose			Nema			Slipper			Cujo		
Statistic	**Min**	**Max**	**%BDL**	**Min**	**Max**	**%BDL**	**Min**	**Max**	**%BDL**	**Min**	**Max**	**%BDL**	**Min**	**Max**	**%BDL**	**Min**	**Max**	**%BDL**	**Min**	**Max**	**%BDL**	**Min**	**Max**	**%BDL**
Total Metals																								
Aluminum	0.5	0.5	40	0.5	0.5	67.86	0.5	0.5	35	0.5	0.5	25	0.5	0.5	60	0.5	0.5	25	0.5	0.5	50	0.5	0.5	50
Antimony	0.002	0.002	90	0.002	0.002	64.29	0.002	0.002	85	0.002	0.002	95	0.002	0.002	90	0.002	0.002	90	0.002	0.002	90	0.002	0.002	95
Arsenic	0.005	0.005	0	0.005	0.005	3.57	0.005	0.005	5	0.005	0.005	0	0.005	0.005	0	0.005	0.005	0	0.005	0.005	0	0.005	0.005	5
Barium	0.01	0.01	50	0.01	0.01	50.00	0.01	0.01	30	0.01	0.01	65	0.01	0.01	60	0.01	0.01	70	0.01	0.01	60	0.01	0.01	30
Beryllium	0.002	0.002	100	0.002	0.002	100.00	0.002	0.002	100	0.002	0.002	100	0.002	0.002	95	0.002	0.002	100	0.002	0.002	100	0.002	0.002	100
Bismuth	0.0013	0.0013	100	0.0013	0.0013	46.43	0.0013	0.0013	100	0.0013	0.0013	100	0.0013	0.0013	95	0.0013	0.0013	100	0.0013	0.0013	85	0.0013	0.0013	100
Boron	0.2	0.2	100	0.2	0.2	100.00	0.2	0.2	100	0.2	0.2	100	0.2	0.2	100	0.2	0.2	100	0.2	0.2	100	0.2	0.2	100
Cadmium	0.0013	0.0013	85	0.0013	0.0013	50.00	0.0013	0.0013	85	0.0013	0.0013	85	0.0013	0.0013	75	0.0013	0.0013	75	0.0013	0.0013	100	0.0013	0.0013	95
Calcium	4	4	0	4	4	0.00	4	4	0	4	4	0	4	4	0	4	4	0	4	4	0	4	4	0
Cesium	0.001	0.001	0	0.001	0.001	0.00	0.001	0.001	0	0.001	0.001	0	0.001	0.001	0	0.001	0.001	0	0.001	0.001	0	0.001	0.001	0
Chromium	0.025	0.025	95	0.025	0.025	100.00	0.025	0.025	95	0.025	0.025	100	0.025	0.025	95	0.025	0.025	100	0.025	0.025	90	0.025	0.025	100
Cobalt	0.0013	0.0013	0	0.0013	0.0013	0.00	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	5	0.0013	0.0013	0	0.0013	0.0013	0
Copper	0.013	0.013	0	0.013	0.013	0.00	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0
Iron	0.25	0.25	0	0.25	0.25	0.00	0.25	0.25	0	0.25	0.25	0	0.25	0.25	0	0.25	0.25	0	0.25	0.25	0	0.25	0.25	0
Lead	0.0013	0.0013	80	0.0013	0.0013	39.29	0.0013	0.0013	35	0.0013	0.0013	65	0.0013	0.0013	70	0.0013	0.0013	90	0.0013	0.0013	50	0.0013	0.0013	70
Lithium	0.1	0.1	100	0.1	0.1	100.00	0.1	0.1	100	0.1	0.1	100	0.1	0.1	100	0.1	0.1	100	0.1	0.1	100	0.1	0.1	100
Magnesium	0.4	0.4	0	0.4	0.4	0.00	0.4	0.4	0	0.4	0.4	0	0.4	0.4	0	0.4	0.4	0	0.4	0.4	0	0.4	0.4	0
Manganese	0.01	0.01	0	0.01	0.01	0.00	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0
Mercury	0.001	0.002	0	0.001	0.002	0.00	0.001	0.01	0	0.001	0.01	0	0.001	0.01	0	0.001	0.01	0	0.001	0.01	0	0.001	0.002	0
Molybdenum	0.008	0.008	100	0.008	0.008	100.00	0.008	0.008	100	0.008	0.008	95	0.008	0.008	95	0.008	0.008	100	0.008	0.008	100	0.008	0.008	100
Nickel	0.01	0.01	60	0.01	0.01	53.57	0.01	0.01	10	0.01	0.01	45	0.01	0.01	40	0.01	0.01	75	0.01	0.01	60	0.01	0.01	35
Phosphorus	2	2	0	2	2	0.00	2	2	0	2	2	0	2	2	0	2	2	0	2	2	0	2	2	0
Potassium	2.5	2.5	0	2.5	2.5	0.00	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0
Rubidium	0.01	0.01	0	0.01	0.01	0.00	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0
Selenium	0.01	0.01	0	0.01	0.01	0.00	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0
(Dry Wt) Selenium	0.03	0.057	0	0.026	0.048	0.00	0.027	0.052	0	0.028	0.19	0	0.027	0.052	0	0.027	0.051	0	0.03	0.052	0	0.028	0.053	0
Silver	0.0013	0.0013	100	0.0013	0.0013	100.00	0.0013	0.0013	100	0.0013	0.0013	100	0.0013	0.0013	95	0.0013	0.0013	95	0.0013	0.0013	100	0.0013	0.0013	100
Sodium	2.5	2.5	0	2.5	2.5	0.00	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0
Strontium	0.013	0.013	0	0.013	0.013	0.00	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0

ZLake	Nanuq			Counts			Kodiak			Leslie			Moose			Nema			Slipper			Cujo		
Statistic	Min	Max	%BDL	Min	Max	%BDL	Min	Max	%BDL	Min	Max	%BDL	Min	Max	%BDL	Min	Max	%BDL	Min	Max	%BDL	Min	Max	%BDL
Tellurium	0.004	0.004	100	0.004	0.004	100.00	0.004	0.004	100	0.004	0.004	100	0.004	0.004	100	0.004	0.004	80	0.004	0.004	100	0.004	0.004	100
Thallium	0.0004	0.0004	0	0.0004	0.0004	0.00	0.0004	0.0004	0	0.0004	0.0004	0	0.0004	0.0004	0	0.0004	0.0004	0	0.0004	0.0004	0	0.0004	0.0004	5
Tin	0.02	0.02	95	0.02	0.02	96.43	0.02	0.02	85	0.02	0.02	95	0.02	0.02	95	0.02	0.02	95	0.02	0.02	100	0.02	0.02	100
Titanium	0.13	0.13	30	0.13	0.13	14.29	0.13	0.13	0	0.13	0.13	15	0.13	0.13	35	0.13	0.13	0	0.13	0.13	0	0.13	0.13	20
Uranium	0.0004	0.0004	100	0.0004	0.0004	85.71	0.0004	0.0004	95	0.0004	0.0004	100	0.0004	0.0004	85	0.0004	0.0004	100	0.0004	0.0004	90	0.0004	0.0004	60
Vanadium	0.02	0.02	80	0.02	0.02	100.00	0.02	0.02	100	0.02	0.02	100	0.02	0.02	100	0.02	0.02	50	0.02	0.02	80	0.02	0.02	100
Zinc	0.2	0.2	0	0.2	0.2	0.00	0.2	0.2	0	0.2	0.2	0	0.2	0.2	0	0.2	0.2	0	0.2	0.2	0	0.2	0.2	0
Zirconium	0.04	0.04	100	0.04	0.04	100.00	0.04	0.04	100	0.04	0.04	100	0.04	0.04	100	0.04	0.04	100	0.04	0.04	100	0.04	0.04	100

Notes:
BDL = below detection limit; max = maximum; min= minimum
Metal results expressed in mg/kg wet weight, except for total (dry weight) selenium where results are expressed as mg/kg dry weight.

Table 3.9-22 Round Whitefish Liver Metal and Nutrient Detection Limits and Proportion Below Detection Limit for AEMP Lakes, 2024

Lake	Nanuq			Counts			Kodiak			Leslie			Moose			Nema			Slipper			Cujo		
Statistic	Min	Max	%BDL	Min	Max	%BDL	Min	Max	%BDL	Min	Max	%BDL	Min	Max	%BDL	Min	Max	%BDL	Min	Max	%BDL	Min	Max	%BDL
Total Metals																								
Aluminum	0.5	0.5	0	0.5	0.5	7.14	0.5	0.5	35	0.5	0.5	35	0.5	0.5	5	0.5	0.5	40	0.5	0.5	5	0.5	0.5	20
Antimony	0.002	0.002	33	0.002	0.002	67.86	0.002	0.002	20	0.002	0.002	40	0.002	0.002	45	0.002	0.002	60	0.002	0.002	58	0.002	0.002	45
Arsenic	0.005	0.005	0	0.005	0.005	0	0.005	0.005	0	0.005	0.005	0	0.005	0.005	0	0.005	0.005	0	0.005	0.005	0	0.005	0.005	0
Barium	0.01	0.01	5	0.01	0.01	42.86	0.01	0.01	25	0.01	0.01	45	0.01	0.01	20	0.01	0.01	85	0.01	0.01	42	0.01	0.01	35
Beryllium	0.002	0.002	100	0.002	0.002	100	0.002	0.002	75	0.002	0.002	100	0.002	0.002	100	0.002	0.002	100	0.002	0.002	1	0.002	0.002	90
Bismuth	0.0013	0.0013	94	0.0013	0.0013	14.29	0.0013	0.0013	80	0.0013	0.0013	100	0.0013	0.0013	100	0.0013	0.0013	85	0.0013	0.0013	79	0.0013	0.0013	65
Boron	0.2	0.2	100	0.2	0.2	96.43	0.2	0.2	100	0.2	0.2	100	0.2	0.2	100	0.2	0.2	100	0.2	0.2	100	0.2	0.2	100
Cadmium	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	0
Calcium	4	4	0	4	4	0	4	4	0	4	4	0	4	4	0	4	4	0	4	4	0	4	4	0
Cesium	0.001	0.001	0	0.001	0.001	0	0.001	0.001	0	0.001	0.001	0	0.001	0.001	0	0.001	0.001	0	0.001	0.001	0	0.001	0.001	0
Chromium	0.025	0.025	61	0.025	0.025	85.71	0.025	0.025	70	0.025	0.025	95	0.025	0.025	95	0.025	0.025	95	0.025	0.025	68	0.025	0.025	80
Cobalt	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	0	0.0013	0.0013	0
Copper	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0
Iron	0.25	0.25	0	0.25	0.25	0	0.25	0.25	0	0.25	0.25	0	0.25	0.25	0	0.25	0.25	0	0.25	0.25	0	0.25	0.25	0
Lead	0.0013	0.0013	11	0.0013	0.0013	10.71	0.0013	0.0013	10	0.0013	0.0013	15	0.0013	0.0013	10	0.0013	0.0013	55	0.0013	0.0013	16	0.0013	0.0013	20
Lithium	0.1	0.1	100	0.1	0.1	100	0.1	0.1	100	0.1	0.1	100	0.1	0.1	100	0.1	0.1	100	0.1	0.1	100	0.1	0.1	100

Lake	Nanuq			Counts			Kodiak			Leslie			Moose			Nema			Slipper			Cujo		
Statistic	Min	Max	%BDL	Min	Max	%BDL	Min	Max	%BDL	Min	Max	%BDL	Min	Max	%BDL	Min	Max	%BDL	Min	Max	%BDL	Min	Max	%BDL
Magnesium	0.4	0.4	0	0.4	0.4	0	0.4	0.4	0	0.4	0.4	0	0.4	0.4	0	0.4	0.4	0	0.4	0.4	0	0.4	0.4	0
Manganese	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0
Mercury	0.001	0.01	0	0.001	0.01	0	0.001	0.01	0	0.001	0.01	0	0.001	0.01	0	0.001	0.01	0	0.001	0.01	0	0.001	0.01	0
Molybdenum	0.008	0.008	0	0.008	0.008	0	0.008	0.008	0	0.008	0.008	0	0.008	0.008	0	0.008	0.008	0	0.008	0.008	0	0.008	0.008	0
Nickel	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0
Phosphorus	2	2	0	2	2	0	2	2	0	2	2	0	2	2	0	2	2	0	2	2	0	2	2	0
Potassium	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0
Rubidium	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0
Selenium	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0
(Dry Wt) Selenium	0.029	0.16	0	0.031	0.045	0	0.023	1	0	0.032	0.04	0	0.031	0.06	0	0.032	0.04	0	0.027	0.043	0	0.03	0.081	0
Silver	0.0013	0.0013	11	0.0013	0.0013	39.29	0.0013	0.0013	15	0.0013	0.0013	15	0.0013	0.0013	45	0.0013	0.0013	20	0.0013	0.0013	16	0.0013	0.0013	10
Sodium	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0	2.5	2.5	0
Strontium	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0	0.013	0.013	0
Tellurium	0.004	0.004	78	0.004	0.004	100	0.004	0.004	90	0.004	0.004	95	0.004	0.004	85	0.004	0.004	95	0.004	0.004	100	0.004	0.004	90
Thallium	0.0004	0.0004	0	0.0004	0.0004	0	0.0004	0.0004	0	0.0004	0.0004	0	0.0004	0.0004	0	0.0004	0.0004	0	0.0004	0.0004	0	0.0004	0.0004	0
Tin	0.02	0.02	83	0.02	0.02	100	0.02	0.02	100	0.02	0.02	95	0.02	0.02	90	0.02	0.02	95	0.02	0.02	95	0.02	0.02	95
Titanium	0.13	0.13	17	0.13	0.13	0	0.13	0.13	30	0.13	0.13	30	0.13	0.13	20	0.13	0.13	0	0.13	0.13	11	0.13	0.13	25
Uranium	0.0004	0.0004	0	0.0004	0.0004	0	0.0004	0.0004	45	0.0004	0.0004	25	0.0004	0.0004	0	0.0004	0.0004	10	0.0004	0.0004	5	0.0004	0.0004	0
Vanadium	0.02	0.02	94	0.02	0.02	89.29	0.02	0.02	70	0.02	0.02	35	0.02	0.02	70	0.02	0.02	55	0.02	0.02	84	0.02	0.02	70
Zinc	0.2	0.2	0	0.2	0.2	0	0.2	0.2	0	0.2	0.2	0	0.2	0.2	0	0.2	0.2	0	0.2	0.2	0	0.2	0.2	0
Zirconium	0.04	0.04	100	0.04	0.04	89.47	0.04	0.04	100	0.04	0.04	100	0.04	0.04	95	0.04	0.04	100	0.04	0.04	95	0.04	0.04	100

Notes:

BDL = below detection limit; max = maximum; min= minimum

Metal results expressed in mg/kg wet weight, except for total (dry weight) selenium where results are expressed as mg/kg dry weight.

Table 3.9-23 Summary of Lake Trout and Round Whitefish Tissue Arsenic Concentration Data for AEMP Lakes, 2024

Lake	n	BDL (%)	Mean (mg/kg wwt)	SE (mg/kg wwt)	Min (mg/kw wwt)	Max (mg/kw wwt)	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (year)
Lake Trout - Muscle Tissue Plug									
Nanuq	21	5	0.029	0.008	0.002	0.144	497	1680	8
Counts	23	4	0.029	0.004	0.006	0.072	405	1006	8
Vulture	18	0	0.022	0.004	0.007	0.072	476	1332	8
Kodiak	20	0	0.019	0.005	0.006	0.102	537	1723	10
Leslie	19	0	0.052	0.033	0.005	0.64	489	1270	11
Moose	20	15	0.012	0.001	0.005	0.028	448	1043	8
Nema	20	5	0.014	0.002	0.003	0.039	522	1568	9
Slipper	23	9	0.019	0.003	0.004	0.048	441	1101	8
Cujo	22	0	0.022	0.002	0.008	0.052	506	2264	11
Round Whitefish - Muscle									
Nanuq	20	0	0.022	0.002	0.009	0.035	238	152	4
Counts	28	4	0.020	0.003	0.004	0.069	352	516	10
Kodiak	20	5	0.017	0.002	0.005	0.032	294	298	8
Leslie	20	0	0.013	0.001	0.006	0.024	404	744	10
Moose	20	0	0.018	0.002	0.007	0.033	304	351	7
Nema	20	0	0.019	0.002	0.006	0.036	380	646	12
Slipper	20	0	0.026	0.003	0.008	0.051	272	227	5
Cujo	20	5	0.019	0.004	0.002	0.062	308	403	10
Round Whitefish - Liver									
Nanuq	19	0	0.061	0.006	0.023	0.128	238	154	4
Counts	28	0	0.073	0.008	0.020	0.167	352	516	10
Kodiak	20	0	0.028	0.004	0.006	0.066	294	298	8
Leslie	20	0	0.033	0.003	0.009	0.059	404	744	10
Moose	20	0	0.030	0.004	0.012	0.080	304	351	7
Nema	20	0	0.040	0.004	0.013	0.069	380	646	12
Slipper	19	0	0.070	0.007	0.016	0.130	276	235	6
Cujo	20	0	0.035	0.005	0.01	0.104	308	403	10

Notes:

BDL = below detection limit; g = grams; max = maximum value; min = minimum value; mm = millimeters; n = sample size; SE = standard error; wwt = wet weight

Summary statistics not calculated when more than 60% of the values were below detection limit.

Dash (-) indicates not applicable.

Table 3.9-24 Summary of Lake Trout and Round Whitefish Tissue Cadmium Concentration Data for AEMP Lakes, 2024

Lake	n	BDL (%)	Mean (mg/kg wwt)	SE (mg/kg wwt)	Min (mg/kw wwt)	Max (mg/kw wwt)	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (year)
Lake Trout - Muscle Tissue Plug									
Nanuq	21	67	-	-	-	-	497	1680	8
Counts	23	61	-	-	-	-	405	1006	8
Vulture	18	100	-	-	-	-	476	1332	8
Kodiak	20	90	-	-	-	-	537	1723	10
Leslie	19	53	0.004	0.003	0.000	0.058	489	1270	11
Moose	20	85	-	-	-	-	448	1043	8
Nema	20	95	-	-	-	-	522	1568	9
Slipper	23	96	-	-	-	-	441	1101	8
Cujo	22	55	0.002	0.000	0.000	0.007	506	2264	11
Round Whitefish - Muscle									
Nanuq	20	85	-	-	-	-	238	152	4
Counts	28	50	0.001	0.000	0.000	0.004	352	516	10
Kodiak	20	85	-	-	-	-	294	298	8
Leslie	20	85	-	-	-	-	404	744	10
Moose	20	75	-	-	-	-	304	351	7
Nema	20	75	-	-	-	-	380	646	12
Slipper	20	100	-	-	-	-	272	227	5
Cujo	20	95	-	-	-	-	308	403	10
Round Whitefish - Liver									
Nanuq	19	0	0.049	0.004	0.011	0.095	238	154	4
Counts	28	0	0.067	0.007	0.015	0.165	352	516	10
Kodiak	20	0	0.049	0.011	0.007	0.164	294	298	8
Leslie	20	0	0.129	0.022	0.019	0.306	404	744	10
Moose	20	0	0.047	0.011	0.010	0.165	304	351	7
Nema	20	0	0.060	0.006	0.016	0.108	380	646	12
Slipper	19	0	0.030	0.002	0.012	0.047	276	235	6
Cujo	20	0	0.039	0.006	0.006	0.091	308	403	10

Notes:

BDL = below detection limit; g = grams; max = maximum value; min = minimum value; mm = millimeters; n = sample size; SE = standard error; wwt = wet weight

Summary statistics not calculated when more than 60% of the values were below detection limit.

Dash (-) indicates not applicable.

Table 3.9-25 Summary of Lake Trout and Round Whitefish Tissue Chromium Concentration Data for AEMP Lakes, 2024

Lake	n	BDL (%)	Mean (mg/kg wwt)	SE (mg/kg wwt)	Min (mg/kw wwt)	Max (mg/kw wwt)	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (year)
Lake Trout - Muscle Tissue Plug									
Nanuq	21	14	0.211	0.09	0.007	1.87	497	1680	8
Counts	23	17	0.097	0.016	0.013	0.31	405	1006	8
Vulture	18	28	0.164	0.101	0.003	1.86	476	1332	8
Kodiak	20	30	0.049	0.01	0.006	0.155	537	1723	10
Leslie	19	47	0.037	0.014	0.002	0.27	489	1270	11
Moose	20	25	0.053	0.012	0.006	0.231	448	1043	8
Nema	20	15	0.08	0.02	0.008	0.315	522	1568	9
Slipper	23	13	0.189	0.062	0.005	1.31	441	1101	8
Cujo	22	23	0.151	0.064	0.004	1.35	506	2264	11
Round Whitefish - Muscle									
Nanuq	20	95	-	-	-	-	238	152	4
Counts	28	100	-	-	-	-	352	516	10
Kodiak	20	95	-	-	-	-	294	298	8
Leslie	20	100	-	-	-	-	404	744	10
Moose	20	95	-	-	-	-	304	351	7
Nema	20	100	-	-	-	-	380	646	12
Slipper	20	90	-	-	-	-	272	227	5
Cujo	20	100	-	-	-	-	308	403	10
Round Whitefish - Liver									
Nanuq	19	58	0.027	0.008	0.001	0.139	238	154	4
Counts	28	86	-	-	-	-	352	516	10
Kodiak	20	70	-	-	-	-	294	298	8
Leslie	20	95	-	-	-	-	404	744	10
Moose	20	95	-	-	-	-	304	351	7
Nema	20	95	-	-	-	-	380	646	12
Slipper	19	68	-	-	-	-	276	235	6
Cujo	20	80	-	-	-	-	308	403	10

Notes:

BDL = below detection limit; g = grams; max = maximum value; min = minimum value; mm = millimeters; n = sample size; SE = standard error; wwt = wet weight

Summary statistics not calculated when more than 60% of the values were below detection limit.

Dash (-) indicates not applicable.

Table 3.9-26 Summary of Lake Trout and Round Whitefish Tissue Lead Concentration Data for AEMP Lakes, 2024

Lake	n	BDL (%)	Mean (mg/kg wwt)	SE (mg/kg wwt)	Min (mg/kw wwt)	Max (mg/kw wwt)	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (year)
Lake Trout - Muscle Tissue Plug									
Nanuq	21	33	0.093	0.065	0.000	1.39	497	1680	8
Counts	23	9	0.012	0.003	0.001	0.047	405	1006	8
Vulture	18	11	0.018	0.006	0.000	0.082	476	1332	8
Kodiak	20	25	0.007	0.002	0.000	0.03	537	1723	10
Leslie	19	0	0.045	0.029	0.002	0.558	489	1270	11
Moose	20	75	-	-	-	-	448	1043	8
Nema	20	40	0.007	0.003	0.000	0.048	522	1568	9
Slipper	23	26	2.389	2.341	0.000	53.9	441	1101	8
Cujo	22	36	0.014	0.003	0.001	0.072	506	2264	11
Round Whitefish - Muscle									
Nanuq	20	80	-	-	-	-	238	152	4
Counts	28	39	0.003	0.001	0.000	0.015	352	516	10
Kodiak	20	35	0.004	0.001	0.000	0.023	294	298	8
Leslie	20	65	-	-	-	-	404	744	10
Moose	20	70	-	-	-	-	304	351	7
Nema	20	90	-	-	-	-	380	646	12
Slipper	20	50	0.002	0.000	0.000	0.01	272	227	5
Cujo	20	70	-	-	-	-	308	403	10
Round Whitefish - Liver									
Nanuq	19	11	0.007	0.003	0.000	0.067	238	154	4
Counts	28	11	0.008	0.004	0.000	0.122	352	516	10
Kodiak	20	10	0.007	0.002	0.001	0.030	294	298	8
Leslie	20	15	0.003	0.001	0.001	0.014	404	744	10
Moose	20	10	0.004	0.002	0.001	0.037	304	351	7
Nema	20	55	0.001	0.000	0.001	0.003	380	646	12
Slipper	19	16	0.005	0.002	0.000	0.032	276	235	6
Cujo	20	20	0.004	0.001	0.000	0.023	308	403	10

Notes:

BDL = below detection limit; g = grams; max = maximum value; min = minimum value; mm = millimeters; n = sample size; SE = standard error; wwt = wet weight

Summary statistics not calculated when more than 60% of the values were below detection limit.

Dash (-) indicates not applicable.

Table 3.9-27 Summary of Lake Trout and Round Whitefish Tissue Mercury Concentration Data for AEMP Lakes, 2024

Lake	n	BDL (%)	Mean (mg/kg wwt)	SE (mg/kg wwt)	Min (mg/kw wwt)	Max (mg/kw wwt)	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (year)
Lake Trout - Muscle Tissue Plug									
Nanuq	21	0	0.273	0.045	0.01	0.717	497	1680	8
Counts	23	0	0.143	0.026	0.01	0.59	405	1006	8
Vulture	18	0	0.157	0.025	0.033	0.426	476	1332	8
Kodiak	20	0	0.616	0.039	0.403	1.19	537	1723	10
Leslie	19	0	0.494	0.017	0.3	0.635	489	1270	11
Moose	20	0	0.49	0.039	0.238	0.81	448	1043	8
Nema	20	0	0.643	0.09	0.196	1.89	522	1568	9
Slipper	23	0	0.529	0.107	0.032	2.36	441	1101	8
Cujo	22	0	0.636	0.186	0.05	3.78	506	2264	11
Round Whitefish - Muscle									
Nanuq	20	0	0.040	0.004	0.024	0.088	238	152	4
Counts	28	0	0.073	0.003	0.049	0.118	352	516	10
Kodiak	20	0	0.225	0.030	0.101	0.500	294	298	8
Leslie	20	0	0.246	0.010	0.180	0.361	404	744	10
Moose	20	0	0.303	0.032	0.147	0.649	304	351	7
Nema	20	0	0.284	0.020	0.155	0.509	380	646	12
Slipper	20	0	0.194	0.019	0.117	0.404	272	227	5
Cujo	20	0	0.162	0.023	0.044	0.351	308	403	10
Round Whitefish - Liver									
Nanuq	19	0	0.057	0.003	0.021	0.082	238	154	4
Counts	28	0	0.291	0.047	0.056	0.980	352	516	10
Kodiak	20	0	0.310	0.041	0.060	0.654	294	298	8
Leslie	20	0	0.253	0.012	0.173	0.330	404	744	10
Moose	20	0	0.362	0.040	0.114	0.680	304	351	7
Nema	20	0	0.375	0.034	0.225	0.848	380	646	12
Slipper	19	0	0.261	0.020	0.139	0.434	276	235	6
Cujo	20	0	0.615	0.152	0.055	2.470	308	403	10

Notes:

BDL = below detection limit; g = grams; max = maximum value; min = minimum value; mm = millimeters; n = sample size; SE = standard error; wwt = wet weight

Summary statistics not calculated when more than 60% of the values were below detection limit.

Dash (-) indicates not applicable.

Table 3.9-28 Summary of Lake Trout and Round Whitefish Tissue Selenium Concentration Data for AEMP Lakes, 2024

Lake	n	BDL (%)	Mean (mg/kg wwt)	SE (mg/kg wwt)	Min (mg/kw wwt)	Max (mg/kw wwt)	Mean (mg/kw dwt)	SE (mg/kw dwt)	Min (mg/kw dwt)	Max (mg/kw dwt)	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (year)
Lake Trout - Muscle Tissue Plug													
Nanuq	21	0	0.322	0.020	0.029	0.492	1.366	0.089	0.120	2.070	497	1680	8
Counts	23	0	0.196	0.010	0.11	0.275	0.747	0.041	0.451	1.250	405	1006	8
Vulture	18	0	0.186	0.008	0.121	0.246	0.78	0.045	0.416	1.130	476	1332	8
Kodiak	20	0	0.216	0.006	0.171	0.263	1.031	0.058	0.671	1.780	537	1723	10
Leslie	19	0	1.929	0.063	1.54	2.68	8.416	0.265	7.000	11.800	489	1270	11
Moose	20	0	0.829	0.040	0.422	1.15	3.656	0.144	2.290	4.700	448	1043	8
Nema	20	0	0.629	0.028	0.432	0.841	2.811	0.099	2.000	4.060	522	1568	9
Slipper	23	0	0.235	0.013	0.044	0.339	1.072	0.072	0.208	1.780	441	1101	8
Cujo	22	0	0.487	0.039	0.085	1.06	2.235	0.161	0.447	4.330	506	2264	11
Round Whitefish - Muscle													
Nanuq	20	0	0.255	0.012	0.190	0.389	1.192	0.043	0.892	1.630	238	152	4
Counts	28	0	0.197	0.006	0.139	0.262	0.885	0.026	0.626	1.160	352	516	10
Kodiak	20	0	0.217	0.008	0.171	0.273	0.954	0.035	0.709	1.190	294	298	8
Leslie	20	0	2.074	0.078	1.470	2.750	8.855	0.271	5.770	11.200	404	744	10
Moose	20	0	0.707	0.047	0.454	1.180	2.975	0.187	2.000	5.050	304	351	7
Nema	20	0	0.578	0.019	0.421	0.759	2.531	0.060	1.970	3.040	380	646	12
Slipper	20	0	0.279	0.007	0.227	0.350	1.266	0.028	1.080	1.460	272	227	5
Cujo	20	0	0.389	0.017	0.278	0.519	1.865	0.081	1.270	2.500	308	403	10

Lake	n	BDL (%)	Mean (mg/kg wwt)	SE (mg/kg wwt)	Min (mg/kw wwt)	Max (mg/kw wwt)	Mean (mg/kw dwt)	SE (mg/kw dwt)	Min (mg/kw dwt)	Max (mg/kw dwt)	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (year)
Round Whitefish - Liver													
Nanuq	19	0	1.198	0.078	0.476	2.390	4.283	0.336	3.090	8.910	238	154	4
Counts	28	0	0.674	0.031	0.353	0.994	2.474	0.111	1.180	3.540	352	516	10
Kodiak	20	0	0.921	0.070	0.267	1.540	4.519	1.199	2.080	26.700	294	298	8
Leslie	20	0	3.638	0.184	2.310	5.280	12.678	0.569	8.520	18.400	404	744	10
Moose	20	0	1.732	0.137	0.669	3.380	6.362	0.513	2.100	12.300	304	351	7
Nema	20	0	1.503	0.079	0.983	2.290	5.463	0.273	3.710	8.390	380	646	12
Slipper	19	0	1.165	0.042	0.853	1.510	4.050	0.154	3.100	5.370	276	235	6
Cujo	20	0	1.341	0.093	0.756	2.29	5.103	0.335	3.46	9.010	308	403	10

Notes:
BDL = below detection limit; g = grams; max = maximum value; min = minimum value; mm = millimeters; n = sample size; SE = standard error; wwt = wet weight
Summary statistics not calculated when more than 60% of the values were below detection limit.
Dash (-) indicates not applicable.

3.9.8 Phenols and Chlorinated Phenols

Chlorinated phenol concentrations in Lake Trout and Round Whitefish liver and muscle tissue samples were analysed by Bureau Veritas Laboratories. Chlorinated phenols were analysed in incidental Lake Trout mortalities in all monitored and reference lakes, where sufficient sample weight remained after metal and nutrient analysis (four Lake Trout from Cujo Lake). Chlorinated phenols were also analysed in five heaviest Round Whitefish sampled in Nanuq, Counts, Leslie, and Moose lakes (i.e., five heaviest Round Whitefish out of the 20 fish sacrificed for tissue metals and nutrients sampling were selected). A subset of the five largest Round Whitefish per lake were selected based on an assumption that the largest fish would be most likely to be consumed by humans and would also have the highest bioaccumulation rate of chlorinated phenols.

Chlorinated phenol analysis results are presented for Lake Trout in Table 3.9-29 and for Round Whitefish in Table 3.9-30.

3.9.9 Traditional Knowledge

Traditional Knowledge specialist comments and observations during the large-bodied fish program in 2024 are provided in Table 3.9-31.

3.9.10 Large-Bodied Fish QA/QC

Small- and large-bodied fish data had the same QA/QC procedures, which are described in Section 3.8.8.

Table 3.9-29 Lake Trout Muscle and Liver Phenol and Chlorinated Phenol Concentrations for AEMP Lakes, 2024

Lake	Counts				Cujo	Slipper
Fish ID	22	23	24	25	23	22
Collection Date	21-Aug-24	21-Aug-24	21-Aug-24	21-Aug-24	24-Aug-24	16-Aug-24
Lab Sample ID	CWE225	CWE226	CWE227	CWE223	CWE232	CWE229
Tissue Type	Muscle	Muscle	Muscle	Muscle	Muscle	Muscle
Phenolics						
Phenol	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
2-chlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
3 & 4-chlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
4-chloro-3-methylphenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,3-dichlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,4-dichlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,5-dichlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,6-dichlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
3,4-dichlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
3,5-dichlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,3,4-trichlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,3,5-trichlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,3,6-trichlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,4,5-trichlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,4,6-trichlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
3,4,5-trichlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,3,4,5-tetrachlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,3,4,6-tetrachlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,3,5,6-tetrachlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
pentachlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020

Notes:
Results expressed in µg/g
< = less than detection limit

Table 3.9-30 Round Whitefish Muscle and Liver Phenol and Chlorinated Phenol Concentrations for AEMP Lakes, 2024

Lake	Nanuq					Counts						Leslie								Moose					
Fish ID	9	14	18	19	14+18+19	6	7	11	12	14	6+11+12+14	5	7	7	9	12	12	20	20	12	13	17	18	11+12+13	17+18
Collection Date	1-Sep-24	1-Sep-24	1-Sep-24	7-Sep-24	-	20-Aug-24	20-Aug-24	20-Aug-24	21-Aug-24	21-Aug-24	-	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	30-Aug-24	23-Aug-24	23-Aug-24	26-Aug-24	26-Aug-24	23-Aug-24	26-Aug-24
Lab Sample ID	CWD167	CWB406	CWB410	CWB411	DDN849	CWD073	CWD074	CWD078	CWD079	CWB345	DDN848	CWC991	CWC993	CWD144	CWD146	CWB289	CWB385	CWB297	CWB393	CWB397	CWB398	CWB402	CWB403	DDO558	DDO559
Tissue Type	Muscle	Muscle	Muscle	Muscle	Liver (pooled)	Muscle	Muscle	Muscle	Muscle	Muscle	Liver (pooled)	Liver	Liver	Muscle	Muscle	Liver	Muscle	Liver	Muscle	Muscle	Muscle	Muscle	Muscle	Liver (pooled)	Liver (pooled)
Phenolics																									
Phenol	<0.10	<0.10	0.12	0.12	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.17	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
2-chlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
3 & 4-chlorophenol	<0.020	<0.030	<0.050	<0.050	<0.020	<0.020	<0.020	<0.020	<0.020	<0.060	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.030	<0.020	<0.020	<0.020	<0.020
4-chloro-3-methylphenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,3-dichlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,4-dichlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,5-dichlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,6-dichlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
3,4-dichlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
3,5-dichlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,3,4-trichlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,3,5-trichlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,3,6-trichlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,4,5-trichlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,4,6-trichlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
3,4,5-trichlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,3,4,5-tetrachlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,3,4,6-tetrachlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,3,5,6-tetrachlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
pentachlorophenol	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020

Notes:

Results expressed in µg/g

< = less than detection limit

Table 3.9-31 Traditional Knowledge Specialist Comments and Observations during Fish Sampling for AEMP Lakes, 2024

Lake	Date	Fish ID	Species	Sex	Community	TK Initials	Type of Comment/ Observation	Comment / Observation
Nanuq	24-Sep-2024	6	LKTR	-	-	IZ	Fish	Fish was very still and tired upon capture. Ian remarked that they would eat this fish.
Moose	23-Aug-2024	-	-	-	-	DB, RW	General	Richard identified cranberries and offered them to Isaac. Also explained how it was just after cloud berry season. Donavon offered Richard and Isaac of his homemade dried moose and explained how it was dried in his drying shack with no seasoning. Also explained that pieces of the fat were better. After not having luck with the first gillnet, Richard said that Isaac needed to give back to the land first before taking. He went on to explain that in a new place you must give to the land. This was explained as a leaf of tobacco with a branch. Richard gave Isaac a cigarette to disperse. Next round of gilnetting, four round whitefish were caught.
Slipper	17-Aug-2024	-	-	-	-	-	-	Ms. Rabesca mentioned that in her community, they do not typically fish in open water bodies such as Slipper Lake and that fishing is conducted in much deeper waters and typically at the mouth of a river where some flow is present. Also, a large net with large mesh openings and bounded on both ends by long poles is set in deeper waters for several days before retrieval.
Cujo	25-Aug-2024	RDWH-8	RDWH	F	-	NR	Fish	"Yes, (I would eat the fish) the eggs look good."
Kodiak	25-Aug-2024	-	LKTR	-	-	RW	Fish	Richard made a drawing on the TK Data Sheet showing the configuration of gillnets in relation to the habitat features on shore. He mentioned that nets are typically angled across the current in order to create a trap for the fish. He wrote the word for current in his native language, Tłı̨chǫ.
Kodiak	25-Aug-2024	56	ARGR	-	-	DB, RW	Fish	Donovan noticed that the fish had turned upside down so, he started rubbing its belly. He said that when fish are caught in nets and brought back up, they swallow a lot of air. So, rubbing the belly helps release air and helps fish recover faster.

Lake	Date	Fish ID	Species	Sex	Community	TK Initials	Type of Comment/ Observation	Comment / Observation
Kodiak	25-Aug-2024	-	RDWH	-	-	RW	Fish	"Survival of the fittest, if it has bite marks it means it is going to be prey." This remark was made in regard to a skinny, unhealthy fish.
Kodiak	25-Aug-2024	1	LKTR	-	-	DB	Fish	Fish estimated to be approx. 5 lbs. Donavan said "it was a good size and I would eat it if it was not from this lake because of the contaminants from mining activity."
Kodiak	25-Aug-2024	56	ARGR	-	-	DB	Fish	"It is unhealthy because there are bugs on the inside if the liner has spots on it."
-	7-Sep-2024	-	-	-	-	RW	Fish	Richard indicated "the fish move to shallow waters during the day," and to set the nets from the shallows along an angle. No particular lake (other than northern lakes) or species was mentioned. He indicated that this information was from an elder.
Vulture	1-Sep-2024	-	LKTR	-	-	RW	Fish	"Have to set shallow in the morning for LKTR and deep in the so that they feed in the shallows during the day and move deep after 13:00 hrs."

Notes:

Species: ARGR = Arctic Grayling; LKTR = Lake Trout; RDWH = Round Whitefish

Sex: F = female, M = male, U = unknown

Dash (-) indicates not applicable.

Traditional Knowledge Holders and Community Representatives:

DB= Donovan Boucher, Yellowknife, Knowledge Contributor

IZ = Ian Zoey, Yellowknife, Knowledge Contributor

NR = Naomi Rabesca, Behchokǫ̀. Indigenous Knowledge Contributor

RW = Richard Weyallon, Behchokǫ̀. Indigenous Knowledge Contributor

3.10 Meteorology

Meteorology data are collected as part of the Air Quality Monitoring Program (AQMP). Data for the 2024 AEMP monitoring period (October 2023 to September 2024) are reported in the AEMP because they are directly related to hydrology and, potentially, water quality at the site. Methods for data collection and analysis are described in the 2023 AQMP Report (ERM 2023c).

The meteorological monitoring program at the Ekati Mine in 2024 included the operation of the Koala automated meteorological station (Figure 2.2-1). The Koala meteorological station (Koala station) operates year-round.

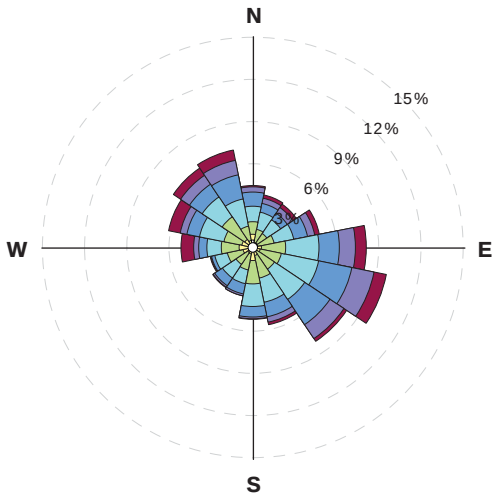
The mean monthly air temperatures for the 2024 AEMP monitoring year as measured at Koala station and regional meteorological stations are presented in Table 3.10-1. Daily air temperature data from the Koala station are presented in Table 3.10-2. Seasonal temperature ranks and departures for the Environment and Climate Change Canada's Mackenzie District region and the Koala station are summarised in Table 3.10-3. Total daily precipitation at the Koala station is presented in Table 3.10-4. Monthly precipitation and snow depths at Koala and regional meteorological stations are presented in Table 3.10-5. Wind speed and direction measured by the Koala station are summarised by wind roses and wind speed frequency distributions presented in Figure 3.10-1.

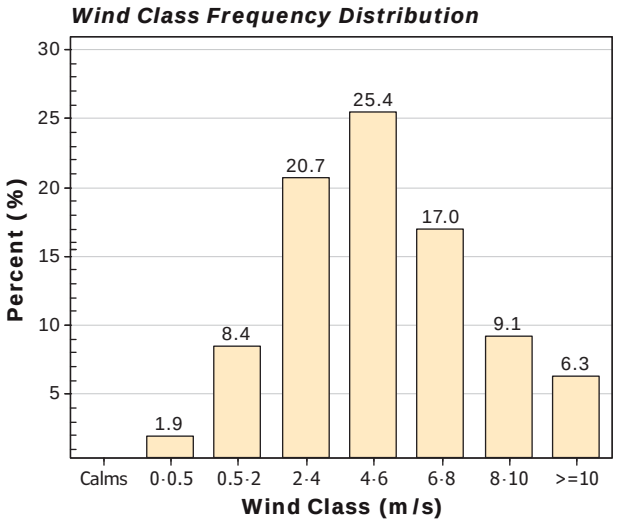
Table 3.10-1 Mean Monthly Air Temperature for Koala and Regional Meteorological Stations, 2024 AEMP Monitoring Period

Month	Koala Station	Kugluktuk Airport	Bathurst Inlet Climate Station	Yellowknife Airport
2023				
October	-0.9	-1.1	0.0	2.1
November	-15.7	-13.2	-14.4	-9.5
December	-20.2	-15.7	-17.4	-13.7
2024				
January	-29.9	-26.6	-27.0	-27.4
February	-25.6	-23.0	-24.8	-20.5
March	-23.4	-23.1	-22.6	-16.6
April	-10.7	-11.6	-10.1	-2.8
May	1.1	0.4	2.3	8.6
June	8.6	8.6	8.2	13.0
July	15.5	12.4	14.3	18.9
August	12.7	12.9	13.3	16.1
September	6.5	6.6	6.9	10.6
Mean[1]	**-6.8**	**-6.1**	**-5.9**	**-1.8**
Normal	**-8.8**	**-9.7[2,3]**	**NA**	**-4.0[2,3]**

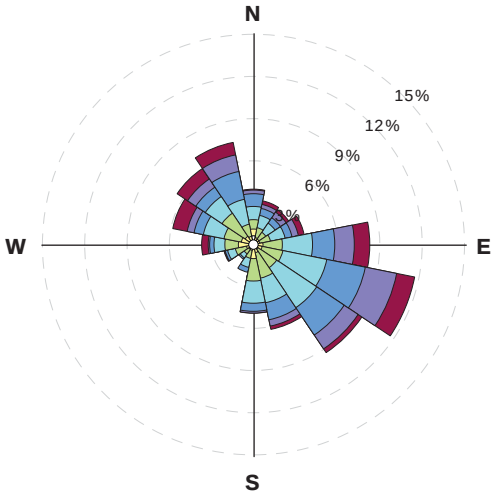
Notes:
Temperature units are °C.
NA = not applicable
[1] Mean of the October 2023 to September 2024 monthly values.
[2] Data source: ECCC 2024a.
[3] 1991 to 2020 climate normal.

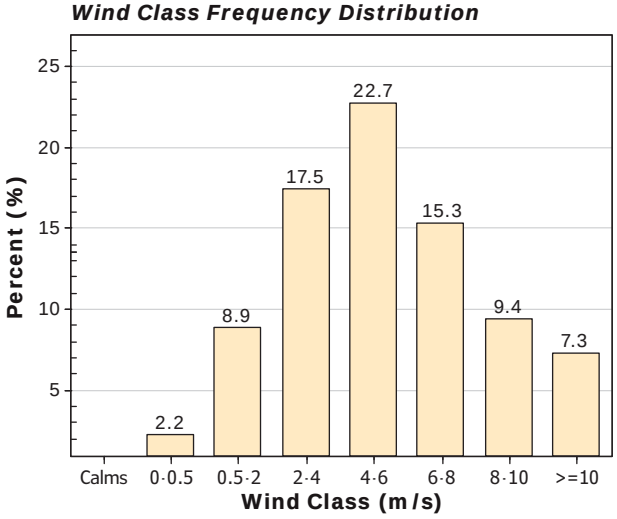
12 Month Period: October 1, 2023 to September 30, 2024



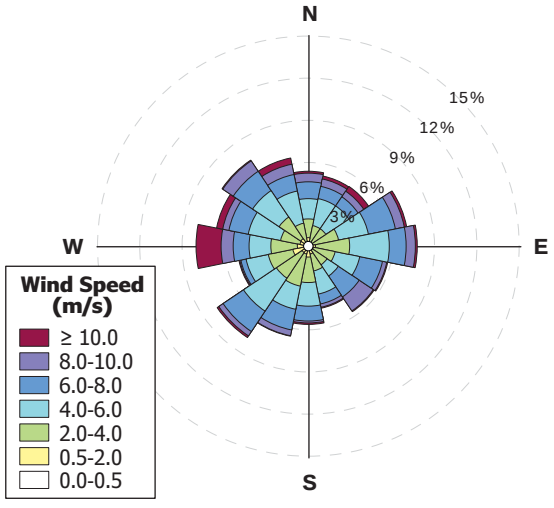


Snow Cover Period: October 1, 2023 to May 31, 2024





Snow Free Period: June 1, 2024 to September 31, 2024



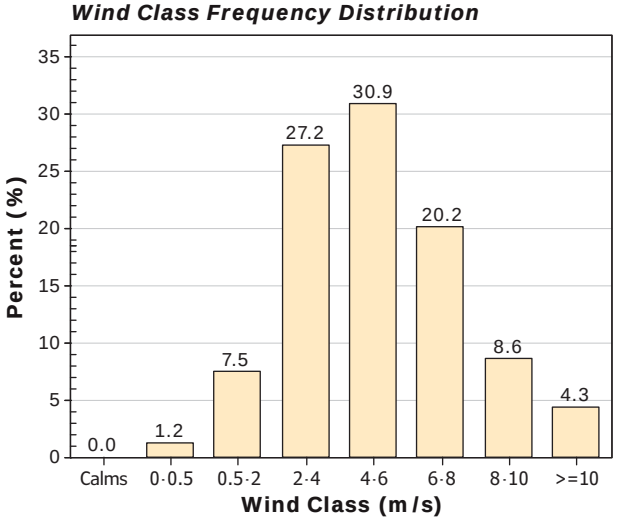


Figure 3.10-1 Wind Rose and Wind Speed Frequency Distribution for Koala Meteorological Station. October 1, 2023 to September 30, 2024

Table 3.10-2 Mean Daily Air Temperature Measured at Koala Station, 2024 AEMP Monitoring Period

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.
1	2.0	-11.5	-29.9	-18.8	-11.7	-24.9	-7.1	-6.8	4.1	19.6	7.5	10.6
2	3.5	-11.7	-23.4	-26.4	-17.9	-31.3	-14.9	-8.7	1.4	10.9	10.4	7.9
3	4.5	-13.1	-25.9	-32.3	-18.6	-35.3	-17.4	-9.2	2.6	8.7	13.9	5.6
4	3.9	-13.3	-21.8	-36.8	-32.5	-31.5	-19.6	-6.7	3.5	11.4	10.1	6.4
5	-0.7	-14.5	-22.3	-32.7	-30.4	-26.9	-13.7	-3.0	4.7	12.4	12.3	7.5
6	-3.1	-16.8	-15.0	-34.0	-28.1	-29.4	-11.6	-1.1	5.0	10.6	15.4	12.6
7	-1.8	-17.8	-16.5	-32.4	-23.6	-28.0	-8.6	0.2	8.0	12.0	17.4	13.2
8	4.0	-16.6	-20.5	-37.1	-19.0	-26.9	-4.6	1.4	10.3	12.8	19.2	10.9
9	1.0	-9.6	-22.7	-38.6	-24.2	-16.9	-6.4	3.1	11.6	14.8	20.7	7.7
10	5.7	-6.4	-17.1	-39.5	-26.3	-14.3	-9.4	-0.7	8.6	8.4	20.6	4.3
11	7.2	-7.5	-24.9	-41.1	-16.0	-19.9	-8.1	-7.1	5.5	9.4	20.4	7.1
12	4.2	-10.6	-25.4	-37.8	-18.6	-20.2	-4.7	-6.5	9.1	13.5	19.7	8.1
13	5.7	-13.5	-10.7	-35.2	-27.9	-17.1	-2.2	-1.0	9.1	15.5	12.0	9.1
14	4.6	-13.3	-19.0	-36.1	-30.8	-11.8	-4.9	1.0	6.8	17.1	10.2	9.5
15	4.5	-17.3	-21.4	-34.4	-23.1	-21.6	-9.9	-0.3	3.5	19.0	9.8	8.7
16	2.4	-21.4	-25.8	-24.1	-18.6	-25.3	-16.4	-0.7	1.9	21.5	11.0	9.6
17	0.5	-15.9	-27.6	-21.2	-22.9	-17.7	-15.8	2.0	6.2	23.4	12.3	9.1
18	0.2	-12.7	-27.3	-16.2	-25.3	-29.4	-8.5	-0.3	6.3	24.3	14.2	7.6
19	3.4	-12.1	-26.1	-18.9	-27.0	-29.9	-5.5	0.1	11.9	18.7	13.6	5.7
20	-0.2	-12.3	-24.2	-26.5	-30.0	-29.1	-13.4	2.3	7.6	16.5	16.3	4.9
21	-5.9	-20.5	-19.7	-32.1	-28.6	-28.0	-6.6	4.6	11.0	17.8	8.2	3.3
22	-5.6	-23.8	-20.3	-32.1	-26.7	-25.5	-8.0	8.8	13.7	20.0	8.7	2.5
23	-5.3	-17.8	-20.8	-33.4	-19.6	-23.0	-7.8	10.4	7.9	18.9	11.0	0.6
24	-6.9	-11.2	-24.5	-32.8	-32.0	-22.1	-10.9	11.5	7.6	10.0	11.6	1.6
25	-6.6	-19.9	-16.4	-31.3	-29.7	-14.1	-14.6	9.8	10.8	15.0	11.4	4.4
26	-5.8	-24.9	-11.0	-32.3	-32.4	-15.0	-20.9	2.9	8.5	17.7	12.2	5.6
27	-8.2	-19.1	-8.0	-29.5	-35.1	-15.8	-16.8	3.8	12.8	19.9	12.5	3.7
28	-7.0	-19.7	-16.4	-21.9	-34.0	-17.4	-12.5	7.3	17.9	19.7	10.1	2.9
29	-9.2	-23.6	-18.7	-20.9	-31.3	-26.7	-10.4	10.7	19.4	13.9	5.5	2.8
30	-8.3	-22.2	-14.6	-21.8	NA	-28.7	-9.7	3.7	20.7	14.0	8.7	0.3

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.
31	-10.0	NA	-9.5	-17.9	NA	-21.6	NA	2.7	NA	11.6	7.8	NA
Mean	**-0.9**	**-15.7**	**-20.2**	**-29.9**	**-25.6**	**-23.4**	**-10.7**	**1.1**	**8.6**	**15.5**	**12.7**	**6.5**

Notes:
Temperature units are °C.
NA = not applicable

Table 3.10-3 Temperature Ranks and Departures, 2024 AEMP Monitoring Period

Period[1]	Air Temperature (Ranked Warmest to Coldest)			
	ECCC's Mackenzie District Region[2]		Koala Station	
	Rank[3]	Departure (°C) from the 1961–1990 Reference Period	Rank[4]	Departure (°C) from the 1995–2021 Reference Period
Fall 2023	1	4.8	1	3.2
Winter 2023/2024	4	5.2	6	1.6
Spring 2024	6	3.1	1	4.5
Summer 2024	9	1.8	5	1.5
Fall 2024	-	-	-	-

Notes:
Dash (-) = data not available at time of reporting
[1] Winter is December to February, spring is March to May, summer is June to August, fall is September to November.
[2] Data source: ECCC 2024b.
[3] Ranked based on all seasons from 1948 to 2024.
[4] Ranked based on all seasons from 1995 to 2024 with at least 21 days of data in each month for the season.

Table 3.10-4 Total Daily Precipitation Measured at Koala Station, 2024 AEMP Monitoring Period

Day	October		November		December		January		February		March	
	Unadjusted	Adjusted[1]	Unadjusted	Adjusted[1]	Unadjusted	Adjusted[1]	Unadjusted	Adjusted[1]	Unadjusted	Adjusted[1]	Unadjusted	Adjusted[1]
1	3.1	3.1	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
2	1.5	1.5	0.0	0.0	0.0	0.0	0.3	0.3	0.1	0.2	0.2	0.3
3	4.0	4.0	0.0	0.0	0.1	0.1	0.2	0.2	1.0	1.9	0.0	0.0
4	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.9	1.4	0.2	0.2	0.8	0.8	0.0	0.0	0.0	0.0	0.2	0.2
6	0.4	0.6	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
7	0.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.8	0.0	0.0
9	0.7	1.0	0.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.6	0.7	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.2
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3
13	0.0	0.0	0.2	0.2	1.7	1.7	0.0	0.0	0.2	0.2	0.1	0.3
14	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.3	1.8	3.0
18	0.9	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	2.7
19	0.4	0.4	4.2	4.2	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.0
20	1.1	2.2	2.0	2.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0
21	0.0	0.0	0.1	0.1	0.2	0.2	0.0	0.0	0.2	0.4	0.0	0.0
22	0.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Day	October		November		December		January		February		March	
	Unadjusted	Adjusted[1]	Unadjusted	Adjusted[1]	Unadjusted	Adjusted[1]	Unadjusted	Adjusted[1]	Unadjusted	Adjusted[1]	Unadjusted	Adjusted[1]
23	0.9	1.8	0.0	0.0	0.2	0.4	0.1	0.1	0.5	0.8	0.0	0.0
24	0.3	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.6	0.9	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0
26	0.7	1.2	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0
27	0.2	0.3	3.1	3.1	0.3	0.6	0.3	0.5	0.0	0.0	0.0	0.0
28	0.3	0.5	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0
29	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4
30	0.0	0.0	0.2	0.2	0.4	0.6	0.1	0.3	NA	NA	0.0	0.0
31	0.1	0.2	NA	NA	0.0	0.0	0.0	0.0	NA	NA	0.0	0.0
Total	20.9	26.7	12.2	12.4	4.7	5.6	1.5	1.9	3.1	4.8	4.3	7.3

Day	April		May		June		July		August		September	
	Unadjusted	Adjusted[1]	Unadjusted	Adjusted[1]	Unadjusted	Adjusted[1]	Unadjusted	Adjusted[1]	Unadjusted	Adjusted[1]	Unadjusted	Adjusted[1]
1	0.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	11.8	11.8	3.3	3.3
2	0.2	0.2	0.2	0.2	0.0	0.0	0.3	0.3	0.0	0.0	0.5	0.5
3	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.5	4.1	4.1	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	3.5	3.5	0.5	0.5	2.6	2.6
5	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.0	0.0	0.8	0.8
6	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.0
7	0.4	0.6	0.0	0.0	0.0	0.0	1.9	1.9	0.0	0.0	1.0	1.0
8	0.2	0.2	8.0	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	0.0	0.0	3.0	3.0
10	0.0	0.0	0.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
11	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9

Day	April		May		June		July		August		September	
	Unadjusted	Adjusted[1]	Unadjusted	Adjusted[1]	Unadjusted	Adjusted[1]	Unadjusted	Adjusted[1]	Unadjusted	Adjusted[1]	Unadjusted	Adjusted[1]
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
13	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	0.0	0.0
14	1.8	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
15	0.1	0.2	0.2	0.3	1.1	1.1	0.0	0.0	0.9	0.9	3.0	3.0
16	0.2	0.2	0.5	0.7	0.6	0.7	0.0	0.0	0.0	0.0	0.7	0.7
17	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	0.0	0.0	0.0	0.0
18	0.0	0.0	1.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	15.6	15.6
19	0.1	0.2	0.0	0.0	0.5	0.5	0.1	0.1	0.0	0.0	0.3	0.3
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	4.4	0.1	0.1
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
23	0.1	0.2	0.0	0.0	0.1	0.1	0.2	0.2	5.1	5.1	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	5.2	5.4
25	0.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	3.3	3.3
26	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	1.4	1.4	5.5	5.5
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1	14.1	0.5	0.5
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	0.2	0.2
29	0.0	0.0	0.0	0.0	0.1	0.1	0.4	0.4	0.0	0.0	0.2	0.2
30	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.5
31	NA	NA	0.0	0.0	NA	NA	0.0	0.0	0.3	0.3	NA	NA
Total	4.4	6.3	10.7	13.2	2.5	2.5	18.0	18.0	48.8	48.8	50.7	51.5

Notes:

Precipitation units are mm.

NA = not applicable

[1] Adjusted precipitation corrects for wind-induced under-catch. See the AQMP for methods (ERM 2023c).

Table 3.10-5 Monthly Total Precipitation and Mean Snow Depth for Koala and Regional Meteorological Stations, 2024 AEMP Monitoring Period

Month	Total Precipitation (mm)					Mean Snow Depth (cm)			
	Koala Station (Unadjusted)	Koala Station (Adjusted[1])	Kugluktuk Airport	Bathurst Inlet Climate Station	Yellowknife Airport	Koala Station[2]	Kugluktuk Airport	Bathurst Inlet Climate Station	Yellowknife Airport
2023									
October	20.9	26.7	46.0	31.3	10.1	0.6	5.7	3.2	1.1
November	12.2	12.4	32.6	10.5	27.5	3.3	17.9	7.9	10.6
December	4.7	5.6	30.5	24.1	21.5	5.6	21.2	12.5	22.1
2024									
January	1.5	1.9	21.6	3.3	6.7	6.7	31.3	27.1	31.6
February	3.1	4.8	28.3	19.2	22.9	11.2	47.5	37.6	43.8
March	4.3	7.3	22.4	8.7	2.5	13.7	50.3	30.3	41.7
April	4.4	6.3	9.4	3.1	0.6	13.4	27.7	31.2	16.2
May	10.7	13.2	18.0	5.1	14.9	3.0	16.1	9.7	1.0
June	2.5	2.5	4.5	4.9	9.8	2.8	0.0	0.0	1.0
July	18.0	18.0	25.9	39.0	0.0	4.3	0.0	0.0	0.0
August	48.8	48.8	10.2	45.4	6.8	4.4	0.0	0.0	0.0
September	50.7	51.5	4.4	40.8	30.7	4.2	0.0	0.0	0.0
12 Month Total or Mean	181.9	199.0	253.8	235.4	154.0	6.1	18.1	13.3	14.1
Normal	**316[3]**	**316[3]**	**233[4]**	**NA**	**294[4]**	**NA**	**17[4]**	**NA**	**14[4]**

Notes:

NA = not available

[1] Adjusted precipitation corrects for wind-induced undercatch (ERM 2023c).

[2] The Koala Station snow depth values are lower than the snow depth of the broader general area due to windswept snow at the station location.

[3] Data source: BHP and Dia Met 2000.

[4] Represents the 1991 to 2020 climate normal. Data source: ECCC 2024a

3.11 AEMP Dataset Outliers in 2024

The 2024 AEMP data were evaluated for quality using the QA/QC methods for each component as described in the Plan (ERM 2023a, 2024a). It is expected that any large dataset is likely to contain some outliers or questionable records mainly caused by field or laboratory instrument failure, transcription errors, or laboratory errors. Overall, data collected for the 2024 AEMP met the appropriate data quality objectives or were appropriately qualified (see Section 3.3.3).

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EKATI MINE

2024 AEMP Part 1—Annual Report

Appendix B: 2024 Aquatic Response Framework Reporting

April 2025

BURGUNDY
DIAMOND MINES

ERM

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1. Introduction

Results from the annual Aquatic Effects Monitoring Program (AEMP) are screened against Action Levels for water quality, plankton, benthos, and fish variables, as outlined in the Aquatic Response Framework (ARF) described in the approved Ekati Diamond Mine: 2023 to 2025 AEMP Design Plan, Version 8.1 (the Plan; ERM 2023a, 2024a). As described in Part J, Condition 9(a) of Water Licence W2022L2-0001, "if any Action Level defined in the approved ARF is exceeded, the Licensee shall notify the Board within 60 days of when the exceedance is detected."

The 2024 AEMP water quality data were compared to ARF Action Levels following receipt of the final analytical results for the ice-covered and open-water seasons. The Wek'èezhìi Land and Water Board (the Board) was subsequently notified of any identified Action Level exceedances for water quality variables. As described in the Plan (ERM 2023a, 2024a), Action Level exceedances for total phosphorus are reported within the Annual Report, rather than following receipt of the analytical results because of the known potential for natural exceedances of the water quality benchmark and potential challenges interpreting trends in total phosphorus based on graphical analysis alone. Thus, any Action Level exceedances for total phosphorus in 2024 are reported for the first time in the 2024 AEMP Annual Report (see Part 1 and this Appendix). The analysis of biological data has a lengthy turnaround time and the biological Action Levels require comparison to the AEMP Evaluation of Effects results; thus, assessment against Action Levels for biological variables is also provided for the first time in the AEMP Annual Report (see Part 1 and this Appendix).

This Appendix includes:

- A summary of the comparison of both the 2024 AEMP water quality (Section 2.1) and biological (Section 2.2) data to ARF Action Levels;
- A summary of existing Aquatic Response Plans (Sections 3.1 to 3.9);
- A review of ARF variables (Section 4); and
- A summary of changes to ARF components since the last ARF update (Section 5).

This Appendix also includes:

- Comparisons of observed and predicted data for water quality variables with an Aquatic Response Plan, as previously directed by the Board to be included in the AEMP Annual Report (Annex 1).
- Statistical results for total phosphorus concentrations in the King-Cujo Watershed lakes and Lac du Sauvage during the open-water season. These results were used to support the interpretation of an Action Level exceedance for total phosphorus (Annex 2).

2. Action Level Exceedances in 2024

2.1 Water Quality Variables

To exceed the Low Action Level (LAL) for water quality, two conditions (Conditions 1 and 2) are required to be met for ARF near-field sampling sites, as defined in the Plan (ERM 2023a, 2024a). If Condition 1 was met for an ARF near-field sampling site and season (ice-covered or open-water), the assessment of 2024 data against Condition 2 was provided for that sampling site because it is required to determine whether the LAL was exceeded. If Condition 1 was not met (i.e., "None" indicated in Table 2.1-1) for a particular ARF near-field site and season, the assessment of observed 2024 data relative to Condition 2 was not assessed and the LAL was not exceeded (i.e., "-" indicated in Table 2.1-1). Under-ice dissolved oxygen (DO) is the one exception for which only Condition 1 or Condition 2 is required to be met (not both), depending on the condition relevant to the specific waterbody; see the Plan (ERM 2023a, 2024a) for details. In the case of total phosphorus, Condition 1 was met for Cujo Lake during the open-water season and statistical analysis was completed (see Annex 2) to assist in the interpretation of whether there was an increasing trend that would meet Condition 2.

If a LAL was exceeded for an ARF near-field sampling site (Table 2.1-1), the variable was also compared to the approved Medium Action Level (MAL) and High Action Level (HAL; Table 2.1-2). MALs and HALs have been approved for all variables that exceeded water quality Action Levels in 2024, with the exception of total iron. A MAL and HAL were proposed in the Aquatic Response Plan for Total Iron, Version 1.0 (ERM 2025), and are pending approval by the Board.

In 2024, Action Level exceedances were identified for four water quality variables:

1. Under-ice DO
    - Cujo Lake: LAL
2. Total phosphorus
    - Cujo Lake: LAL (open-water season)
3. Total iron
    - Horseshoe Lake: LAL (open-water season)
4. Total potassium
    - Leslie Lake: LAL (ice-covered season)

Aquatic Response Plans for LAL exceedances of under-ice DO in Cujo Lake, total phosphorus in Cujo Lake, and total potassium in Leslie are already in place; no updates to these response plans are necessary. The Aquatic Response Plan for Total Iron, Version 1.0, was submitted to the Board for review in February 2025 (ERM 2025), and was undergoing public review in March 2025.

2.2 Biological Variables

Comparison to Action Level conditions for plankton, benthos, and fish variables are provided in Table 2.2-1.

Table 2.1-1 Comparison of 2024 AEMP Water Quality Data to ARF Low Action Levels, Ice-Covered and Open-Water Seasons

Variable	Koala Watershed		King-Cujo Watershed		Pigeon-Fay and Upper Exeter Watershed		Horseshoe Watershed		PLD Lakes[a]		Low Action Level Exceedance
	Condition 1	Condition 2	Condition 1	Condition 2	Condition 1	Condition 2	Condition 1	Condition 2	Condition 1	Condition 2	
Chloride	None	-	None	-	None	-	None	-	None	-	None
Fluoride	None	-	None	-	None	-	None	-	None	-	None
Nitrate-N	None	-	None	-	None	-	None	-	None	-	None
Nitrite-N	None	-	Cujo (ice-covered season)	None	None	-	None	-	None	-	None
pH	None	-	None	-	None	-	None	-	None	-	None
Sulphate	None	-	None	-	None	-	None	-	None	-	None
Total Ammonia-N	None	-	None	-	None	-	None	-	None	-	None
Total Suspended Solids	None	-	None	-	None	-	None	-	None	-	None
Under-Ice Dissolved Oxygen[b]	None		Cujo		None		None		NA		Cujo
Total Aluminum	None	-	None	-	None	-	None	-	None	-	None
Total Antimony	None	-	None	-	None	-	None	-	None	-	None
Total Arsenic	None	-	None	-	None	-	None	-	None	-	None
Total Barium	None	-	None	-	None	-	None	-	None	-	None
Total Boron	None	-	None	-	None	-	None	-	None	-	None
Total Cadmium	None	-	None	-	None	-	None	-	None	-	None
Total Chromium	None	-	None	-	None	-	None	-	None	-	None
Total Copper	Kodiak, Moose (ice-covered and open-water seasons)	None	Cujo (ice-covered and open-water seasons)	None	Fay Bay (ice-covered season)	None	None	-	Alexia (open-water season)	None	None
Total Iron	Kodiak (ice-covered season)	None	Cujo (ice-covered season)	None	Fay Bay (ice-covered season)	None	Horseshoe (open-water season)	Horseshoe (open-water season)	None	-	Horseshoe (open-water season)
Total Lead	None	-	None	-	None	-	None	-	None	-	None
Total Manganese	None	-	None	-	None	-	None	-	None	-	None
Total Molybdenum	None	-	None	-	None	-	None	-	None	-	None
Total Nickel	None	-	None	-	None	-	None	-	None	-	None
Total Phosphorus	None	-	Cujo (open-water season)	Cujo (open-water season)	None	-	None	-	None	-	Cujo (open-water season)

Variable	Koala Watershed		King-Cujo Watershed		Pigeon-Fay and Upper Exeter Watershed		Horseshoe Watershed		PLD Lakes[a]		Low Action Level Exceedance
	Condition 1	Condition 2	Condition 1	Condition 2	Condition 1	Condition 2	Condition 1	Condition 2	Condition 1	Condition 2	
Total Potassium	Leslie (ice-covered season)	Leslie (ice-covered season)	None	-	None	-	None	-	None	-	Leslie (ice-covered season)
Total Selenium	None	-	None	-	None	-	None	-	None	-	None
Total Strontium	None	-	None	-	None	-	None	-	None	-	None
Total Uranium	None	-	None	-	None	-	None	-	None	-	None
Total Zinc	None	-	None	-	None	-	None	-	None	-	None

Notes:
Dash (-) = comparison of observed data to this condition is not presented because it is not necessary given that Condition 1 was not met
AEMP = Aquatic Effects Monitoring Program; ARF = Aquatic Response Framework; NA = not applicable because monitoring did not include the ice-covered season; PLD = Point Lake Development
"None" indicates that Condition 1 was not met at any ARF near-field sampling site during either the ice-covered or open-water season, or that Condition 2 was not met for the ARF near-field sampling site and season(s) for which Condition 1 was met.
[a] AEMP monitoring was initiated for the PLD Lakes during the 2024 AEMP open-water season.
[b] Dissolved oxygen LAL applies to ice-covered season only. Only Condition 1 or Condition 2 is required to be met (not both), depending on the condition relevant to the specific waterbody (see the Plan for details; ERM 2023a, 2024a).

Table 2.1-2 Comparison of 2024 AEMP Water Quality Data to ARF Medium and High Action Levels, Ice-Covered and Open-Water Seasons

Variable	Koala Watershed		King-Cujo Watershed		Pigeon-Fay and Upper Exeter Watershed		Horseshoe Watershed		PLD Lakes[a]	
	MAL	HAL	MAL	HAL	MAL	HAL	MAL	HAL	MAL	HAL
Under-Ice Dissolved Oxygen	-	-	None	-	-	-	-	-	NA	
Total Iron[b]	-	-	-	-	-	-	None	-	-	-
Total Phosphorus	-	-	None	-	-	-	-	-	-	-
Total Potassium	None	-	-	-	-	-	-	-	-	-

Notes:
Dash (-) = comparison of observed data to this condition is not presented because it is not necessary given that Condition 1 was not met
AEMP = Aquatic Effects Monitoring Program; ARF = Aquatic Response Framework; HAL = High Action Level; MAL = Medium Action Level; NA = not applicable because monitoring did not include the ice-covered season; PLD = Point Lake Development
"None" indicates that Condition 1 was not met at any ARF near-field sampling site during either the ice-covered or open-water season, or that Condition 2 was not met for the ARF near-field sampling site and season(s) for which Condition 1 was met.
[a] AEMP monitoring was initiated for the PLD Lakes during the 2024 AEMP open-water season.
[b] MAL and HAL were proposed in the Aquatic Response Plan for Total Iron, Version 1.0 (ERM 2025), and are pending approval by the Board.

Table 2.2-1 Comparison of 2024 AEMP Biological Data to ARF Low Action Levels

Variable	Variable Group	Koala Watershed		King-Cujo Watershed		Pigeon-Fay and Upper Exeter Watershed[a]		Horseshoe Watershed		PLD Lakes		Low Action Level Exceedance
		Condition 1	Condition 2	Condition 1	Condition 2	Condition 1	Condition 2	Condition 1	Condition 2	Condition 1	Condition 2	
Phytoplankton												
Biomass (as Chlorophyll *a*)	General	None	-	Cujo	Cujo	NA	NA	None	-	None	-	Cujo
Diversity	Community	None	-	None	-	NA	NA	None	-	None	-	None
Community Composition	Community	Leslie	Leslie	None	-	NA	NA	None	-	None	-	Leslie
Zooplankton												
Biomass	General	None	-	None	-	NA	NA	None	-	NA	NA	None
Density	General	None	-	None	-	NA	NA	None	-	NA	NA	None
Diversity	Community	None	-	Cujo	None	NA	NA	None	-	NA	NA	None
Community Composition	Community	Leslie, Moose	Leslie, Moose	Cujo	Cujo	NA	NA	None	-	NA	NA	Leslie, Moose, Cujo
Lake Benthos												
Density	General	None	-	Cujo	None	NA	NA	None	-	NA	NA	-
Dipteran Diversity	Community	None	-	None	-	NA	NA	None	-	NA	NA	None
Dipteran Community Composition	Community	None	-	Cujo	None	NA	NA	None	-	NA	NA	None
Stream Benthos												
Density	General	None	-	None	-	NA	NA	None	-	NA	NA	None
Fish												
CPUE (Small-Bodied Fish)	NA	Kodiak, Leslie, Moose	-	Cujo	-	NA	NA	None	-	NA	NA	Kodiak, Leslie, Moose, Cujo
Parasite Infection	NA	None	None	None	None	NA	NA	None	NA	NA	NA	None
Length	NA	None	None	None	None	NA	NA	None	NA	NA	NA	None
Condition	NA	None	None	None	None	NA	NA	None	NA	NA	NA	None
Growth Rate	NA	None	None	None	None	NA	NA	None	NA	NA	NA	None
Length-at-Maturity	NA	NA	None	NA	None	NA	NA	NA	NA	NA	NA	None
Sex Ratio	NA	NA	None	NA	None	NA	NA	NA	NA	NA	NA	None
Number of Eggs	NA	NA	None	NA	None	NA	NA	NA	NA	NA	NA	None
Gonadosomatic Index	NA	None	None	None	None	NA	NA	None	NA	NA	NA	None
Liver Somatic Index	NA	None	None	None	None	NA	NA	None	NA	NA	NA	None
Diet	NA	None	None	None	None	NA	NA	None	NA	NA	NA	None
DELT	NA	None	None	None	None	NA	NA	None	NA	NA	NA	None

Variable	Variable Group	Koala Watershed		King-Cujo Watershed		Pigeon-Fay and Upper Exeter Watershed[a]		Horseshoe Watershed		PLD Lakes		Low Action Level Exceedance
		Condition 1	Condition 2	Condition 1	Condition 2	Condition 1	Condition 2	Condition 1	Condition 2	Condition 1	Condition 2	
Fish *(cont'd)*												
EROD (Hydrocarbon Exposure)	NA	None	None	None	None	NA	NA	None	NA	NA	NA	None
Arsenic[b]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium[b]	NA	NA	None	NA	NA	NA	NA	NA	NA	NA	NA	None
Chromium[b]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead[b]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	Kodiak, Leslie, Moose	Kodiak, Leslie, Moose	Cujo	Cujo	NA	NA	None	NA	NA	NA	Kodiak, Leslie, Moose, Cujo
Selenium	NA	Leslie, Moose	Leslie, Moose	None	Cujo	NA	NA	None	NA	NA	NA	Leslie, Moose, Cujo
Chlorinated Phenols (Palatability)	NA	None	None	None	None	NA	NA	None	NA	NA	NA	None

Notes:

Dash (-) = comparison of observed data to this condition is not presented because it is not necessary given that Condition 1 was not met

AEMP = Aquatic Effects Monitoring Program; ARF = Aquatic Response Framework; CPUE = catch per unit effort; DELT = deformities, erosions, lesions, tumours; EROD = ethoxyresorufin-O-deethylase; NA = not applicable

For plankton and benthos variables, "None" indicates that Condition 1 was not met at any ARF near-field sampling site or that Condition 2 was not met for the ARF near-field sampling site for which Condition 1 was met. For fish variables, "None" indicates that the condition (i.e., Condition 1 or 2) was not met at any ARF near-field sampling site.

[a] Aquatic biology (i.e., phytoplankton only) for Pigeon-Fay and Upper Exeter Watershed is monitored and evaluated every 3 years; the next scheduled monitoring year is 2026.

[b] Arsenic, cadmium, chromium, and lead concentrations in fish tissue are evaluated only if concentrations have increased in fish tissues since the last AEMP cycle. In the 2024 AEMP, only cadmium concentrations in round whitefish liver tissue were evaluated.

To exceed the LAL for plankton and benthos variables, two conditions (Conditions 1 and 2) are required to be met for ARF near-field sampling sites as defined in the Plan (ERM 2023a, 2024a). If Condition 1 was met for an ARF near-field sampling site, an assessment of the 2024 data against Condition 2 was provided for that sampling site because it is required to determine whether the LAL was exceeded. If Condition 1 was not met (i.e., "None" indicated in Table 2.2-1) for a particular near-field sampling site, the assessment of 2024 data relative to Condition 2 was not presented and the LAL was not exceeded (i.e., "-" indicated in Table 2.2-1).

For fish variables, LAL Condition 1 refers to small-bodied fish variables (i.e., slimy sculpin) and LAL Condition 2 refers to large-bodied fish (i.e., lake trout and round whitefish) variables. To exceed the LAL for fish variables, either of Condition 1 or 2 are required to be met (not both). If a condition was not met, "None" was indicated in Table 2.2-1.

If a LAL was exceeded for an ARF near-field sampling site, the variable was also compared to approved MALs and HALs (Table 2.2-2).

In 2024, Action Level exceedances were identified for three plankton and benthos variables, and three fish variables (Tables 2.2-1 and 2.2-2; text below identifies the highest Action Level that was exceeded):

1. Phytoplankton biomass (as chlorophyll *a*)
    - Cujo Lake: MAL
2. Phytoplankton community composition
    - Leslie Lake: LAL
3. Zooplankton community composition
    - Leslie, Moose, and Cujo lakes: LAL
4. Small-bodied fish catch per unit effort (CPUE)
    - Kodiak, Leslie, Moose, and Cujo lakes: LAL
5. Fish tissue mercury concentration
    - Kodiak, Leslie, Moose, and Cujo lakes: LAL for slimy sculpin whole body concentration and round whitefish liver concentration
    - Kodiak, Leslie, Moose, and Cujo lakes: HAL for mean lake trout muscle concentration
    - Kodiak and Cujo lakes: MAL for mean round whitefish muscle concentration
    - Leslie and Moose lakes: HAL for mean round whitefish muscle concentration
6. Fish tissue selenium concentration
    - Leslie Lake: LAL for slimy sculpin whole body and round whitefish liver concentration
    - Leslie Lake: MAL for mean lake trout muscle and round whitefish muscle concentration
    - Moose Lake: LAL for slimy sculpin whole body, lake trout muscle, and round whitefish muscle and liver concentration
    - Cujo Lake: LAL for round whitefish muscle and liver concentration

The Aquatic Response Plan for plankton and benthos will be updated to address the MAL exceedance for phytoplankton biomass in Cujo Lake in 2024, since a MAL for phytoplankton biomass has not previously been exceeded. The Fish Response Plan will also be updated to address the LAL exceedance for small-bodied fish CPUE and the MAL and HAL exceedances for mercury and selenium tissue concentrations.

Table 2.2-2 Comparison of 2024 AEMP Biological Data to ARF Medium and High Action Levels

Variable	Variable Group	Koala Watershed		King-Cujo Watershed		Pigeon-Fay and Upper Exeter Watershed[a]		Horseshoe Watershed		PLD Lakes	
		MAL	HAL	MAL	HAL	MAL	HAL	MAL	HAL	MAL	HAL
Phytoplankton											
Biomass (as Chlorophyll *a*)	General	-	-	Cujo	None	NA	NA	-	-	-	-
Community Composition	Community	None	-	-	-	NA	NA	-	-	-	-
Zooplankton											
Community Composition	Community	None	-	None	-	NA	NA	-	-	NA	NA
Large-Bodied Fish—Lake Trout											
Mercury	NA	Kodiak, Leslie, Moose	Kodiak, Leslie, Moose	Cujo	Cujo	NA	NA	NA	NA	NA	NA
Selenium	NA	Leslie	None	None	None	NA	NA	NA	NA	NA	NA
Large-Bodied Fish—Round Whitefish											
Mercury	NA	Kodiak, Leslie, Moose	Leslie, Moose	Cujo	None	NA	NA	NA	NA	NA	NA
Selenium	NA	Leslie	None	None	None	NA	NA	NA	NA	NA	NA

Notes:
Dash (-) = comparison of observed data to this condition is not presented because it is not necessary given that Condition 1 was not met
AEMP = Aquatic Effects Monitoring Program; ARF = Aquatic Response Framework; NA = not applicable; PLD = Point Lake Development
"None" indicates that the MAL or HAL was not exceeded for the ARF near-field sampling site where a LAL or MAL was exceeded, respectively.
[a] Aquatic biology (i.e., phytoplankton only) for Pigeon-Fay and Upper Exeter Watershed is monitored and evaluated every 3 years; the next scheduled monitoring year is 2026.

3. Summary of Aquatic Response Plans

A high-level summary of existing Aquatic Response Plans is provided in Table 3-1. Further information on each Aquatic Response Plan is provided in Sections 3.1 to 3.9 and in the individual Aquatic Response Plan documents.

Table 3-1 Summary of Existing Aquatic Response Plans

Variable	Current Version	Status	Next Steps
DO	Version 1.2 (ERM 2017)	Approved with additional direction for the next version	Continue to monitor and evaluate DO in the AEMP; submit updated version, as needed, if a new Action Level is exceeded, which includes directions from Version 1.2.
Chloride	Version 2.1 (ERM 2019a)	Approved	Continue to monitor and evaluate chloride in the AEMP; submit updated version, as needed, if a new Action Level is exceeded.
Nitrogen	Version 3.1 (ERM 2023b)	Approved	Continue to monitor and evaluate nitrate-N, nitrite-N, and ammonia-N in the AEMP; submit updated version, as needed, if a new Action Level is exceeded.
Total Phosphorus	Version 2.1 (ERM 2021)	Approved	Continue to monitor and evaluate total phosphorus in the AEMP; submit updated version, as needed, if a new Action Level is exceeded.
Total Iron	Version 1.0 (ERM 2025)	Version 1.0 submitted to the Board for review and approval	Continue to monitor and evaluate total iron in the AEMP; submit updated version, as needed, if a new Action Level is exceeded. The Federal Water Quality Guideline for total iron will be reviewed during the ARF re-evaluation to be submitted in December 2025.
Total Potassium	Version 3.0 (ERM 2019b)	Approved	Continue to monitor and evaluate potassium in the AEMP; submit updated version, as needed, if a new Action Level is exceeded.
Total Selenium	Version 1.2 (ERM 2018a)	Approved	Continue to monitor and evaluate total selenium in the AEMP; submit updated version, as needed, if a new Action Level is exceeded.
Plankton and Benthos	Version 3.3 (ERM 2024b)	Approved	Continue to monitor and evaluate plankton and benthos in the AEMP; submit updated version, as needed, if a new Action Level is exceeded.
Fish	Version 3.0 (ERM 2022c)	Approved	Continue to monitor and evaluate large-bodied and small-bodied fish in the AEMP; submit updated version, as needed, if a new Action Level is exceeded.

Notes:

AEMP = Aquatic Effects Monitoring Program; ARF = Aquatic Response Framework; Board, the = Wek'èezhìi Land and Water Board; DO = dissolved oxygen

3.1 Dissolved Oxygen

Version 1.0 of the Ekati Diamond Mine: Aquatic Response Plan for Under-ice Dissolved, submitted in April 2016, was required because the LAL defined in the ARF for under-ice DO was exceeded in Cujo Lake in 2015. Version 1.0 proposed that under-ice DO in Cujo Lake continue to be monitored bi-weekly during late winter (February through April) because more frequent collection of under-ice profiles would allow for a better understanding of the duration of hypoxic conditions during the ice-covered season and the potential ecological risk of the observed DO concentrations. As part of this recommendation, it was stated that the mitigation strategy of clearing the snow from the ice surface should be continued until more was known about the cause(s) of the low DO concentration in Cujo Lake. Snow clearing was performed annually from 2008 to 2017. Version 1.0 also proposed that a desktop study be undertaken to investigate whether low DO concentrations in Cujo Lake were occurring naturally or as a result of mine-related activities. The Board provided their decision on Version 1.0 on July 25, 2016, indicating it supported the actions proposed in Version 1.0 and that approval would be considered after receipt of Version 1.1, which was to include definitions for a MAL and HAL as well as any other relevant updates.

Version 1.1 was submitted in December 2016 to address the objectives stated in Version 1.0 and the Board decision, as well as to address additional LAL exceedances in Leslie and Kodiak lakes during the 2016 ice-covered season. The results of the desktop study proposed in Version 1.0 were presented. The study found that lake morphology and ice-cover phenology drivers, combined with increased organic matter in the sediments and persistently elevated organic matter concentrations in the water column, may be contributing to the observed DO conditions in Cujo Lake. Version 1.1 concluded that lake morphology and ice cover phenology likely also resulted in the LAL exceedances in Leslie and Kodiak lakes in 2016. Version 1.1 included the commitment to continue bi-weekly monitoring of under-ice DO in Cujo Lake, and it was recommended that mitigation of low under-ice DO concentrations be continued annually through clearing of snow from the ice surface if the results of the bi-weekly monitoring indicate that whole-lake under-ice DO concentrations were expected or observed to drop below 6.5 mg/L. The Board did not approve Version 1.1 in their decision from July 20, 2017, indicating that there were outstanding concerns with the proposed Action Levels. The Board directed the submission of Version 1.2 include revised Action Levels and proposed mitigations appropriate to address the proposed MAL exceedance observed in 2017.

Version 1.2 was submitted in October 2017. Version 1.2 was updated to address the 2017 Action Level exceedance in Cujo Lake. A plan to monitor the effectiveness of aeration as a mitigation technique for low DO, and revised MAL and HAL definitions were proposed. Version 1.2 was approved by the Board on April 30, 2018. The Board directive indicated that a discussion of the ecological implications of low DO to overwintering benthic invertebrates and clarification of statements pertaining to adaptation of fish to low DO conditions be included in the next submission of the Aquatic Response Plan for under-ice DO. Additionally, the Board approved of the plan to monitor the effectiveness of aeration as a mitigation technique for low DO, and required that the proposed follow up memorandum be submitted by September 30, 2018. The Board also required that the memorandum include a discussion of snow clearing as a mitigation technique. A memorandum summarizing the 2018 and historical mitigation and monitoring results was submitted to the Board, as directed. The memorandum described that the historical results indicated some effectiveness of both snow clearing and surface aeration as mitigation strategies, but that the success could not be quantified using available data. The memorandum provided recommendations for the 2019 mitigation and monitoring program, and included the commitment to submit a follow-up memorandum describing the 2019 results. The Board approved the plans in their decision from January 24, 2019, and indicated that the follow-up memorandum could be submitted in conjunction with the 2019 AEMP. A Cujo Lake Aeration Strategy Follow-up memorandum was submitted in conjunction with the AEMP

Report annually from 2019 to 2022. The results and analysis in the 2022 Cujo Lake Aeration Strategy Follow-up memorandum supported the conclusions of Version 1.2, that morphological characteristics are a main driver of under-ice DO concentrations. Additionally, aeration was considered to be a more effective mitigation technique than snow clearing because it could be implemented as needed to avoid reaching a HAL. The need for further mitigation activities will be determined in response to any future Action Level exceedances and the subsequent versions of the Aquatic Response Plan for under-ice DO.

3.2 Chloride

Version 1.0 of the Ekati Diamond Mine: Response Plan for Chloride, submitted in April 2016, was required because the LAL was exceeded for chloride in Leslie Lake during the ice-covered season of 2015. Version 1.0 proposed continued monitoring and evaluation of chloride under the AEMP, and an update to the Koala Watershed water quality model to address the LAL exceedance, and to provide a more current assessment of risk from future mine-related changes in chloride concentrations. A MAL was also proposed in Version 1.0. The Board provided their decision on Version 1.0 on July 25, 2016, and indicated that approval of the Aquatic Response Plan for chloride would be considered after receipt of a Version 1.1 that included a proposed HAL and any other relevant updates.

Version 1.1 was submitted in December 2016, as directed by the Board. Version 1.1 indicated that the LAL had not been exceeded since the ice-covered season of 2015, and concluded that the potential for toxicological effects from changes in chloride concentrations was negligible because the LAL exceedance was modestly greater (i.e., a difference of 0.17 mg/L) than the 50% benchmark derived from the site-specific water quality objective (SSWQO) for chloride, and the observed chloride concentration in Leslie Lake was lower than acute and chronic toxicological thresholds for aquatic life. In addition, the updated water quality modelling results indicated that adverse effects to aquatic life, wildlife, and humans were not anticipated as a result of predicted future chloride concentrations downstream of the LLCF. Thus, Version 1.1 recommended that chloride continue to be monitored and evaluated in the AEMP, but no additional actions were proposed. Version 1.1 also included proposed MAL and HAL definitions. The Board was notified on June 30, 2017, that chloride concentrations in Leslie Lake exceeded the LAL during the 2017 ice-covered season. The mine operator proposed that because the Version 1.1 was currently under review and that only the LAL had been exceeded, no update to the Aquatic Response Plan for chloride was required. Version 1.1 was approved by the Board on July 20, 2017.

Chloride concentrations in ARF near-field lakes downstream of the LLCF increased between the ice-covered seasons of 2017 and 2018, resulting in a MAL exceedance in Leslie Lake, and a LAL exceedance in Moose Lake in April 2018. Version 1.2 was submitted in August 2018 to address the LAL and MAL exceedances in Leslie and Moose lakes in 2017 and 2018. The Board provided their decision on Version 1.2 on April 2, 2019, and indicated that Version 1.2 should have been submitted as Version 2.0, and directed Version 2.1 be submitted with a discussion of sources of chloride loadings, a loading time-series, and a discussion of potential mitigation options to reduce loadings.

Version 2.1 was submitted in July 2019, and included the requested data and predictions on loading source and quantity as loading concentrations. The main source of chloride loads to the LLCF and the Receiving Water was underground Minewater, and the future chloride loading to the Receiving Water was predicted to be substantially reduced. Version 2.1 recommended that ongoing monitoring programs (e.g., AEMP), water quality modelling, and water management were suitable to address the MAL exceedance. Chloride concentrations subsequently decreased in Leslie and Moose lakes in 2019, and only a LAL exceedance occurred in Leslie Lake during the

ice-covered season in 2019. Version 2.1 was approved by the Board on October 21, 2019. A LAL exceedance occurred in Leslie Lake during the ice-covered season in 2020 and 2023, and in Leslie and Moose lakes during the ice-covered season in 2021 and 2022. Chloride concentrations remain less than the MAL and no further updates to the Aquatic Response Plan for chloride have since been required.

The Board has previously directed the comparison of annual water quality results to predicted water quality trends for all water quality variables that have exceeded an Action Level as part of its AEMP Annual Report. This comparison to water quality predictions (based on the results of the 2022 Koala Watershed Water Quality Model update; ERM 2022a) for chloride is presented in Annex 1.

3.3 Nitrogen

The Nitrogen Response Plan was initially developed in December 2013 (Version 1.0 followed by Version 1.1 in July 2014) and is an ongoing requirement of the Water Licence (W2022L2-0001). An update was presented in the 2014 AEMP report. In their decision on the 2014 AEMP, the Board concluded that all previous directives on the Aquatic Response Plan for nitrogen were satisfied, but required continued reporting on the effectiveness of actions in the AEMP annual reports. The annual AEMP reports include the effectiveness of actions through the Evaluation of Effects for total ammonia-N, nitrite-N, and nitrate-N.

Version 2.0, the Ekati Diamond Mine: Aquatic Response Plan for Nitrogen was submitted in August 2016, was the first version submitted under the ARF. Version 2.0 was updated to address a LAL exceedance for nitrate-N in Cujo Lake during the 2016 ice-covered season; that report was not posted by the Board for stakeholder review. Version 2.1 was subsequently submitted in October 2016 to address a LAL exceedance for nitrite, N in Cujo Lake in August 2016. Version 2.1 indicated that the increase in nitrate-N and nitrite-N concentrations observed in Cujo Lake were the result of the Discharge of water containing elevated concentrations of nitrate-N and nitrite-N from the KPSF into Cujo Lake during the open-water season of 2016. The nitrate-N and nitrite-N concentrations present in KPSF Discharge water were elevated, as a result of the pumping of water from the Misery Pit and Desperation Sump into the KPSF in 2015. Neither eutrophication nor toxicological effects to aquatic life or wildlife were anticipated as a result of the increased concentrations of nitrate-N and nitrite-N present in Cujo Lake during 2016. The observed under-ice nitrate concentration was greater than the Health Canada drinking water guideline for humans; however, during the following open-water season, the nitrate concentration was below the guideline. Toxicological effects to humans were not anticipated. Actions proposed in Version 2.1 included the continued monitoring and evaluation of nitrate-N and nitrite-N as part of the annual AEMP, the continuation of existing nitrogen management practices, and an examination of the water quality benchmark for nitrite-N. MAL and HAL for nitrate-N were also proposed, but setting Action Levels for nitrite-N was deferred to Version 2.2, as a result of the recommended nitrite-N benchmark review. Version 2.2 was proposed to be submitted on June 30, 2017. The Board provided a decision on Version 2.1 on January 17, 2017, and supported the proposed MAL and HAL definitions for nitrate-N and the actions proposed to investigate the LAL exceedance for nitrite-N. The Board required a proposed MAL and HAL for nitrite-N in Version 2.2 and all relevant information from previous versions in the update. The Board also directed the comparison of annual water quality results to predicted water quality trends for all water quality variables that have exceeded an Action Level as part of its AEMP Annual Report. This comparison to water quality predictions (based on the results of the 2022 Koala Watershed Water Quality Model update; ERM 2022a) is presented in Annex 1.

Version 2.2 was submitted to the Board in June 2017. Version 2.2 presented a review of the benchmark for nitrite-N, but no change to the benchmark was recommended. Ongoing response actions were updated to address Board concerns, and MAL and HAL for nitrite-N were proposed. Version 2.2 was approved by the Board on January 25, 2018.

Version 3.0 was submitted in September 2022. Version 3.0 addressed a LAL exceedance for nitrate-N, and a HAL exceedance for nitrite-N in Horseshoe Lake during the ice-covered season in 2022 that was attributed to Discharge from the TRSP in October 2021. The duration of the exceedances was limited to that under ice season, as nitrate-N and nitrite-N concentrations measured in June 2022 and August 2022 did not exceed the LAL. The potential for adverse effects was considered negligible because of the relatively short-duration of exceedance (single under ice season) and no mine-related effects on biological communities in Horseshoe Lake were detected as part of the 2022 AEMP. The Board approved Version 3.0 and required Version 3.1 be submitted to confirm conformity with minor revisions, including provision of the nitrate-N concentration, calculated hardness-dependent nitrate-N benchmark, and hardness value in a table for future versions of the Aquatic Response Plan for nitrogen. Version 3.1 was submitted to the Board in March 2023 and was approved on July 6, 2023. Version 3.1 included a commitment to report on the results of additional monitoring for nitrogen; these results were provided in Annex 2 to Appendix B of the 2023 AEMP Annual Report (ERM 2024c).

3.4 Total Phosphorus

The Ekati Diamond Mine Aquatic Response Plan for Total Phosphate, Version 1.0, was submitted in April 2016 to address a LAL exceedance for under-ice total phosphorus concentration in Moose Lake in 2015. Version 1.0 indicated that the potential for ecological effects from changes in total phosphorus concentrations was minimal because the LAL exceedance occurred during under-ice conditions, when stimulation of primary producer growth is unlikely and because phosphorus is not considered toxic to aquatic life. Continued monitoring and evaluation of total phosphorus in the annual AEMP, an update to the Koala Watershed water quality prediction model, and an Aquatic Ecology Synthesis (AES) study, which would look at the potential role of phosphorus in structuring the plankton community composition at the Ekati Diamond Mine, were proposed to address the LAL exceedances. In addition, a MAL was proposed. The Board provided a decision in July 2016, and did not approve Version 1.0, directing that Version 1.1 include both MAL and HAL definitions as well as any other relevant updates.

Version 1.1 was submitted in December 2016. The LAL for total phosphorus was not exceeded during the open-water season of 2015, or the ice-covered or open-water seasons of 2016. In addition, the results of the updated water quality modelling work and the AES study suggested that the potential for future ecological effects from total phosphorus concentrations in the Receiving Water downstream of the LLCF was low. Therefore, Version 1.1 recommended that total phosphorus continue to be monitored and evaluated as part of the AEMP, but no additional actions were proposed. Version 1.1 also included proposed MAL and HAL. The Board provided their decision on July 20, 2017, and did not approve Version 1.1 due to outstanding concerns associated with the proposed Action Levels. The Board required that Version 1.2 be submitted with revised Action Levels, taking into consideration seasonal trends, and a discussion of management actions that would be considered or implemented in response to a MAL exceedance.

Version 1.2, Ekati Diamond Mine: Response Plan for Total Phosphorus, was submitted to the Board in October 2017. Version 1.2 was updated to address a LAL exceedance in Leslie Lake during the 2017 ice-covered season and to address the Board directives on Version 1.1. It was unclear whether the LAL exceedance observed in Leslie Lake in 2017 was due to mine-related effects or natural variability, and the potential for ecological effects was concluded to be minimal. The ongoing response actions were updated and potential actions that may be appropriate in the event of a MAL exceedance were identified, as required by the Board. Revised MAL and HAL, with rationale considering seasonal trends, were proposed. The Board provided their decision on Version 1.2 on April 30, 2018, and did not approve Version 1.2. The Board directed Version 1.3 be provided with directives addressed. However, the Board approved the MAL proposed in Version 1.2.

Version 1.3 was submitted in August 2018. In this version, an analysis of the probability of exceeding 50% and 100% benchmark thresholds, and details on the additional monitoring proposed to confirm MAL and HAL exceedances were included. In addition, this version included clarification on the rationale for the MAL. The Board approved Version 1.3 in April 2019, and directed that the next version include a discussion of the probability of the open-water season average (i.e., in addition to the August average) naturally exceeding the HAL.

Version 2.0 was required after a MAL exceedance in Cujo Lake was confirmed through additional (i.e., monthly) monitoring conducted during the 2019 open-water season. An extension on submission of Version 2.0 until November 2020 was requested and granted. The extension was requested to allow time for additional monitoring in Cujo Lake during the 2020 open-water season, and analysis of the complex relationship between total phosphorus and other environmental variables. In addition, there was no Discharge from the KPSF in 2019 or 2020, thereby eliminating the primary mine-related source of total phosphorus to the Receiving Water. Version 2.0 was submitted in November 2020 and was approved in July 2021 with directives. The decision on Version 2.0 included a directive to provide the results of additional monitoring and success of total phosphorus mitigation measures, any next steps and/or recommendations for revising the Aquatic Response Plan for total phosphorus, if necessary, and a discussion on the biological response to mitigations; this information was provided in the 2021 AEMP Annual Report (ERM 2022b).

Version 2.1 was submitted in October 2021 to address directives concerning potential alternative benchmarks, the appropriateness of the HAL, clarification of additional monitoring, and clarification of the conditions and considerations informing the decision to Discharge from the KPSF (i.e., with regard to total phosphorus). Version 2.1 was approved by the Board in April 2022. The MAL for total phosphorus continued to be exceeded in Cujo Lake in 2020, but not since. The LAL was exceeded in Cujo Lake during the open-water season in 2024.

Annual water quality results compared to water quality predictions (based on the results of the 2022 Koala Watershed Water Quality Model update; ERM 2022a) for total phosphorus is presented in Annex 1. Total phosphorus observations as a percentage of benchmark cannot be meaningfully presented because of the method by which the benchmarks are calculated for this variable (see ERM 2023a).

3.5 Iron

The Ekati Diamond Mine Aquatic Response Plan for Total Iron, Version 1.0, was submitted in February 2025 to address a LAL exceedance for open-water total iron concentration in Horseshoe Lake in 2024. Version 1.0 indicated that there were no expected risks to humans, wildlife, or aquatic life from the iron concentrations in Horseshoe Lake based on comparisons to environmental quality guidelines and the definition for significant thresholds in the ARF. Continued monitoring of total iron in the annual AEMP and an update to the Response

Plan if a MAL is exceeded were proposed to address the LAL exceedance. In addition, total iron was added to the AEMP Evaluation of Effects in 2024, and the Federal Water Quality Guideline for total iron was proposed to be reviewed during the Aquatic Response Framework Re-evaluation to be submitted in December 2025. Version 1.0 was undergoing public review during the writing of this appendix.

The Board has previously directed the comparison of annual water quality results to predicted water quality trends for all water quality variables that have exceeded an Action Level as part of its AEMP Annual Report. This comparison to water quality predictions (based on the results of the 2022 Koala Watershed Water Quality Model update; ERM 2022a) for total iron is presented in Annex 1.

3.6 Potassium

The initial development of the Ekati Diamond Mine: Aquatic Response Plan for Potassium was a requirement specified in the Board decision on the 2013 AEMP Report. The ARF was still under review by the Board at that time; therefore, there was no formal system in place to require the development of an Aquatic Response Plan. Version 1.0 was submitted to the Board in March 2015. Version 1.0 identified two response actions required to develop improved understanding of the risks associated with potassium in the Receiving Water downstream of the LLCF: 1) an updated water quality prediction; and 2) a review of the potassium SSWQO. Version 1.0 indicated that the results of these two actions would be available by July 31, 2015, and that Version 1.1 would be submitted November 30, 2015, provided the ARF was approved at least 2 months prior. The Board reviewed Version 1.0 and provided a decision and directives in June 2015. The Board supported the proposed actions, but did not approve Version 1.0 because it not in compliance with Water Licence criteria due to missing components; some of the Water Licence criteria for an Aquatic Response Plan could not be met because the ARF had not yet been approved. A revised potassium SSWQO report and a memorandum presenting updated water quality predictions for potassium were provided to the Board in July 2015. During the public review, it was identified that the potassium SSWQO calculation should be revised from 70 mg/L to 64 mg/L (due to a rounding error), and the Board accepted the proposed SSWQO of 64 mg/L. The Board also required modelled potassium predictions to be re-assessed because peak under-ice concentrations were under predicted by the model. A revised SSWQO for potassium and updated water quality predictions were required to be submitted as appendices to Version 1.1 by June 30, 2016.

Version 1.1, including the revised SSWQO and updated water quality predictions, was submitted in July 2016 following a request for an extended deadline. Version 1.2 was submitted in October 2016 to address LAL exceedances in Leslie and Moose lakes during the 2016 open-water season. Version 1.1 was not posted by the Board for stakeholder comment before Version 1.2 was submitted; therefore, only Version 1.2 was made available for stakeholder review. Both versions 1.1 and 1.2 included proposed MAL and HAL definitions, and recommended two additional actions to address the LAL exceedances: 1) continued monitoring and evaluation of potassium under the AEMP; and 2) the comparison of observed 2016 and winter 2017 potassium concentrations to predictions in the refined Koala Watershed water quality model to evaluate how predictions compare to actual observations. Version 1.2 concluded that both the observed and model-predicted future potassium concentrations in lakes downstream of the LLCF were less than the SSWQO of 64 mg/L, and did not present an ecological risk to aquatic organisms or a concern for drinking water for humans or wildlife. The Board did not approve Version 1.2 on January 17, 2017, but in their decision indicated support for the actions proposed to investigate the LAL exceedances and the proposed MAL and HAL definitions. Instead, the Board required Version 1.3 to be submitted and include mitigation options for potassium, if measured under-ice concentrations in

2016 and 2017 exceeded the predicted range of concentrations downstream of the LLCF. The Board also directed the mine operator to compare annual water quality results to predicted water quality trends for all water quality variables that have exceeded an Action Level as part of its AEMP Annual Report. Annex 1 provides the results for water quality variables that have exceeded an Action Level, including a comparison to percentage of benchmarks.

In May 2017, the Board was notified of a MAL exceedance in Leslie Lake during the ice-covered season in 2017. An extension from the June 2017 deadline for Version 1.3 was requested and approved for August 2017 to provide sufficient time to address both the directives and the newly identified MAL exceedance.

Version 1.3 was submitted in August 2017. Version 1.3 identified that observed potassium concentrations in lakes downstream of the LLCF (Leslie, Moose, Nema, and Slipper lakes) were greater than predicted by the model during the open-water season of 2016 and ice-covered season of 2017 (with the exception of 2017 under-ice concentrations in Moose Lake). Thus, Version 1.3 summarized actions that had already been initiated to address the observed potassium concentrations (e.g., optimization of LLCF Discharge and an investigation of cause), and identified potential mitigation options and contingency measures that could be investigated further once a more in depth understanding of the source(s) and mechanism(s) of change were obtained. Version 1.3 also indicated that a progress report with the results of the investigation of cause, the effectiveness of actions implemented in 2017, and an evaluation of the potential mitigation and contingency options identified would be provided by April 30, 2018. A modification of the HAL was also proposed to conform to Board direction on HALs in other water quality Aquatic Response Plans. The Board approved Version 1.3 with additional direction in January 2018. The Board required that a Version 1.4 include a revised HAL at 90% of the benchmark and be submitted for a conformity check. Version 1.4 was approved by the Board in June 2018 with directives to be completed in Version 2.0. To fulfil a commitment made in Version 1.3, a report was provided detailing the progress made with respect to the management and mitigation of potassium in water downstream of the LLCF in April 2018 (ERM 2018b).

During the 2018 ice-covered season, a HAL exceedance was identified in Leslie Lake and a MAL in Moose Lake in addition to a LAL exceedance in Cujo Lake for the first time. Therefore, the Ekati Diamond Mine Response Plan for Potassium, Version 2.0, was submitted in October 2018 in accordance with the Board's decision on Version 1.4 and to address the observed 2018 under-ice Action Level exceedances. Mitigation for the HAL exceedance observed in April 2018 had already been initiated through the delay of the LLCF Discharge during the 2018 open-water season, which resulted in only the LAL being exceeded in Leslie Lake during the 2018 open-water season. Proposed response actions included the potassium toxicity testing (as defined through the Water Licence amendment process) and more frequent under-ice water quality monitoring throughout the 2018/2019 winter period in Leslie and Moose lakes. Version 2.0 also included the following Board directives:

- An update to discussion of management/mitigation options available;
- An update to potential actions that could be taken in response to MAL and HAL exceedances;
- A description of an investigation to explore the effect of sodium on potassium toxicity;
- A discussion of how the potassium toxicity study (W2022L2-0001, Part H, Condition 36, and the sodium-potassium toxicity investigation will be incorporated into response planning; and
- The commitment to update water quality modelling with the upcoming Water Licence renewal.

The Board provided directives and a decision on Version 2.0 on February 11, 2019. The Board approved Version 2.0 and required that Version 2.1 be submitted with directed revisions. Revisions included the addition of a fourth test species in the investigation to explore the effect of sodium on potassium toxicity; Version 2.1 was submitted in March 2019. The Board approved Version 2.1 in October 2019 and provided additional direction regarding monitoring and loading data to be included in subsequent versions.

Under-ice total potassium concentrations decreased considerably from 60.6 mg/L in 2018 to 49.2 mg/L in 2019, and only the MAL was exceeded in Leslie Lake. Successful mitigation for the HAL exceedance observed in April 2018 was implemented through the delay of the LLCF Discharge during the 2018 open-water season. Version 3.0 was submitted in August 2019 and described the appropriate response to the current potassium concentrations, including actions specific to MAL and HAL exceedances, and clarification that the potassium toxicity study and sodium-potassium investigation was an appropriate response to a HAL exceedance. The Board approved Version 3.0 on December 19, 2019, and no further updates have since been required.

3.7 Selenium

Version 1.0 of the Ekati Diamond Mine: Aquatic Response Plan for Selenium was submitted in August 2015 to address a LAL exceedance for under-ice selenium concentration in Cujo Lake in 2016. The increase in selenium concentrations observed in Cujo Lake was the result of the Discharge of water containing elevated concentrations of selenium from the KPSF into Cujo Lake during the open-water season of 2016. The selenium concentrations present in KPSF Discharge water were elevated as a result of pumping of water from Misery Pit and Desperation Sump into the KPSF in 2015. Toxicological effects to aquatic life, wildlife, or humans were not anticipated as a result of the increased concentrations of selenium observed in Cujo Lake during the winter of 2016. Version 1.0 proposed continued monitoring and evaluation of selenium as part of the AEMP and a literature review on selenium toxicity, as previously proposed in the Aquatic Response Plan for Fish (see Section 3.9), to address the LAL exceedance. An interim MAL was proposed until the literature review on selenium toxicology could be completed. It was recommended that a HAL be established based on the results of the literature review. In January 2017, the Board provided their decision on Version 1.0 and did not approve it. However, they supported the proposed studies to address the LAL exceedances and agreed to the proposed submission timeframe for Version 1.1. The Board did not approve the use of the interim MAL proposed for selenium and required Version 1.1 to define both MAL and HAL. Additionally, the Board required the inclusion of a “source control” action, and directed that annual water quality results be compared to predicted water quality trends for all water quality variables exceeding an Action Level as part of the AEMP Annual Report. This comparison to water quality predictions (based on the results of the 2022 Koala Watershed Water Quality Model update; ERM 2022a) is presented in Annex 1.

Version 1.1 was submitted to the Board in June 2017. The US EPA water quality criterion for selenium for lentic environments was proposed as the new selenium benchmark and revised Action Levels were proposed. Version 1.1 also identified a number of ongoing selenium control and management measures that were not identified in Version 1.0. The Board approved Version 1.1 with additional direction in January 2018. The Board required Version 1.2 be submitted for a conformity check, and indicated it should include a commitment to complete a literature review of selenium joint action toxicity if a MAL is exceeded. Version 1.2 was submitted in April 2018 and approved by the Board in August 2018. No further updates have since been required.

3.8 Plankton and Benthos

Version 1.0 of the Ekati Diamond Mine: Aquatic Response Plan for Plankton and Benthos Community Composition was submitted in April 2016 to address LAL exceedances for phytoplankton, zooplankton, and benthos community composition in the Koala Watershed and for benthos in the King-Cujo Watershed. Version 1.0 indicated that the strongest evidence suggested that the changes were related to increasing concentrations of some water quality variables, including macronutrients, but that trophic interactions may also factor into the changes. Version 1.0 proposed two desktop studies to investigate the changes: 1) the AES study to improve understanding of the changes in plankton communities and the drivers of those changes; and 2) a canonical correlation analysis that would investigate the relationship between benthos communities and sediment quality. Version 1.0 also proposed the Aquatic Response Plans for nitrogen and total phosphorus as actions to address the LAL exceedance, given that the strongest evidence pointed to macronutrients as a likely source of the change. A MAL was also proposed in Version 1.0. The Board provided their decision in July 2016 and did not approve Version 1.0. The Board required that Version 1.1 include both MAL and HAL definitions, as well as any other relevant updates, and be submitted by December 2016. A request for extension on Version 1.1 was approved by the Board for 3 weeks after decision on the 2015 AEMP Re-evaluation, so that Version 1.1 and the proposed Action Levels could align with the revised AEMP. The decision on the 2015 AEMP Re-evaluation was received on February 27, 2017.

Version 1.1 was submitted in March 2017. Version 1.1 indicated that the LAL exceedances identified in 2015 for phytoplankton in Leslie, Moose, and Kodiak lakes, and zooplankton in Leslie and Moose lakes were also present in 2016, but that the changes in benthos communities were unlikely related to the mine, and therefore were no longer considered to have exceeded the LAL. Version 1.1 indicated that the results of the 2015 and 2016 AEMPs and the AES study completed in 2016 suggest that there may be a stabilization of the changes observed in the plankton communities downstream of the LLCF. Therefore, it was recommended that plankton and benthos communities continue to be monitored and evaluated in the annual AEMP. Both MAL and HAL definitions were proposed. Version 1.1 was approved by the Board in July 2017.

Version 2.0, Ekati Diamond Mine: Response Plan for Plankton and Benthos, was written in fulfilment of the Board's decision from August 2021 regarding the 2020 AEMP Report. The title of the Aquatic Response Plan was updated to broaden the scope, incorporating discussion of Action Level exceedances for biomass and density variables. Version 2.0 addressed the LAL exceedances of phytoplankton biomass in Cujo Lake and Fay Bay, phytoplankton density in Cujo Lake, and zooplankton community composition in Cujo Lake that were reported in the 2020 AEMP Report. The LAL exceedance for phytoplankton biomass in Fay Bay was considered to be due to natural variability, and not a mine-related effect. Phytoplankton biomass and density increases in Cujo Lake were considered to be due to elevated concentrations of macronutrients (phosphorus and/or nitrogen). Version 2.0 included a proposed MAL and HAL for phytoplankton biomass and phytoplankton density. Potential actions appropriate to the MAL and HAL for phytoplankton biomass were included. The Board approved Version 2.0 along with the proposed MAL and HAL for phytoplankton biomass, and directed that Version 3.0 be submitted with revisions and reflect new LAL exceedances for phytoplankton biomass. The decision on Version 2.0 also required the mine operator to "report on the effectiveness of its plankton and benthos mitigations measures in the 2022 Annual AEMP Report, and propose if additional measures or technical studies are needed, with rationale." This information was included in the 2022 AEMP Annual Report (ERM 2023c).

Version 3.0 was submitted in July 2022 to address Board directed revisions and the LAL exceedances for phytoplankton biomass observed for the first time in Kodiak and Leslie lakes during the 2021 AEMP open-water season. The LAL exceedances for phytoplankton biomass in Kodiak and Leslie lakes were considered to be due to natural variability and no further action was required. In their decision from October 2022, the Board did not approve Version 3.0 and directed Version 3.1 be submitted with revisions. Version 3.1 was submitted in December 2022 to address the Board directed revisions. In their decision from November 2023, the Board did not approve Version 3.1 and directed that Version 3.2 be submitted with revisions within 90 days. Version 3.2 was written to address the Board directive to revise the wording of MAL and HAL conditions, provide additional clarity to the recovery times after nutrient enrichment, and to address the role of total phytoplankton density in the ARF. Version 3.2 was submitted to the Board for review and approval in January 2024. The Board approved Version 3.2 in September 2024, and directed that Version 3.3 be submitted with revisions to the MAL and HAL for phytoplankton biomass and address two administrative errors in Table 2.2-2. Version 3.3 was submitted to the Board in October 2024 and the Board confirmed that Version 3.3 was approved on October 8, 2024.

Version 4.0 is due to be submitted to the Board by July 29, 2025, to address the MAL exceedance for phytoplankton biomass (as chlorophyll *a*) in Cujo Lake in 2024.

3.9 Fish

Version 1.0 of the Ekati Diamond Mine: Aquatic Response Plan for Fish was submitted in April 2016 to address LAL exceedances for four tissue metals (i.e., antimony, molybdenum, selenium, and uranium) and ethoxyresorufin-O-deethylase (EROD) activity, an indicator of exposure to polycyclic aromatic hydrocarbons, in lake trout and/or round whitefish in the 2012 AEMP. Version 1.0 proposed two actions to address these exceedances: 1) review of, and reporting on, the relevant fish toxicology literature (including consumption guidelines) for antimony, molybdenum, selenium, uranium, and EROD activity; and 2) investigating individual juvenile fish growth rates from otoliths. Version 1.0 did not include proposed MAL or HAL because information from the proposed actions was expected to support the development of appropriate Action Levels. The Board did not approve Version 1.0 in July 2016, but supported the proposed studies to address the LAL exceedances and agreed to the proposed submission date of April 30, 2017, for Version 1.1. The Board also required that both MAL and HAL be included in Version 1.1. A late notification was submitted in April 2017 indicating that Version 1.1 would be submitted in May 2017 because more time was needed to develop a robust plan.

Version 1.1 was submitted in May 2017. Version 1.1 was extensively updated from Version 1.0. It incorporated the results of the literature review and the AES juvenile fish growth study proposed as actions in Version 1.0. This new information was used to develop proposed revised LALs for fish variables as well as MAL and HAL definitions for selenium in fish tissues. Version 1.1 also incorporated the investigation of the relationship between DO and parasitism in fish that was directed by the Board in the decision on the 2015 AEMP. The Board provided their decision on Version 1.1 in January 2018, and it was not approved due to outstanding concerns over the proposed Action Levels. The Board directed that Version 1.2 was required in June 2018.

Version 1.2, Ekati Diamond Mine: Response Plan for Fish, was submitted in June 2018. This version included a detailed description of the interconnectivity of the Action Levels and Aquatic Response Plans for abiotic and biotic variables, and the multiple layers of environmental protection provided by this approach. The revised LAL from

Version 1.1 was removed and the approved LAL, as stated in ARF Version 3.0, was included with a proposed framework for responding to LALs triggered by fish variables. The MAL and HAL for selenium in fish tissues were revisited, as directed by the Board. The Board provided their decision on Version 1.2 in April 2019. Version 1.2 was not approved due to outstanding concerns over the proposed response actions to a LAL exceedance, and the proposed MAL and HAL for selenium in fish tissues. The Board also established the MAL and HAL to be implemented for selenium in fish tissues. The Board directed a revised Aquatic Response Plan for fish be submitted no later than July 2019. An extension to October 2019 was requested to address the Board's direction, account for new Action Levels established by the Board, and to incorporate MAL exceedances based on the 2018 AEMP results. The Board first approved this request in June 2019 and re-stated this approval in August 2019.

A revised Version 2.0 was submitted in October 2019, reflecting the Action Level exceedances that had occurred since submission of Version 1.2. Version 2.0 included rationale for the conclusion of no LAL exceedance for antimony, molybdenum, and EROD activity, and updates related to the 2018 exceedances for selenium, mercury, and uranium. MALs and HALs for selenium in fish tissues were included, as established by the Board in its decision on Version 1.2, but were revisited as part of the re-evaluation of the ARF in the 2019 AEMP Re-evaluation. MALs and HALs for mercury in fish tissues were proposed in Version 2.0. In the re-evaluation of the ARF as part of the 2019 AEMP Re-evaluation, the mine operator indicated that uranium in fish tissues was not required as an ARF variable, and MALs and HALs for uranium in fish tissues were not proposed. Version 2.0 was approved in March 2021, and Version 3.0 was required within 1 year of the decision to include information on the findings of the Koala Water Quality Model and advancement of the methodology of the site-specific screening values. An extension to May 2022 was granted by the Board for the incorporation of the new Action Level exceedances for slimy sculpin that were observed in 2021.

Version 3.0 was submitted in May 2022 and approved by the Board in August 2022. Version 3.0 addressed LAL exceedances for selenium in slimy sculpin in Leslie and Moose lakes in 2021, provided an updated assessment on how the operational water management strategy affects selenium concentrations in surface water downstream of the LLCF, and proposed site-specific screening values for large-bodied fish for mercury and selenium to be applied to future AEMP fish tissue data through comparison to ARF Action Levels. The decision on Version 3.0 required the mine operator to "include an assessment of the Operational Water Management Strategy (OWMS) with respect to the Koala Watershed Model update in the 2022 AEMP Annual Report, including consideration of climate conditions and factors that may contribute to unsafe water levels which could affect the OWMS" and "to provide an evaluation of the High AL exceedance for Kodiak Lake in 2018 in the 2022 AEMP Annual Report." This information was provided in the 2022 AEMP Annual Report (ERM 2023c). A follow-up study conducted in 2023 in Kodiak Lake identified possible causes of higher mercury concentrations in large-bodied fish tissues as heightened watershed influence, nutrient concentrations, and primary productivity in Kodiak Lake (ERM 2024d).

Version 4.0 is due to be submitted to the Board by July 29, 2025, to address the LAL exceedance for small-bodied fish CPUE, MAL and HAL exceedances for mercury concentrations in large-bodied fish tissue, and the MAL exceedances for selenium in large-bodied fish tissues identified in this Appendix.

4. Review of Aquatic Response Framework Variables

The ARF includes the commitment to assess water quality and stream benthos variables for inclusion within the ARF annually in the AEMP report (see Sections 5.2.1 and 5.3.1, and 5.4.1 of the Plan; ERM 2023a, 2024a). Fish variables are assessed for inclusion in the ARF in fish monitoring years (see Section 5.4.1 of the Plan; ERM 2023a, 2024a); both small-bodied and large-bodied fish were monitored in 2024.

The ARF states that water quality variables can be added to the ARF variables list on an annual basis for one of three reasons:

- It has been added as an Effluent Quality Criterion (EQC) for Discharge to Leslie Lake, Cujo Lake, or Horseshoe Lake;
- A new mine-related effect or increasing trend has been identified; or
- The water quality model predicts that the maximum concentration of a variable (or maximum percentage of benchmark for a variable) will occur in the future for a variable for which this was not previously predicted.

A water quality variable that meets any of the above reasons for inclusion may not be added as an ARF variable if there is a reason for exclusion, as defined in the ARF. Reasons for exclusion include: the variable is a numerical indicator of water quality and not a constituent of water, the variable is adequately and appropriately represented by another variable, or the variable's concentration measured in Effluent is less than the analytical detection limit.

EQCs for new variables have not been added to Water Licence W2022L2-0001. In addition, no new mine-related effects or increasing trends were identified in the 2024 AEMP for water quality variables that are not already on the ARF variables list (see temporal trends for all analyzed water quality variables in Appendix C). No changes to the water quality model have occurred since the last time the ARF variable list was assessed. Thus, no changes to the ARF water quality variable list are required.

Plankton and benthos variables that are to be assessed for inclusion in the ARF are being evaluated in the AEMP, with the exception of stream benthos diversity and community composition. The ARF states that stream benthos diversity and community composition variables can be added to the ARF variables list on an annual basis if a mine-related effect is identified in one of these variables. No mine-related effects for stream benthos diversity and community composition variables were identified in the 2024 AEMP Annual Report; thus, these variables are not required to be added to the ARF variables list.

A mine-related effect was concluded in the 2024 AEMP for small-bodied fish catch per unit effort (CPUE). As per the Plan (ERM 2023a, 2024a), CPUE is excluded from the list of fish variables assessed in the ARF because predicted and historical effects for large-bodied fish were thought to be related to sampling mortality, as opposed to effects directly related to mine operations. However, the inclusion of small-bodied fish CPUE as a ARF variable is not directly addressed in the Plan. Small-bodied fish CPUE has been added to the ARF because a mine-related effect was concluded in the 2024 AEMP. The addition of CPUE will be reflected in the ARF through the ARF Re-evaluation, which will be completed in 2025.

For fish tissue metals, inclusion in the ARF is based on if a metal is an evaluated fish tissue metal in the AEMP. In 2024, mercury and selenium were evaluated in the AEMP and are included in the ARF. Arsenic, chromium, and lead concentrations in fish tissues did not increase in monitored lakes based on the 2024 data, and therefore these metals were not evaluated. Cadmium tissue concentrations did not increase, except in round whitefish liver in the Koala Watershed. No mine-related effects were concluded for cadmium tissue concentrations in round whitefish liver in the Koala Watershed monitored lakes. Therefore, no additional tissue metals need to be added to the ARF.

5. Summary of Changes to Aquatic Response Framework Components

The ARF indicated that new components or variables would be tracked in this document on an annual basis to avoid continuously updating the ARF, which is updated on a 3-year cycle. The benchmark for chlorophyll *a* concentration was updated for the 2024 AEMP Annual Report to incorporate baseline data from the PLD Lakes (see Table 2.2-22 of the Part 1—Annual Report). Total phytoplankton density was removed from the list of ARF variables (ERM 2024a) as approved by the Board (WLWB 2024). As discussed in Section 4, small-bodied fish CPUE has been added to the list of ARF variables. No other changes to the ARF have been made since the approval of the Plan (ERM 2023a, 2024a).

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Annex 1 Comparisons of Observed and Predicted Water Quality Data for Response Plan Variables

EKATI MINE

Appendix B: 2024 Aquatic Response Framework Reporting

Annex 1: Comparisons of Observed and Predicted Water Quality Data for Response Plan Variables

April 2025

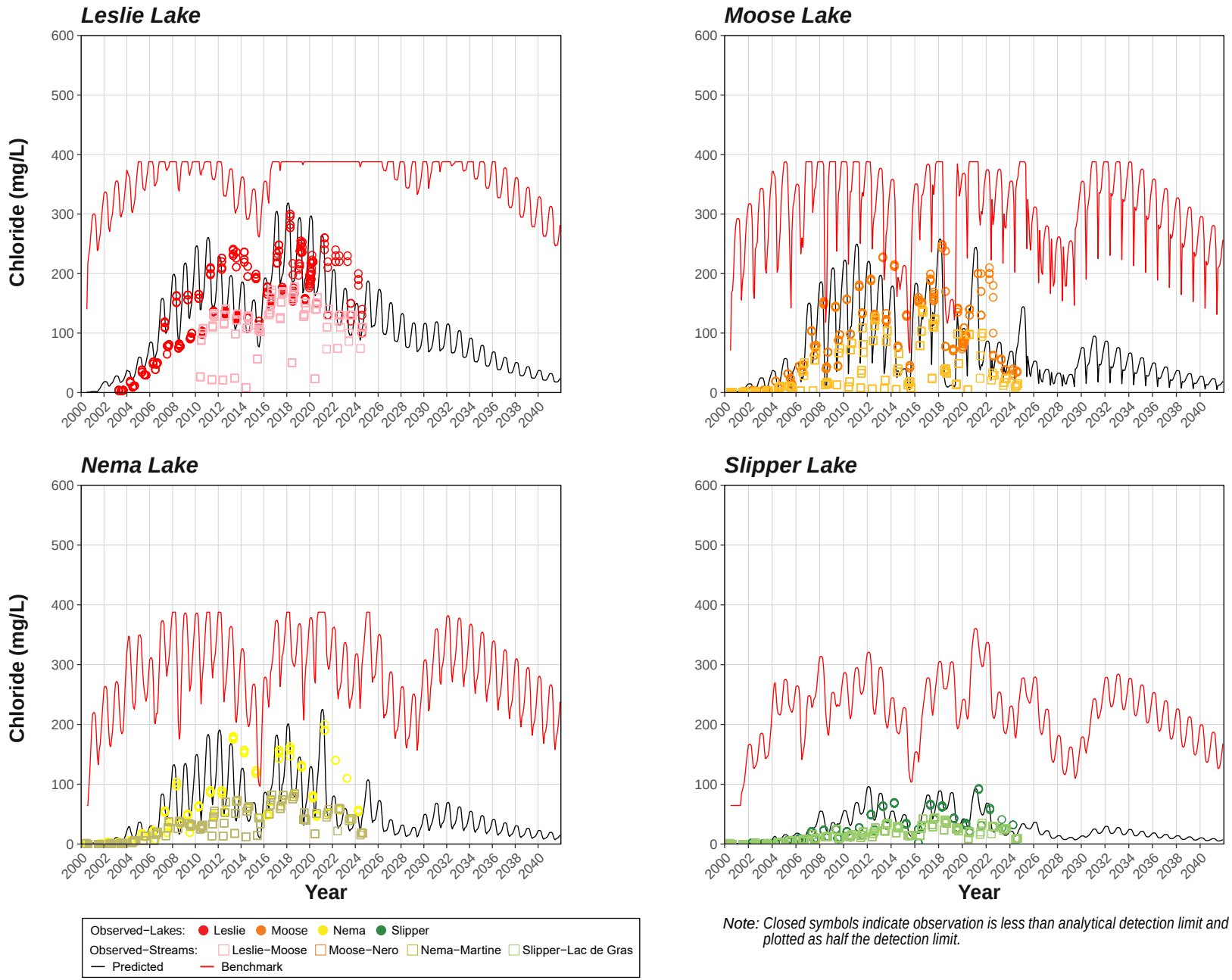
BURGUNDY
DIAMOND MINES

ERM

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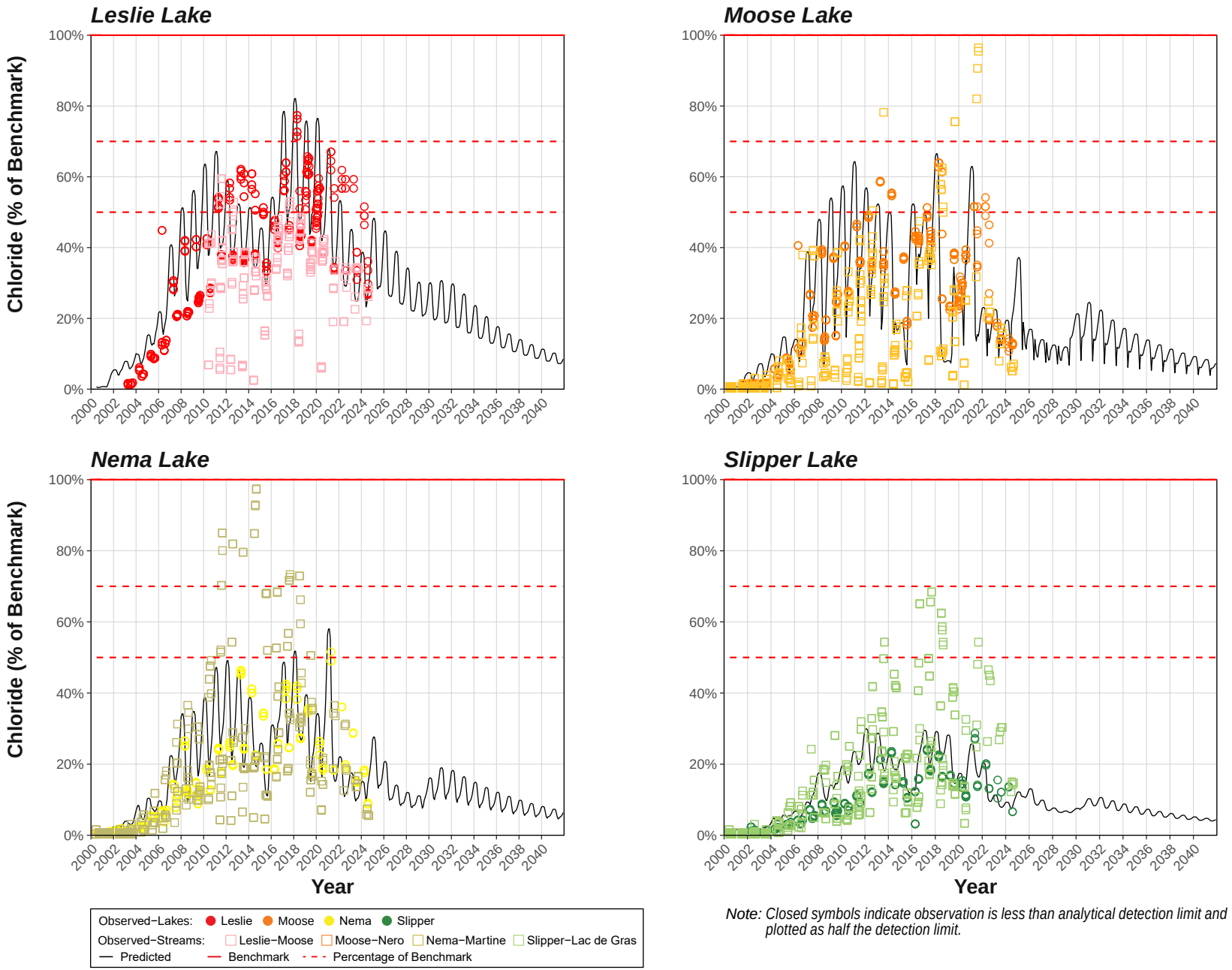
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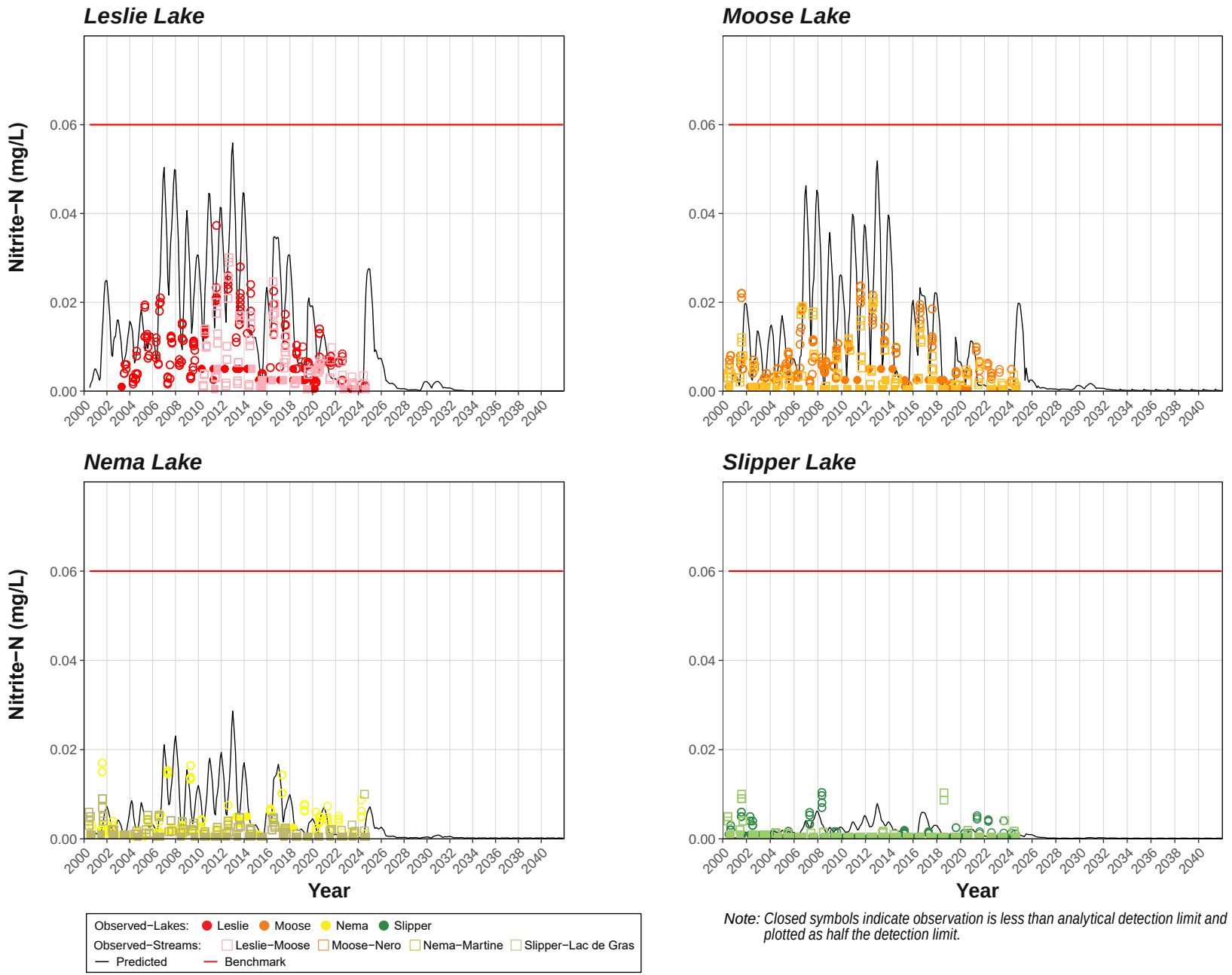
Note: Closed symbols indicate observation is less than analytical detection limit and plotted as half the detection limit.

Figure 1 Observed and Predicted Chloride Concentrations for Lakes Downstream of the LLCF



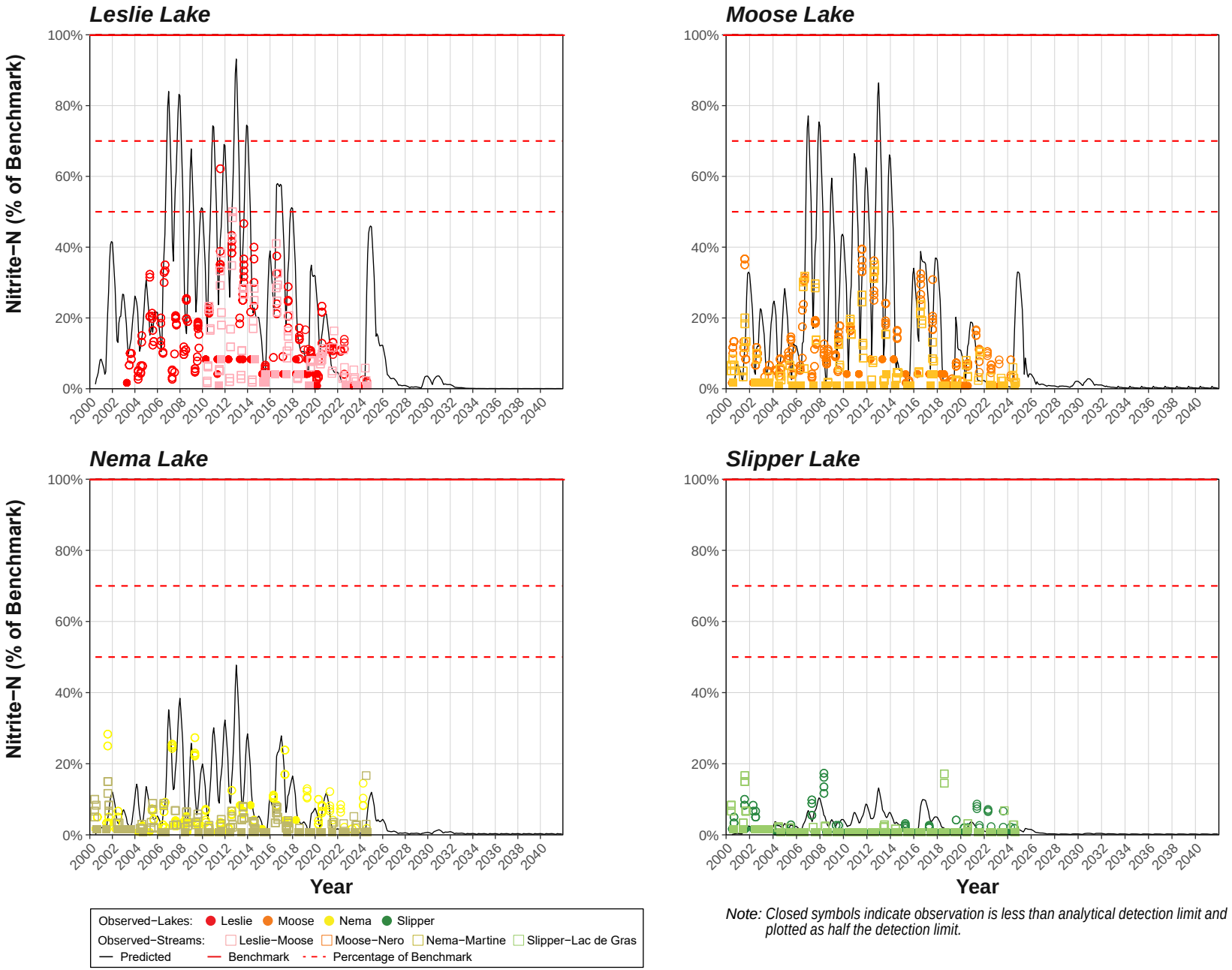
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Figure 2 Observed and Predicted Chloride Concentrations for Lakes Downstream of the LLCF as Percentage of Benchmark



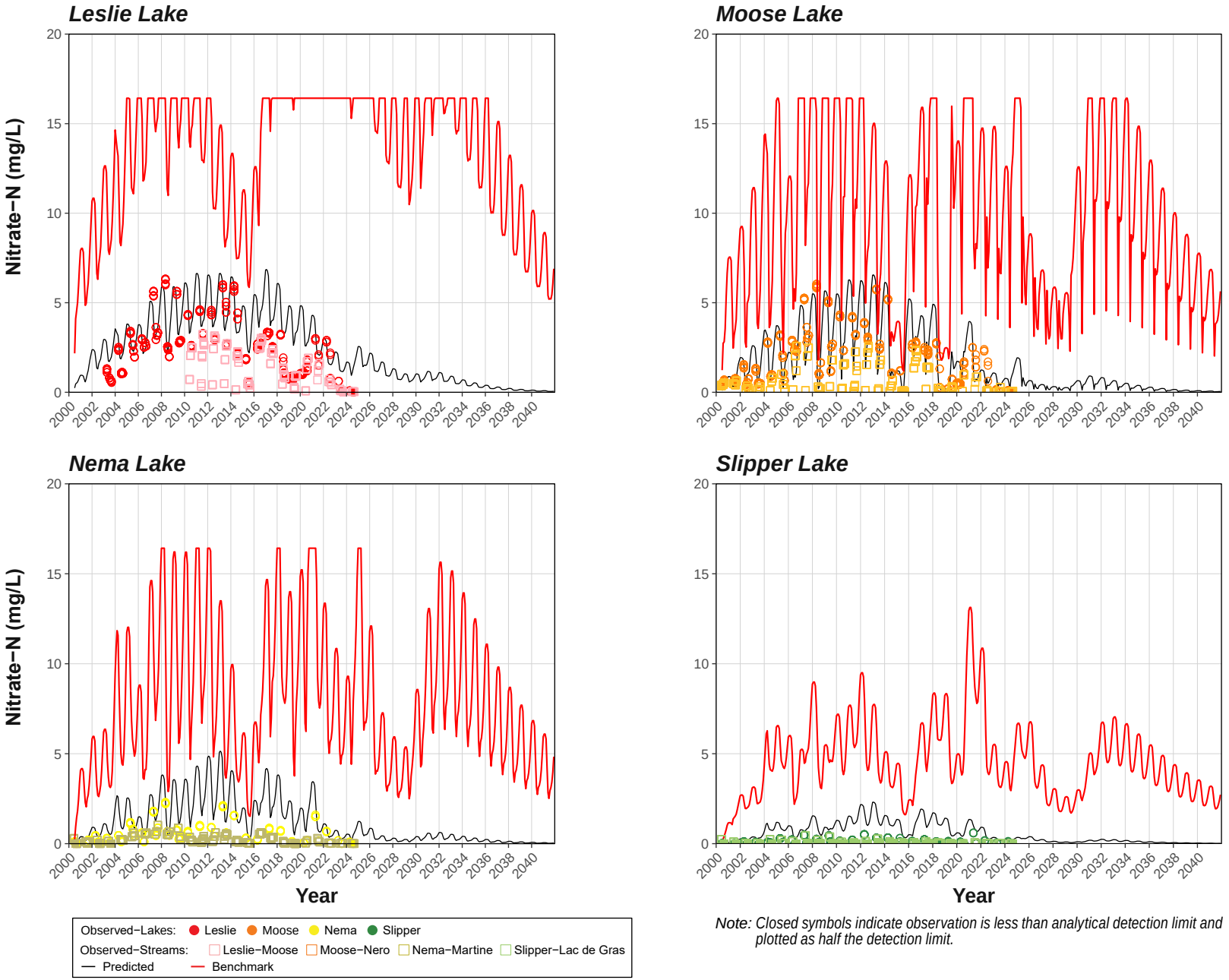
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Figure 3 Observed and Predicted Nitrite-N Concentrations for Lakes Downstream of the LLCF



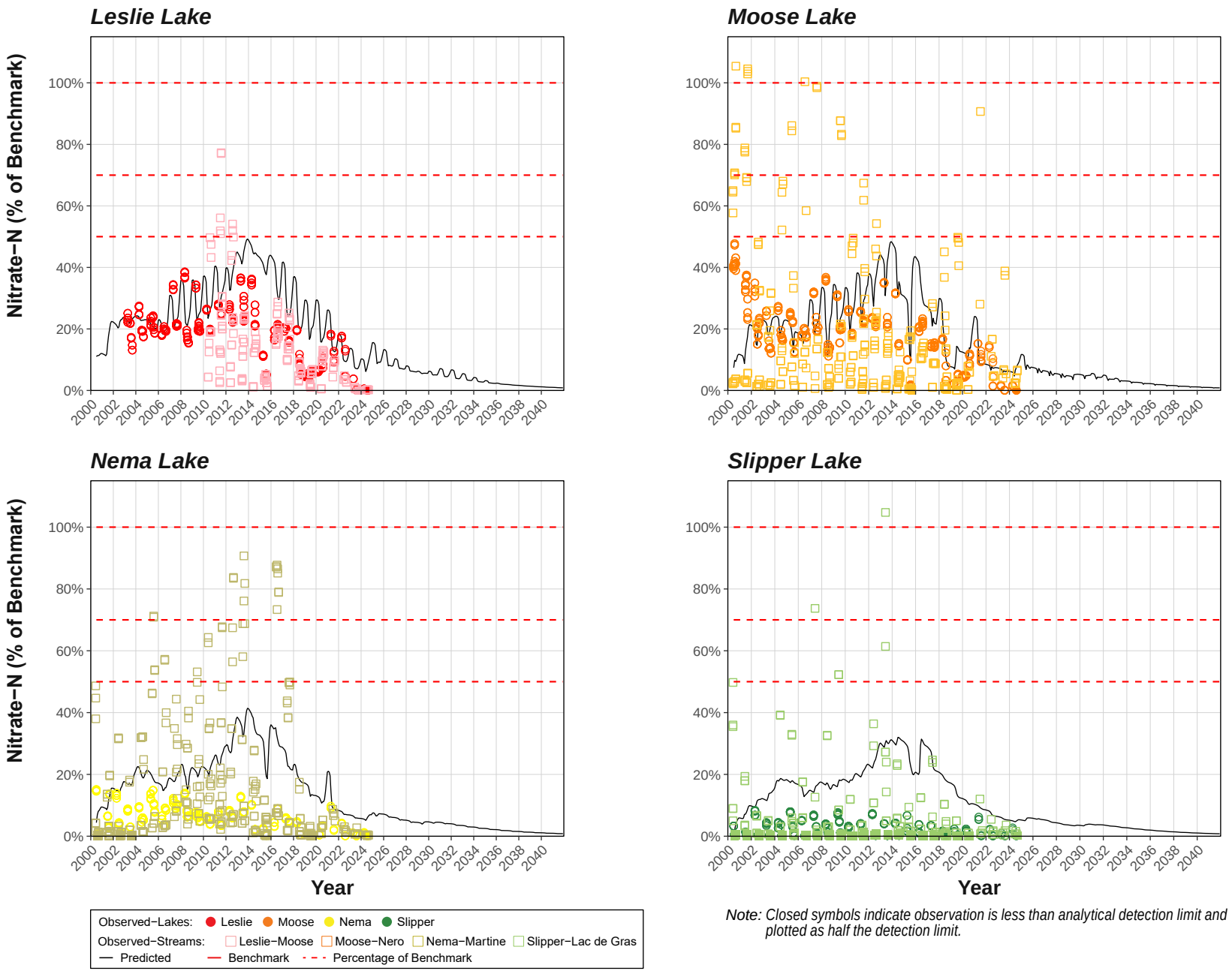
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Figure 4 Observed and Predicted Nitrite-N Concentrations for Lakes Downstream of the LLCF as Percentage of Benchmark



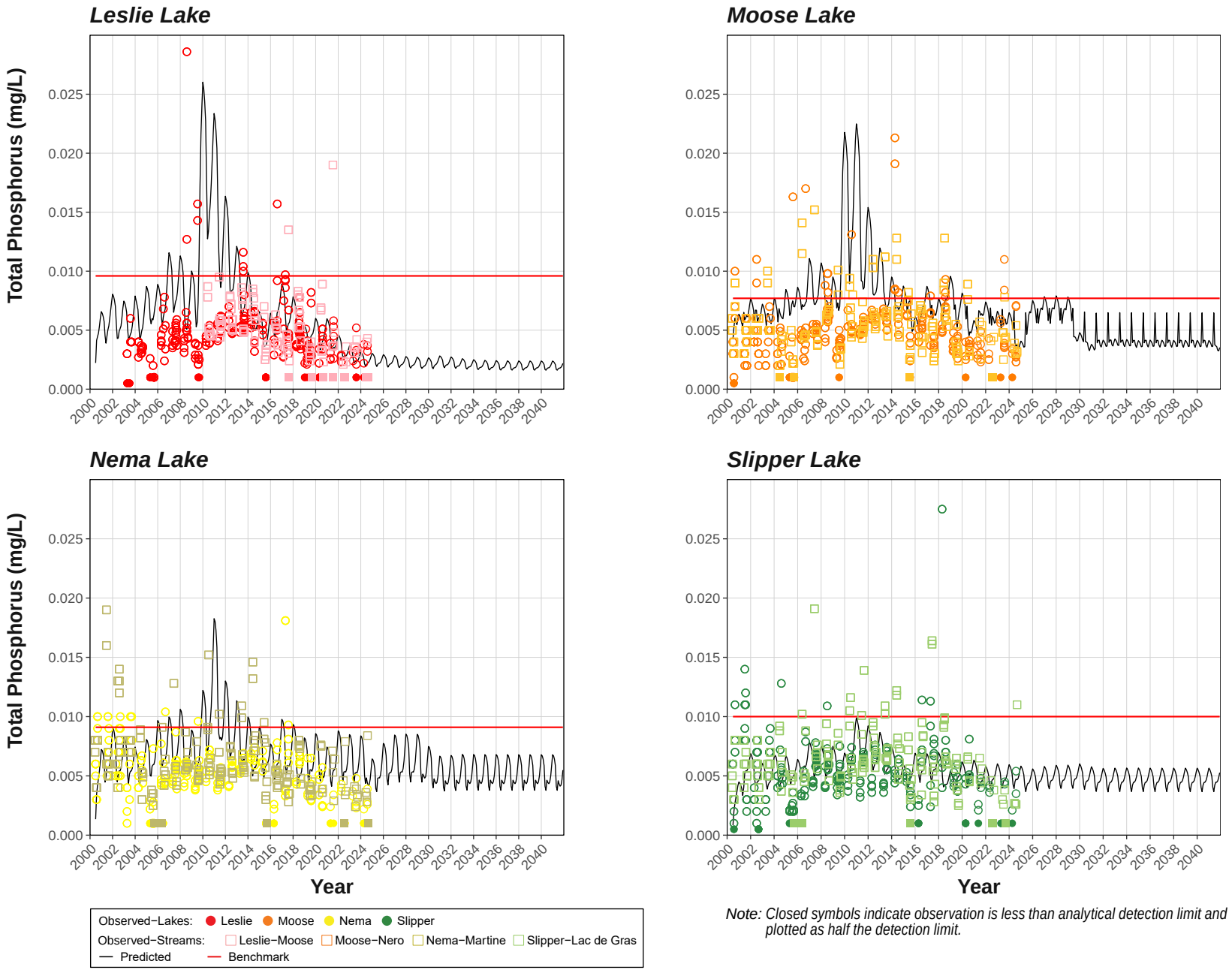
Note: Closed symbols indicate observation is less than analytical detection limit and plotted as half the detection limit.

Figure 5 Observed and Predicted Nitrate-N Concentrations for Lakes Downstream of the LLCF



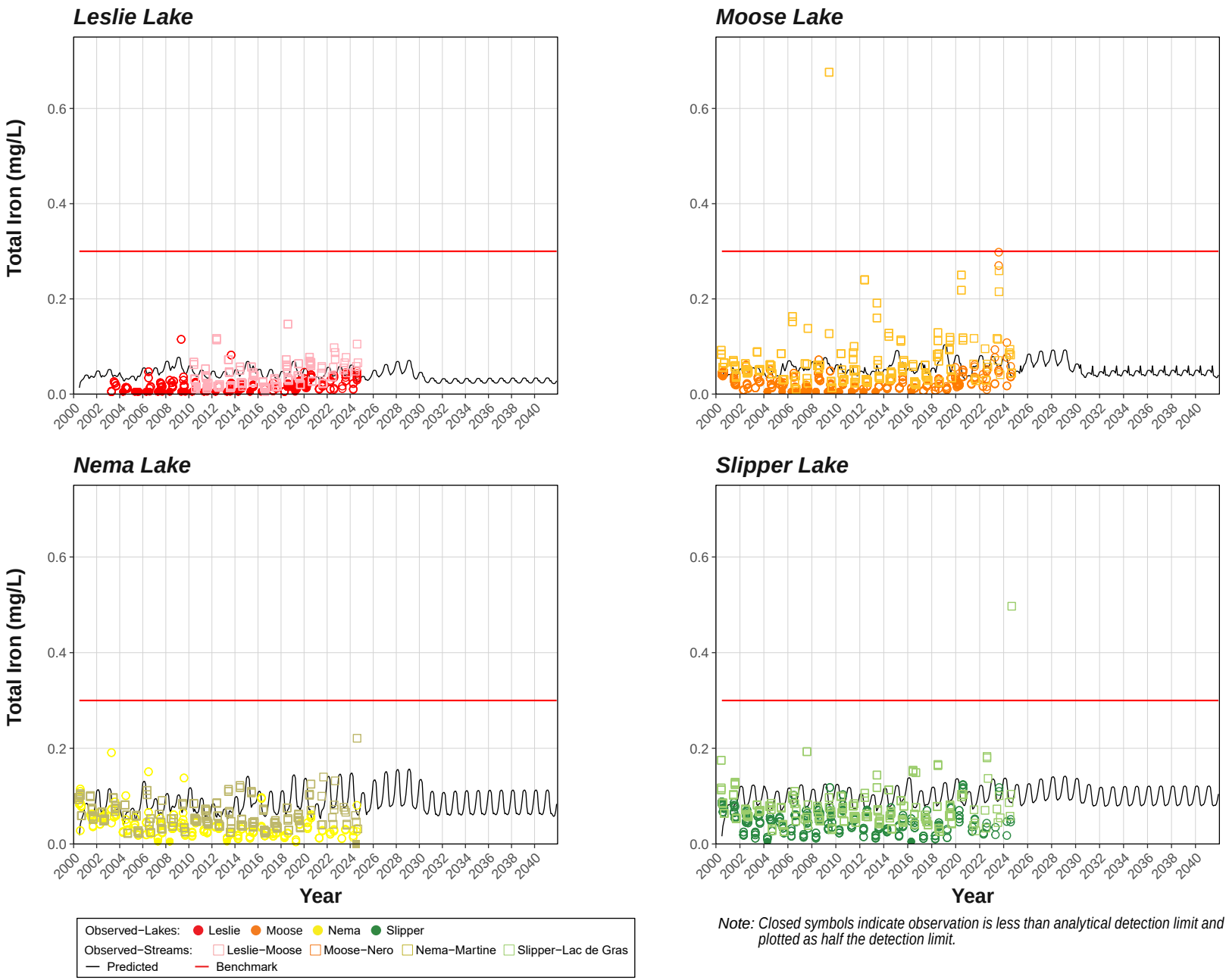
Note: Closed symbols indicate observation is less than analytical detection limit and plotted as half the detection limit.

Figure 6 Observed and Predicted Nitrate-N Concentrations for Lakes Downstream of the LLCF as Percentage of Benchmark



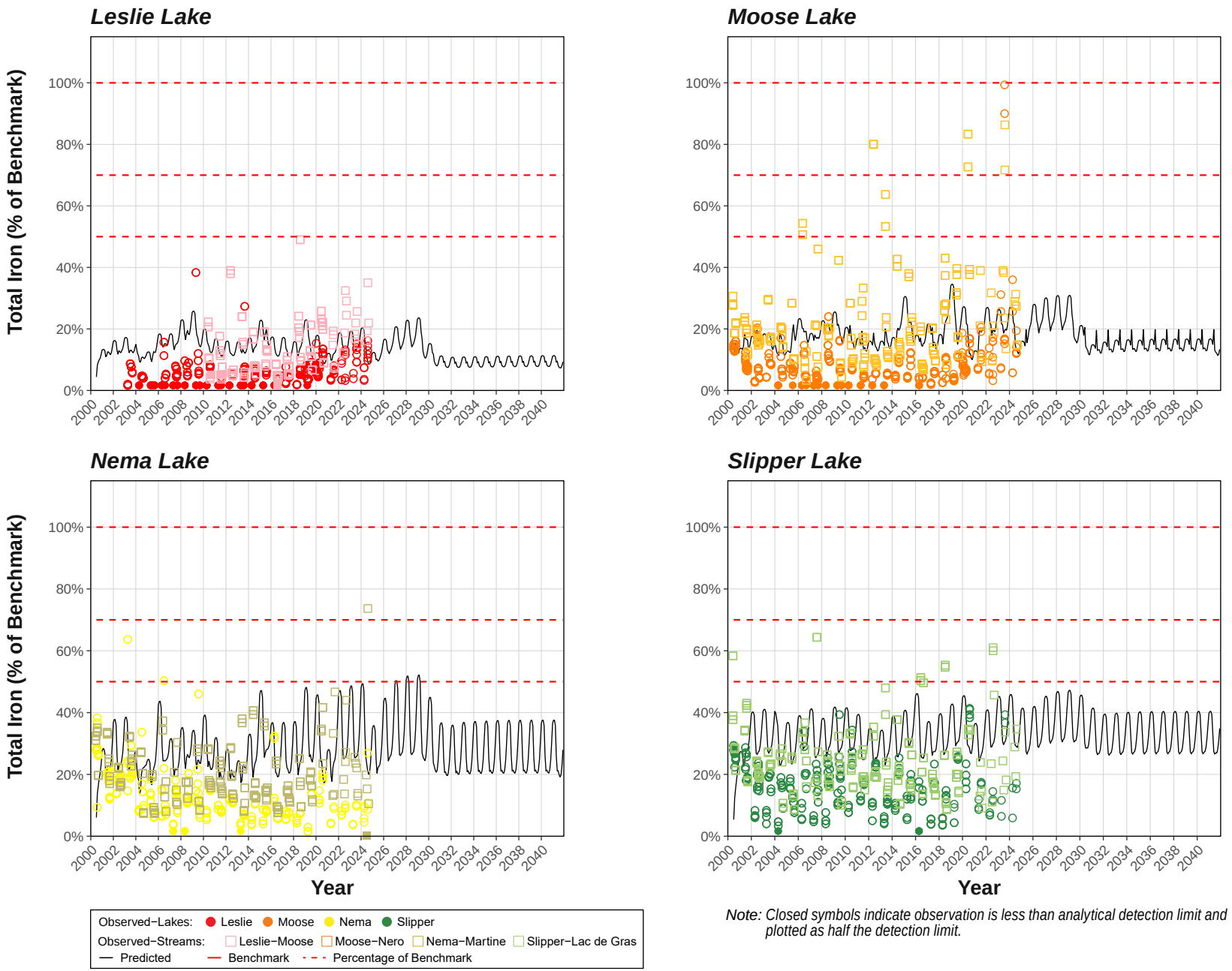
Note: Closed symbols indicate observation is less than analytical detection limit and plotted as half the detection limit.

Figure 7 Observed and Predicted Total Phosphorus Concentrations for Lakes Downstream of the LLCF



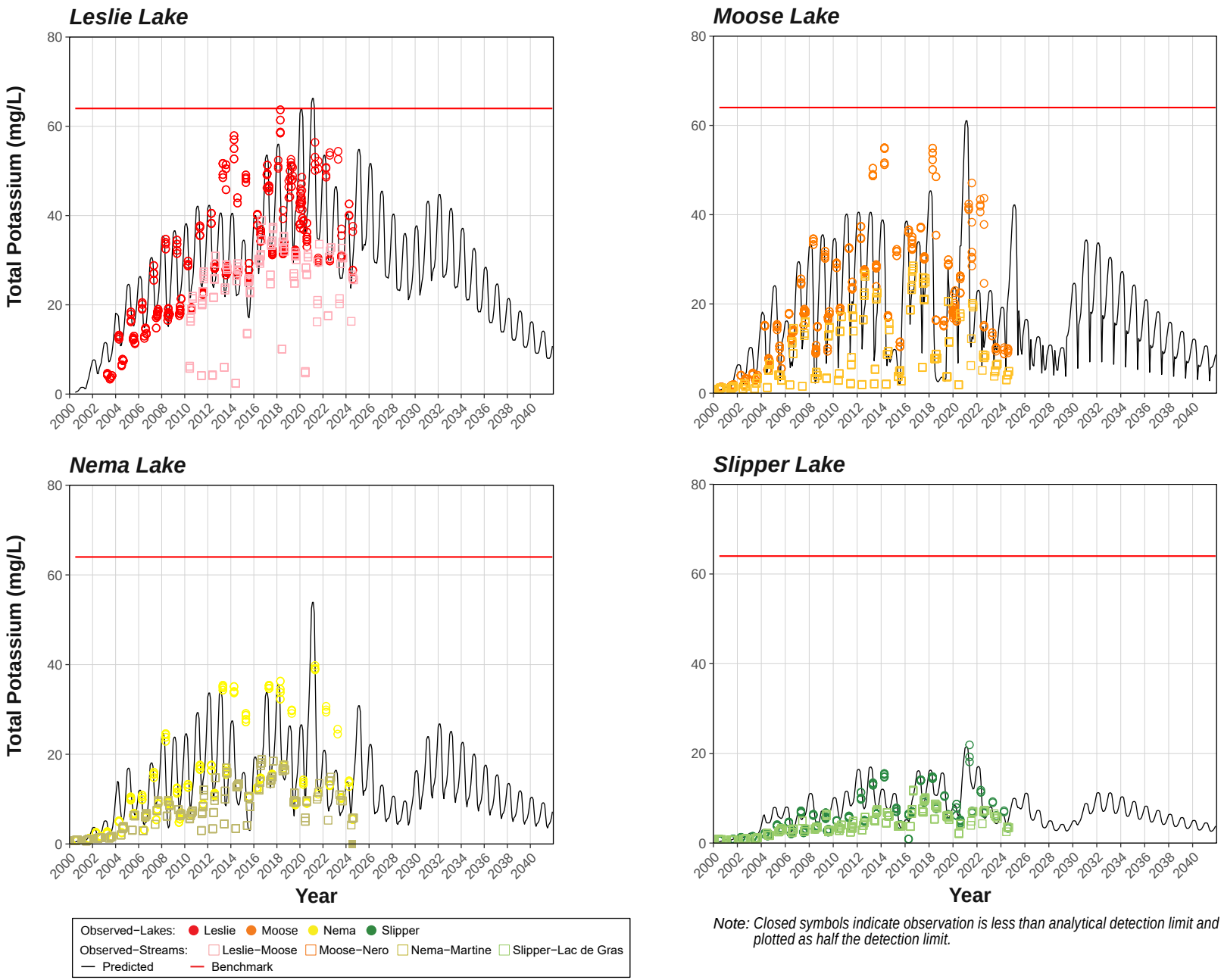
Note: Closed symbols indicate observation is less than analytical detection limit and plotted as half the detection limit.

Figure 8 Observed and Predicted Total Iron Concentrations for Lakes Downstream of the LLCF



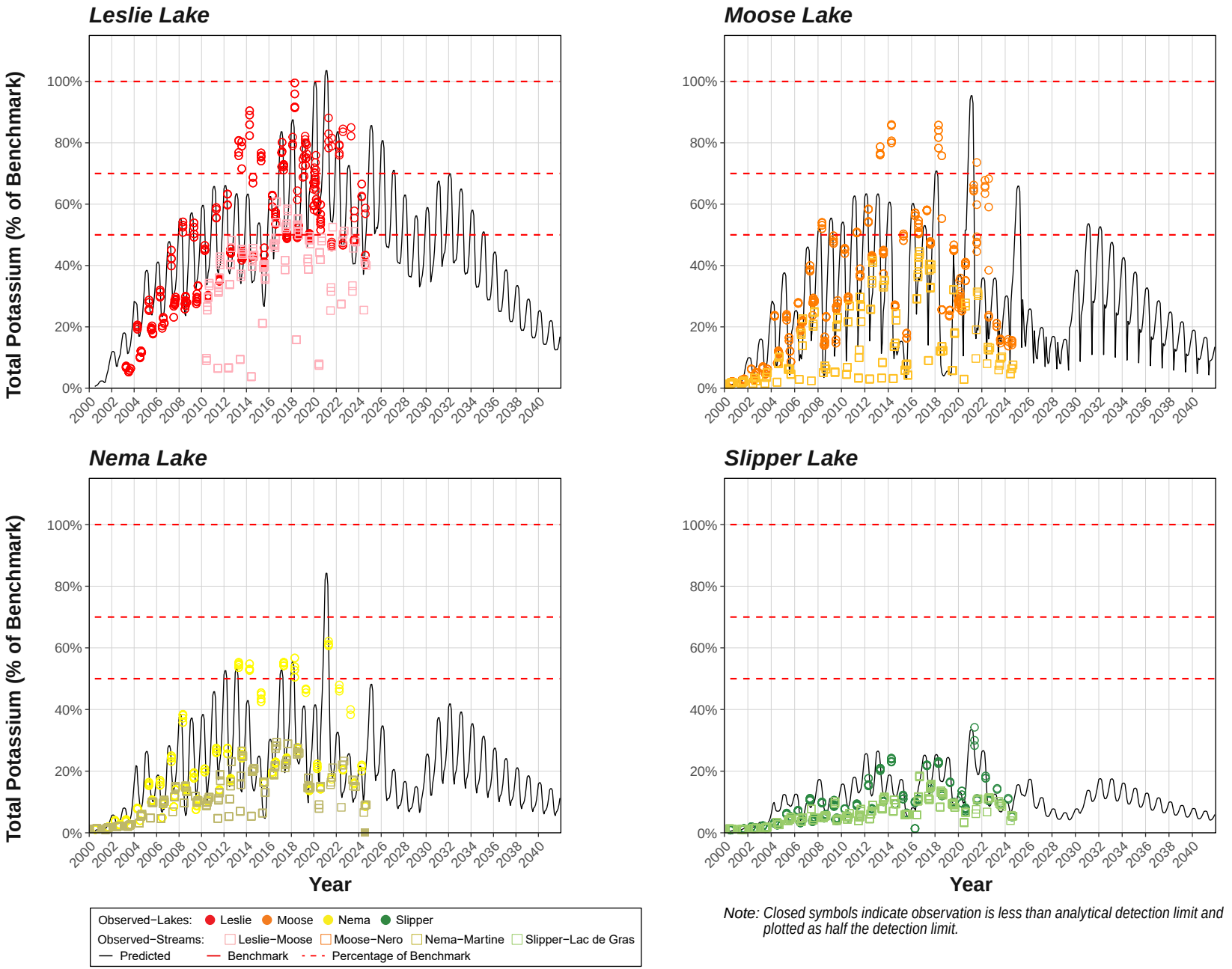
Note: Closed symbols indicate observation is less than analytical detection limit and plotted as half the detection limit.

Figure 9 Observed and Predicted Total Iron Concentrations for Lakes Downstream of the LLCF as Percentage of Benchmark



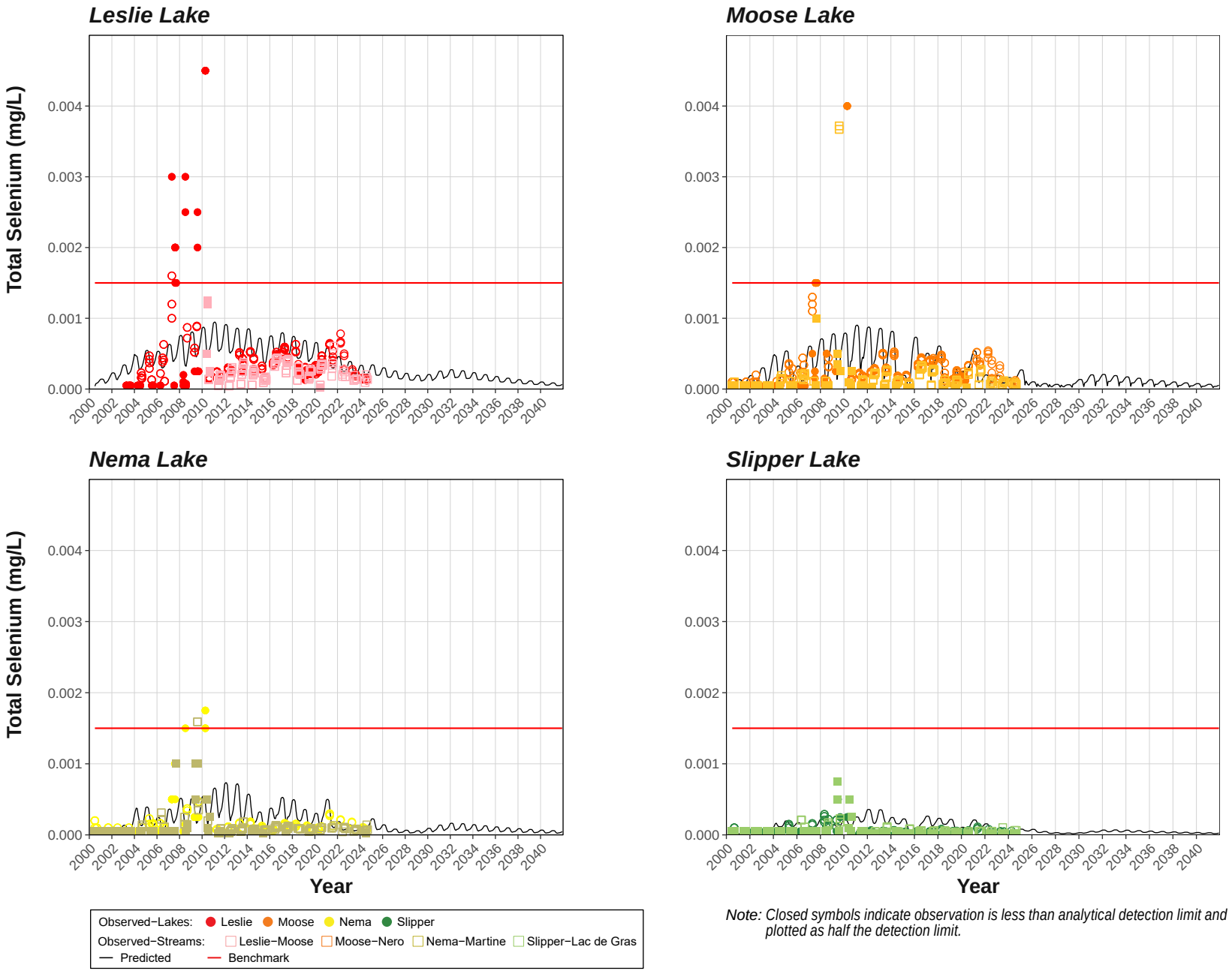
Note: Closed symbols indicate observation is less than analytical detection limit and plotted as half the detection limit.

Figure 10 Observed and Predicted Total Potassium Concentrations for Lakes Downstream of the LLCF



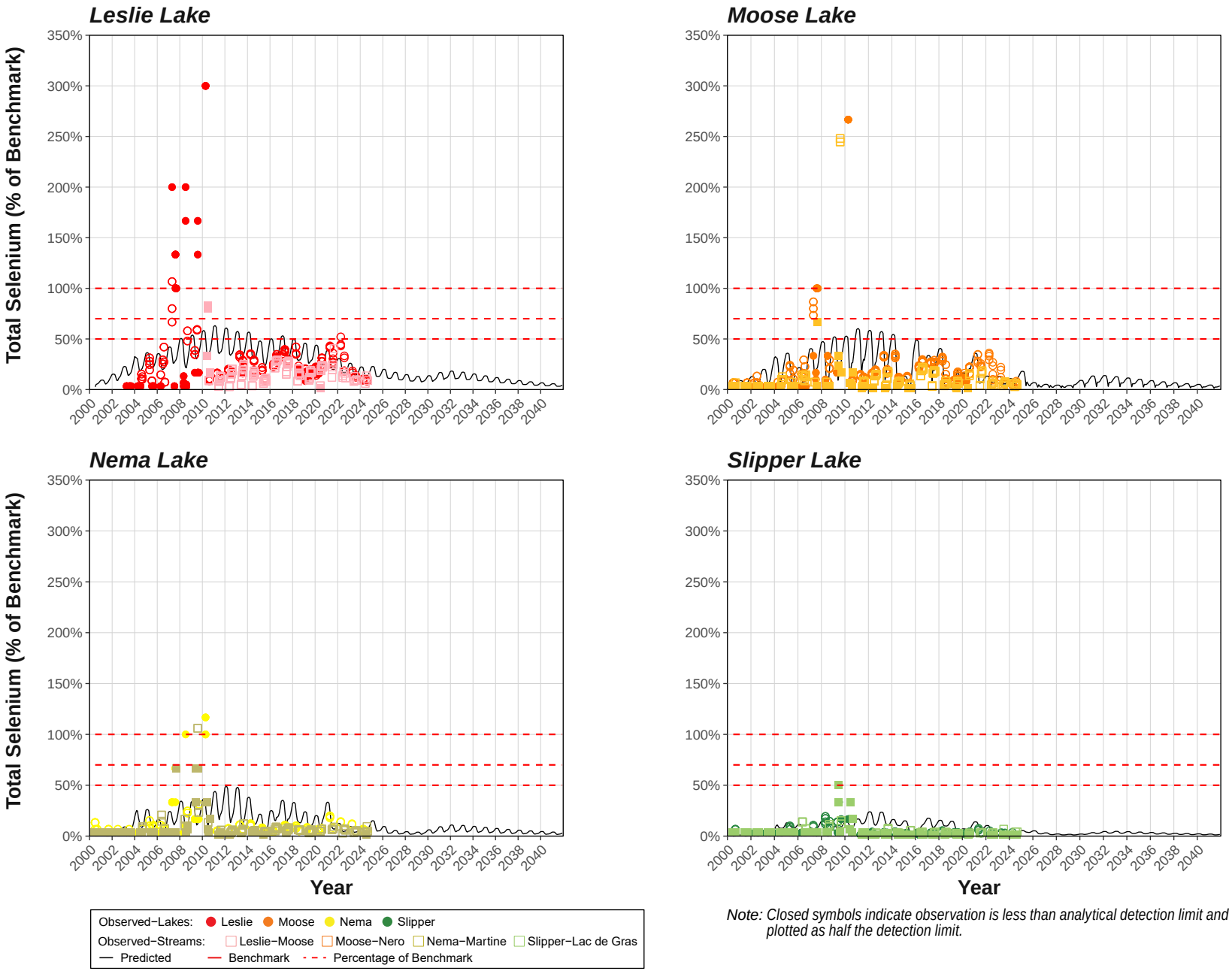
Note: Closed symbols indicate observation is less than analytical detection limit and plotted as half the detection limit.

Figure 11 Observed and Predicted Total Potassium Concentrations for Lakes Downstream of the LLCF as Percentage of Benchmark



Note: Closed symbols indicate observation is less than analytical detection limit and plotted as half the detection limit.

Figure 12 Observed and Predicted Total Selenium Concentrations for Lakes Downstream of the LLCF



Note: Closed symbols indicate observation is less than analytical detection limit and plotted as half the detection limit.

Figure 13 Observed and Predicted Total Selenium Concentrations for Lakes Downstream of the LLCF as Percentage of Benchmark

Annex 2 Total Phosphorus Statistical Results for Cujo Lake

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3.1.1 Nutrients 3-1
3.1.1.1 Total Phosphorus 3-1

3. RESULTS FOR THE KING-CUJO WATERSHED AND LAC DU SAUVAGE

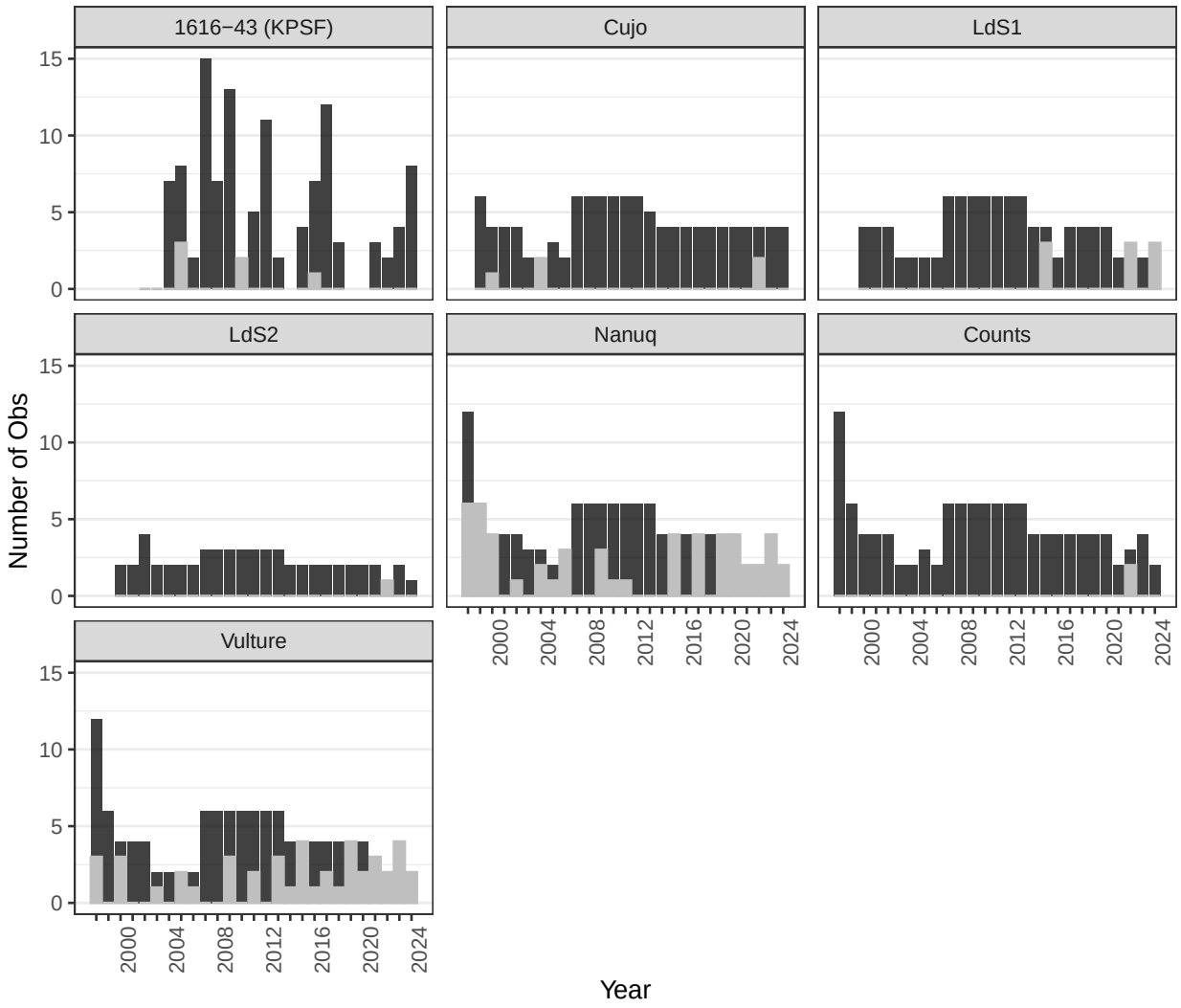
3.1.1 Nutrients

3.1.1.1 Total Phosphorus

2 Open-Water Lakes

2.1 Censored Values - Open-water Lake Total Phosphorus

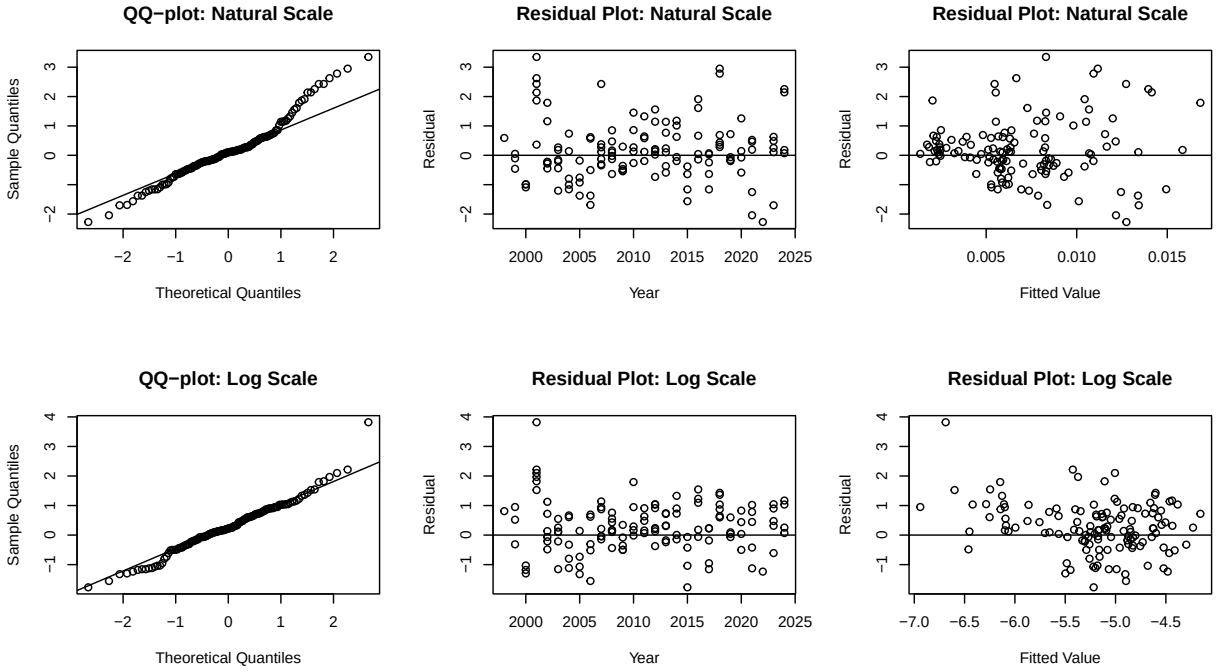
The following charts indicate the number of measurements taken in each year from each lake that were less than the DL (light gray) or above the DL (dark gray).



10-50% of data in Nanuq and Vulture were less than the DL.

The remainder of the analyses proceeds with Tobit regression.

2.2 Initial Model Fit - Open-water Lake Total Phosphorus



Outliers on natural scale:

Lake	Year	Impute	Fitted	Std. Resid.
Cujo	2001	0.0176	0.0083	3.348

Outliers on log scale:

Lake	Year	Impute	Fitted	Std. Resid.
Nanuq	2001	0.0073	-6.688	3.82

Conclusions:

Based on examination of residuals, proceeding with the log transformed model. However, there were outliers which were retained in the model and may influence results. Results should be interpreted with caution and in conjunction with graphical analyses.

2.3 Comparisons within Reference - Open-water Lake Total Phosphorus

Compare fitted Curves for All Reference Lakes : reference model 3

Chi-square	DF	*p*
118.4	6	0.0000

Conclusions:
The slopes and intercepts differ significantly among reference lakes. Reference lakes do not fit reference model 3. Continuing with test of reference model 2 (fitting a common reference slope).

Compare Trend for All Reference Lakes : reference model 2

Results:

Chi-square	DF	*p*
2.423	4	0.6584

Conclusions:
The slopes do not differ significantly among reference lakes.

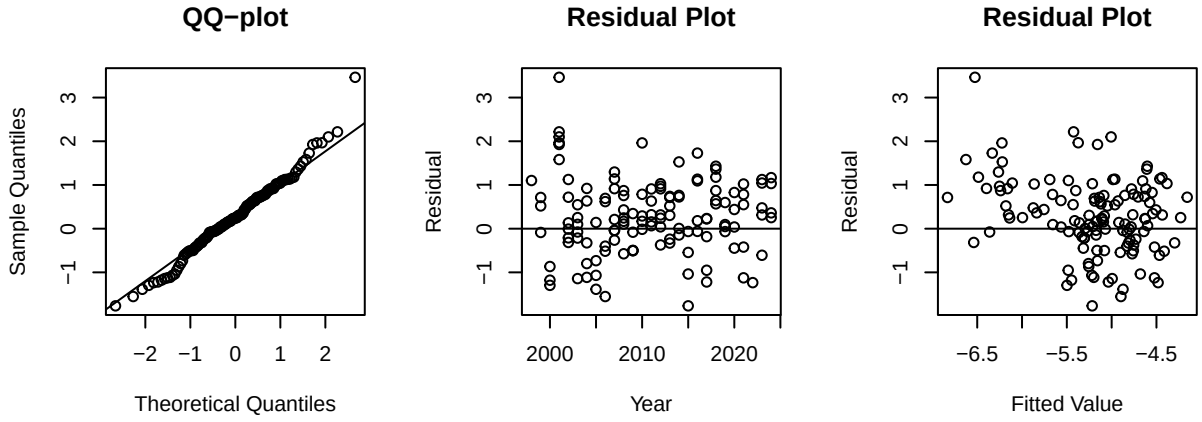
Compare Reference Models using AIC Weights

	Ref. Model 1	Ref. Model 2	Ref. Model 3	Best Model
Akaike Weight	0.0987	0.9013	0	Ref. Model 2
AIC	263.6577	259.2332	365	

Conclusions:

AIC results are in agreement with reference model testing and reveal that the reference lakes are best modelled with a common slope. Proceeding with monitored contrasts using reference model 2.

Assess Fit of Selected Model



Outliers:

Lake	Year	Impute	Fitted	Std. Resid.
Nanuq	2001	0.0073	-6.525	3.464

Conclusions:
No extreme deviations from normality and equal variance found after fitting the reduced model using a common reference lake slope and allowing for differences in intercept (reference model 2). Proceeding with remaining analyses using reference model 2.

2.4 Test Results for Monitored - Open-water Lake Total Phosphorus Comparisons Against Reference Lakes

Fitted model of the trend (slope) of each monitored lake compared to a common slope fitted to all reference lakes (reference model 2). This contrast does not test for differences in intercepts between reference and monitored lakes.

Results:

Site	Chi-square	DF	*p*
1616-43 (KPSF)	9.3796	2	0.0092
Cujo	13.0793	2	0.0014
LdS1	0.3301	2	0.8478
LdS2	0.2044	2	0.9028

Conclusions:

1616-43 (KPSF) and Cujo show significant deviation from the common slope of reference lakes.

2.5 Overall Assessment of Model Fit For Each Lake - Open-water Total Phosphorus

The R-squared values for the model fits for each lake using reference model 2 are shown below:

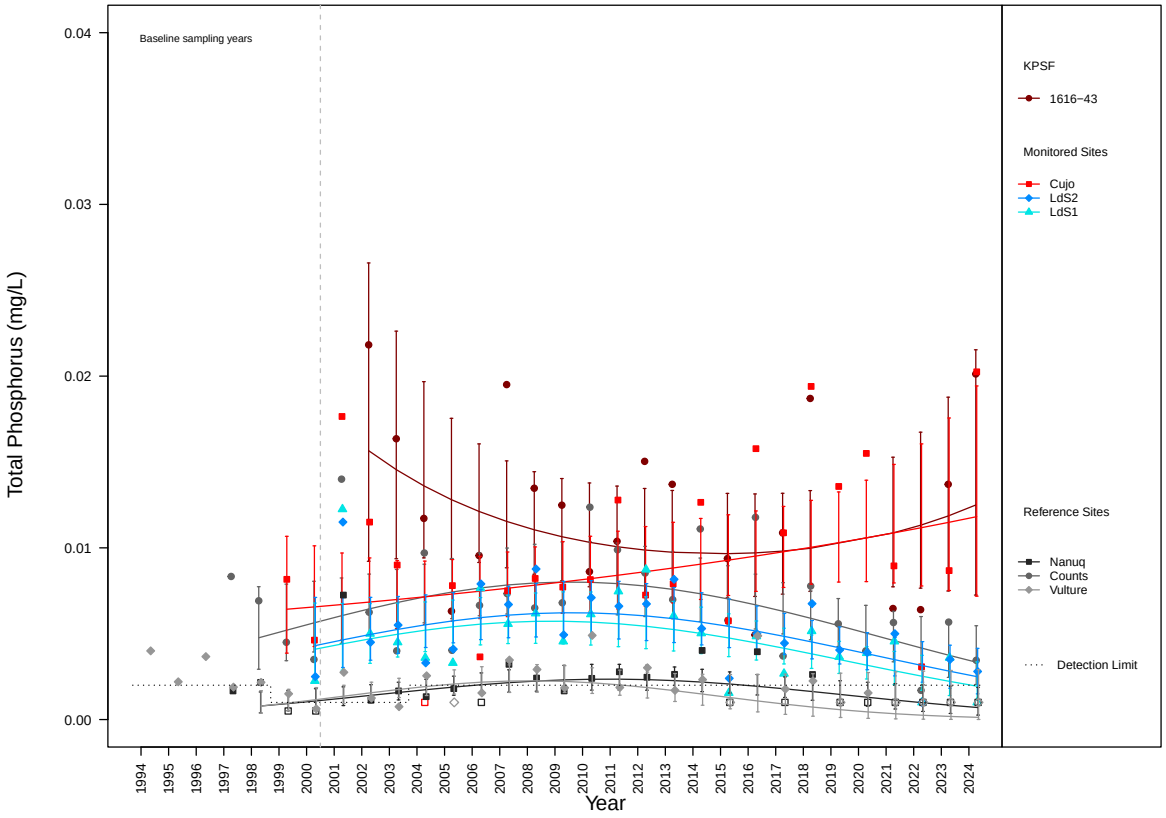
Lake Type	Lake Name	R-squared
Pooled Ref. Lakes	(more than one)	0.697
Monitored Lake	1616-43 (KPSF)	0.114
Monitored Lake	Cujo	0.085
Monitored Lake	LdS1	0.299
Monitored Lake	LdS2	0.279

Note:
Model fit is considered poor if R^2 < 0.2 and weak if R^2 is between 0.2 and 0.5.

Conclusions:

Model fit for 1616-43 (KPSF) and Cujo is poor. Model fit for LdS1 and LdS2 is weak. Results of statistical tests and MDD should be interpreted with caution.

2.6 Observed and Fitted Values for Reference and Monitored Lakes - Open-water Total Phosphorus



Note: For lakes the yearly observed mean is shown by symbols, and the mean and 95% confidence interval estimated by fitting reference model 1 (separate intercepts and slopes for reference lakes) is represented by curved horizontal lines and vertical bars respectively.

2.7 Minimum Detectable Differences - Open-water Lake Total Phosphorus

The estimated MDD in mean phosphorus for each monitored lake in 2024. Reference lakes are shown for comparison.

	Observed	Fitted	SE Fit	Lower	Upper	MDD
1616-43 (KPSF)	2.0e-02	1.2e-02	3.5e-03	7.2e-03	2.2e-02	1.0e-02
Cujo	2.0e-02	1.2e-02	3.0e-03	7.2e-03	1.9e-02	8.8e-03
LdS1	1.0e-03	1.9e-03	5.4e-04	1.1e-03	3.4e-03	1.6e-03
LdS2	2.8e-03	2.5e-03	6.5e-04	1.5e-03	4.1e-03	1.9e-03
Nanuq	1.0e-03	7.0e-04	3.5e-04	2.6e-04	1.9e-03	NA
Counts	3.4e-03	3.3e-03	8.4e-04	2.0e-03	5.5e-03	NA
Vulture	1.0e-03	1.3e-04	2.0e-04	5.6e-06	2.9e-03	NA

2.8 Final Summary Table - Open-water Lake Total Phosphorus

Variable	Total Phosphorus
Season	Open-water
Watershed	King-Cujo
Waterbody	Lake
Analysis	Water
Lakes and Streams Removed	None
Lakes and Streams Not Monitored	None
Data Transformation	Log-e-transformed
Model Type	Tobit Regression
Reference Model	#2 Shared Slopes
Benchmark	Lake specific (see Section 2.2.5.1 of Part 1)
Significant Monitored Contrasts+	1616-43 (KPSF) Cujo

+ Monitored lakes slopes are contrasted to a slope of 0 in reference model 1a, to the slope of each individual reference Lakes in model 1b, to the common slope of reference lakes in model 2, and to the common slope and intercept of reference lakes in model 3.

EKATI MINE

2024 AEMP Part 1—Annual Report

Appendix C: Historical Lake Water Quality

April 2025

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1. Historical Lake Water Quality

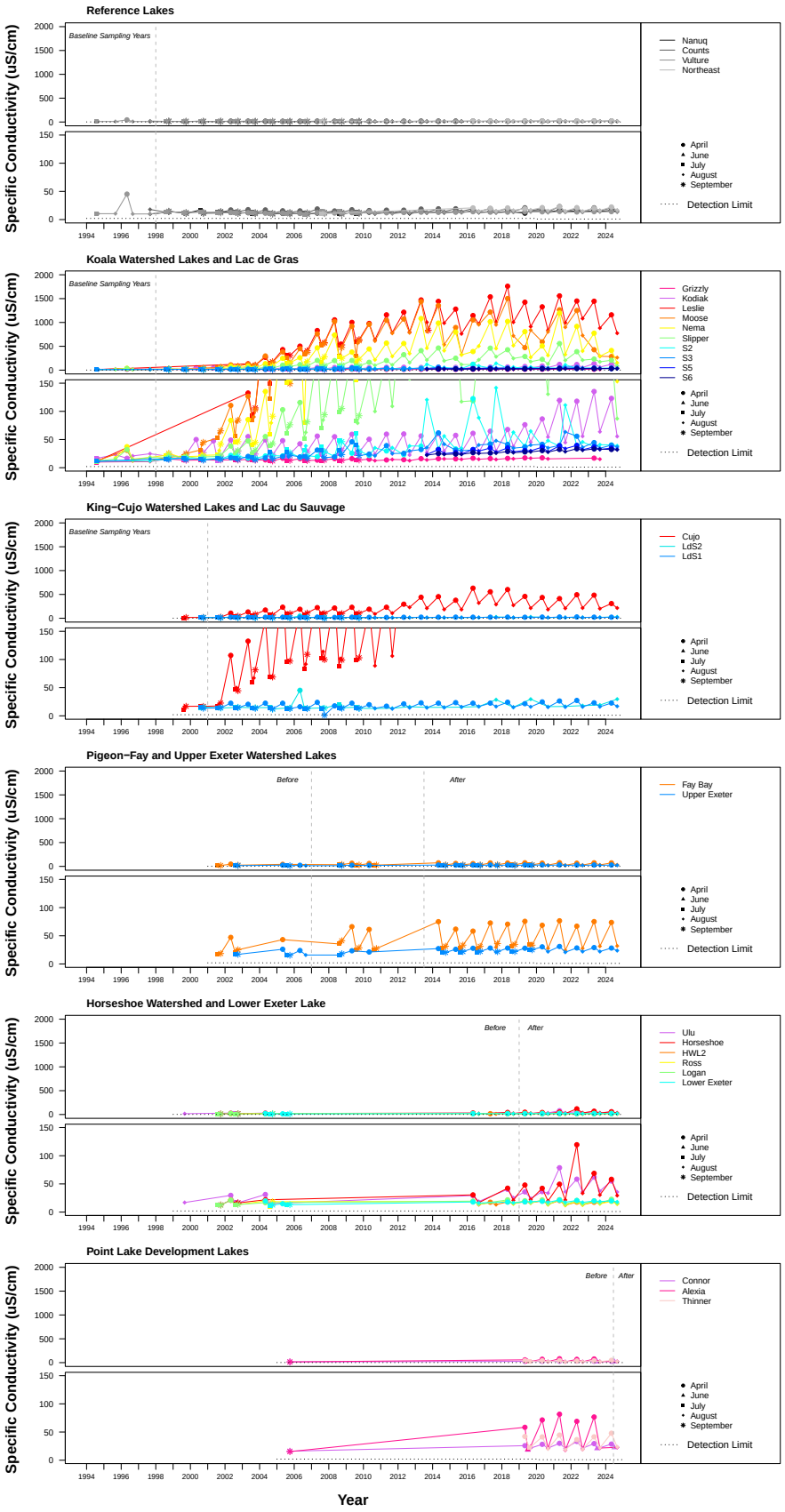
The Aquatic Effects Monitoring Program (AEMP) Evaluation of Effects focuses on detecting potential changes in 22 or 25 lake water quality variables using samples collected during the ice-covered and open-water seasons for each watershed evaluated in that year. However, lake water quality samples are analyzed for a total of 48 water quality variables in the laboratory, including:

- Specific conductivity;
- pH (laboratory-measured);
- Total alkalinity;
- Bicarbonate;
- Carbonate;
- Water hardness;
- Hydroxide;
- Chloride;
- Fluoride;
- Sulphate;
- Total suspended solids;
- Total dissolved solids;
- Turbidity;
- Ion balance;
- Total ammonia-N;
- Nitrite-N;
- Nitrate-N;
- Orthophosphate-P;
- Total phosphorus;
- Total organic carbon;
- Total Kjeldahl nitrogen;
- Total aluminum;
- Total antimony;
- Total arsenic;
- Total barium;
- Total beryllium;
- Total boron;
- Total cadmium;
- Total calcium;
- Total chromium;
- Total cobalt;
- Total copper;
- Total iron;
- Total lead;
- Total magnesium;
- Total manganese;
- Total mercury;
- Total molybdenum;
- Total nickel;
- Total potassium;
- Total selenium;
- Total silicon;
- Total silver;
- Total sodium;
- Total strontium;
- Total uranium;
- Total vanadium; and
- Total zinc.

Historical means for 47 of the water quality variables (excluding ion balance) for the four reference lakes (Nanuq, Counts, Vulture, and Northeast lakes); each of the monitored lakes in the Koala, King-Cujo, Pigeon-Fay, and Upper Exeter, and Horseshoe watersheds as well as their respective downstream sites in Lac de Gras, Lac du Sauvage, and Lower Exeter Lake; and the PLD Lakes (Connor, Alexia, and Thinner lakes) are presented below (Figures 1 to 47).

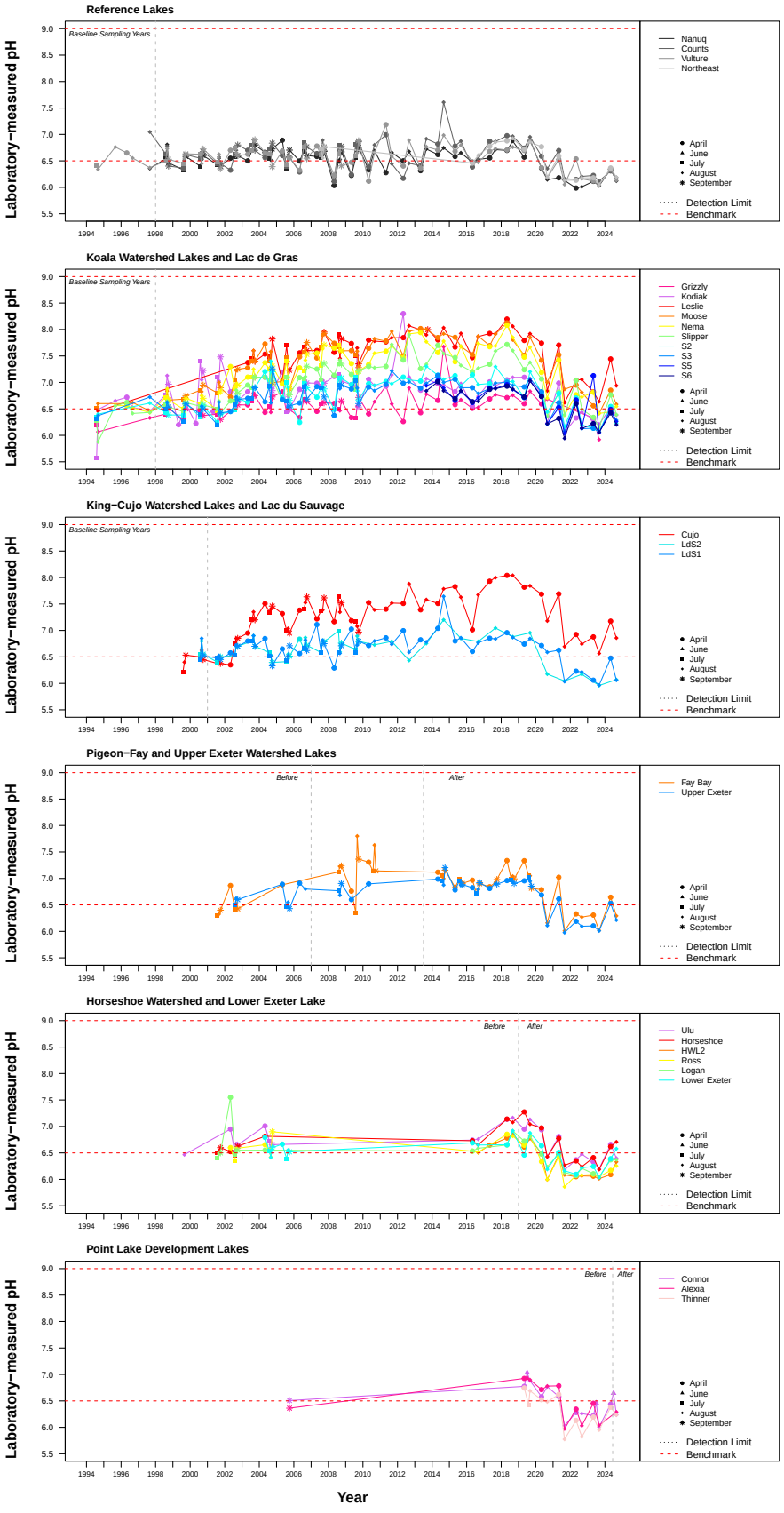
In addition to the evaluated data (typically April and August sampling), additional sampling months are presented as applicable to previous sampling designs. Section 2.2.3.3 of Part 1—Annual Report details changes in the sampling frequency through time. For example, lake water quality was sampled in July and September in addition to the April and August prior to 2010 in the Koala and King-Cujo watersheds, and from 2014 to 2019 in the Pigeon-Fay and Upper Exeter Watershed.

Water quality benchmarks, where applicable, for all Aquatic Response Framework (ARF) variables as defined in the Plan for 2023 to 2025, Version 8.1 (ERM 2023, 2024), are provided on the figures. Analytical detection limits (DLs) are also included on the figures, with the lowest DL presented in cases where DLs varied between lakes and months within the same year.



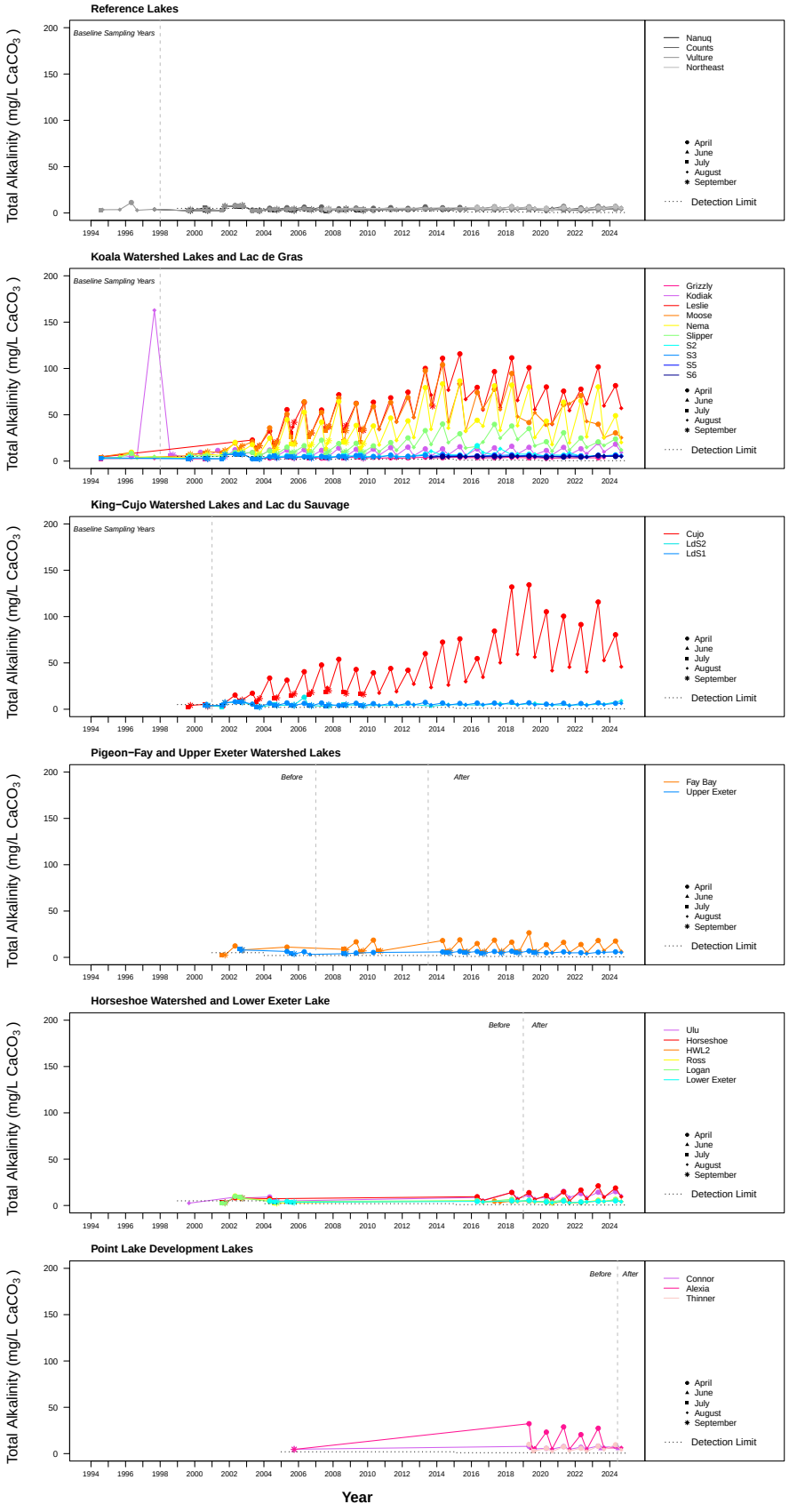
Note: Dotted lines represent the minimum annual DL through time.

Figure 1 Specific Conductivity for AEMP Lakes, 1994 to 2024



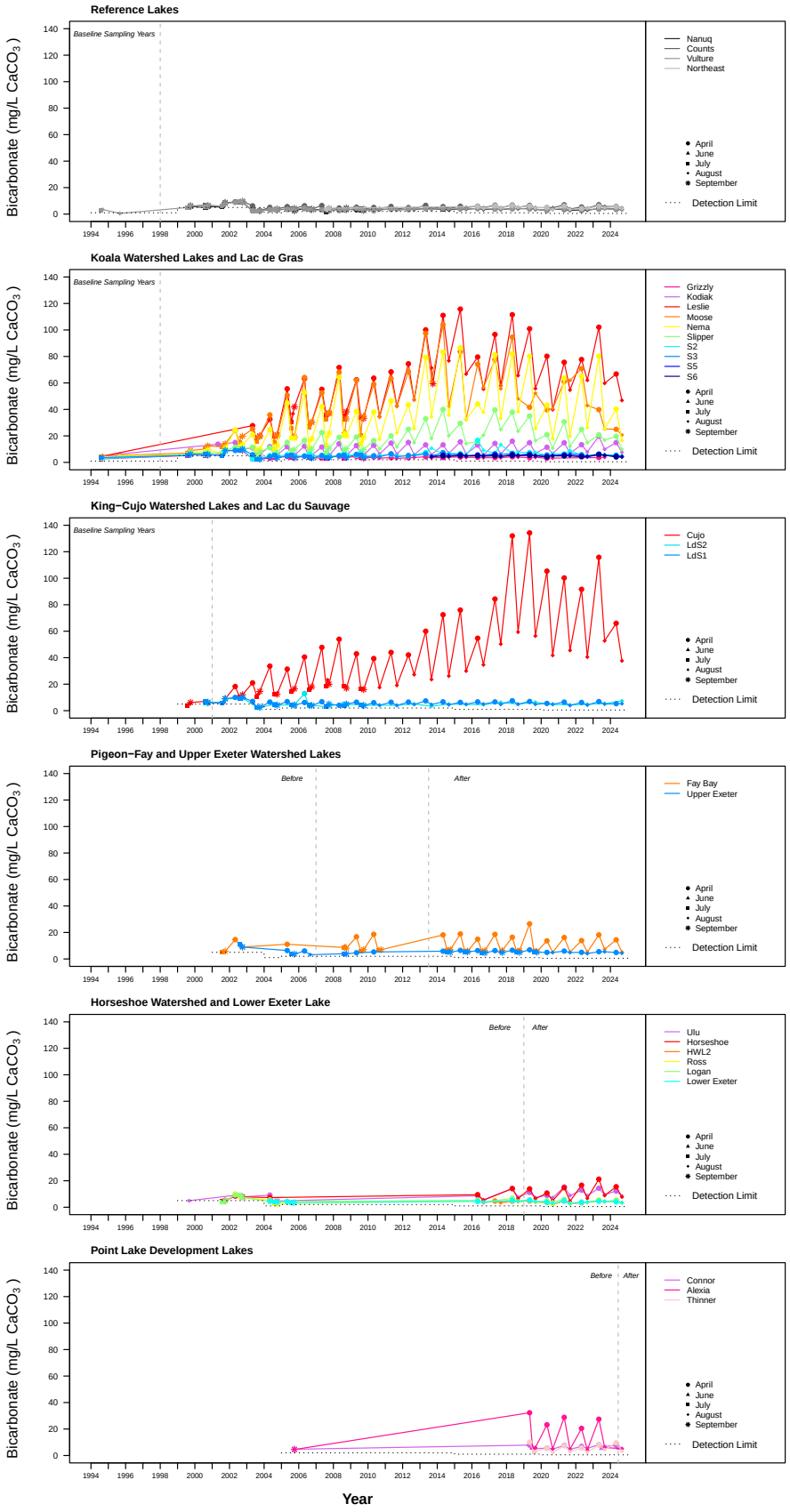
Notes: Dotted lines represent the minimum annual DL through time.
Benchmark = 6.5 to 9

Figure 2 pH for AEMP Lakes, 1994 to 2024



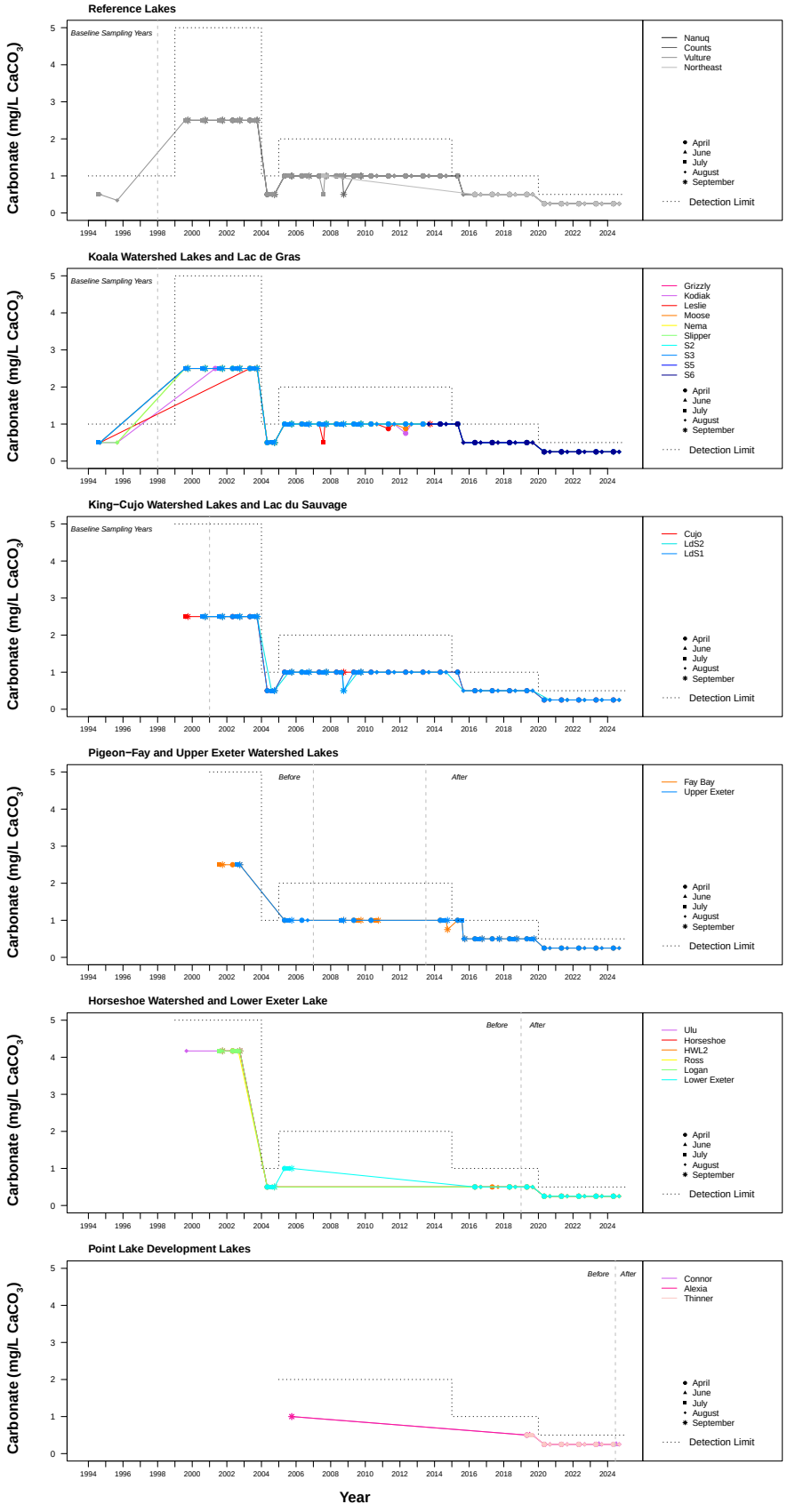
Note: *Dotted lines represent the minimum annual DL through time.*

Figure 3 Total Alkalinity for AEMP Lakes, 1994 to 2024



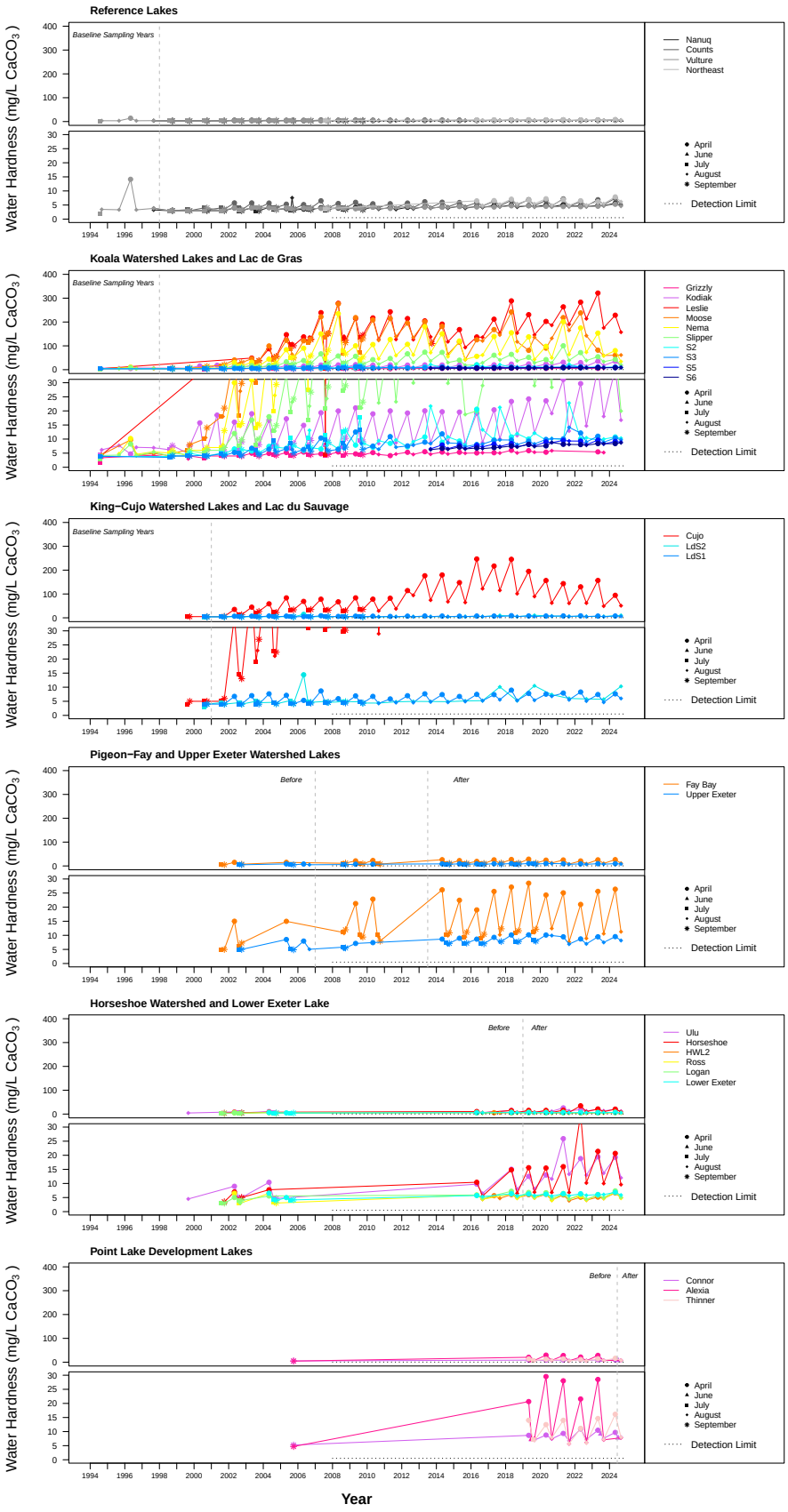
Note: Dotted lines represent the minimum annual DL through time.

Figure 4 Bicarbonate Concentrations for AEMP Lakes, 1994 to 2024



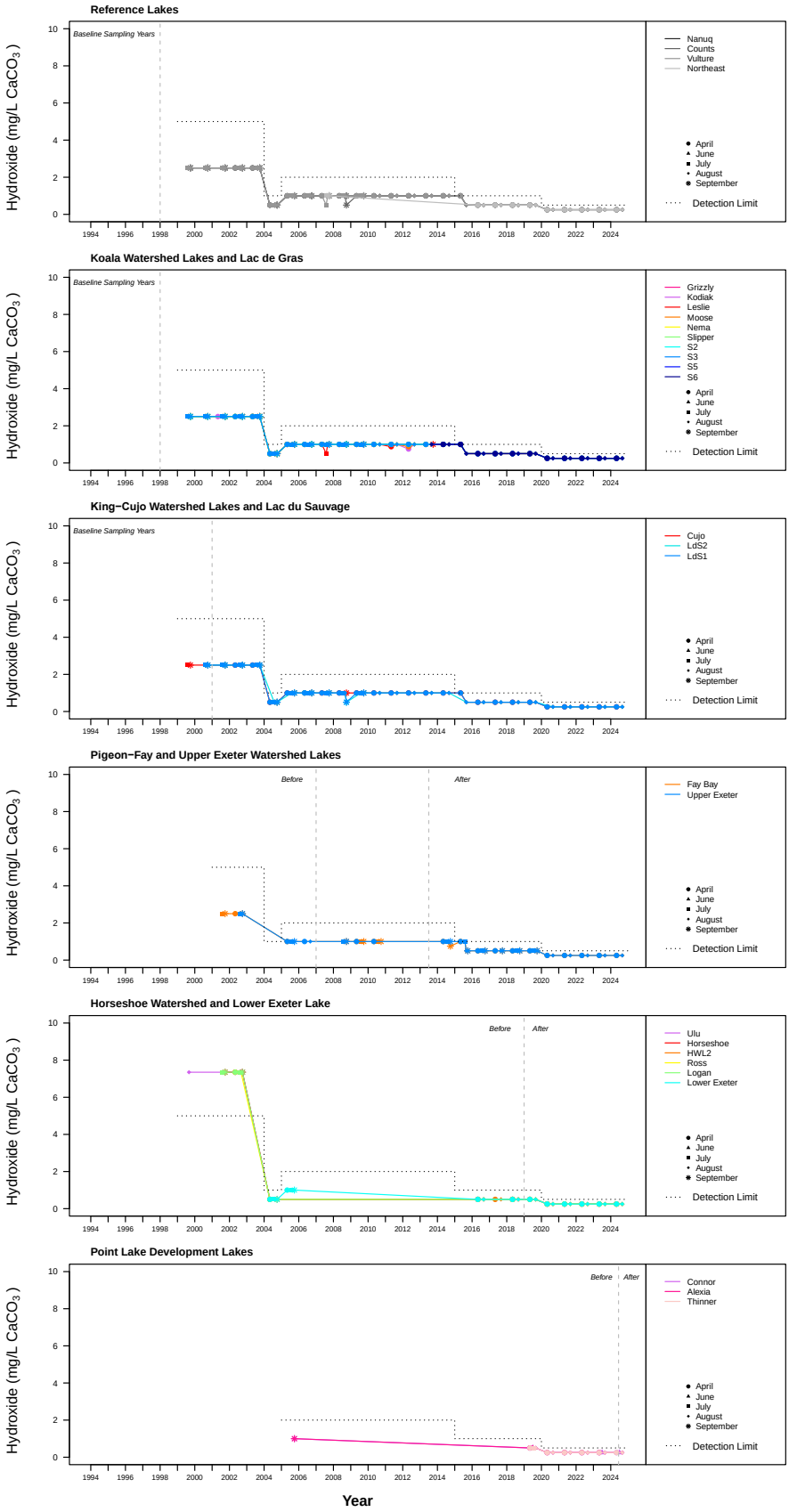
Note: *Dotted lines represent the minimum annual DL through time.*

Figure 5 Carbonate Concentrations for AEMP Lakes, 1994 to 2024



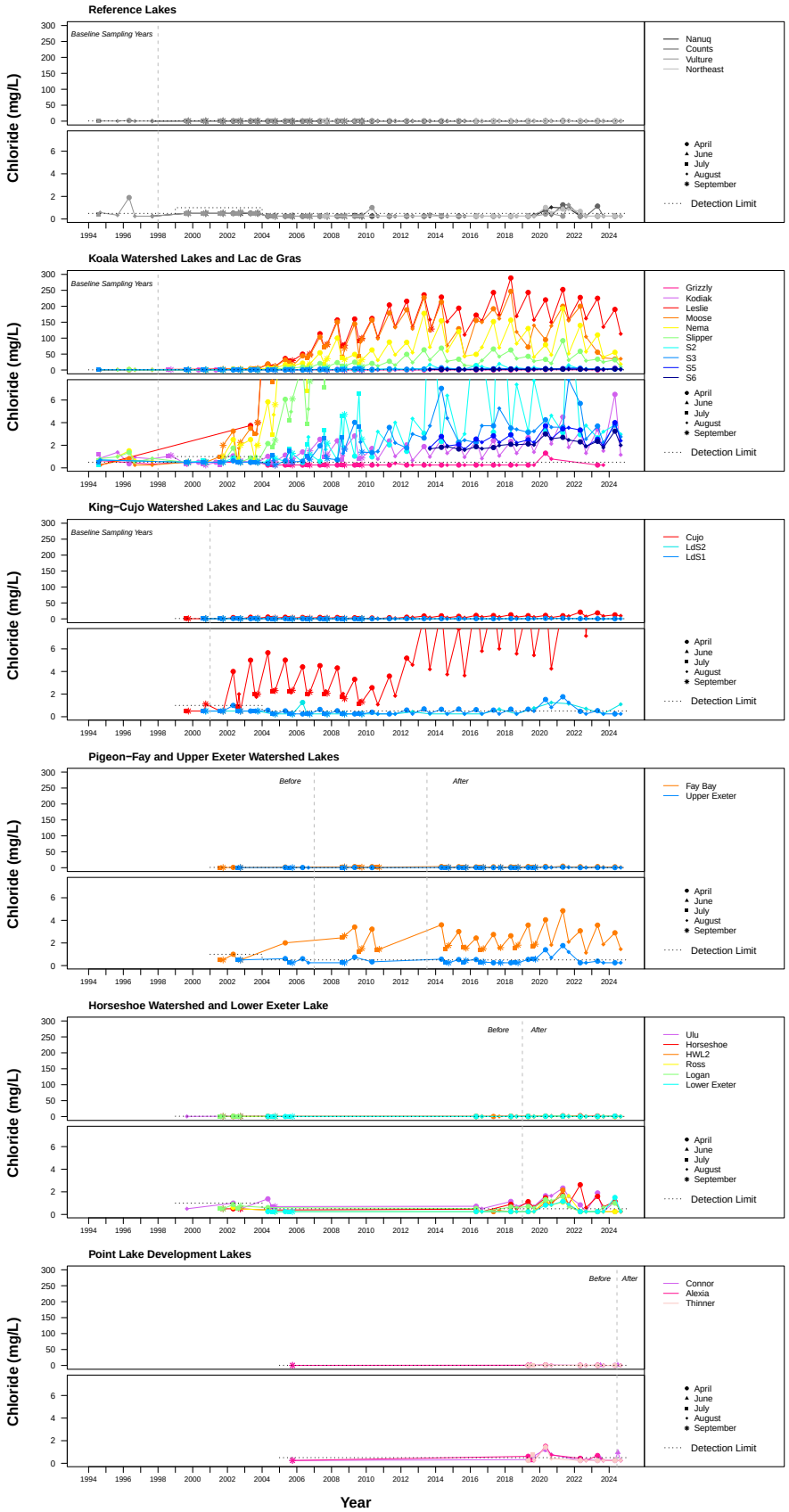
Note: Dotted lines represent the minimum annual DL through time.

Figure 6 Water Hardness for AEMP Lakes, 1994 to 2024



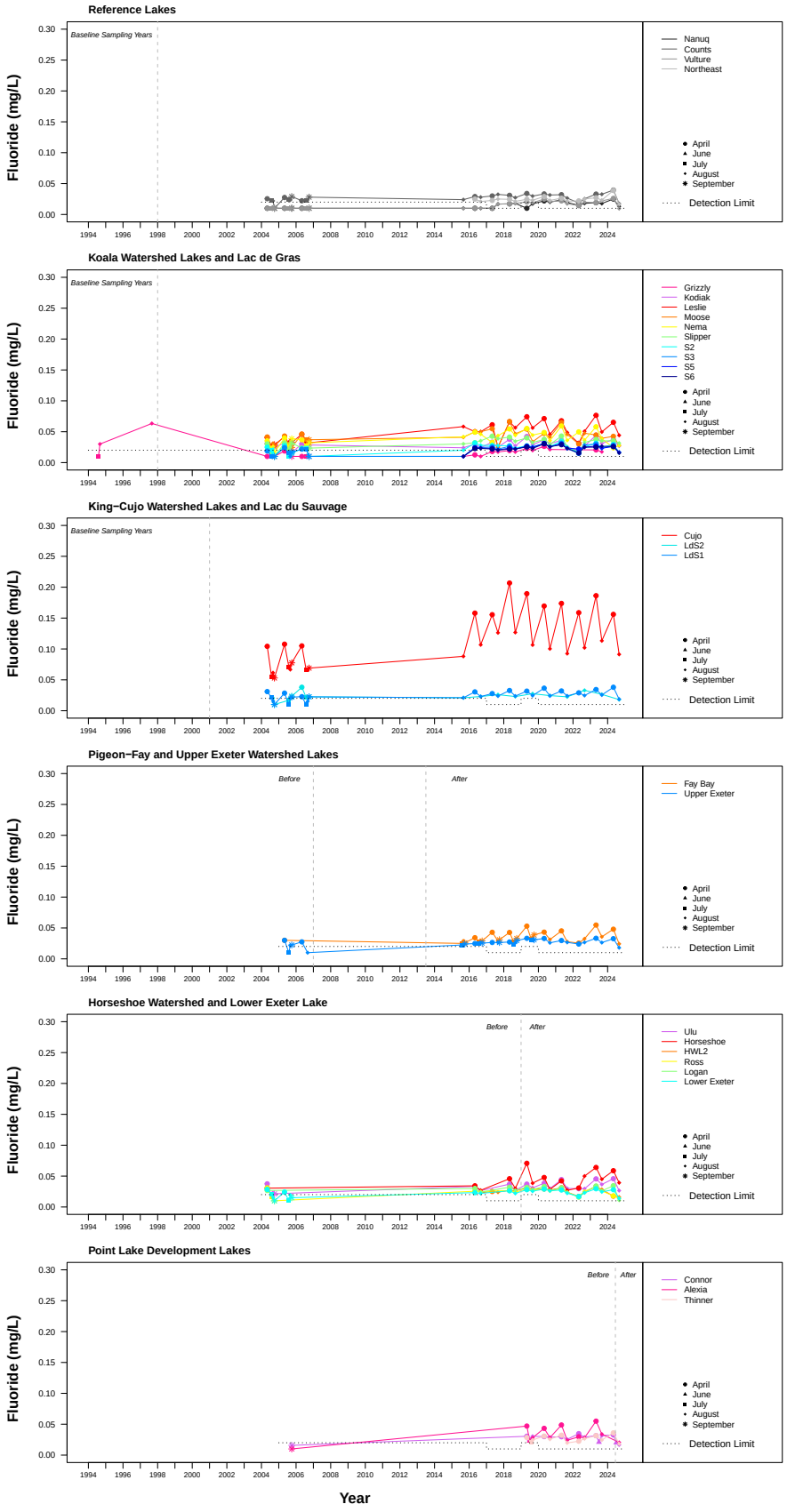
Note: *Dotted lines represent the minimum annual DL through time.*

Figure 7 Hydroxide Concentrations for AEMP Lakes, 1999 to 2024



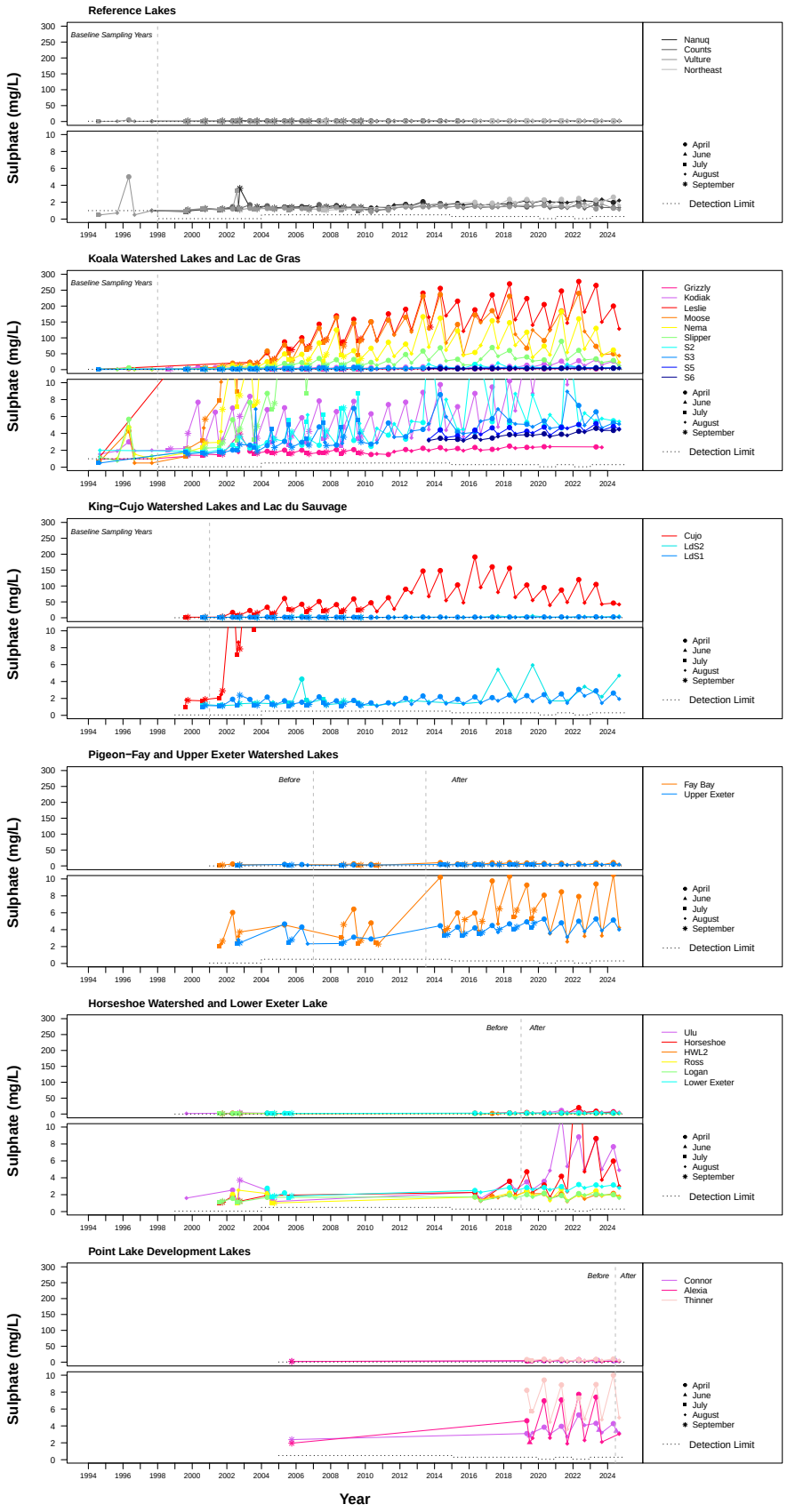
Notes: *Dotted lines represent the minimum annual DL through time.*
*Benchmark = [116.63*ln(hardness)]-204.09 mg/L, where hardness > 10 mg/L but ≤ 160 mg/L*

Figure 8 Chloride Concentrations for AEMP Lakes, 1994 to 2024



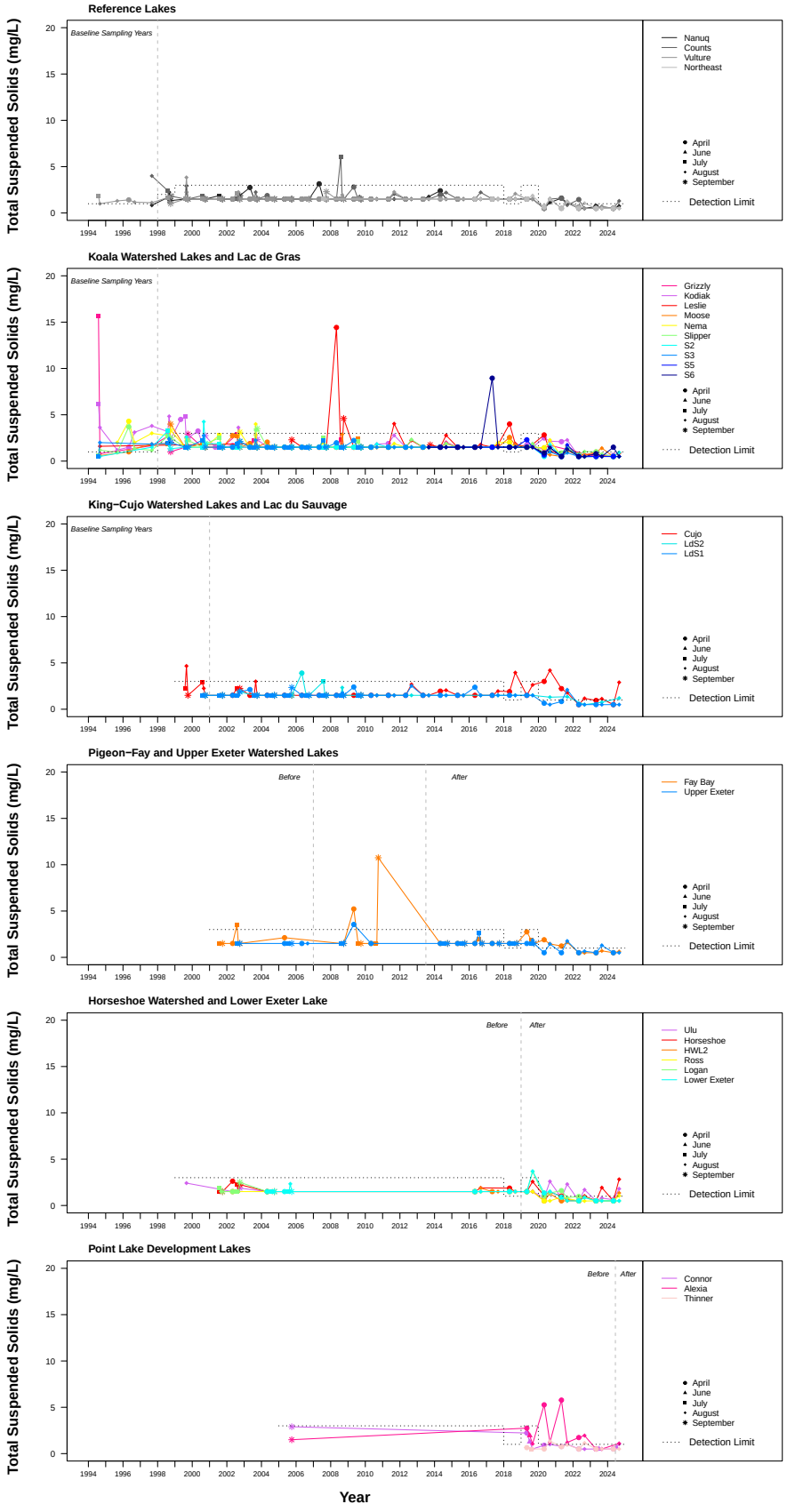
Note: *Dotted lines represent the minimum annual DL through time.*
Benchmark = 1.5 mg/L

Figure 9 Fluoride Concentrations for AEMP Lakes, 1994 to 2024



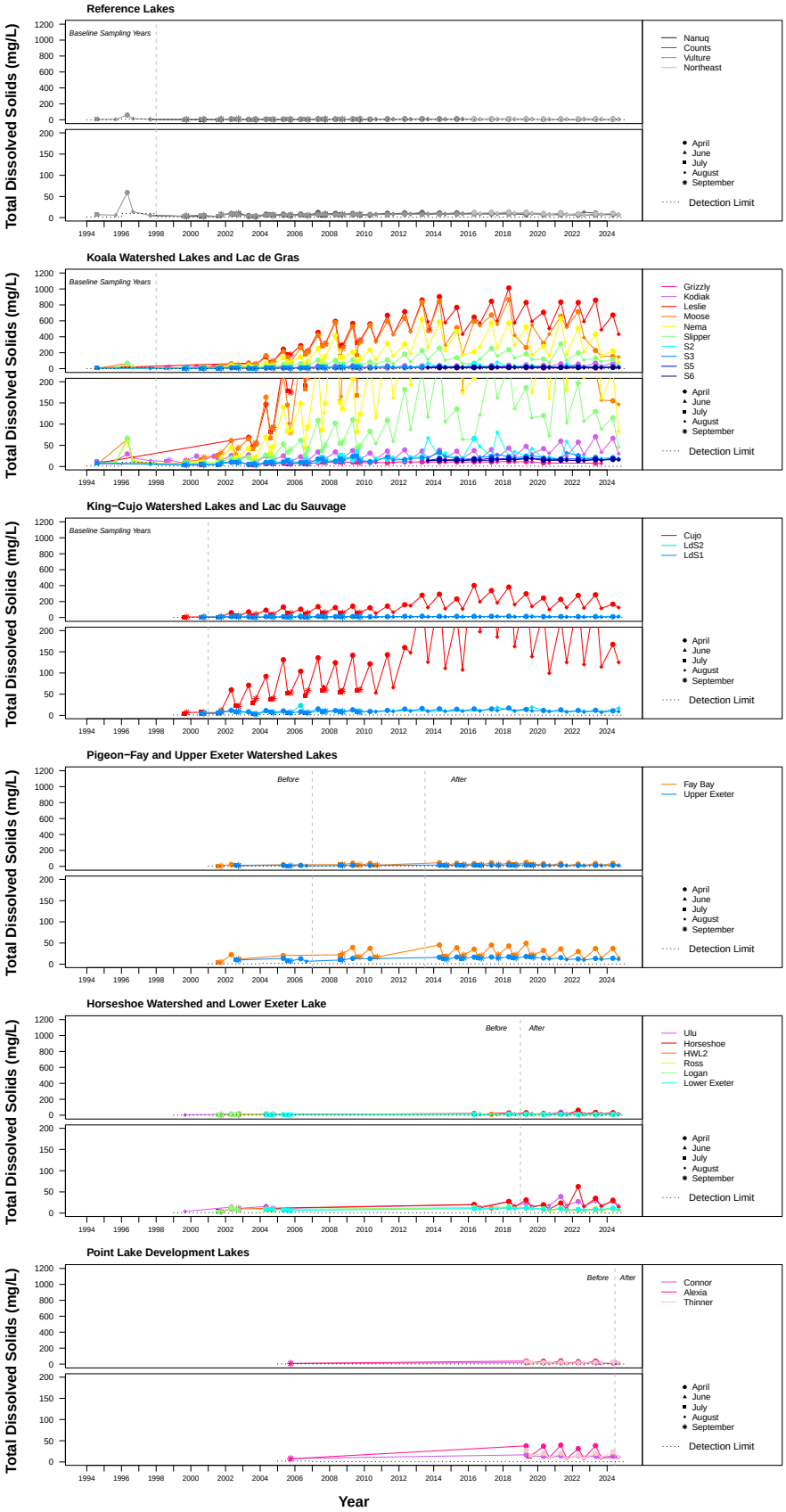
Notes: Dotted lines represent the minimum annual DL through time.
*Benchmark = e(0.9116*ln(hardness)+1.712) mg/L where hardness ≤ 160 mg/L*

Figure 10 Sulphate Concentrations for AEMP Lakes, 1994 to 2024



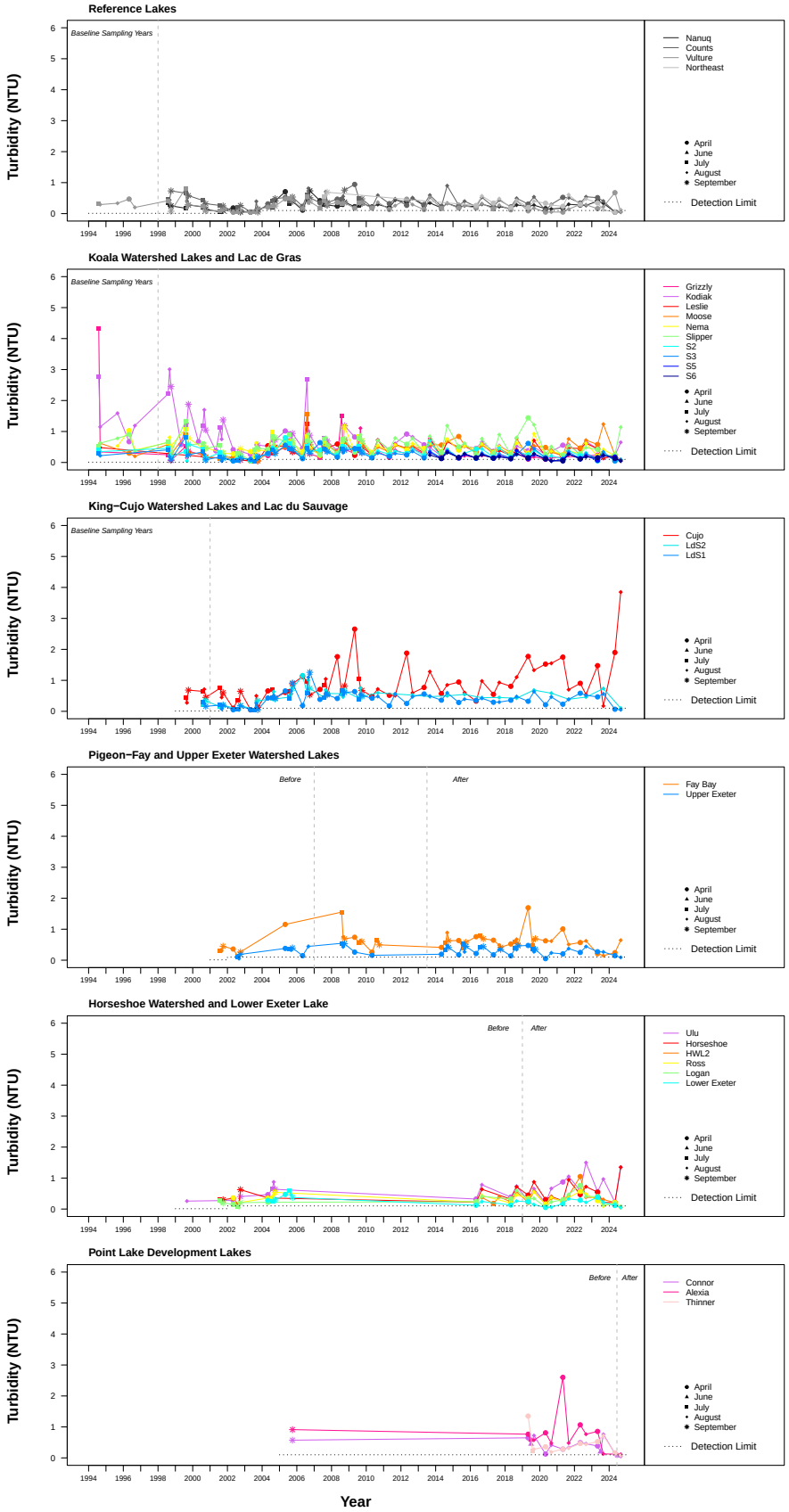
Notes: *Dotted lines represent the minimum annual DL through time.*
Benchmark = lake specific (see Section 2.2.5.1 of Part 1 - Annual Report)

Figure 11 Total Suspended Solids for AEMP Lakes, 1994 to 2024



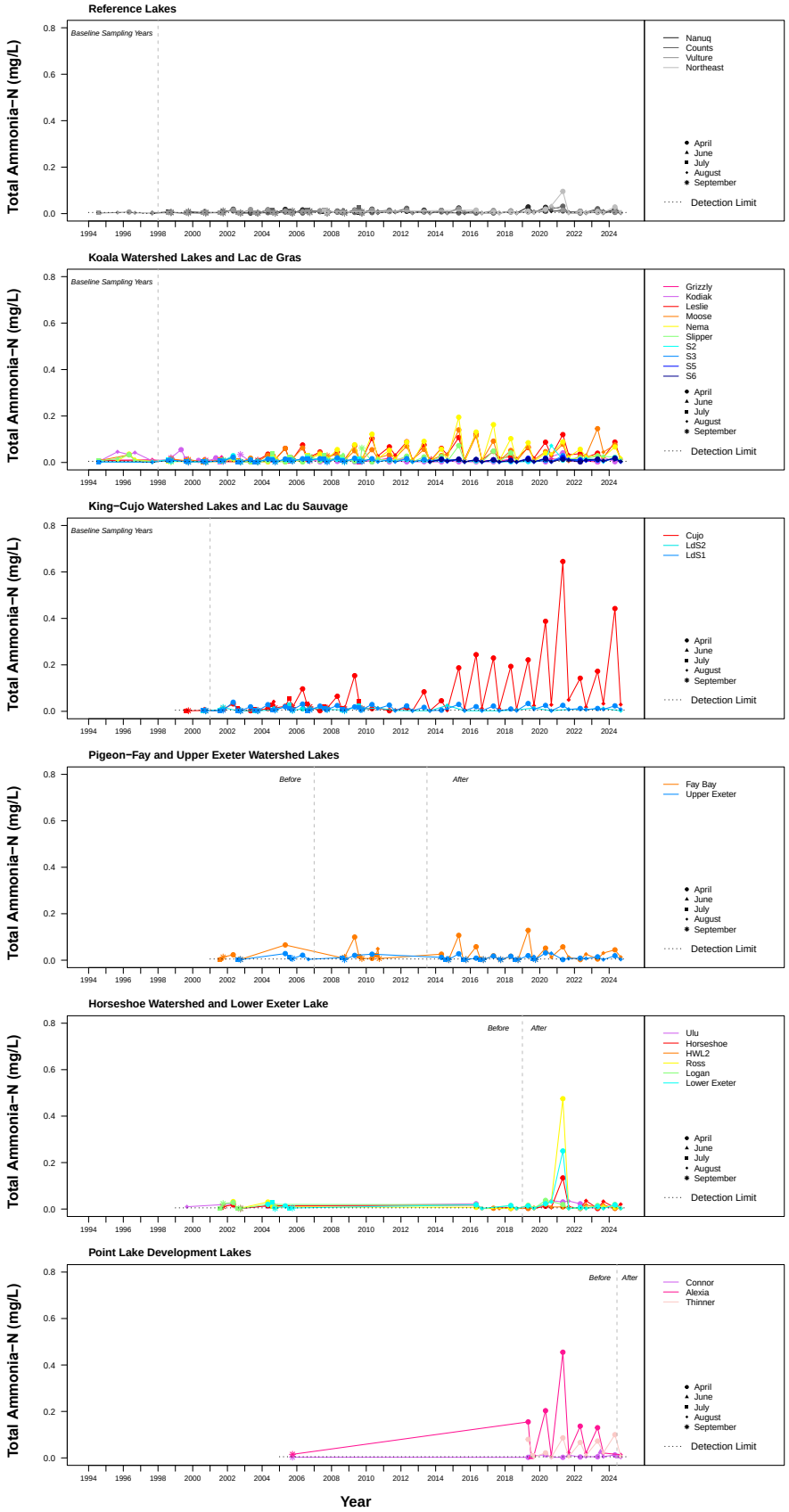
Note: *Dotted lines represent the minimum annual DL through time.*

Figure 12 Total Dissolved Solids for AEMP Lakes, 1994 to 2024



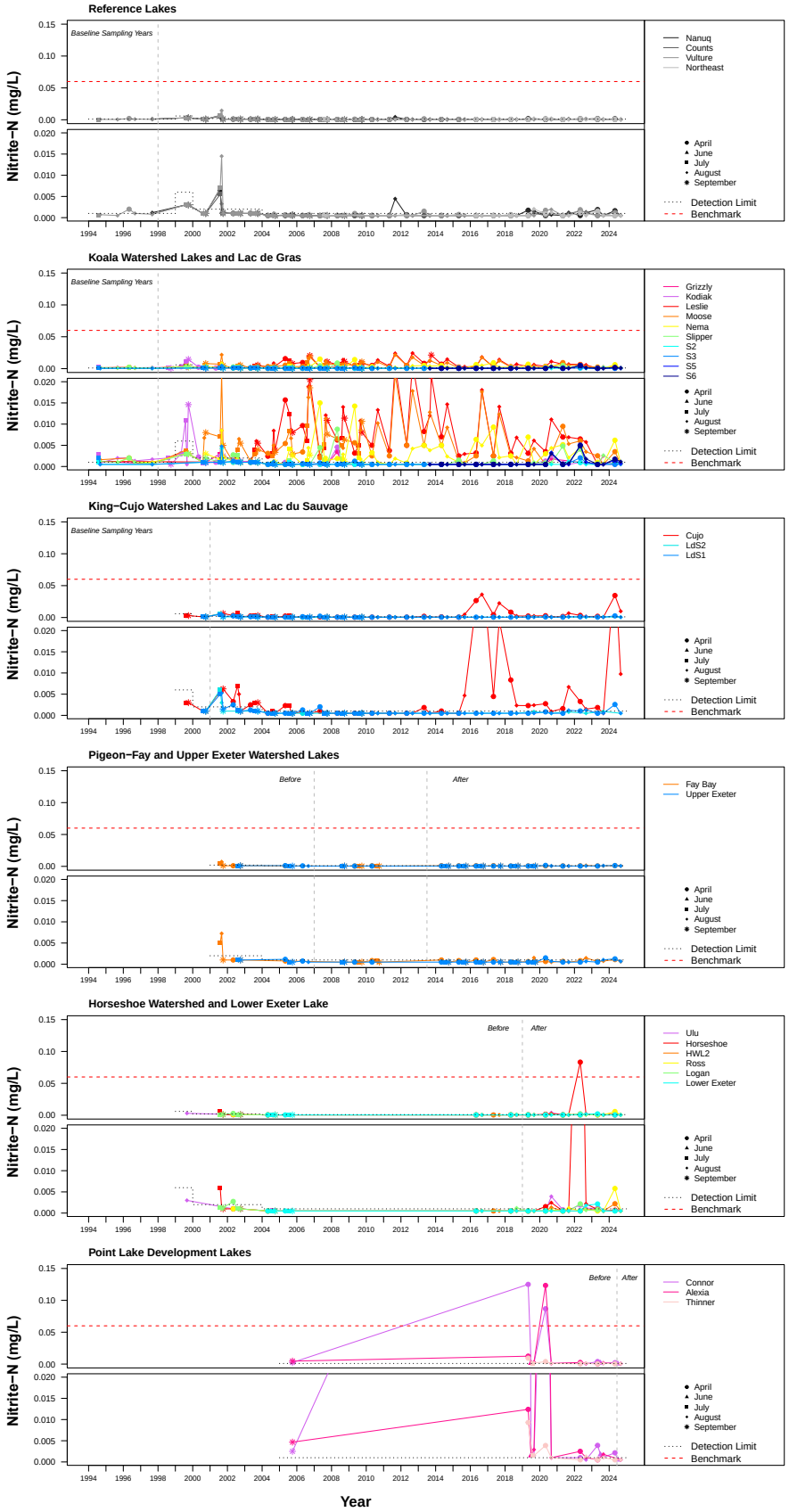
Note: Dotted lines represent the minimum annual DL through time.

Figure 13 Turbidity for AEMP Lakes, 1994 to 2024



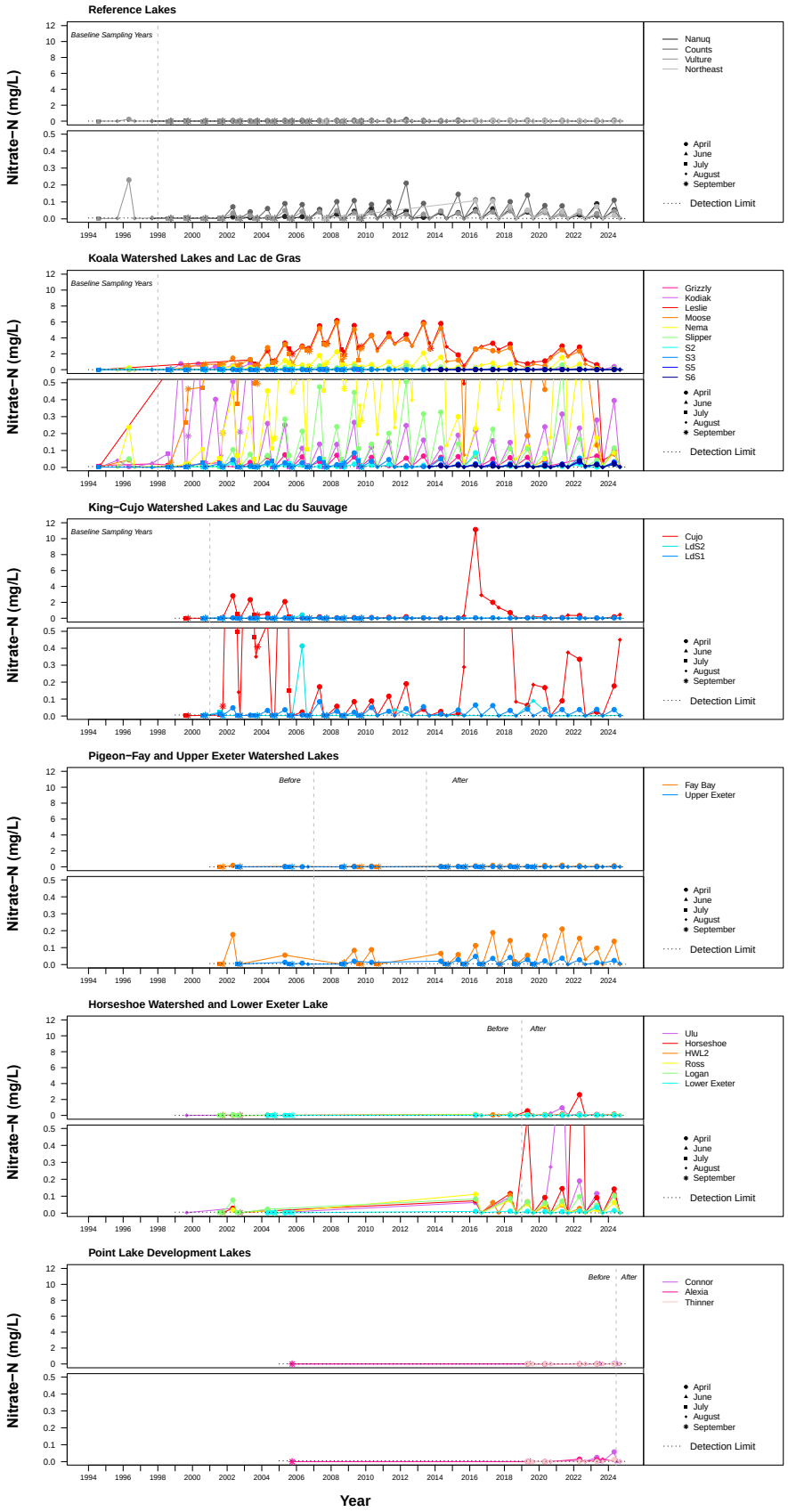
Notes: Dotted lines represent the minimum annual DL through time.
Benchmark = pH and temperature dependent (see Section 2.2.5.1 of Part 1 - Annual Report)

Figure 14 Total Ammonia-N Concentrations for AEMP Lakes, 1994 to 2024



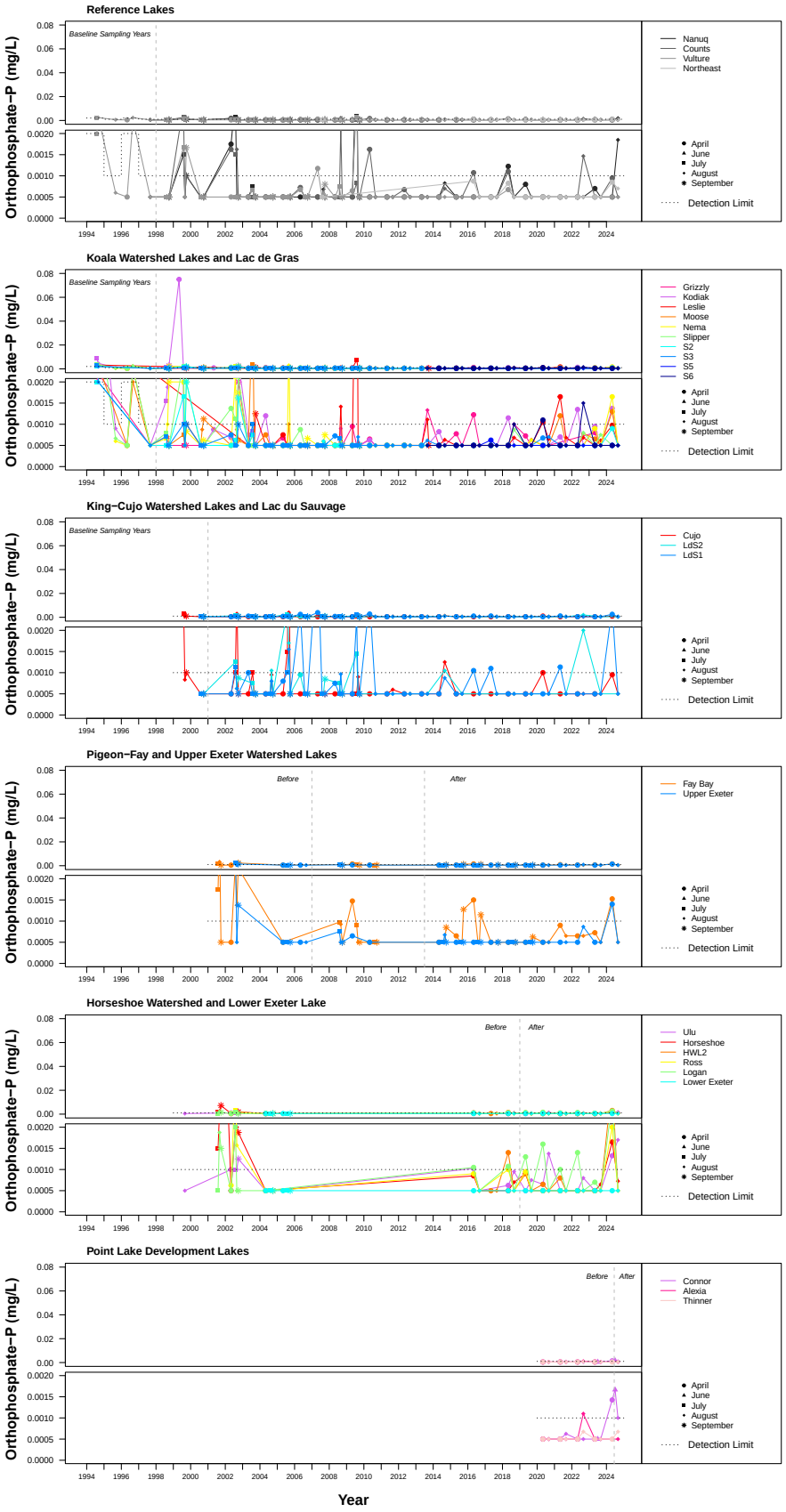
Notes: *Dotted lines represent the minimum annual DL through time.*
Benchmark = 0.06 mg/L

Figure 15 Nitrite-N Concentrations for AEMP Lakes, 1994 to 2024



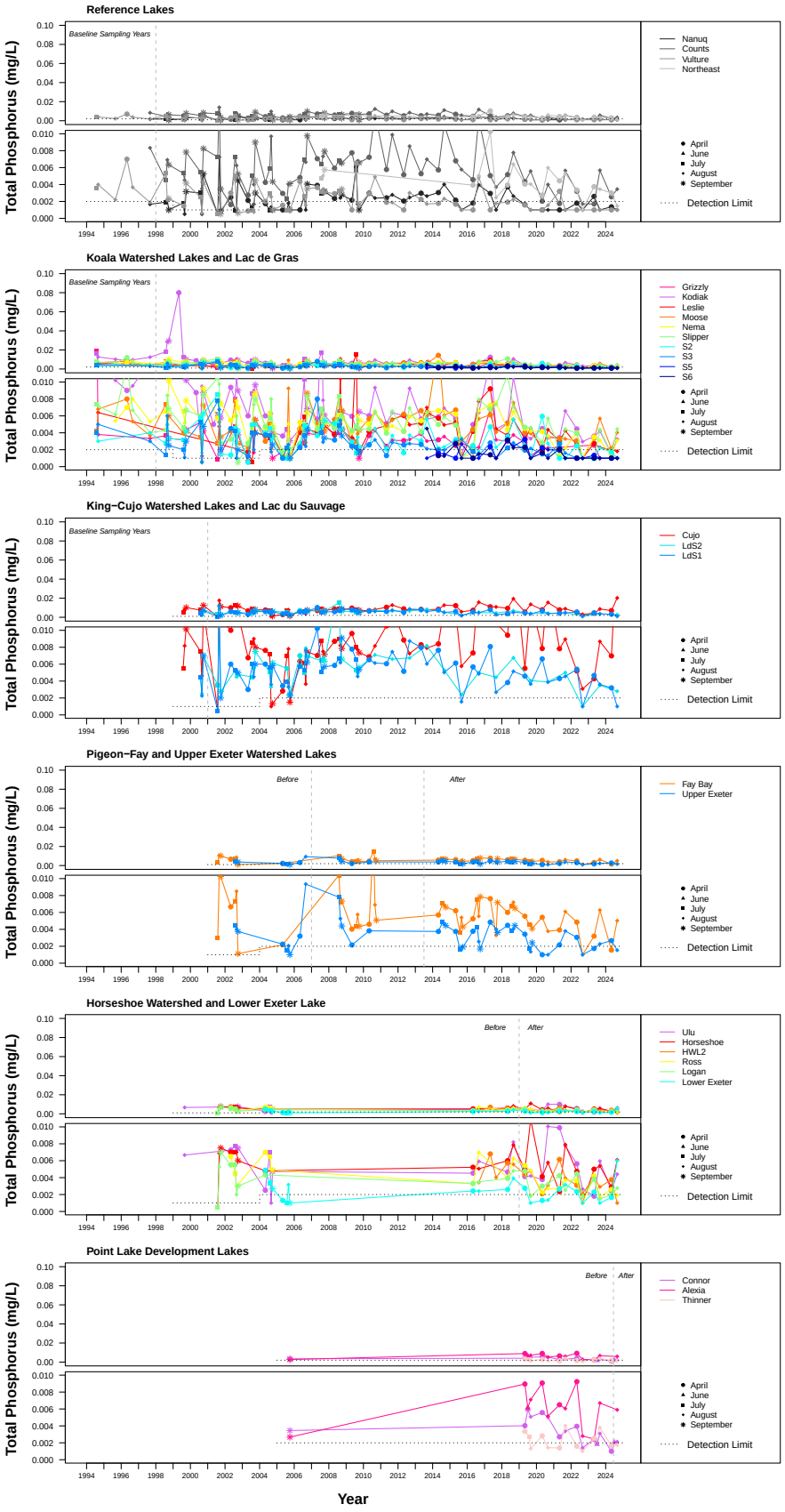
Notes: *Dotted lines represent the minimum annual DL through time.*
*Benchmark = e(0.9518*ln(hardness)-2.032 mg/L) where hardness ≤ 95 mg/L; 10 mg/L (the Canadian drinking water MAC) where hardness > 95 mg/L*

Figure 16 Nitrate-N Concentrations for AEMP Lakes, 1994 to 2024



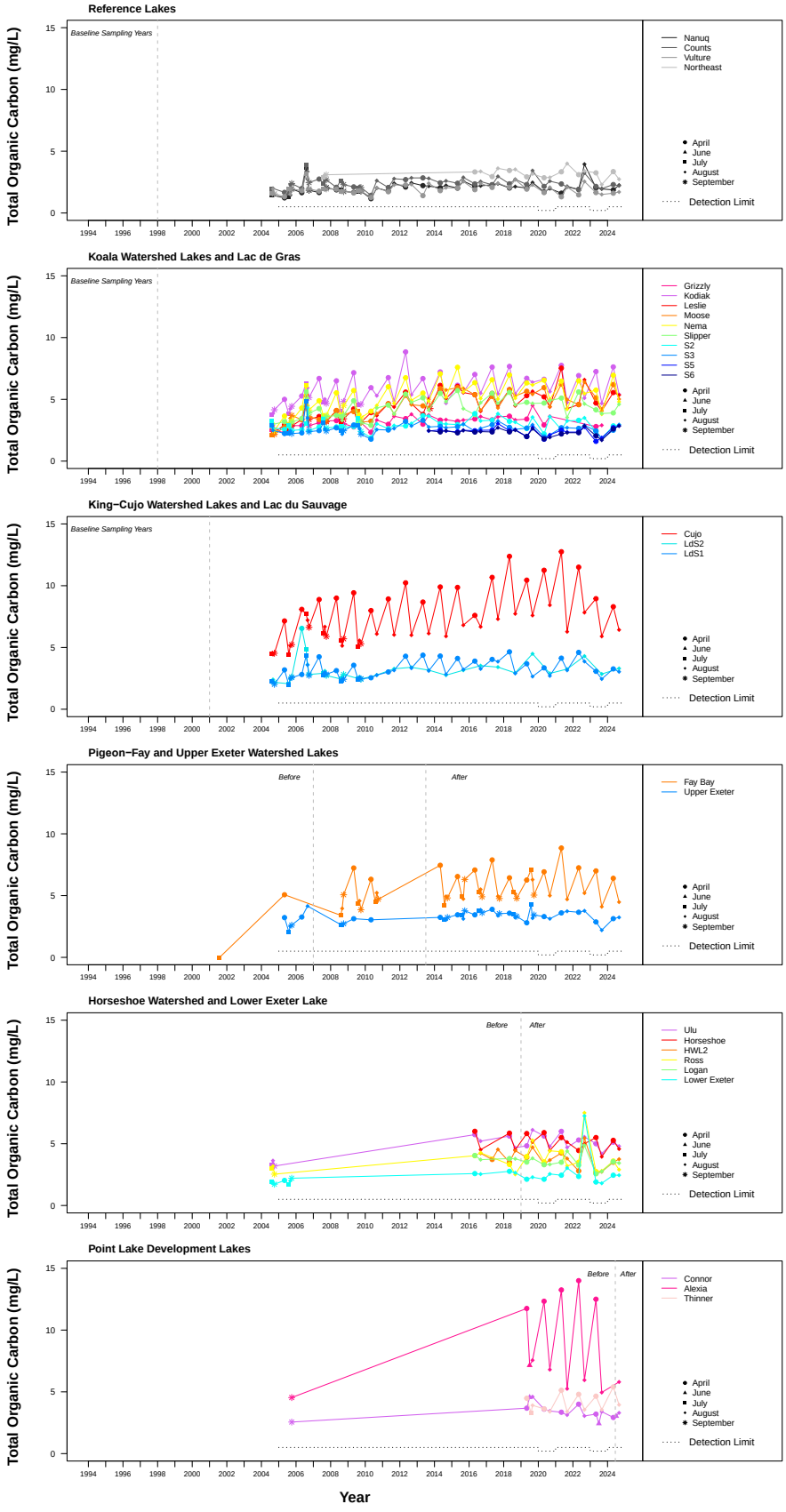
Note: *Dotted lines represent the minimum annual DL through time.*

Figure 17 Orthophosphate-P Concentrations for AEMP Lakes, 1994 to 2024



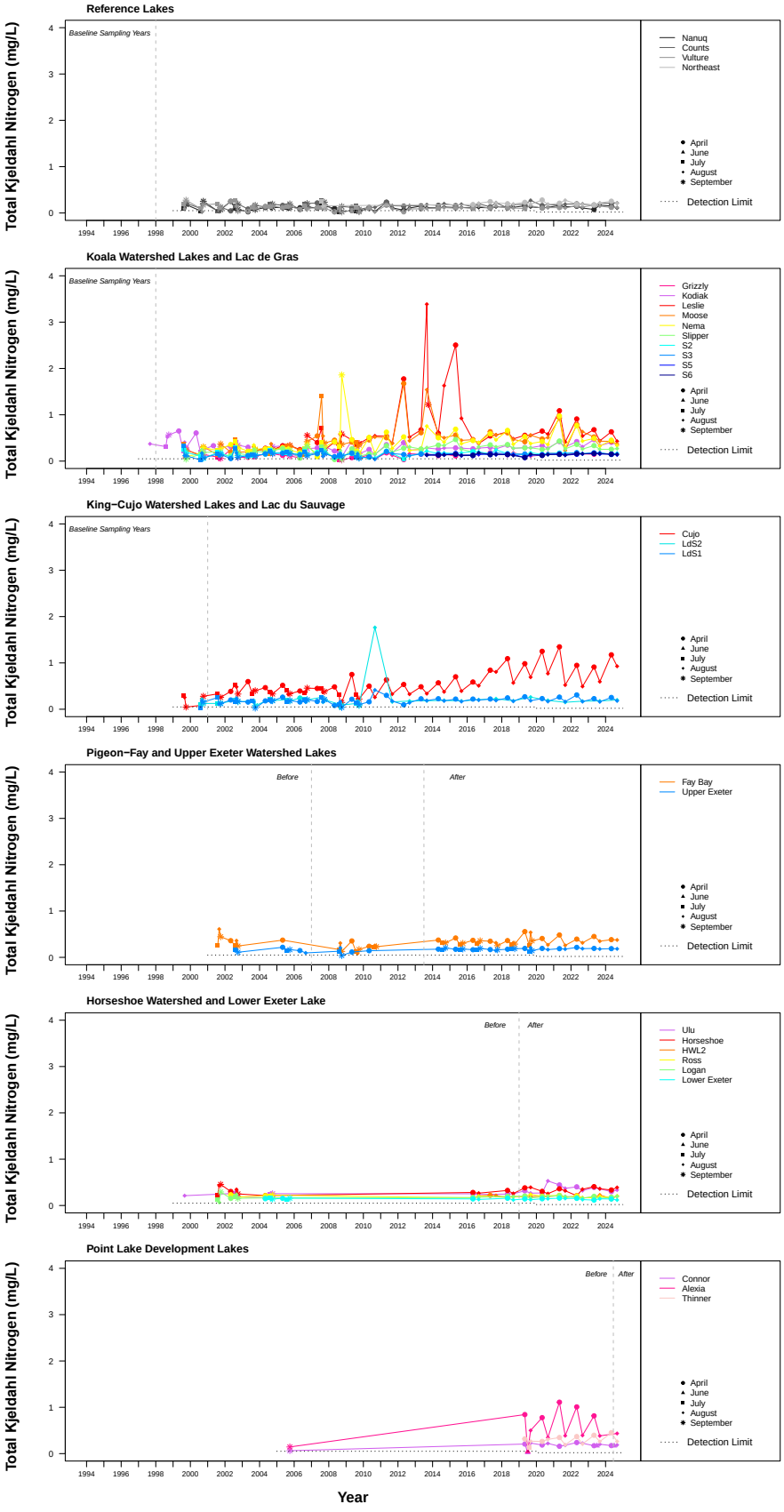
Notes: *Dotted lines represent the minimum annual DL through time.*
Benchmark = lake specific (see Section 2.2.5.1 of Part 1 - Annual Report)

Figure 18 Total Phosphorus Concentrations for AEMP Lakes, 1994 to 2024



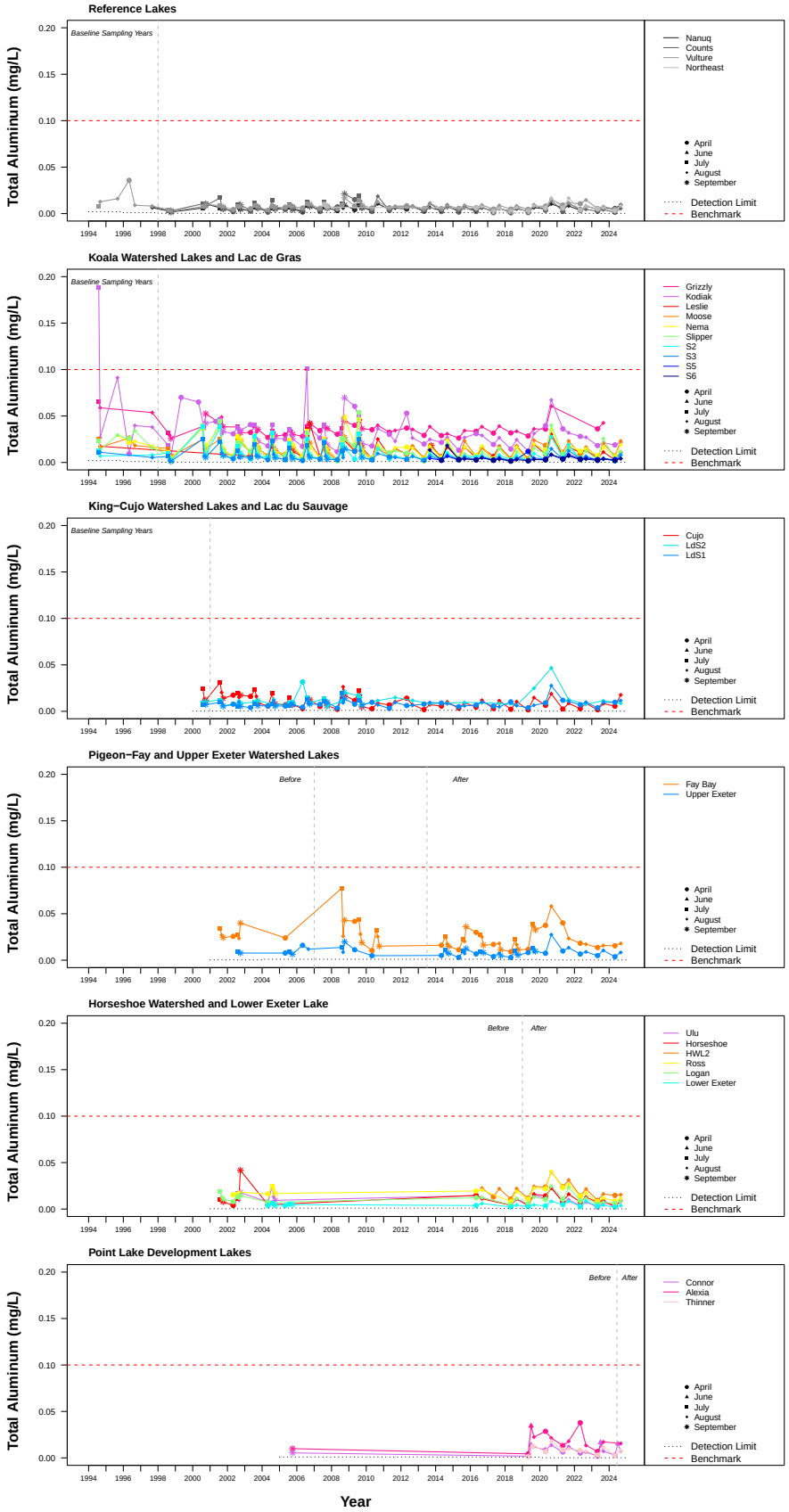
Note: Dotted lines represent the minimum annual DL through time.

Figure 19 Total Organic Carbon Concentrations for AEMP Lakes, 2001 to 2024



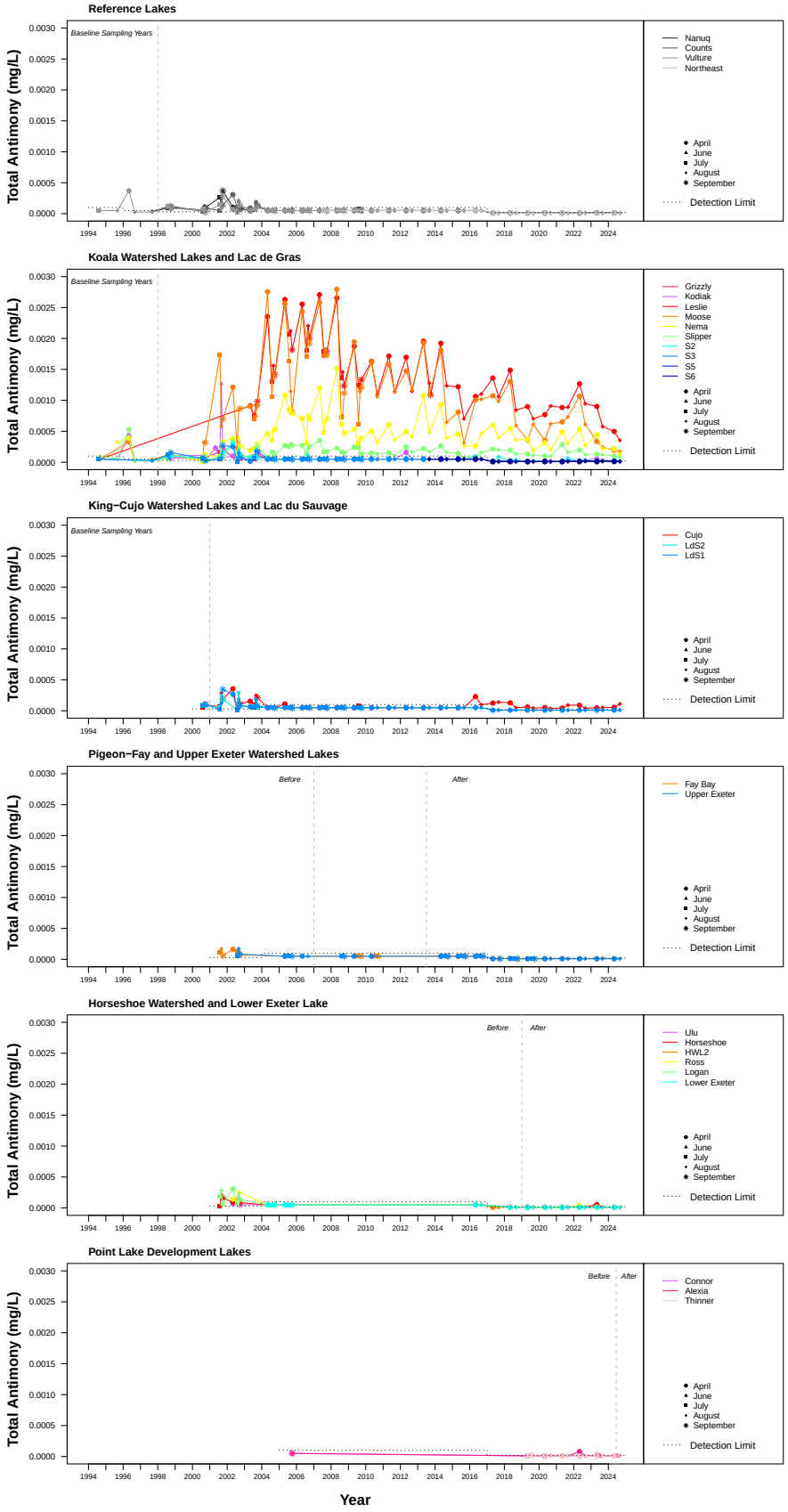
Note: Dotted lines represent the minimum annual DL through time.

Figure 20 Total Kjeldhal Nitrogen Concentrations for AEMP Lakes, 1997 to 2024



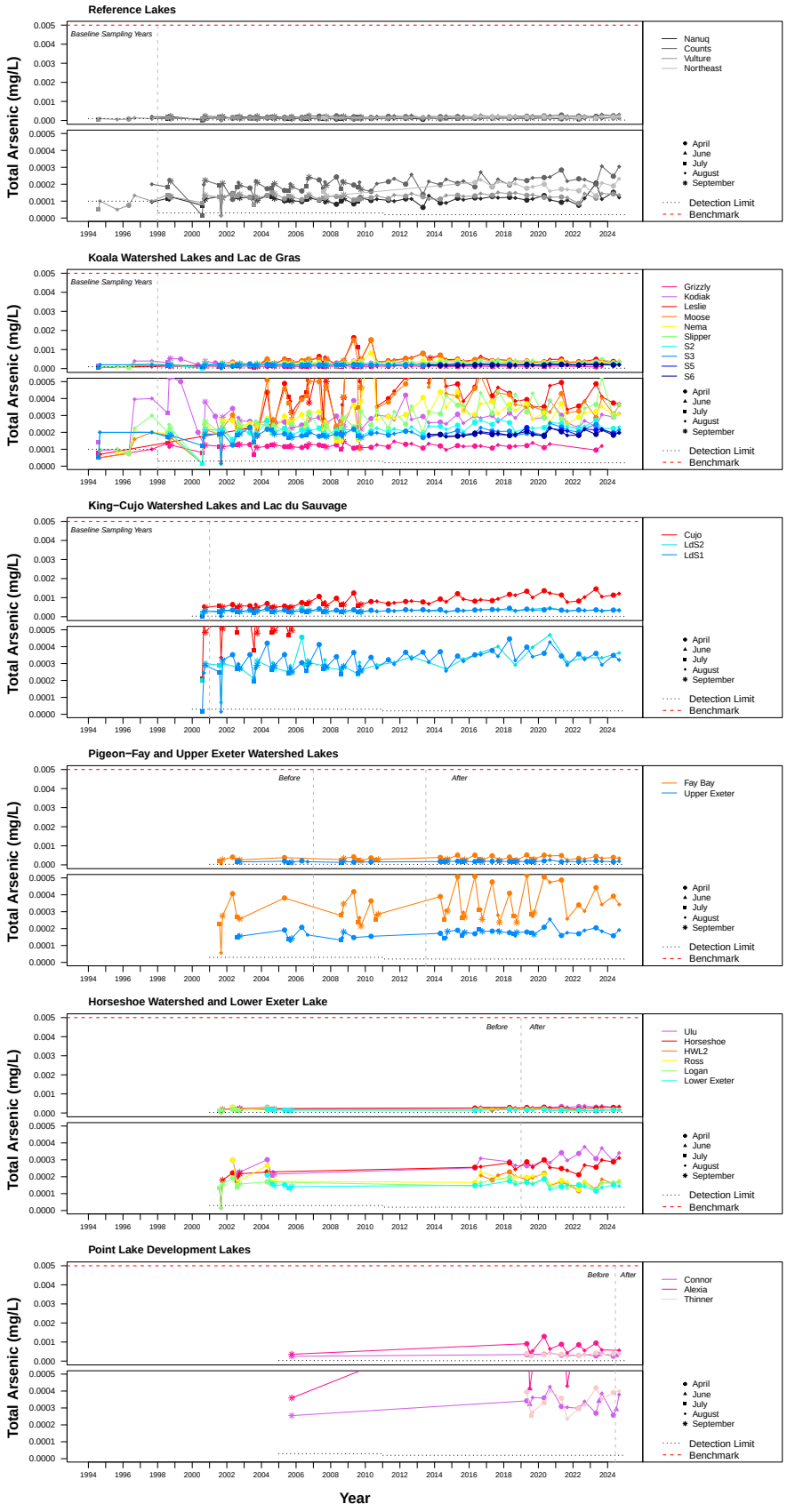
Notes: Dotted lines represent the minimum annual DL through time.
Benchmark = 0.1 mg/L

Figure 21 Total Aluminum Concentrations for AEMP Lakes, 1994 to 2024



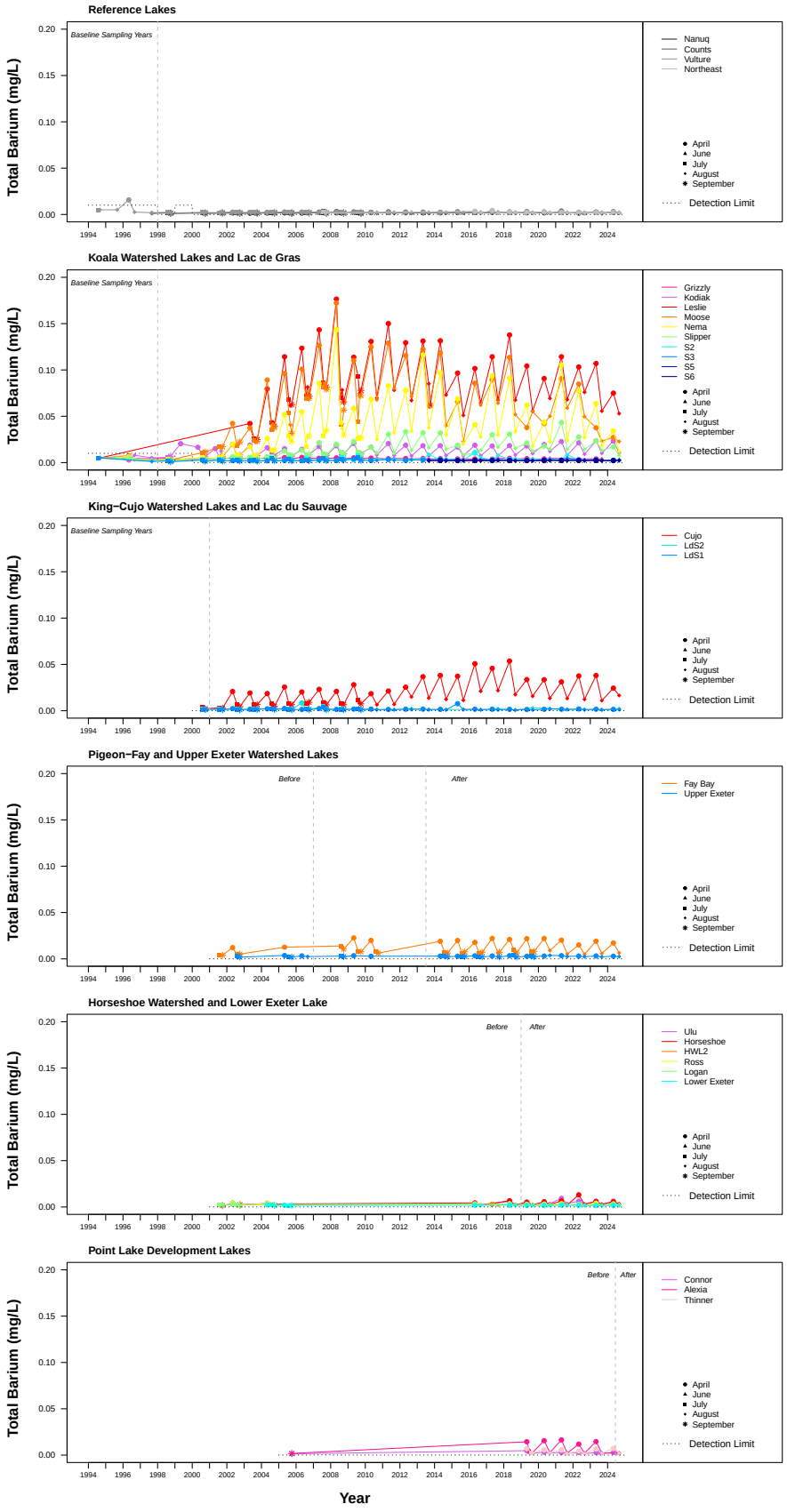
Notes: Dotted lines represent the minimum annual DL through time.
Benchmark = 0.006 mg/L

Figure 22 Total Antimony Concentrations for AEMP Lakes, 1994 to 2024



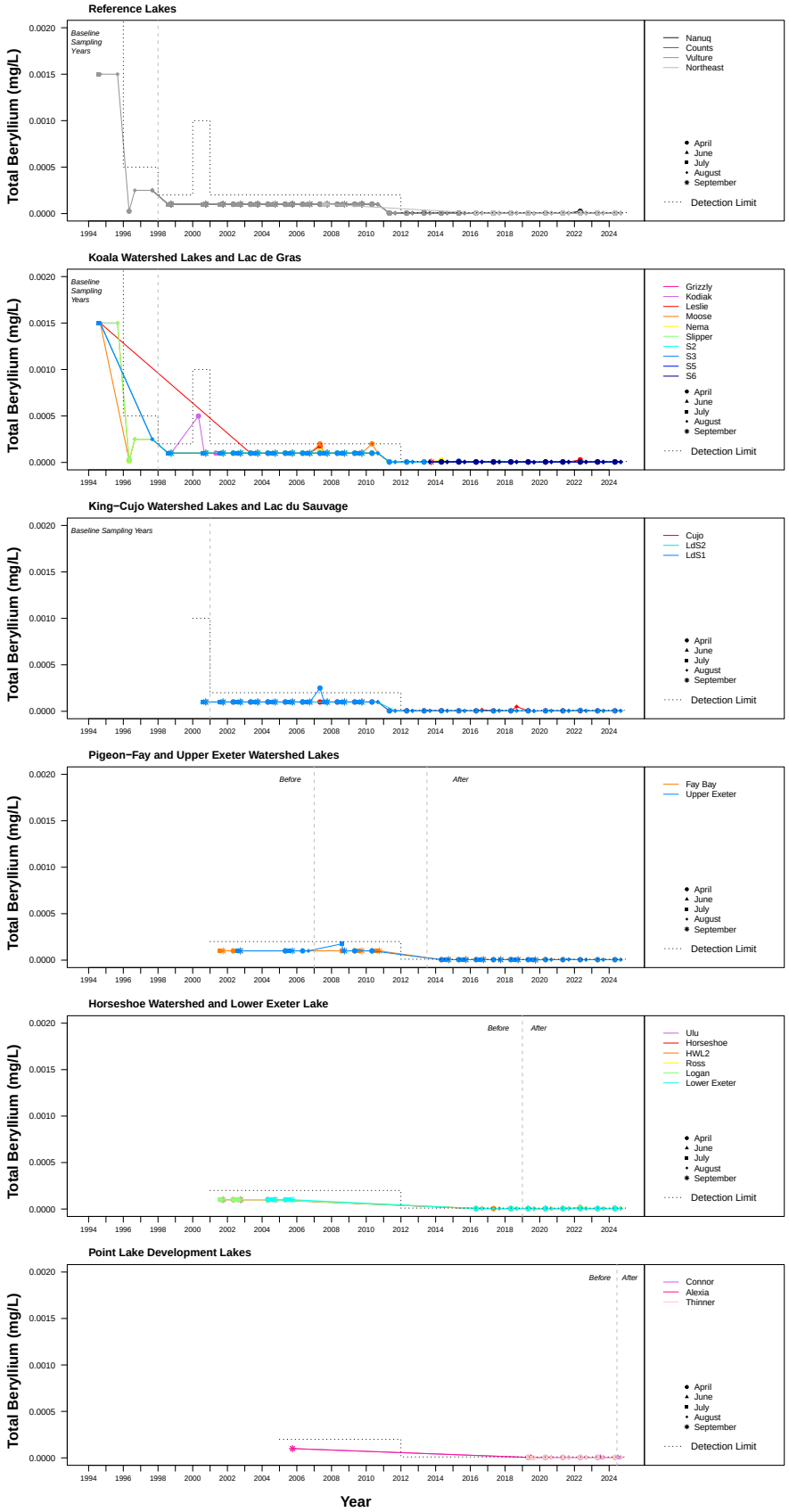
Notes: Dotted lines represent the minimum annual DL through time.
Benchmark = 0.005 mg/L

Figure 23 Total Arsenic Concentrations for AEMP Lakes, 1994 to 2024



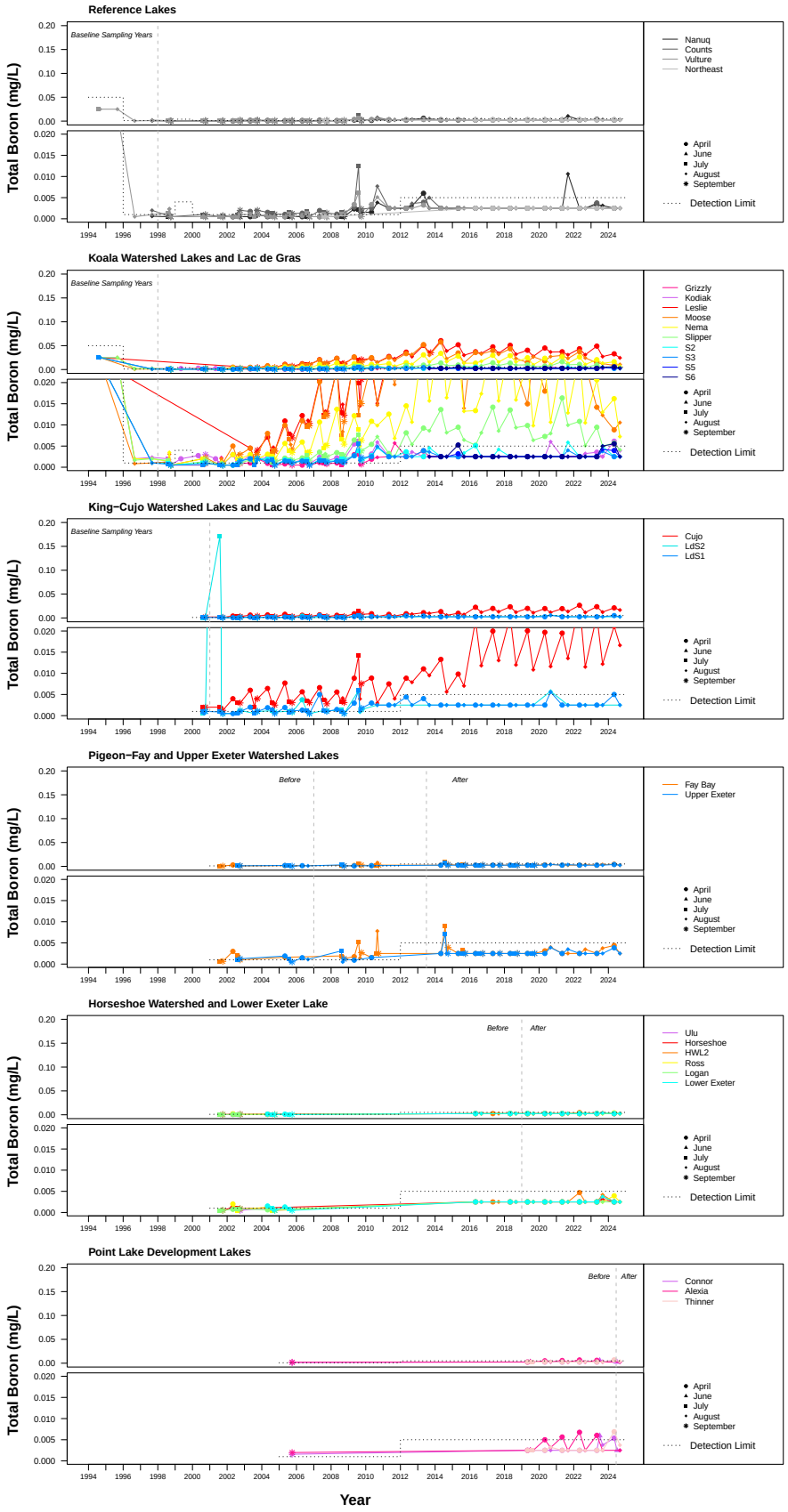
Notes: *Dotted lines represent the minimum annual DL through time.*
Benchmark = 1 mg/L

Figure 24 Total Barium Concentrations for AEMP Lakes, 1994 to 2024



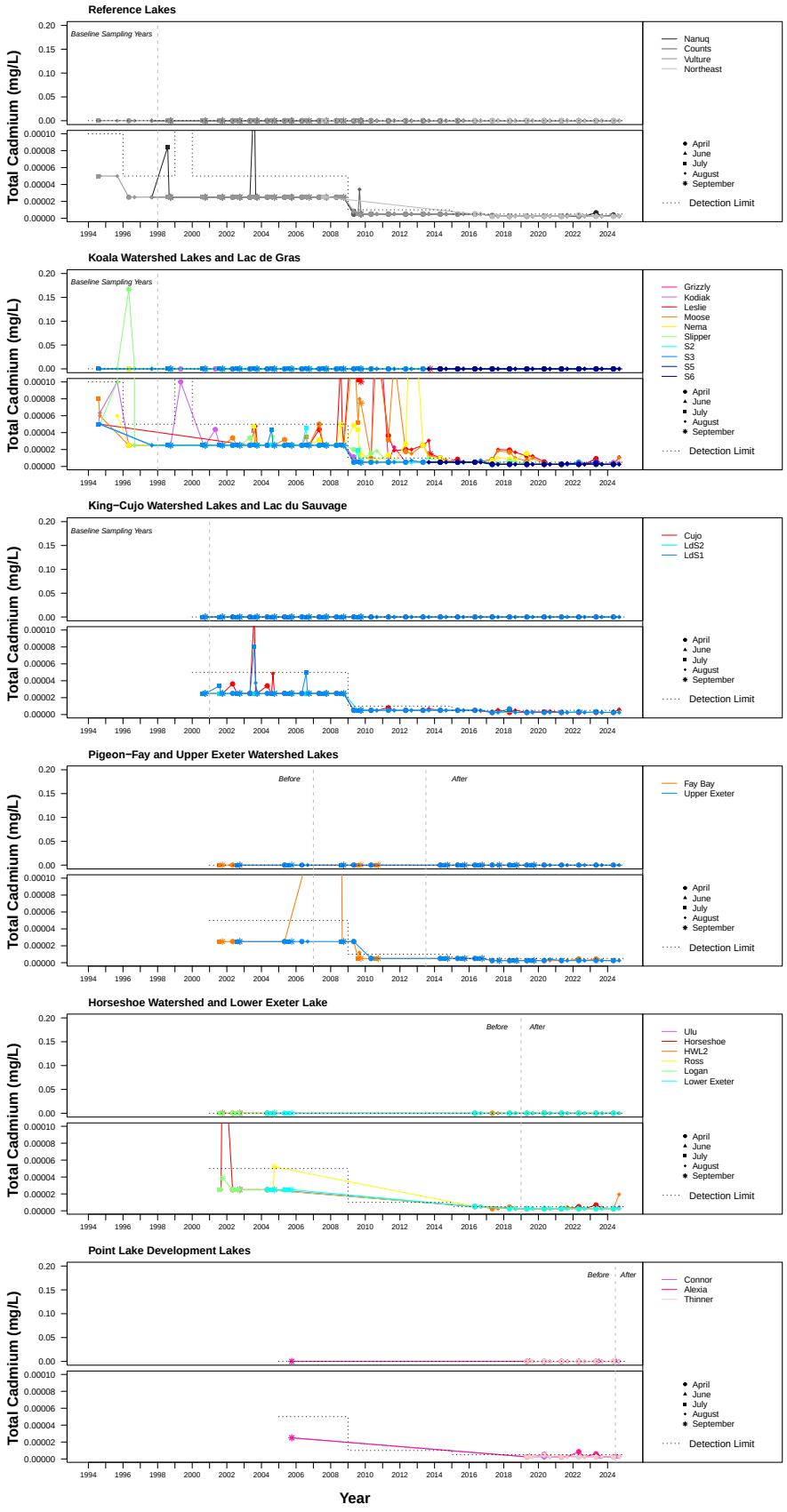
Note: Dotted lines represent the minimum annual DL through time.

Figure 25 Total Beryllium Concentrations for AEMP Lakes, 1994 to 2024



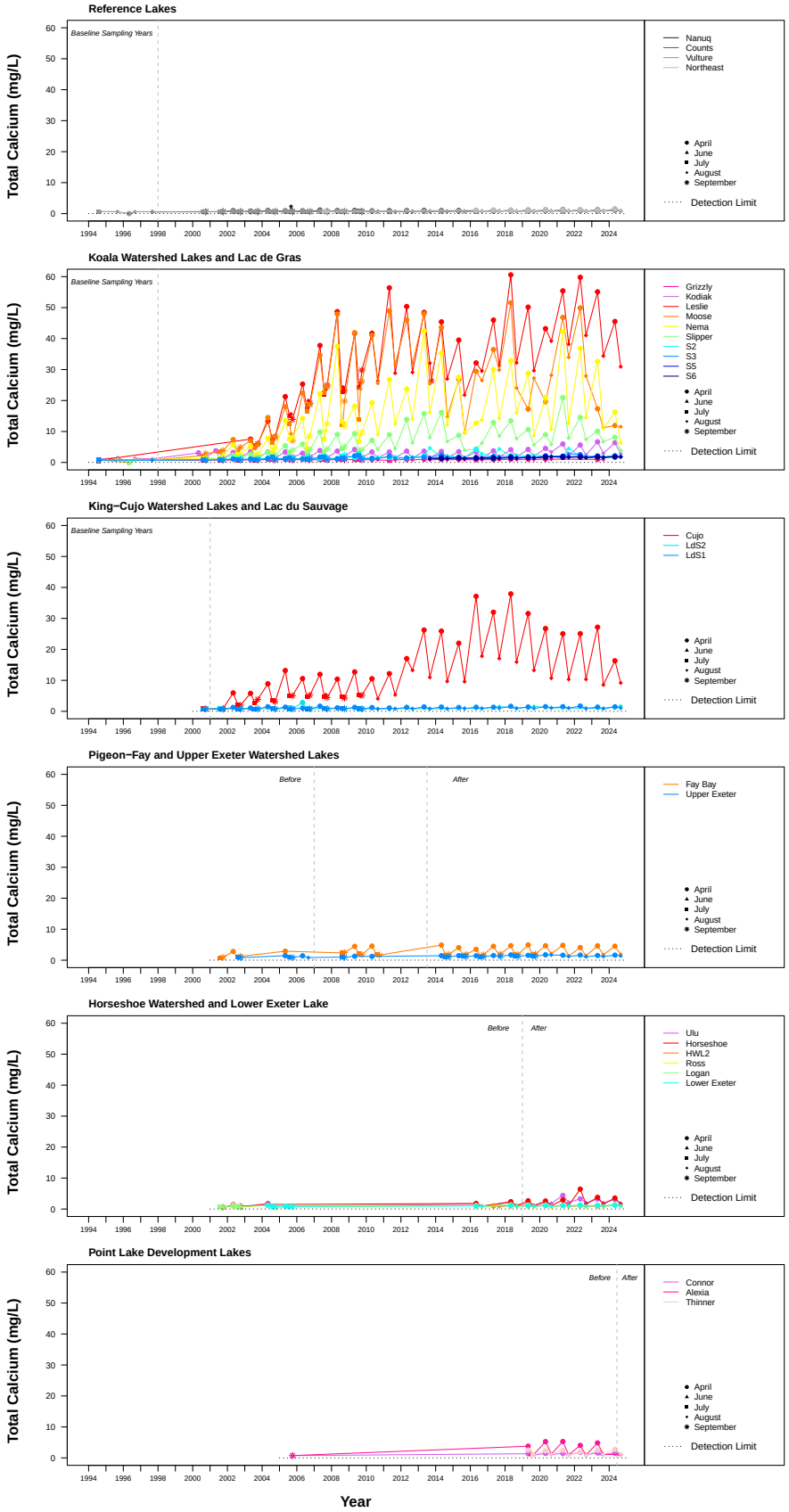
Notes: *Dotted lines represent the minimum annual DL through time.*
Benchmark = 1.5 mg/L

Figure 26 Total Boron Concentrations for AEMP Lakes, 1994 to 2024



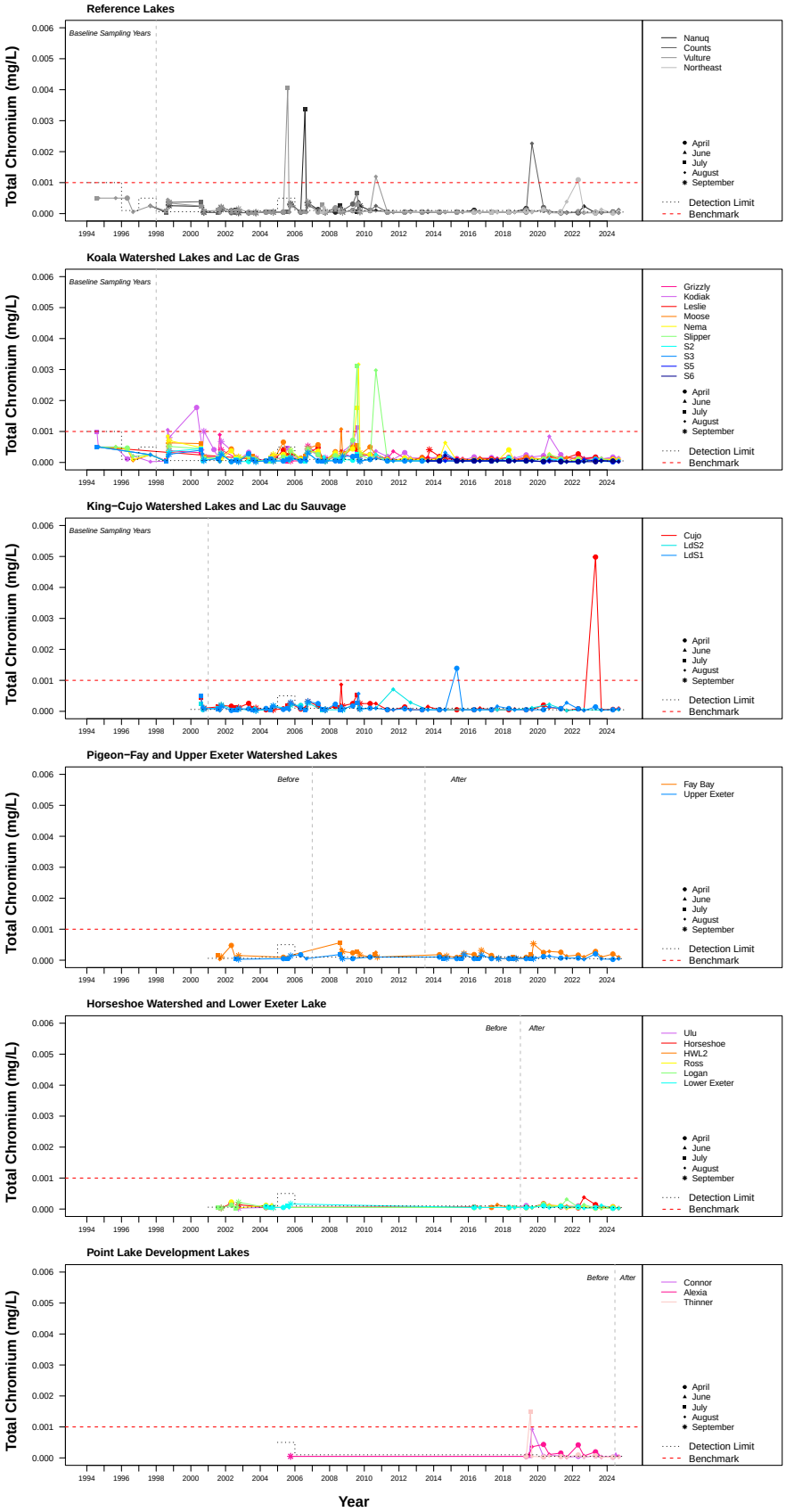
Notes: *Dotted lines represent the minimum annual DL through time.*
*Benchmark = 10^(0.83*log10(hardness)-2.46)/1,000 mg/L where hardness > 16 mg/L but ≤ 280 mg/L; 0.00004 mg/L where hardness ≤ 16 mg/L; 0.00037 mg/L where hardness > 280 mg/L*

Figure 27 Total Cadmium Concentrations for AEMP Lakes, 1994 to 2024



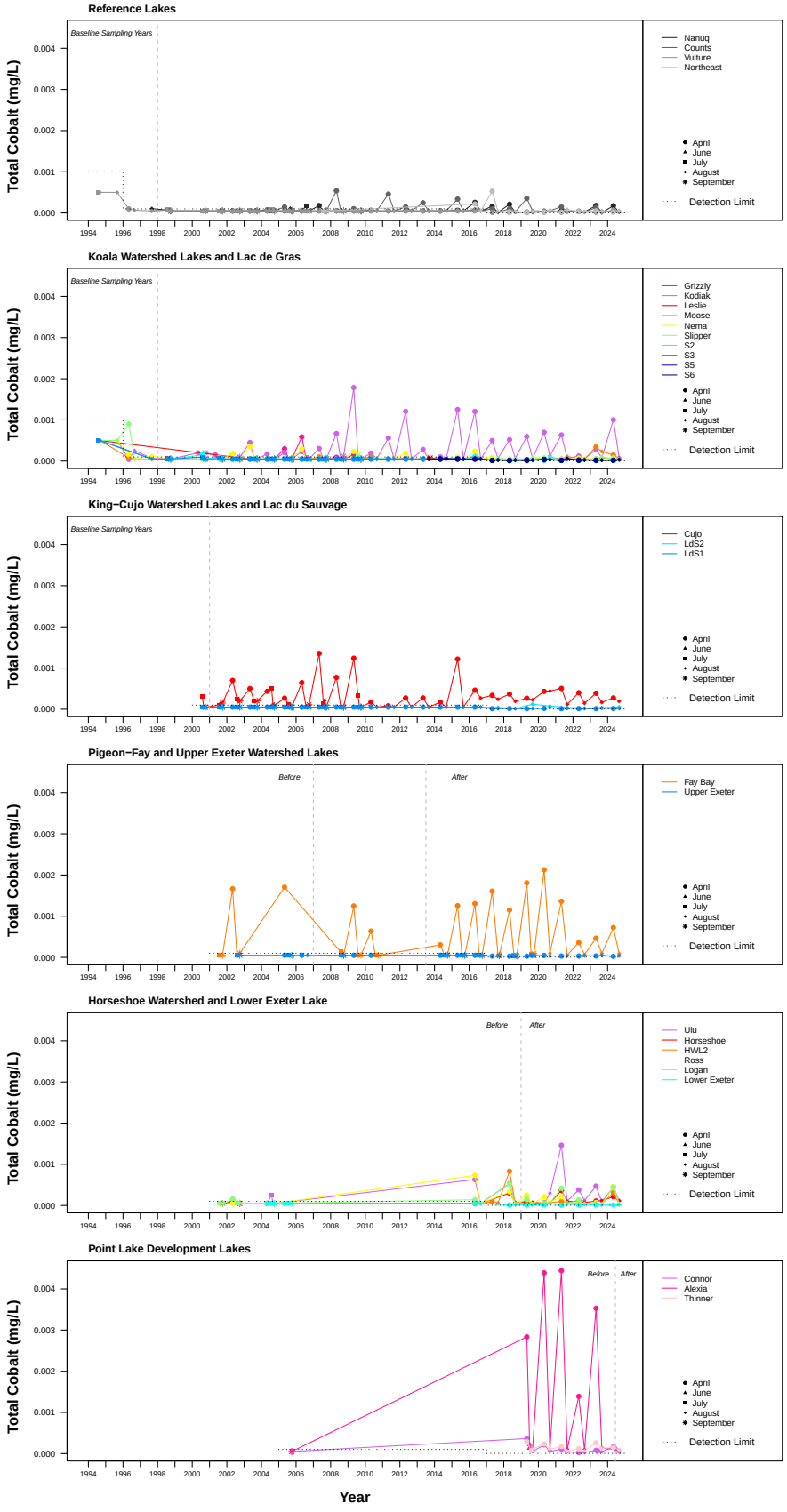
Note: Dotted lines represent the minimum annual DL through time.

Figure 28 Total Calcium Concentrations for AEMP Lakes, 1994 to 2024



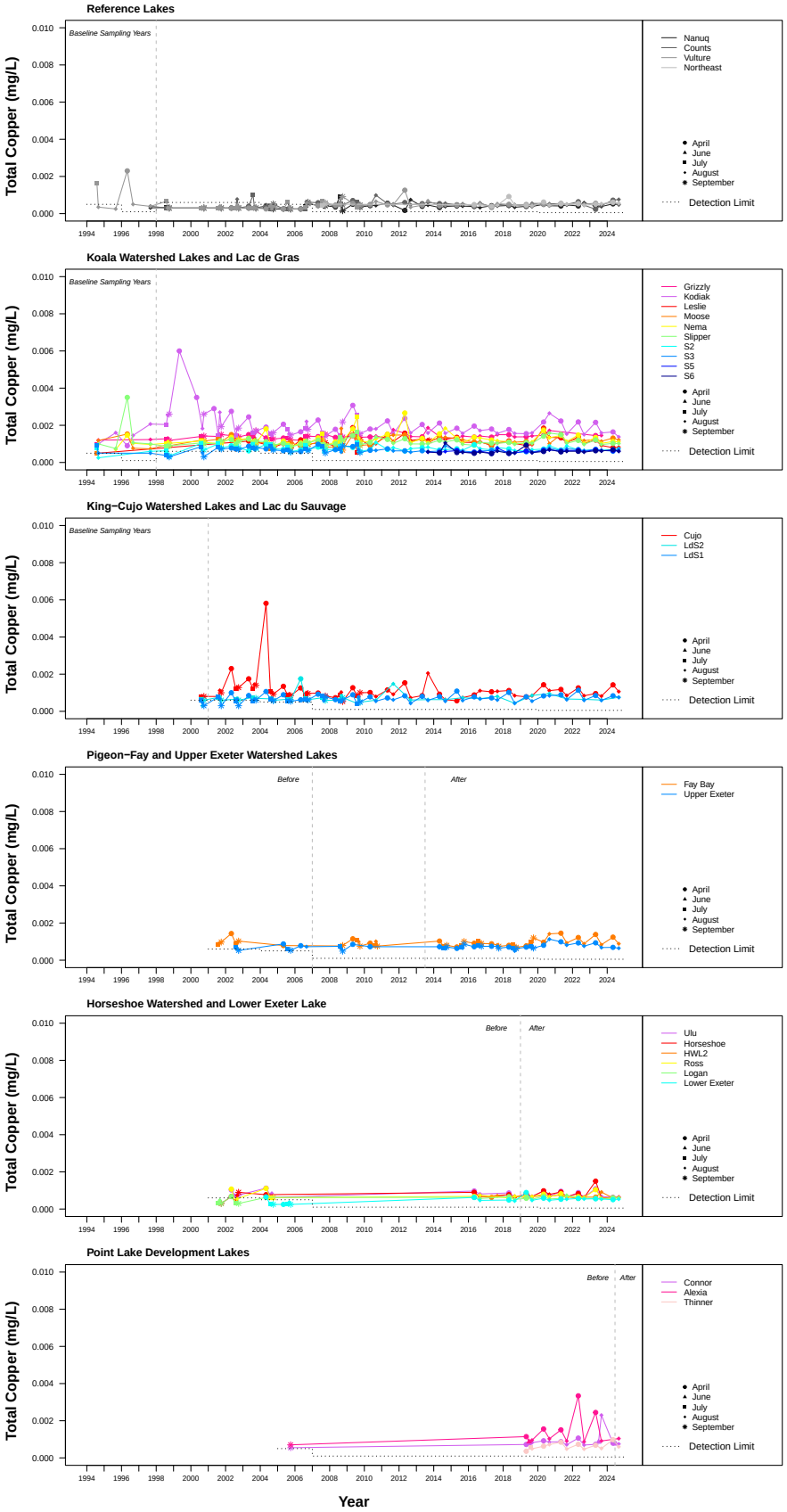
Notes: Dotted lines represent the minimum annual DL through time.
Benchmark = 0.0089 mg/L (Cr III); 0.001 mg/L (Cr VI)

Figure 29 Total Chromium Concentrations for AEMP Lakes, 1994 to 2024



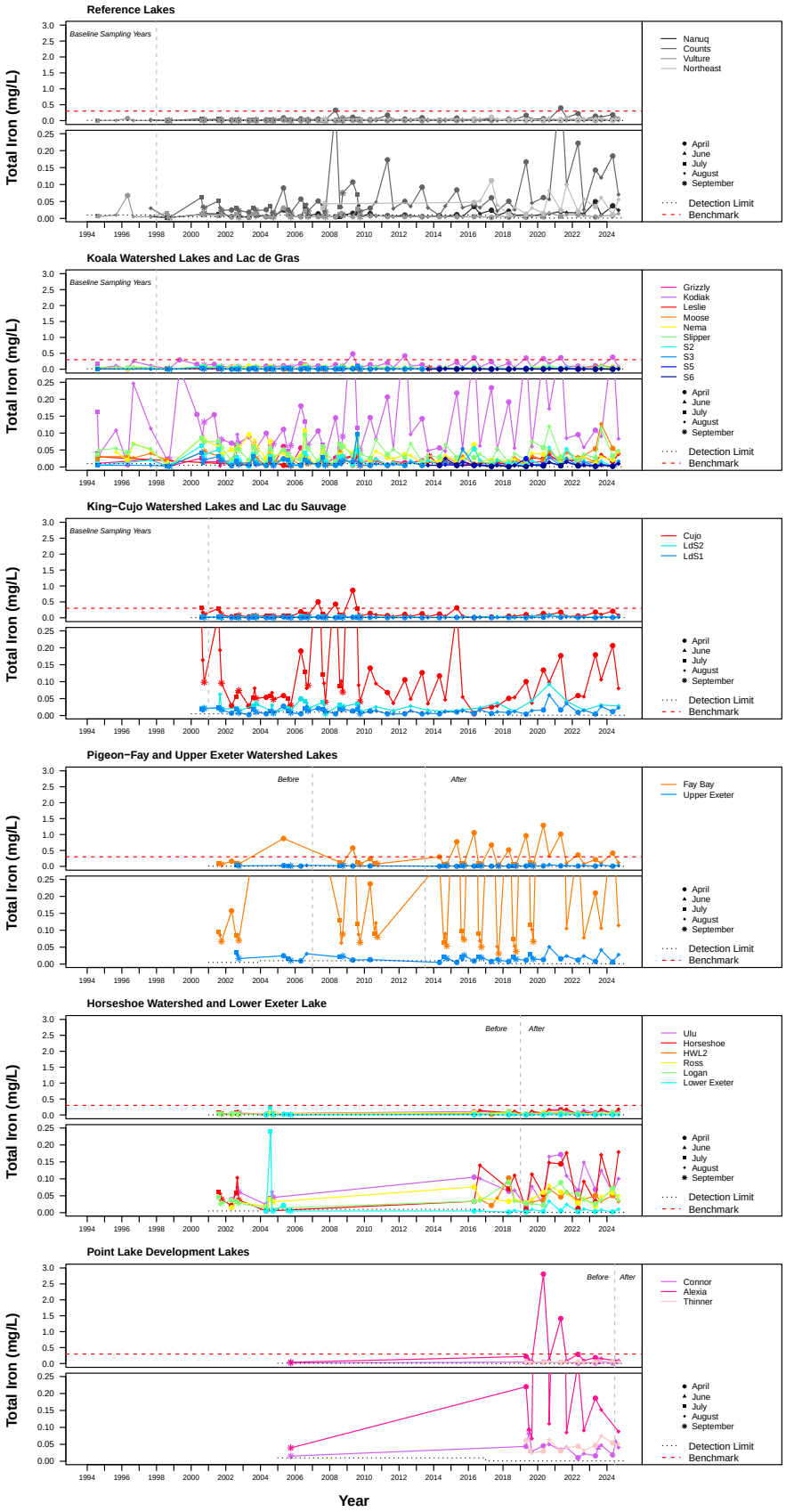
Note: Dotted lines represent the minimum annual DL through time.

Figure 30 Total Cobalt Concentrations for AEMP Lakes, 1994 to 2024



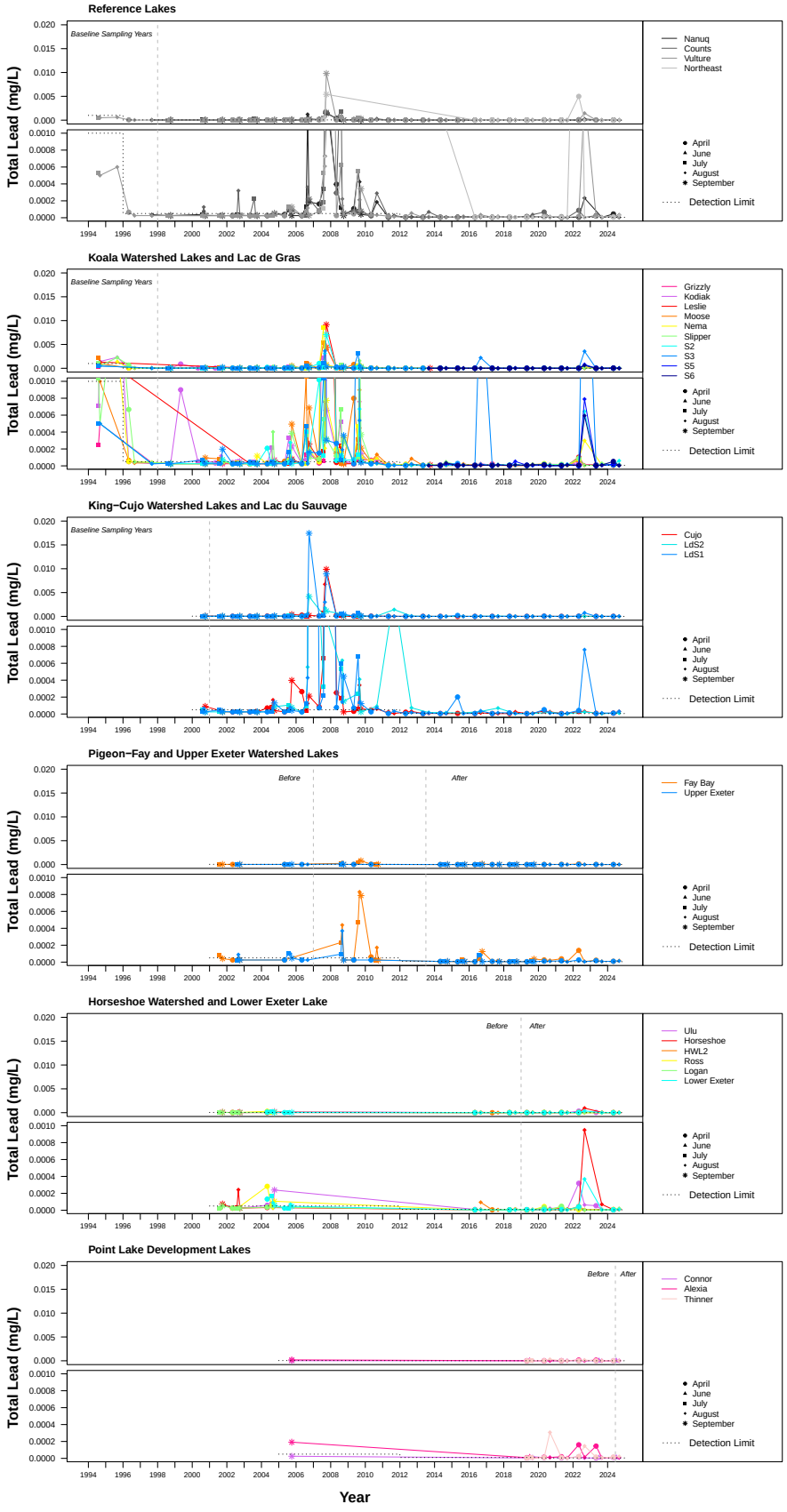
Notes: Dotted lines represent the minimum annual DL through time.
Benchmark = 0.002 mg/L for hardness ≤ 82 mg/L;
*0.2*e(0.8545*ln(hardness)-1.465)/1,000 mg/L for hardness = 82 to 180 mg/L; 0.004 mg/L for hardness > 180 mg/L*

Figure 31 Total Copper Concentrations for AEMP Lakes, 1994 to 2024



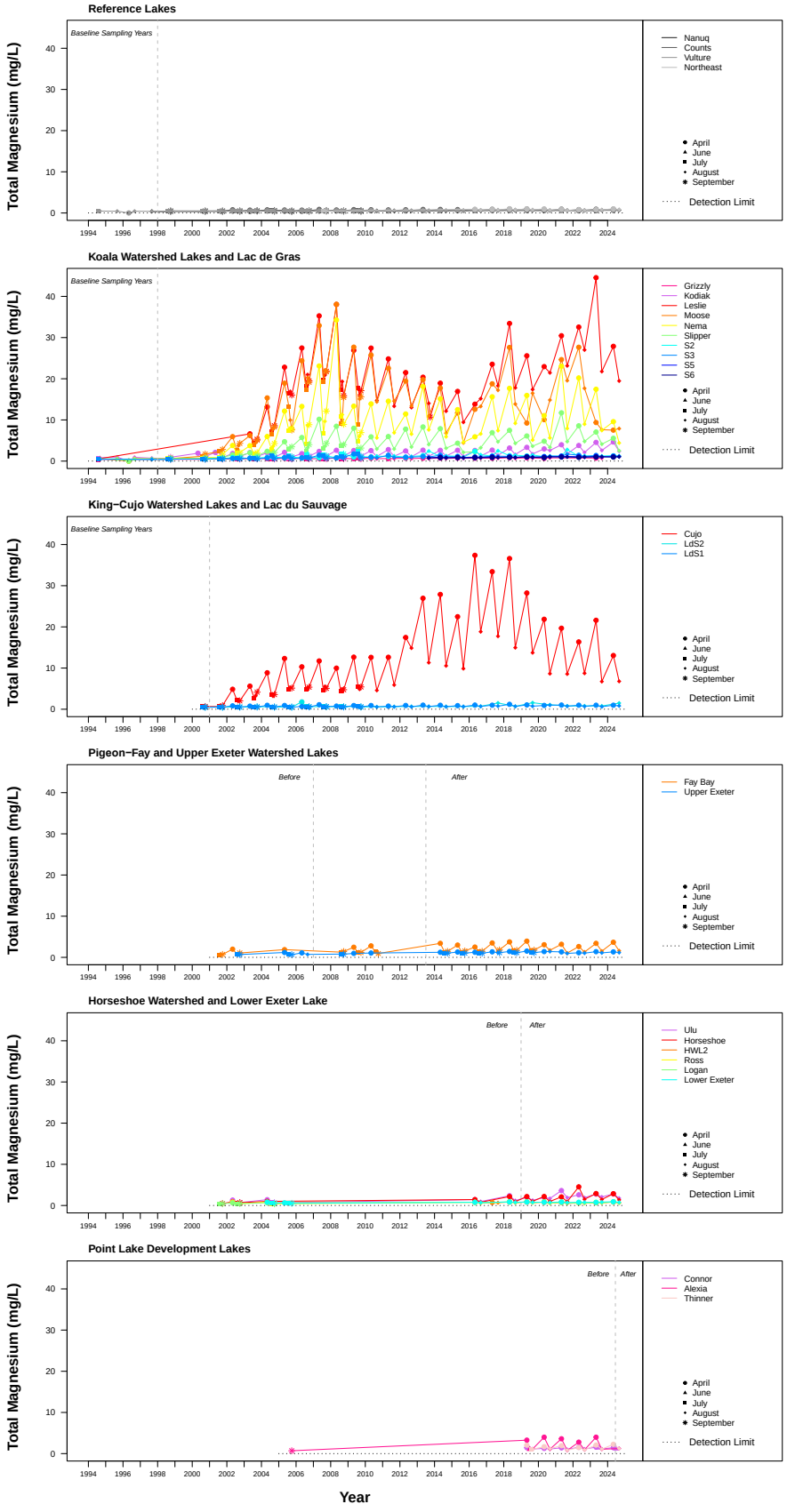
Notes: Dotted lines represent the minimum annual DL through time.
Benchmark = 0.3 mg/L

Figure 32 Total Iron Concentrations for AEMP Lakes, 1994 to 2024



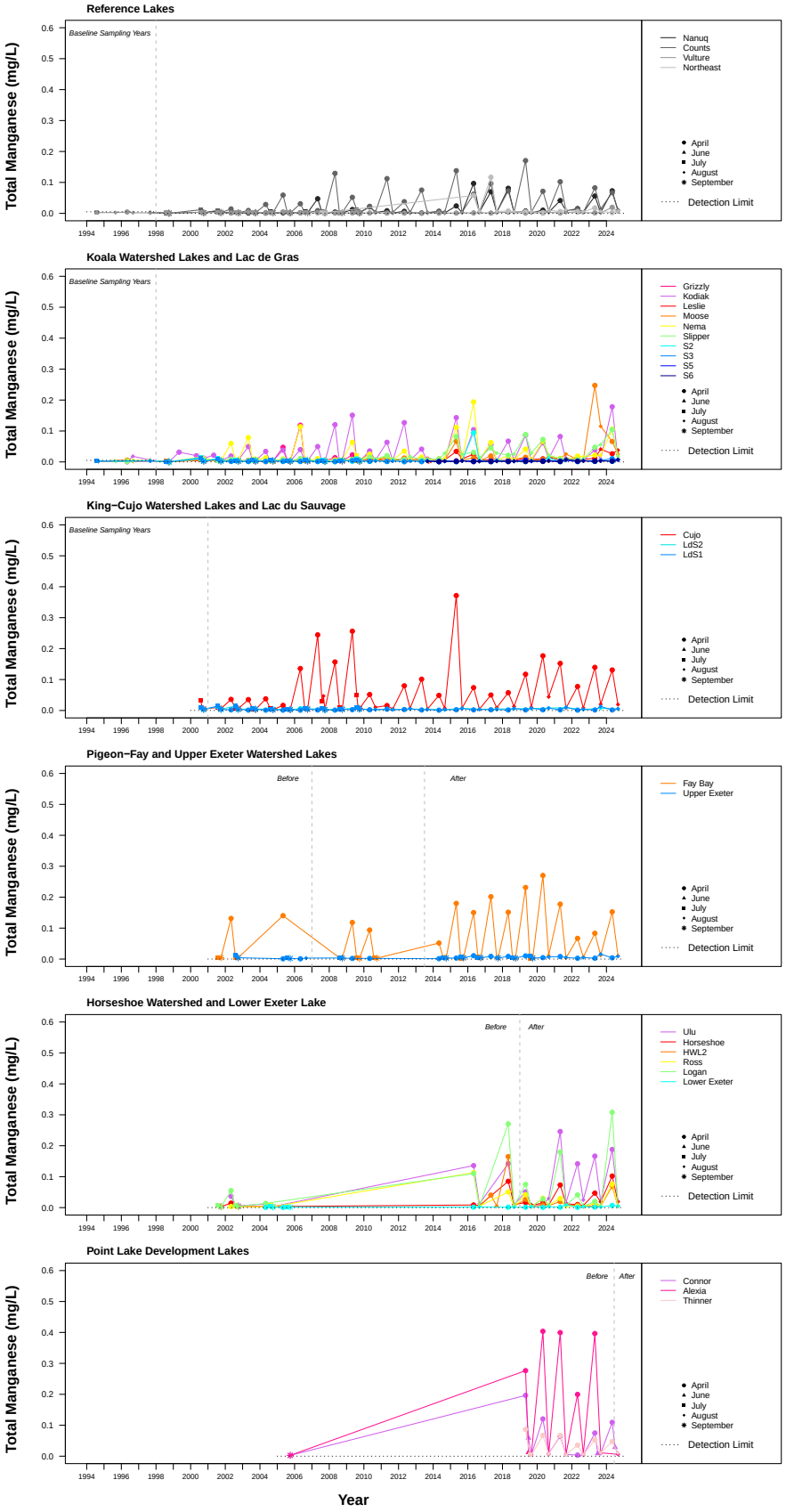
Notes: *Dotted lines represent the minimum annual DL through time.*
*Benchmark = 0.001 mg/L for hardness ≤ 60 mg/L; e(1.273*ln(hardness)-4.705)/1,000 mg/L for hardness = 61 to 142.6 mg/L; 0.005 mg/L (Canadian drinking water MAC) for hardness > 142.6 mg/L*

Figure 33 Total Lead Concentrations for AEMP Lakes, 1994 to 2024



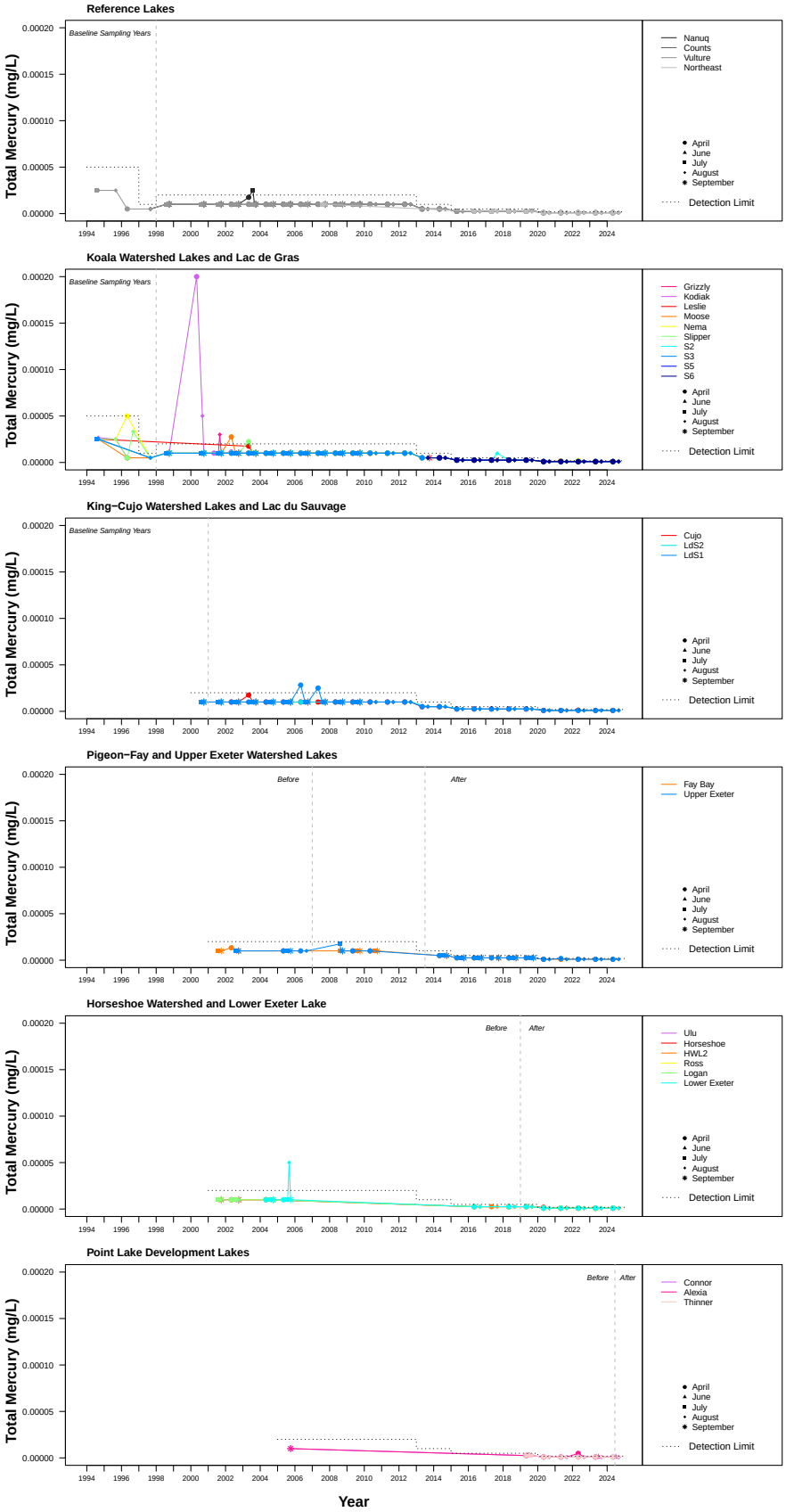
Note: Dotted lines represent the minimum annual DL through time.

Figure 34 Total Magnesium Concentrations for AEMP Lakes, 1994 to 2024



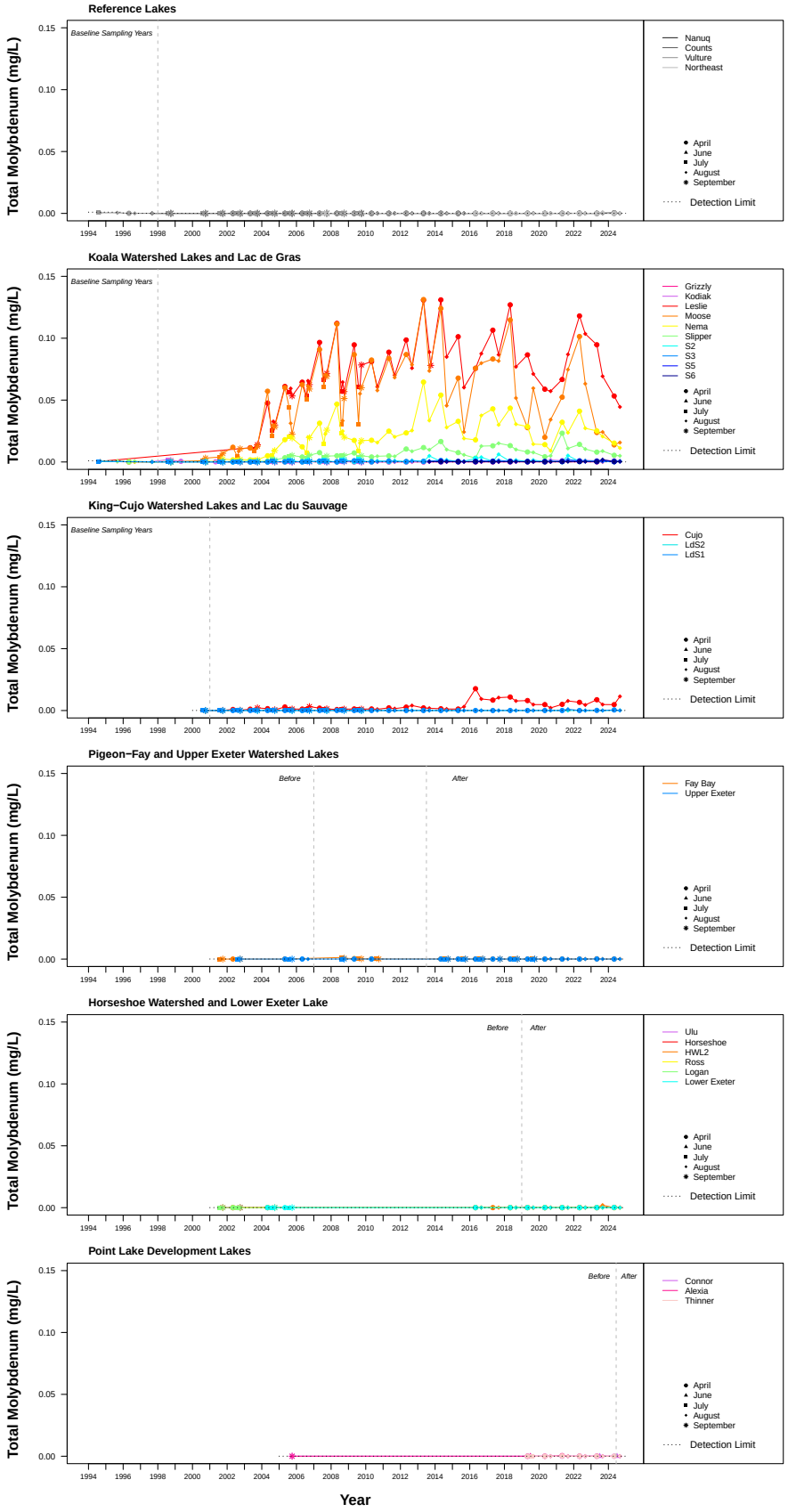
Note: Dotted lines represent the minimum annual DL through time.

Figure 35 Total Manganese Concentrations for AEMP Lakes, 1994 to 2024



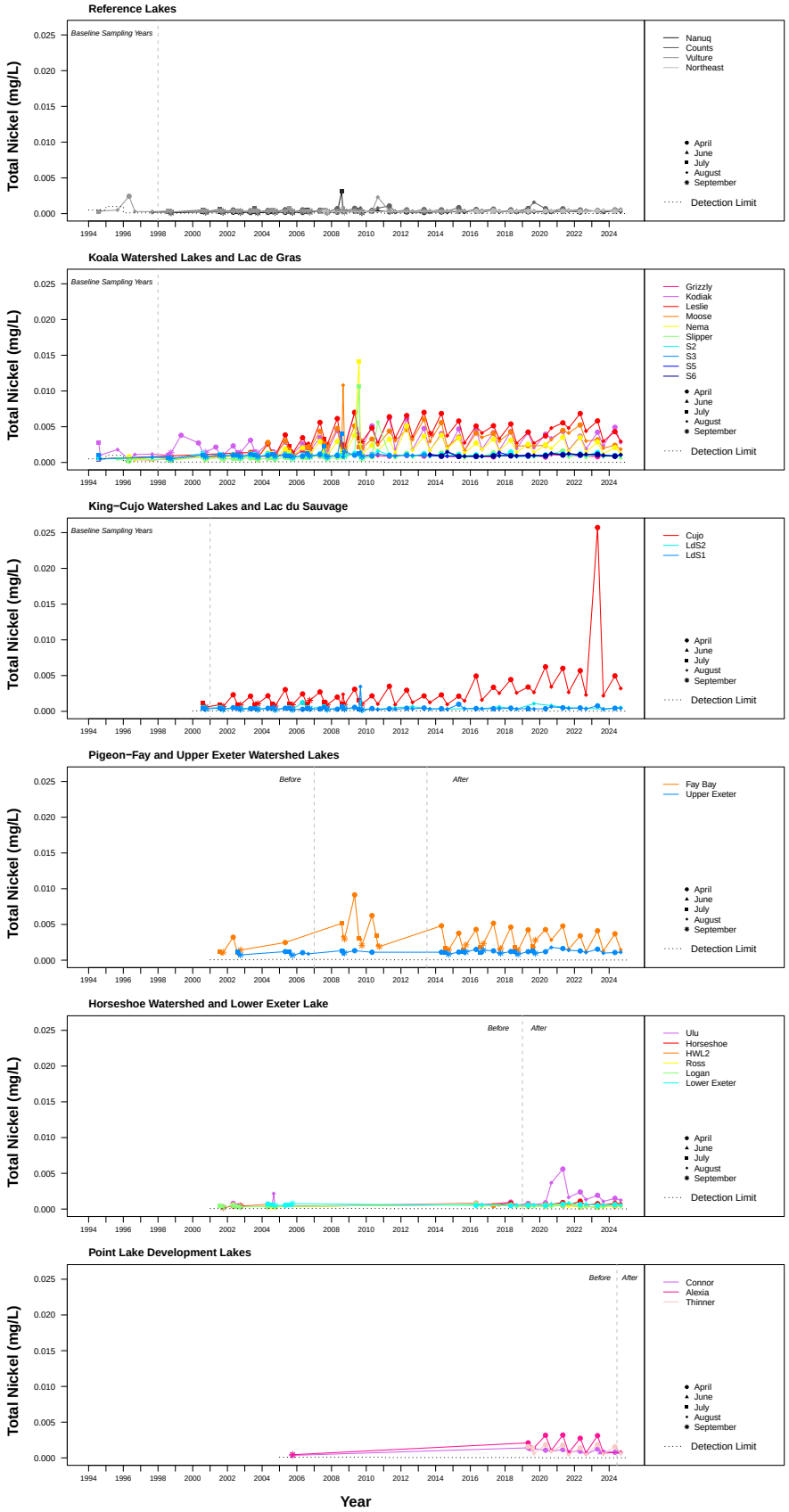
Note: Dotted lines represent the minimum annual DL through time.

Figure 36 Total Mercury Concentrations for AEMP Lakes, 1994 to 2024



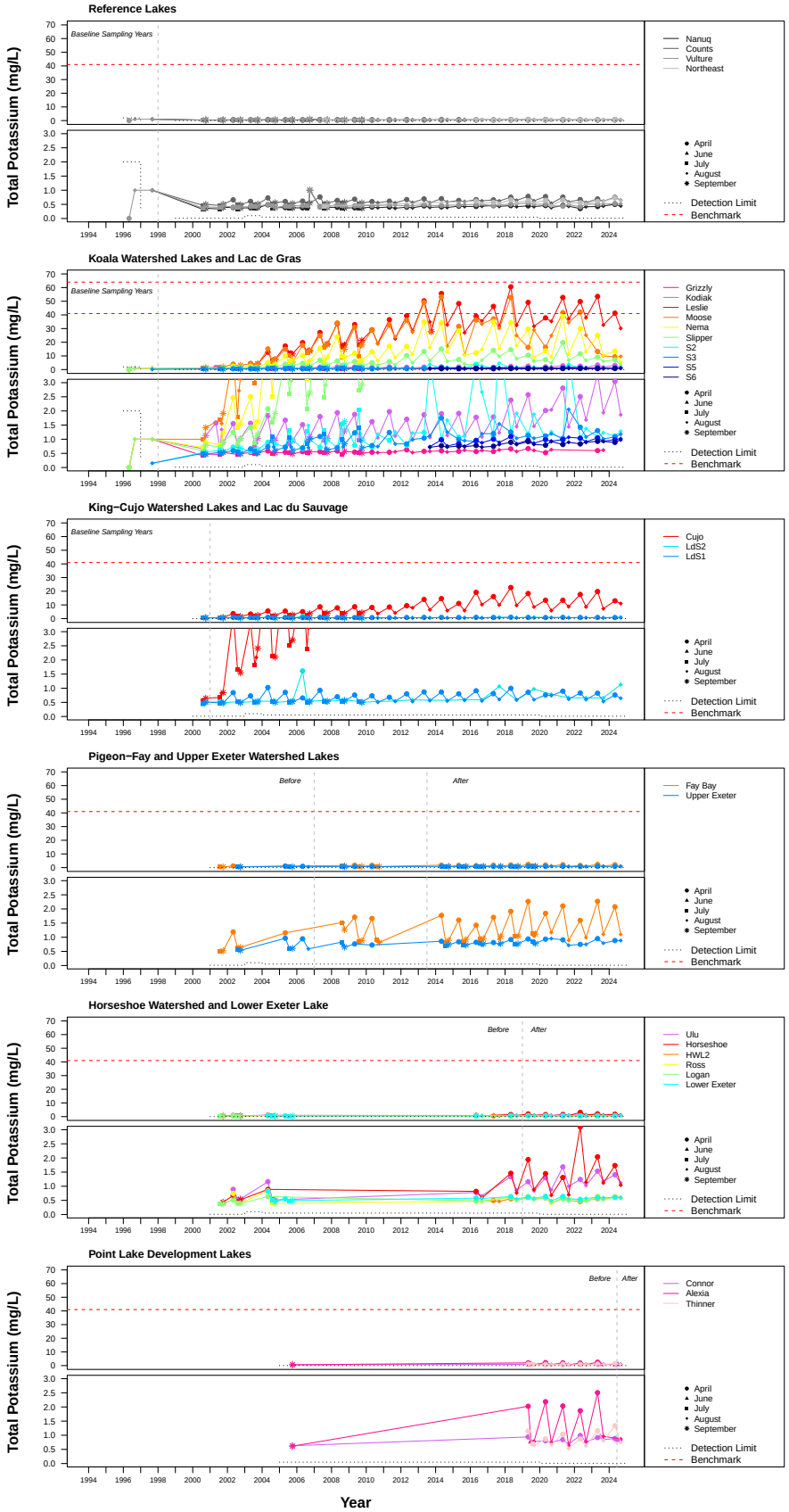
Notes: *Dotted lines represent the minimum annual DL through time.*
Benchmark = 0.5 mg/L

Figure 37 Total Molybdenum Concentrations for AEMP Lakes, 1994 to 2024



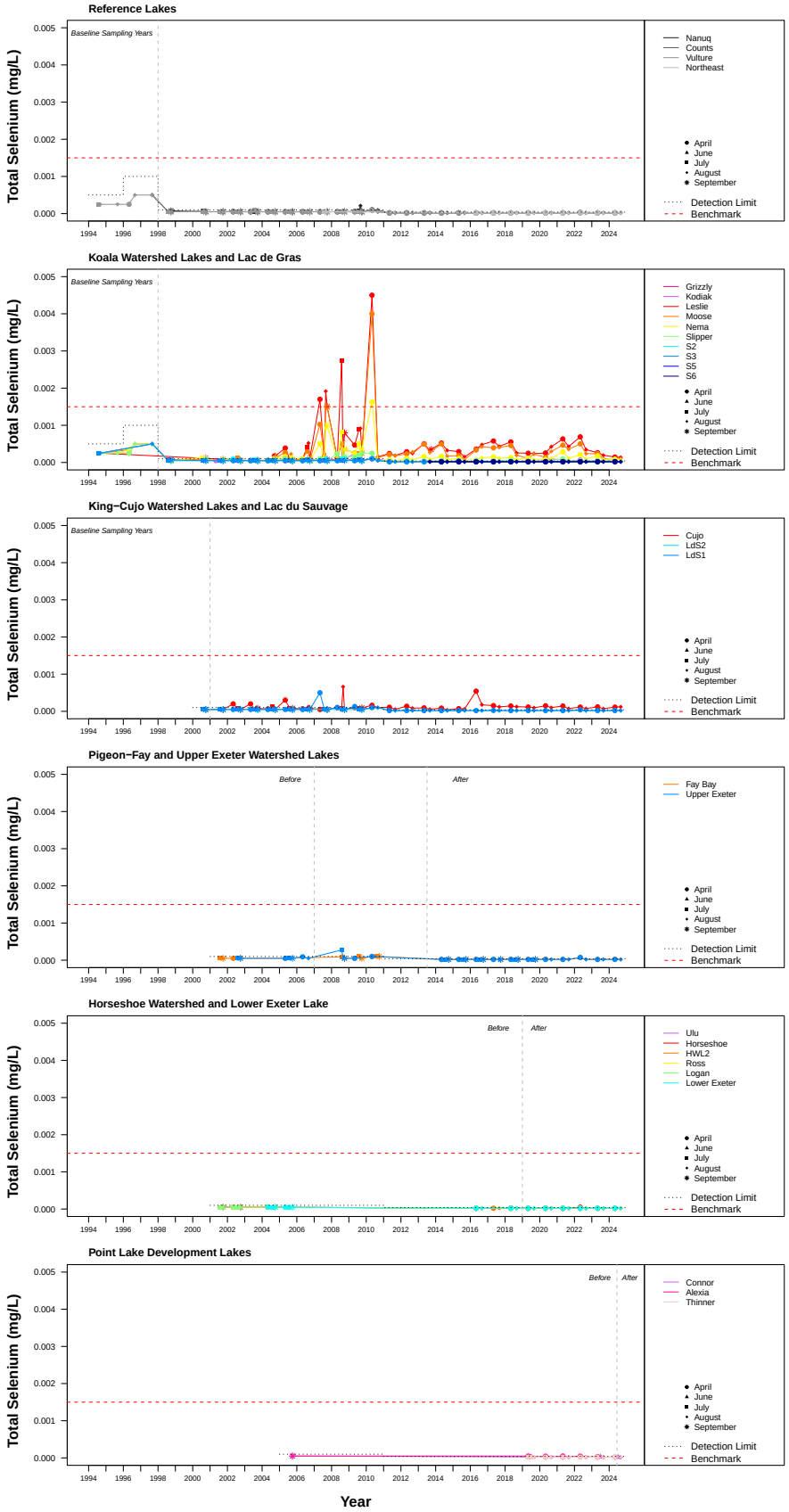
Notes: Dotted lines represent the minimum annual DL through time.
*Benchmark = 0.025 mg/L for hardness < 60 mg/L; e(0.76*ln(hardness) + 1.06))/1,000 mg/L for hardness = 60 mg/L to 180 mg/L; 0.15 mg/L for hardness > 180 mg/L*

Figure 38 Total Nickel Concentrations for AEMP Lakes, 1994 to 2024



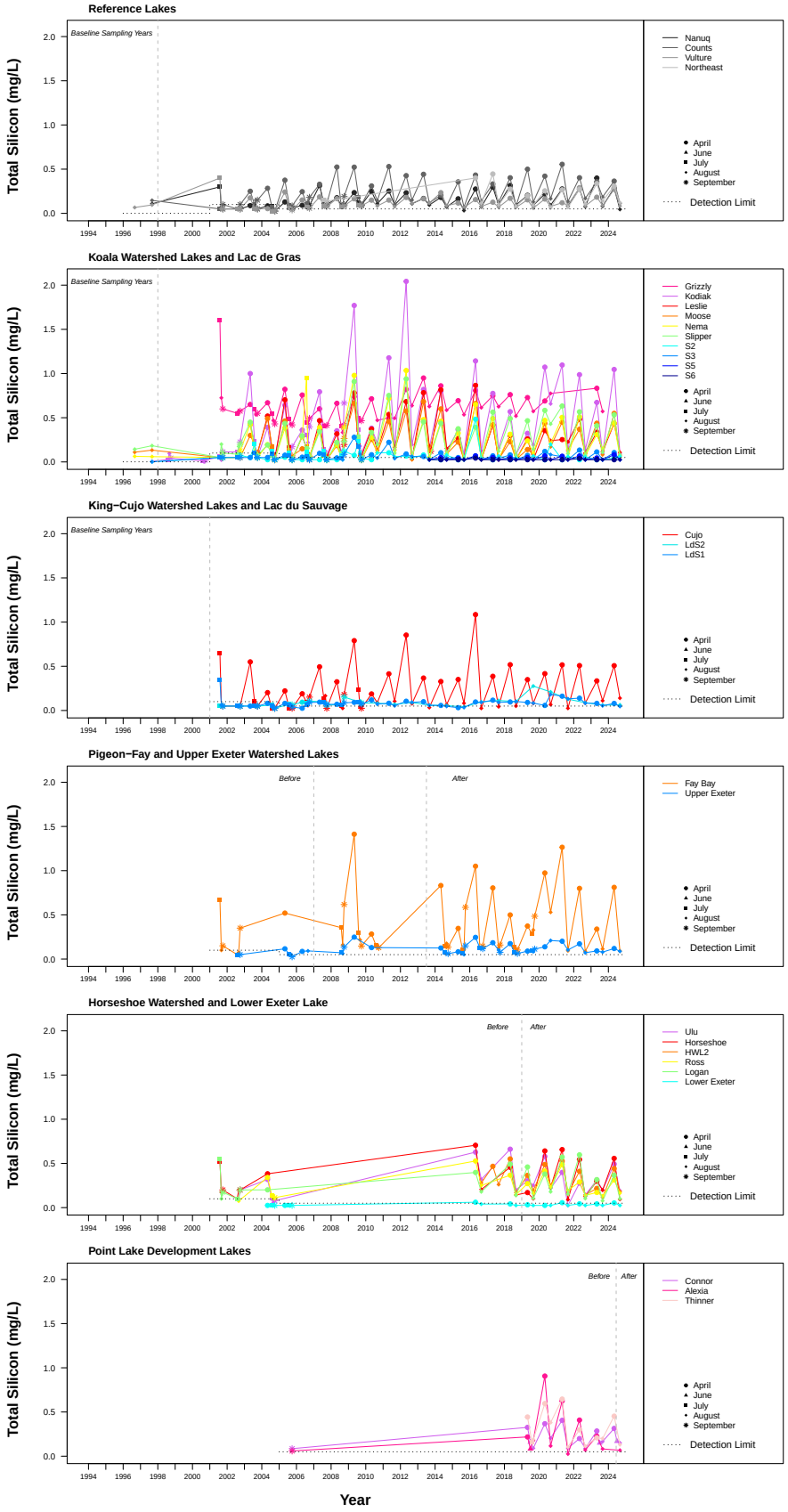
Notes: *Dotted lines represent the minimum annual DL through time.*
Benchmark = 64 mg/L for lakes and streams downstream of the LLCF; 41 mg/L for all other lakes and streams

Figure 39 Total Potassium Concentrations for AEMP Lakes, 1996 to 2024



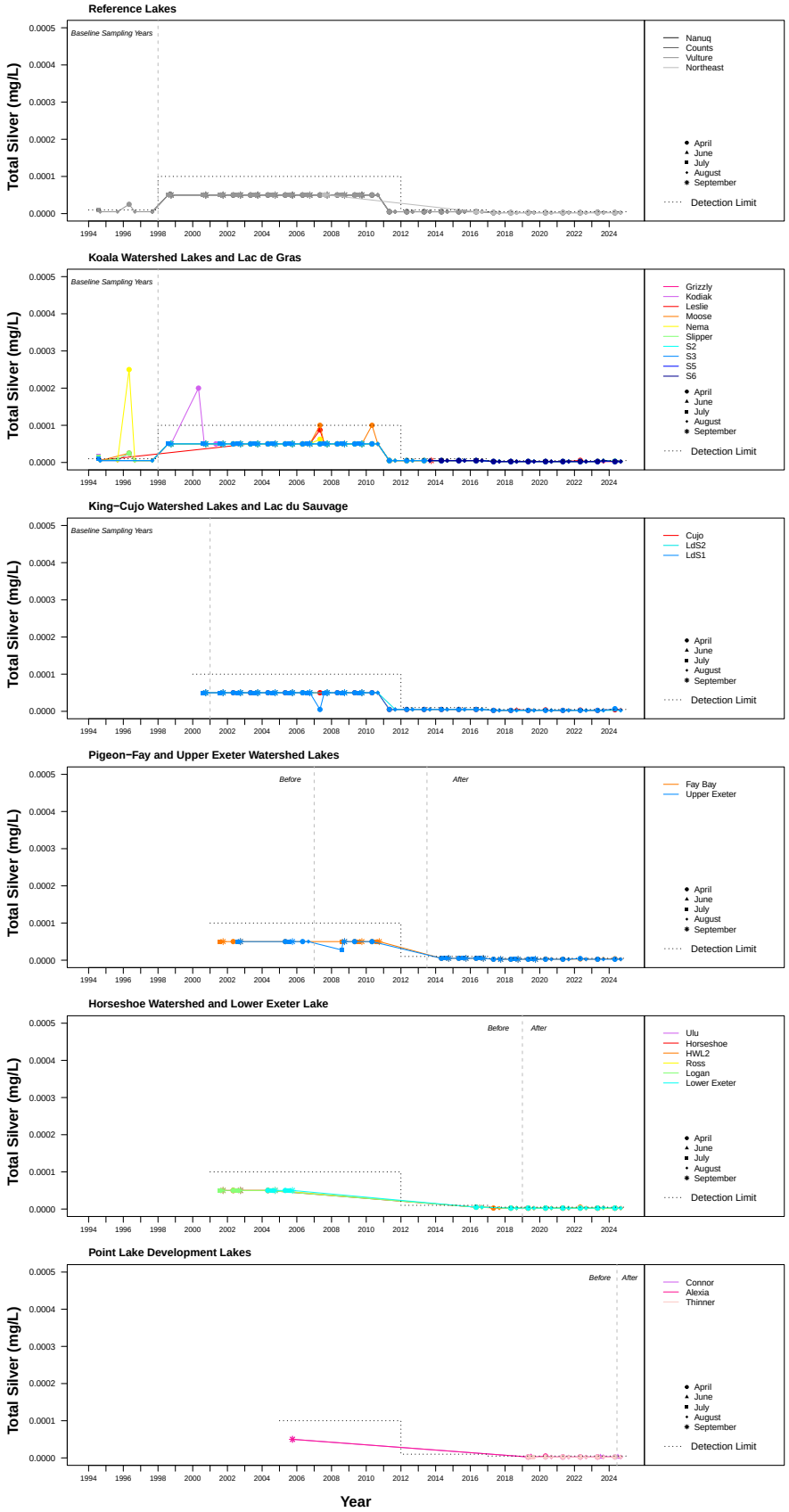
Notes: Dotted lines represent the minimum annual DL through time.
Benchmark = 0.0015 mg/L

Figure 40 Total Selenium Concentrations for AEMP Lakes, 1994 to 2024



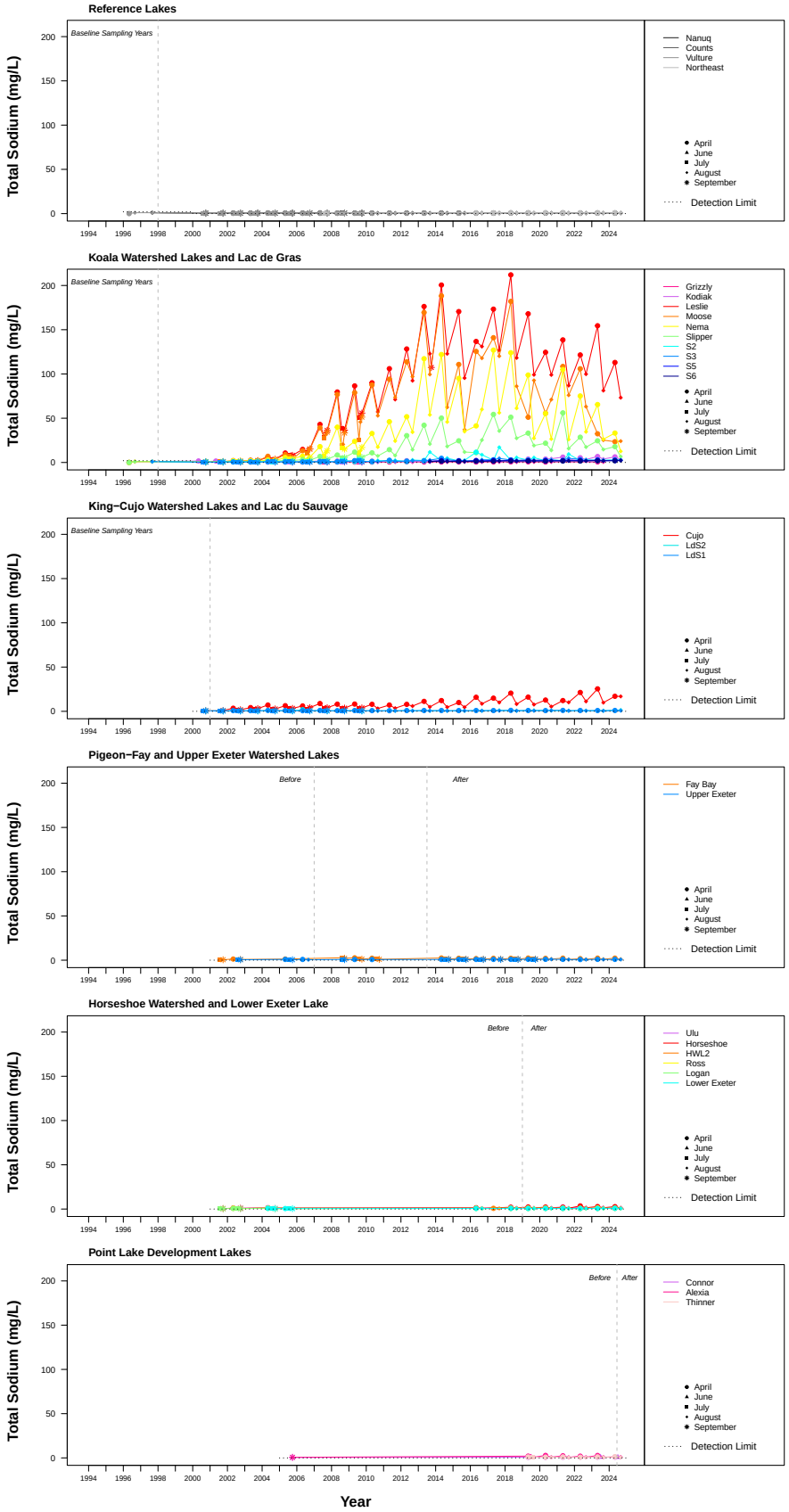
Note: Dotted lines represent the minimum annual DL through time.

Figure 41 Total Silicon Concentrations for AEMP Lakes, 1996 to 2024



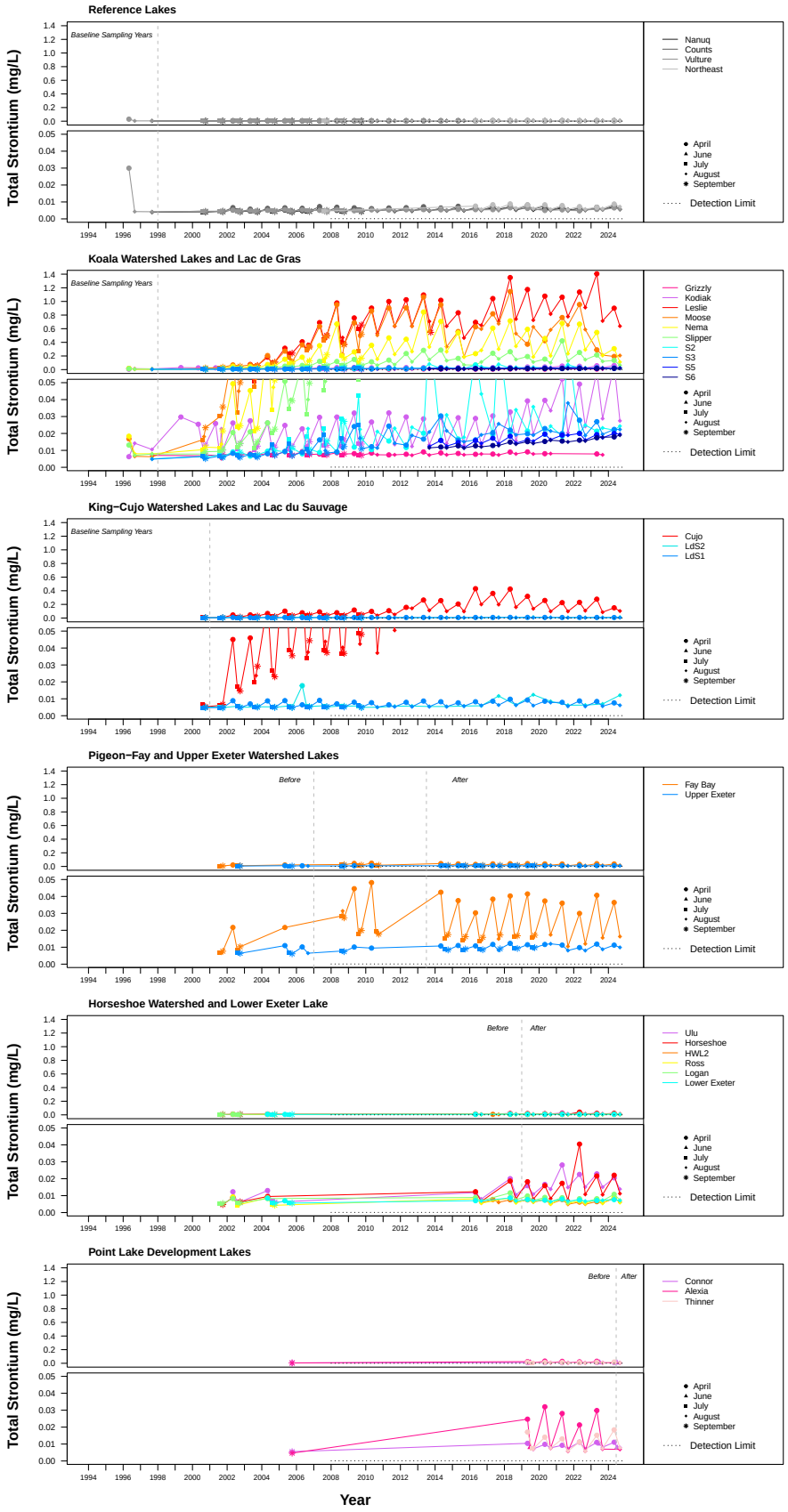
Note: Dotted lines represent the minimum annual DL through time.

Figure 42 Total Silver Concentrations for AEMP Lakes, 1994 to 2024



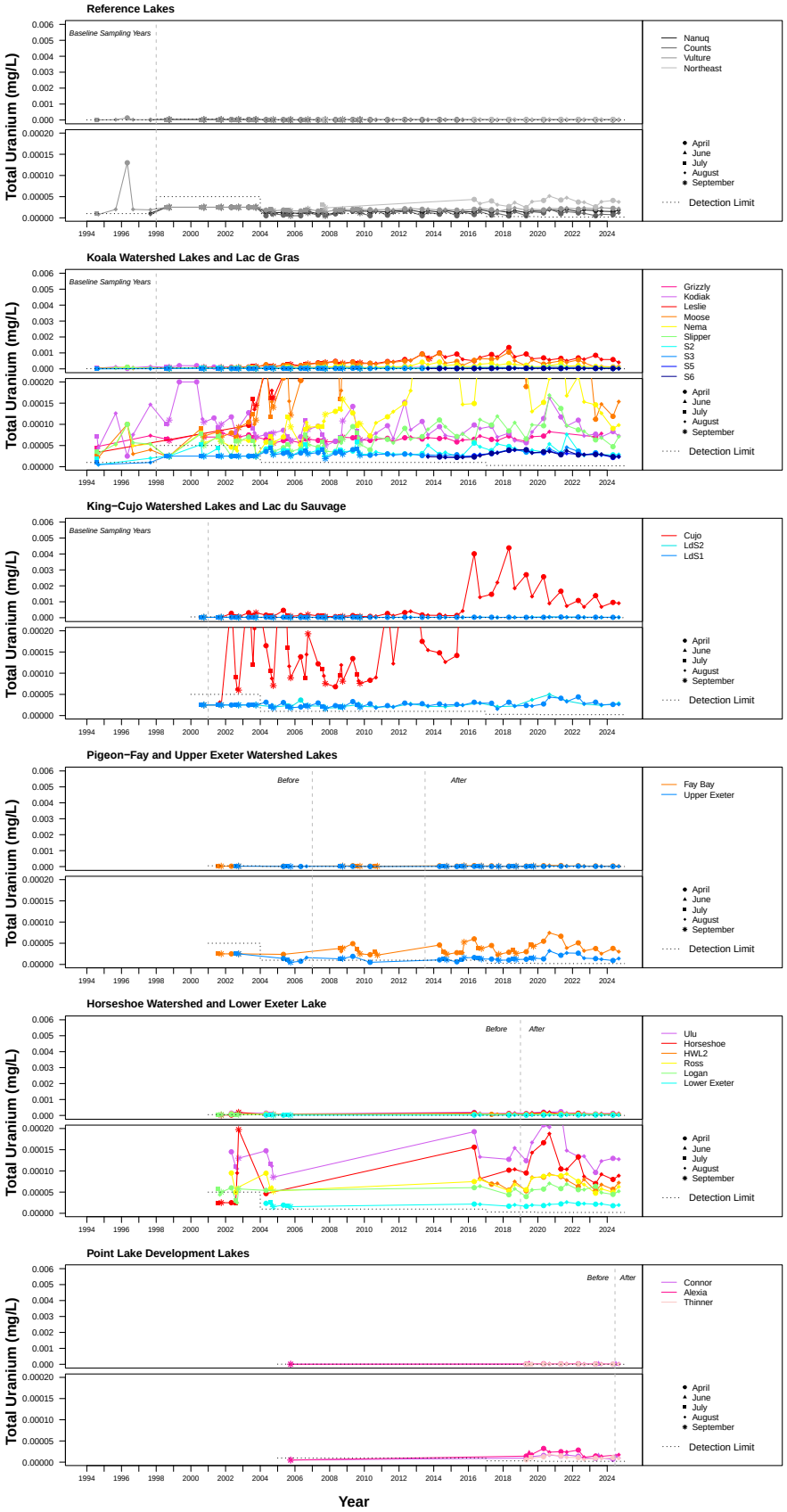
Note: Dotted lines represent the minimum annual DL through time.

Figure 43 Total Sodium Concentrations for AEMP Lakes, 1996 to 2024



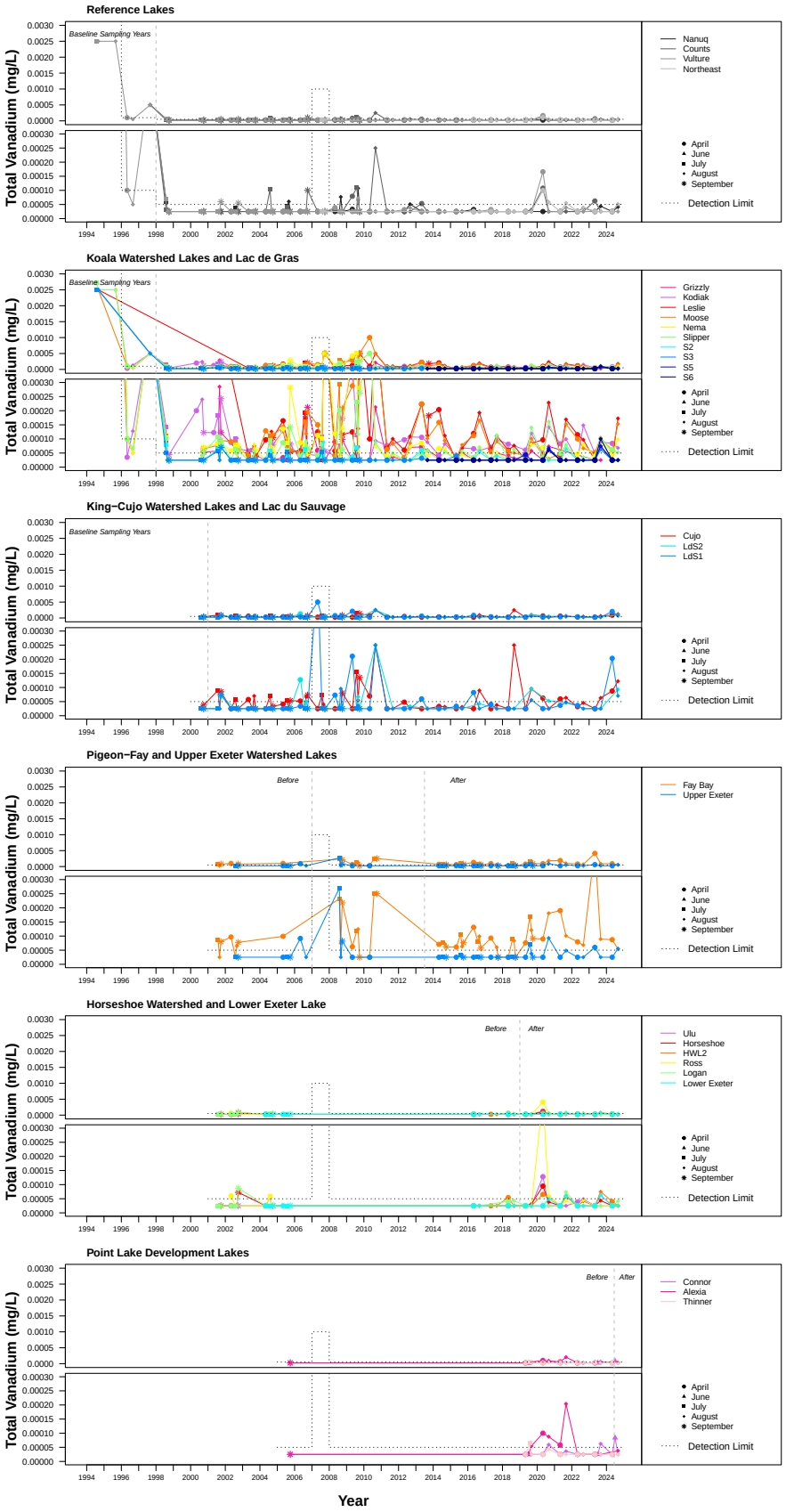
Notes: *Dotted lines represent the minimum annual DL through time.*
Benchmark = 7.0 mg/L

Figure 44 Total Strontium Concentrations for AEMP Lakes, 1996 to 2024



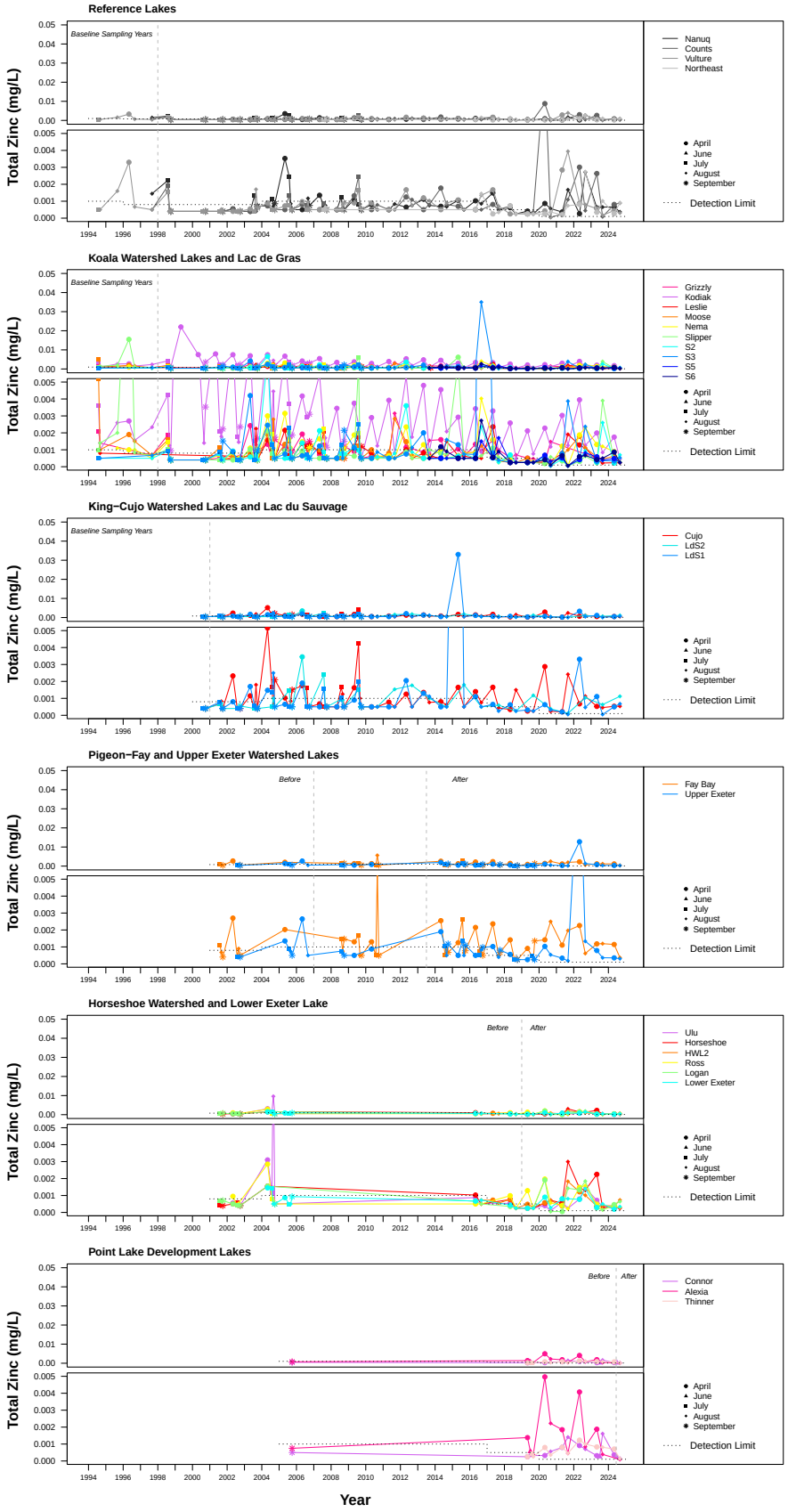
Notes: Dotted lines represent the minimum annual DL through time.
Benchmark = 0.015 mg/L

Figure 45 Total Uranium Concentrations for AEMP Lakes, 1994 to 2024



Notes: *Dotted lines represent the minimum annual DL through time.*
Benchmark = 0.03 mg/L

Figure 46 Total Vanadium Concentrations for AEMP Lakes, 1994 to 2024



Notes: *Dotted lines represent the minimum annual DL through time.*
*Benchmark = (e(0.947*ln(hardness) - (0.815pH) + (0.398ln(DOC)) + 4.625))/1,000 mg/L for hardness = 23.4 to 399 mg/L, pH = 6.5 to 8.13, and DOC = 0.3 to 22.9 mg/L; where DOC is calculated from TOC using a 0.74 conversion factor (see Section 2.2.5.1 of Part 1 - Annual Report)*

Figure 47 Total Zinc Concentrations for AEMP Lakes, 1994 to 2024

2. References

ERM. 2023. *Ekati Diamond Mine: 2023 to 2025 Aquatic Effects Monitoring Program Design Plan*, Version 8.1. Prepared for Arctic Canadian Diamond Company Ltd. by ERM Consultants Canada Ltd.: Yellowknife, Northwest Territories.

ERM. 2024. *Addendum to the 2023 to 2025 Aquatic Effects Monitoring Program Design Plan*, Version 8.1. Prepared for Burgundy Diamond Mines Ltd. by ERM Consultants Canada Ltd.: Yellowknife, Northwest Territories.

EKATI MINE

2024 AEMP Part 1—Annual Report

Appendix D: Historical Stream Hydrology

April 2025

BURGUNDY
DIAMOND MINES

ERM

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1. Historical Stream Hydrology

Hydrological variables for the 2024 Aquatic Effects Monitoring Program (AEMP) monitoring year are presented in Appendix A: 2024 Data Report. The location of each sampling station is provided in Table 1 and presented in Appendix A: 2024 Data Report (Figures 2.2-1 to 2.2-27).

Hydrological variables for each site (Lower Panda Diversion Channel, Long Lake Outflow / Long Lake Containment Facility (LLCF), Slipper-Lac de Gras, King Pond Settling Facility (KPSF), Cujo Outflow, the Two Rock Sedimentation Pond (TRSP), Horseshoe Outflow, and HWL4 Outflow, included for historical comparison were:

- Minimum and maximum recorded unit yield (Tables 2 and 3);
- Runoff depth (Table 4);
- Runoff coefficients for monitored streams (Table 5); and
- Comparison of 2024 mean daily streamflow/discharge with the historical record for each site (Figures 1 to 5).

The hydrological year (freeze-up to freeze-up) typically aligns with the AEMP monitoring year (October to September). In some streams, in some years, open-water streamflow may continue flowing past September into October (i.e., the next AEMP year); however, for the purposes of the AEMP, flow is considered to be part of the current monitoring year. No Discharges occurred from Discharge sites (i.e., the LLCF, the KPSF, and the TRSP) in October 2024.

Table 1 AEMP Hydrometric Monitoring, 1994 to 2024

Location	Lower PDC	LLCF	Slipper-Lac de Gras Stream	KPSF	Cujo Outflow	TRSP	Horseshoe Outflow	HWL4 Outflow[a]
Northing, Easting (m):	**7175900, 518600**	**7173110, 514253**	**7164913, 507616**	**7161359, 538785**	**7162100, 539000**	**7193020, 521736**	**7194273, 520321**	**7193616, 513169**
Drainage Area (km^2):	**21**	**44**	**185**	**NA**	**3**	**NA**	**11**	**78**
1994	–	–	X	–	–	–	–	–
1995	–	X	X	–	–	–	–	–
1996	–	X	X	–	–	–	–	–
1997	–	X[b]	X	–	–	–	–	–
1998	–	X[b]	X	–	–	–	–	–
1999	X	X[b]	X	–	X	–	–	–
2000	X	X[b]	X	–	X	–	–	–
2001	X	X[b]	X	–	X	–	X	–
2002	X	X[b]	X	X[b]	X	–	X	–
2003	X	X[b]	X	X[b]	X	–	–	–
2004	X	X[b]	X	X[b]	X	–	X	–
2005	X	X[b]	X	X[b]	X	–	X	–
2006	X	X[b]	X	X[b]	X	–	–	–
2007	X	X[b]	X	X[b]	X	–	–	–
2008	X	X[b]	X	X[b]	X	–	–	–
2009	X	X[b]	X	X[b]	X	–	–	–
2010	X	X[b]	X	X[b]	X	–	–	–
2011	X	X[b]	X	X	X	–	–	–
2012	X	X[b]	X	X[b]	X	–	–	–

Location	Lower PDC	LLCF	Slipper-Lac de Gras Stream	KPSF	Cujo Outflow	TRSP	Horseshoe Outflow	HWL4 Outflow[a]
2013	X	X[b]	X	X[b]	X	–	–	–
2014	X	X[b]	X	No Discharge	X	–	–	–
2015	X	X[b]	X	X[b]	X	–	–	–
2016	X	X[b]	X	X[b]	X	–	X	–
2017	X	X[b]	X	X[b]	X	–	–	–
2018	X	X[b]	X	X[b]	X	X[b]	X	–
2019	X	X[b]	X	No Discharge	X	No Discharge	X	–
2020	–	X[b]	–	No Discharge	–	No Discharge	–	–
2021	X	X[b]	X	X[b]	–	No Discharge	X	–
2022	X	X[b]	X	No Discharge	X	X[b]	X	–
2023	X	No Discharge	X	X[b]	X	No Discharge	X	X
2024	X	No Discharge	X	X[b]	X	X[b]	X	X

Notes:

Dash (–) = station not in operation; km^2 = square kilometre; m = metre; X = station in operation

AEMP = Aquatic Effects Monitoring Program; KPSF = King Pond Settling Facility; LLCF = Long Lake Containment Facility; PDC = Panda Diversion Channel; TRSP = Two Rock Sedimentation Pond

Coordinates are presented in NAD83 UTM Zone 12N.

[a] HWL4 monitoring station relocated from Logan Outflow (coordinates: 509534, 7192671) in 2023.

[b] Flows regulated by mine-related activities (i.e., Dewatering or Discharge pumping).

Table 2 Maximum Recorded Unit Yield for AEMP Streams and Points of Discharge, 1995 to 2024

Year	Lower PDC	LLCF[a]	Slipper-Lac de Gras Stream	KPSF	Cujo Outflow	TRSP	Horseshoe Outflow	HWL4 Outflow
1995	NA	92 (June 14)	70.2 (June 10)	NA	–	NA	–	–
1996	NA	32 (June 16)	29.1 (June 14)	NA	–	NA	–	–
1997	NA	–	170.8 (June 3)	NA	–	NA	–	–
1998	NA	63.2 (April)	117.1 (May 23)	NA	–	NA	–	–
1999	166.1 (June 3)	29.8 (July)	103.4 (June 5)	NA	135.9 (June 5)	NA	–	–
2000	85.1 (May 27)	15.2 (July)	86.9 (June 12)	NA	214.3 (June 11)	NA	–	–
2001	78.7 (June 12)	24.3 (June)	371 (June 8)	NA	77.4 (June 7)	NA	+	–
2002	40.2 (June 8)	15.4 (July)	37.2 (June 11)	106.3 (September)	154 (September 20)	NA	+	–
2003	32.4 (May 31)	+	45.7 (May 31)	+	59 (June 5)	NA	–	–
2004	47.9 (June 8)	10.8 (February)	93.4 (June 10)	11.4 (September)	93.9 (June 10)	NA	+	–
2005	110.6 (June 5)	26.1 (June)	107.3 (June 6)	15.2 (September)	93.1 (June 8)	NA	+	–
2006	63.9 (May 16)	23.6 (June)	79.5 (May 21)	76.8 (July)	50 (May 21)	NA	–	–
2007	85.7 (June 2)	20.7 (July)	56.2 (June 4)	42.7 (July)	59 (June 4)	NA	–	–

Year	Lower PDC	LLCF[a]	Slipper-Lac de Gras Stream	KPSF	Cujo Outflow	TRSP	Horseshoe Outflow	HWL4 Outflow
2008	55.8 (May 28)	2.7 (September)	31.4 (June 5)	34.5 (July)	22.1 (June 5)	NA	–	–
2009	60.5 (June 11)	14.2 (July)	55.3 (June 13)	25.6 (September)	55.8 (June 13)	NA	–	–
2010	86.7 (June 3)	23.7 (July)	33.9 (June 5)	74.3 (August)	50.5 (August 14)	NA	–	–
2011	19.5 (June 3)	32 (July)	16.5 (June 4)	81.4 (September)	57.2 (September 10)	NA	–	–
2012	76.2 (May 30)	26.2 (July)	54 (June 3)	119.5 (June)	76.2 (July 1)	NA	–	–
2013	95.9 (June 1)	11.3 (August)	54.7 (June 3)	25.4 (July)	36.6 (May 31)	NA	–	–
2014	44.3 (May 30)	11.3 (October)	39.9 (June 1)	No Discharge	20.3 (June 2)	NA	–	–
2015	48.0 (June 7)	9.3 (September)	29.1 (August 27)	91.2 (July)	35.9 (July 13)	NA	–	–
2016	44.7 (June 10)	38 (July)	31.1 (June 13)	61.0 (September)	23.5 (June 14)	NA	+	–
2017	100.9 (May 25)	12.3 (June)	31.8 (June 1)	85.1 (July)	57.1 (July 16)	NA	–	–
2018	118.0 (June 5)	7.2 (October)	27.1 (June 13)	54.5 (July)	32.9 (July 29)	55.2 (September)	+	–
2019	47.8 (July 12)	16.7 (June)	21.9 (June 19)	No Discharge	20.9 (June 18)	No Discharge	5.9 (June 21)	–
2020	–	+	–	No Discharge	–	No Discharge	–	–
2021	360.1 (June 11)	30.3 (July)	100.0 (June 12)	56.2 (July)	71.9 (June 13)	No Discharge	22.2 (June 13)	–

Year	Lower PDC	LLCF[a]	Slipper-Lac de Gras Stream	KPSF	Cujo Outflow	TRSP	Horseshoe Outflow	HWL4 Outflow
2022	18.5 (June 9)	7.5 (October)	16.1 (June 12)	No Discharge	14.6 (June 9)	33.1 (October)	8.5 (June 10)	–
2023	23.1 (June 10)	No Discharge	6.9 (June 10)	169.0 (August)	84.4 (August 24)	No Discharge	3.7 (June 7)	9.8 (June 7)
2024	24.4 (May 31)	No Discharge	19.7 (June 4)	216.2 (June)	54.3 (July 17)	39.2 (September)	6.94 (June 3)	24.96 (June 3)

Notes:

Dash (–) = station not in operation; Plus Sign (+) = metric was not calculated for that year

AEMP = Aquatic Effects Monitoring Program; KPSF = King Pond Settling Facility; LLCF = Long Lake Containment Facility; NA = not applicable; PDC = Panda Diversion Channel; TRSP = Two Rock Sedimentation Pond

Units are L/s/km^2, representing flow rate per unit area of catchment, allowing the comparison of different catchments independent of catchment area.

Dates in brackets () indicate when the maximum recorded value was observed. In the case of KPSF, resolution is monthly.

[a] Since December 1997, Long Lake Outflow has been regulated as LLCF Discharge.

Table 3 Minimum Recorded Unit Yield for AEMP Streams and Points of Discharge, 1995 to 2024

Year	Lower PDC	LLCF[a]	Slipper-Lac de Gras Stream	KPSF	Cujo Outflow	TRSP	Horseshoe Outflow	HWL4 Outflow
1994	NA	–	1.2 (August 15)	NA	–	NA	–	–
1995	NA	2.7 (August 6)	5 (August 27)	NA	–	NA	–	–
1996	NA	1 (August 7)	0.7 (August 7)	NA	–	NA	–	–
1997	NA	–	2.2 (August 22)	NA	–	NA	–	–
1998	NA	0 (June)	2.2 (August 5)	NA	–	NA	–	–
1999	0.6 (August 16)	3.4 (October)	6.2 (August 16)	NA	0.4 (August 17)	NA	–	–
2000	1.9 (August 13)	4.3 (September)	5.1 (August 14)	NA	0.1 (August 14)	NA	–	–
2001	0.8 (August 23)	6.3 (August)	0.7 (August 22)	NA	1 (August 17)	NA	+	–
2002	0.6 (August 9)	0 (June)	2.9 (July 3)	0 (July–August)	0.7 (August 6)	NA	+	–
2003	0.2 (August 22)	3.9 (July)	1.7 (August 22)	0.6 (June)	4.2 (July 5)	NA	–	–
2004	3.3 (September 3)	0 (April–June)	0.6 (September 3)	0 (January–June)	0.6 (August 25)	NA	+	–
2005	1.1 (August 7)	0 (January–June)	1.6 (August 7)	0 (January–August)	0.7 (August 28)	NA	+	–
2006	2.3 (August 22)	0 (January–May)	7.9 (August 22)	0 (January–July)	0.6 (July 16)	NA	–	–

Year	Lower PDC	LLCF[a]	Slipper-Lac de Gras Stream	KPSF	Cujo Outflow	TRSP	Horseshoe Outflow	HWL4 Outflow
2007	0.8 (September 17)	0 (January–May)	3.1 (September 6)	0 (January–May)	0.5 (August 25)	NA	–	–
2008	1.9 (August 10)	0 (January–July)	1.7 (August 13)	0 (January–May)	0.7 (August 13)	NA	–	–
2009	1.2 (September 6)	0 (January–June)	1.3 (September 17)	0 (January–May)	0 (August 24)	NA	–	–
2010	1.3 (September 13)	0 (January–June)	1.7 (August 22)	0 (January–June)	5.3 (September 13)	NA	–	–
2011	1.2 (August 14)	0 (January–June)	3.6 (August 15)	0 (January–July)	0 (August 30)	NA	–	–
2012	1.4 (August 26)	0 (January–May)	2 (August 27)	0 (January–May)	0 (August 3)	NA	–	–
2013	1.5 (September 7)	0 (January–May)	5.2 (September 4)	0 (January–June)	0.4 (September 8)	NA	–	–
2014	0.2 (September 12)	0 (October–June, September)	1.1 (September 7)	No Discharge	0 (August 21)	NA	–	–
2015	0.5 (August 18)	0 (January–August)	1.0 (August 9)	0 (January–June, August–September)	2.4 (September 24)	NA	–	–
2016	1.6 (August 7)	0 (January–April)	3.3 (September 2)	0 (January–August)	0.1 (September 3)	NA	+	–
2017	1.6 (September 17)	0 (January–May)	2.5 (August 19)	0 (January–June, August–December)	1.0 (September 18)	NA	–	–
2018	2.5 (July 25)	0 (November–September)	2.97 (September 11)	0 (January–June, August–October)	0.1 (September 11)	0 (October–August)	+	–

Year	Lower PDC	LLCF[a]	Slipper-Lac de Gras Stream	KPSF	Cujo Outflow	TRSP	Horseshoe Outflow	HWL4 Outflow
2019	11.5 (August 7)	0 (October–May, August–September)	11.8 (August 1)	No Discharge	5.2 (August 2)	No Discharge	2.7 (August 2)	–
2020	–	+	–	No Discharge	–	No Discharge	–	–
2021	2.4 (September 10)	0 (November–May)	3.3 (September 11)	0 (October–June, September)	3.1 (September 11)	No Discharge	2.2 (September 17)	–
2022	1.1 (August 27)	0 (December–September)	2.7 (September 2)	No Discharge	0.1 (September 3)	0 (November–June, September)	0 (August 25)	–
2023	0.3 (August 9)	No Discharge	0.7 (August 20)	0 (January–May, September–December)	2.8 (July 12)	No Discharge	0 (July, August, September)	0.1 (August 9)
2024	1.077 (August 16)	No Discharge	0.089 (September 29)	0 (January–May, August–December)	0.859 (September 29)	0 (January–July, October–December)	0 (July 30–August 18)	0.103 (September 29)

Notes:

Dash (–) = station not in operation; Plus Sign (+) = metric was not calculated for that year

AEMP = Aquatic Effects Monitoring Program; KPSF = King Pond Settling Facility; LLCF = Long Lake Containment Facility; NA = not applicable; PDC = Panda Diversion Channel; TRSP = Two Rock Sedimentation Pond

Units are L/s/km^2, representing flow rate per unit area of catchment, allowing the comparison of different catchments independent of catchment area.

Dates in brackets () indicate when the minimum recorded value was observed. In the case of KPSF and Horseshoe Outflow, a value of zero was observed over several months.

[a] Since December 1997, Long Lake Outflow has been regulated as LLCF Discharge.

Table 4 Runoff Depth for AEMP Streams and Points of Discharge, 1995 to 2024

Year	Lower PDC	LLCF[a]	Slipper-Lac de Gras Stream	KPSF	Cujo Outflow	TRSP	Horseshoe Outflow	HWL4 Outflow
1995	NA	161	123	NA	–	NA	–	–
1996	NA	–	77	NA	–	NA	–	–
1997	NA	–	195	NA	–	NA	–	–
1998	NA	327	63	NA	–	NA	–	–
1999	215	410	298	NA	141	NA	–	–
2000	169	166	180	NA	160	NA	–	–
2001	75	204	194	NA	137	NA	+	–
2002	59	71	841[b]	414	261	NA	+	–
2003	55	+	88	+	198	NA	–	–
2004	80	+	85	+	202	NA	+	–
2005	171	+	113	+	111	NA	+	–
2006	254	+	268	+	176	NA	–	–
2007	106	228	88	144	94	NA	–	–
2008	153	55	130	9	73	NA	–	–
2009	121	173	96	287	112	NA	–	–
2010	137	154	107	483	180	NA	–	–
2011	93	241	93	194	95	NA	–	–
2012	137	215	138	455	172	NA	–	–
2013	135	161	132	68	77	NA	–	–
2014	61	62	77	No Discharge	28	NA	–	–
2015	145	24	128	244	120	NA	–	–

Year	Lower PDC	LLCF[a]	Slipper-Lac de Gras Stream	KPSF	Cujo Outflow	TRSP	Horseshoe Outflow	HWL4 Outflow
2016	103	327	85	607	39	NA	+	–
2017	114	82	118	228	167	NA	–	–
2018	86	19	69	146	70	138	+	–
2019	170	69	117	No Discharge	101	No Discharge	39	–
2020	–	+	–	No Discharge	–	No Discharge	–	–
2021	197	215	125	243	118	No Discharge	65.2	–
2022	59	24	47	No Discharge	27	114	16	–
2023	43	No Discharge	28	810	199	No Discharge	8	24
2024	78	No Discharge	51	477	168	105	19	46

Notes:

Dash (–) = station not in operation; Plus Sign (+) = metric was not calculated for that year

AEMP = Aquatic Effects Monitoring Program; KPSF = King Pond Settling Facility; LLCF = Long Lake Containment Facility; NA = not applicable; PDC = Panda Diversion Channel; TRSP = Two Rock Sedimentation Pond

Units are mm, representing the depth of rainfall that is converted to flow for each catchment.

[a] Since December 1997, Long Lake Outflow has been regulated as LLCF Discharge.

[b] The runoff depth for Slipper-Lac de Gras Stream includes the influence of Fox Lake Dewatering (~3 mm) during the 2002 hydrologic year.

Table 5 Total Precipitation, Runoff Depth, and Runoff Coefficients for AEMP Streams, 1999 to 2024

Year	Total Precipitation (mm)	Lower PDC		Slipper-Lac de Gras Stream		Cujo Outflow		Horseshoe Outflow		HWL4 Outflow	
		Runoff Depth (mm)	Runoff Coefficient	Runoff Depth (mm)	Runoff Coefficient	Runoff Depth (mm)	Runoff Coefficient	Runoff Depth (mm)	Runoff Coefficient	Runoff Depth (mm)	Runoff Coefficient
1999	458	+	+	298	0.65	+	+	–	–	–	–
2000	279	169	0.61	180	0.65	160	0.57	–	–	–	–
2001	336	+	+	+	+	+	+	+	+	–	–
2002	321	51	0.16	115	0.36	62	0.19	+	+	–	–
2003	288	55	0.19	88	0.31	198	0.69	–	–	–	–
2004	222	64	0.29	85	0.38	194	0.87	+	+	–	–
2005	248	171	0.69	113	0.46	111	0.45	+	+	–	–
2006	430	254	0.59	268	0.62	176	0.41	–	–	–	–
2007	257	106	0.41	88	0.34	94	0.37	–	–	–	–
2008	325	153	0.47	130	0.40	73	0.22	–	–	–	–
2009	251	121	0.48	96	0.38	112	0.45	–	–	–	–
2010	283	137	0.48	107	0.38	180	0.64	–	–	–	–
2011	384	93	0.24	93	0.24	95	0.25	–	–	–	–
2012	505	137	0.27	138	0.27	172	0.34	–	–	–	–
2013	370	135	0.36	132	0.36	77	0.21	–	–	–	–
2014	263	61	0.23	77	0.29	28	0.11	–	–	–	–
2015	265	145	0.55	128	0.48	120	0.45	–	–	–	–
2016	183	103	0.56	85	0.46	39	0.21	+	+	–	–
2017	157	114	0.73	118	0.75	167	1.06	–	–	–	–

Year	Total Precipitation (mm)	Lower PDC		Slipper-Lac de Gras Stream		Cujo Outflow		Horseshoe Outflow		HWL4 Outflow	
		Runoff Depth (mm)	Runoff Coefficient	Runoff Depth (mm)	Runoff Coefficient	Runoff Depth (mm)	Runoff Coefficient	Runoff Depth (mm)	Runoff Coefficient	Runoff Depth (mm)	Runoff Coefficient
2018	190	86	0.45	69	0.36	70	0.39	+	+	–	–
2019	272	170	0.63	117	0.43	101	0.37	39	0.14	–	–
2020	315	–	–	–	–	–	–	–	–	–	–
2021	264	197	0.74	125	0.47	118	0.44	65.2	0.24	–	–
2022	174	59.0	0.34	46.5	0.27	27.0	0.16	16.2	0.09	–	–
2023	201	43	0.22	28	0.14	199	0.99	8	0.04	24	0.12
2024	193	78	0.41	51	0.26	168	0.87	19	0.10	46	0.23

Notes:

Dash (–) = station not in operation; mm = millimetre; Plus Sign (+) = metrics was not calculated for that year

AEMP = Aquatic Effects Monitoring Program; KPSF = King Pond Settling Facility; LLCF = Long Lake Containment Facility; PDC = Panda Diversion Channel; TRSP = Two Rock Sedimentation Pond

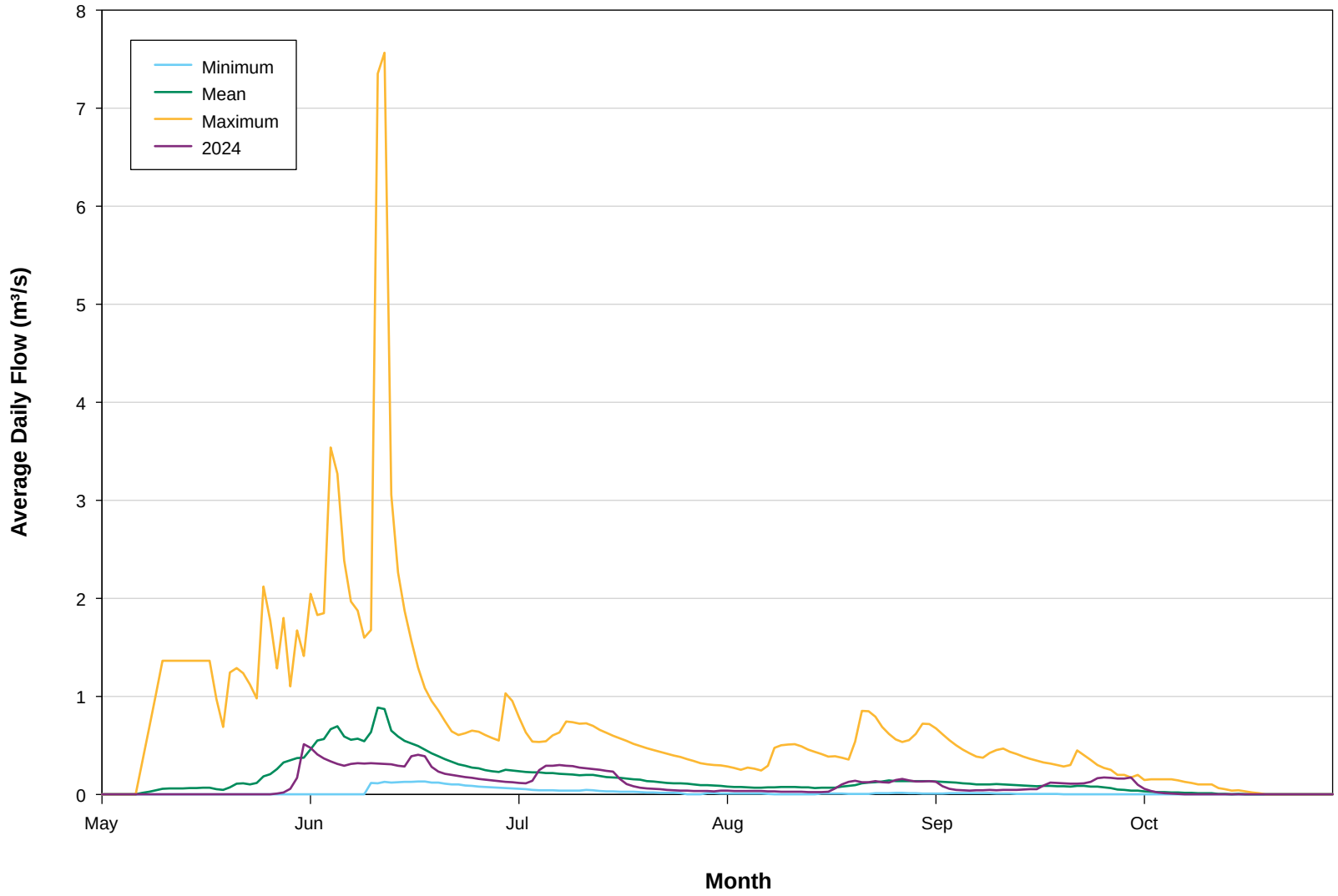


Figure 1 Comparison of 2024 Daily Lower PDC Streamflow with the Historical Record (1999 to 2024)

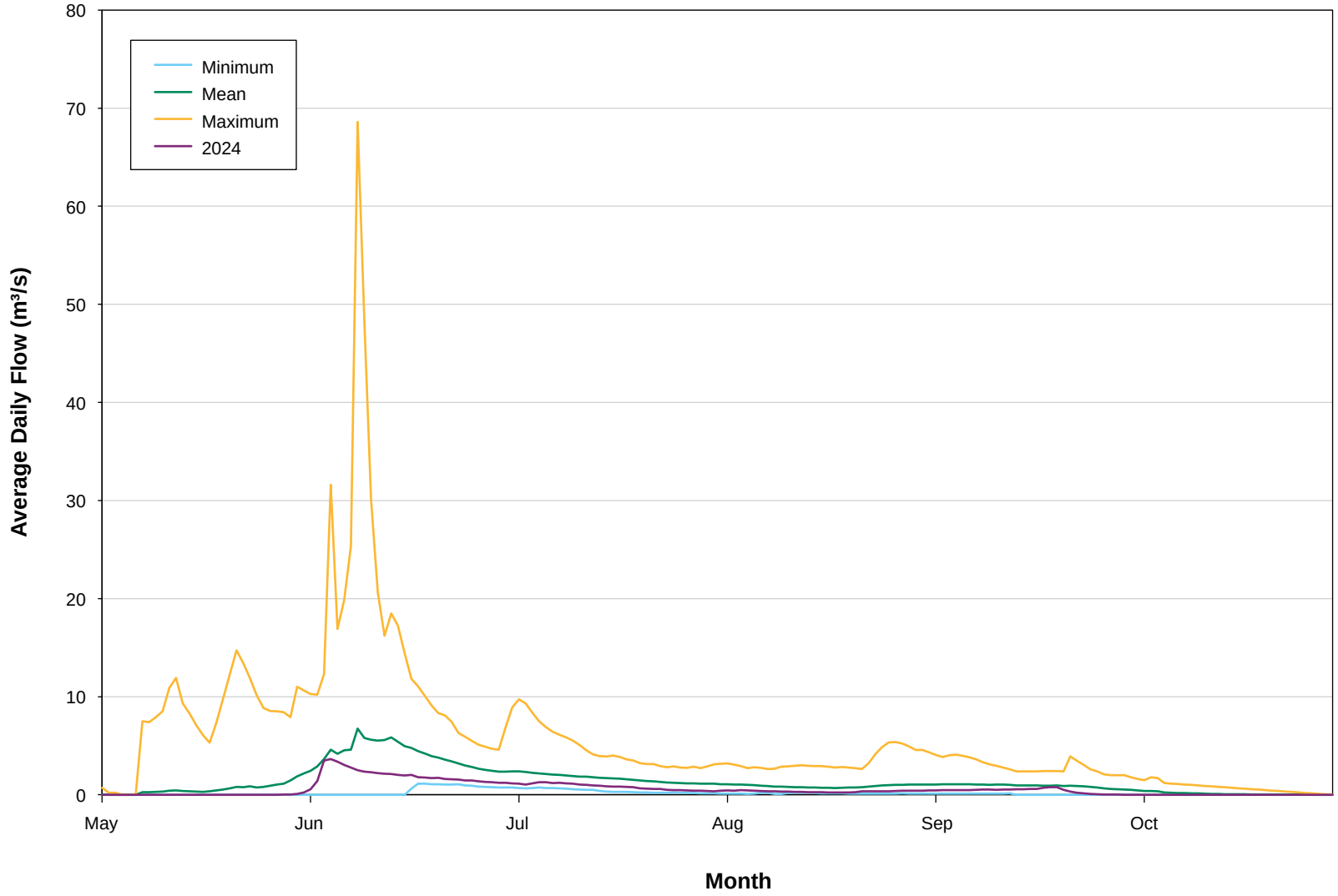


Figure 2 Comparison of 2024 Daily Streamflow for Slipper-Lac de Gras Stream with the Historical Record (1995 to 2024)

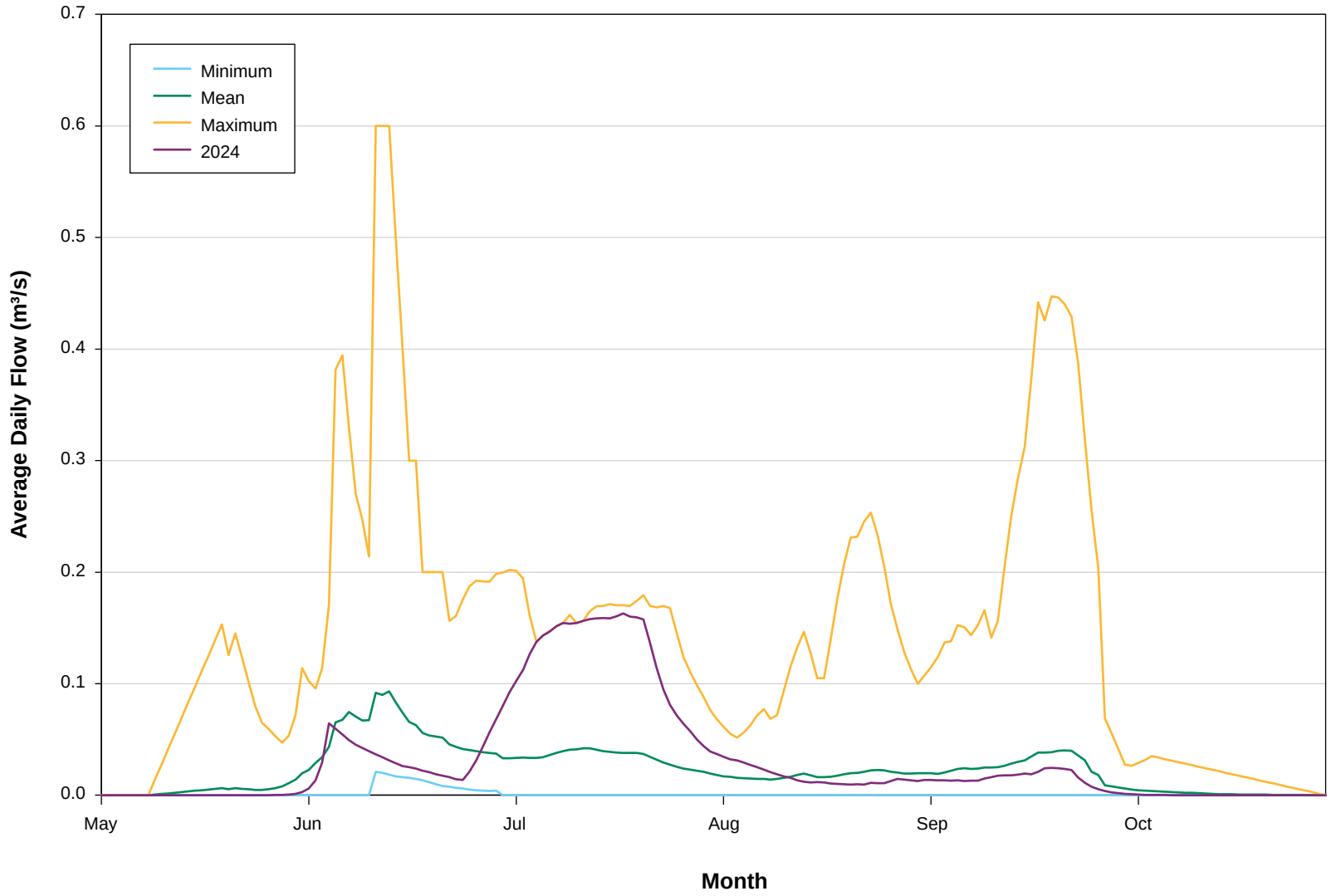


Figure 3 Comparison of 2024 Daily Cujo Outflow Streamflow with the Historical Record (1999 to 2024)

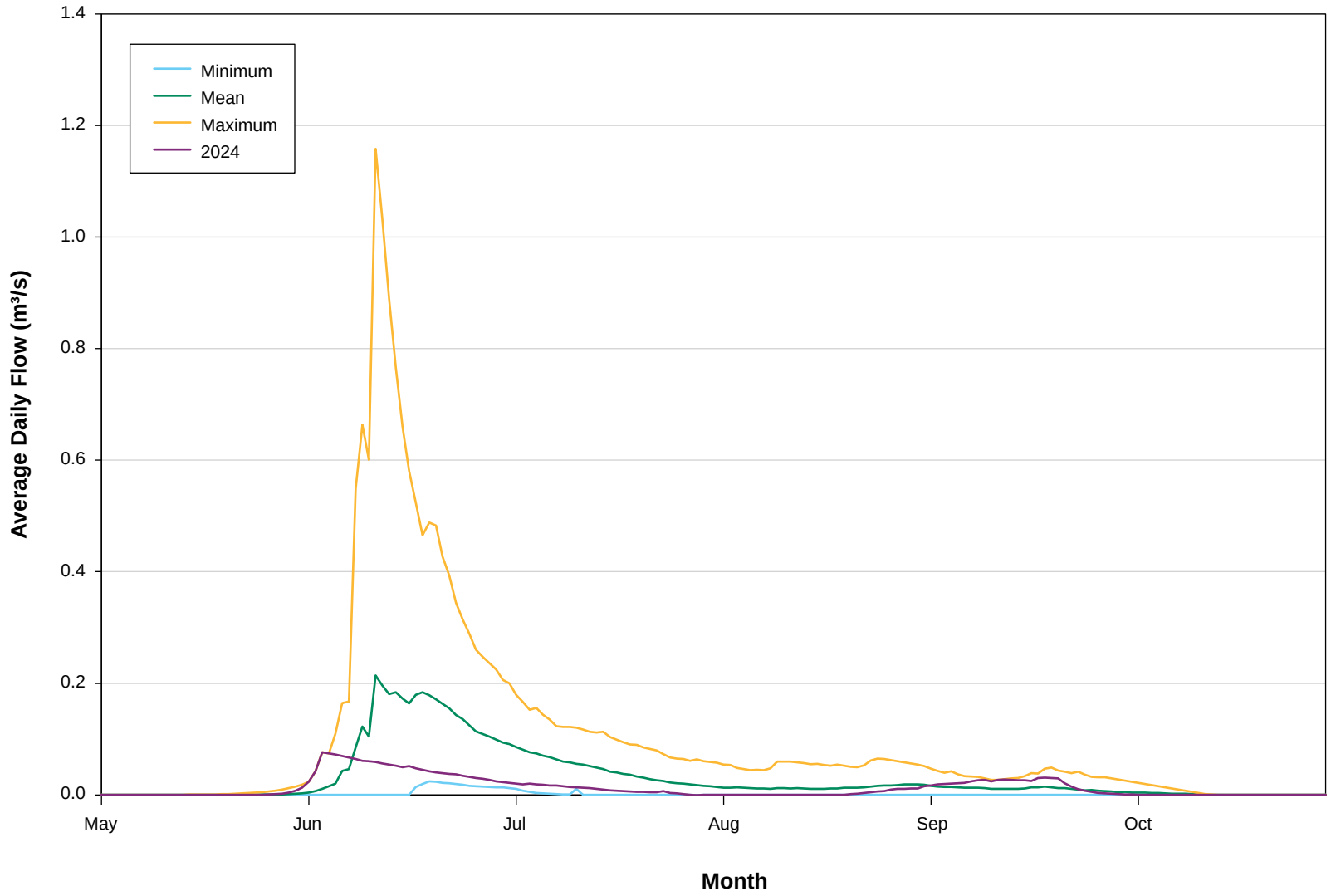
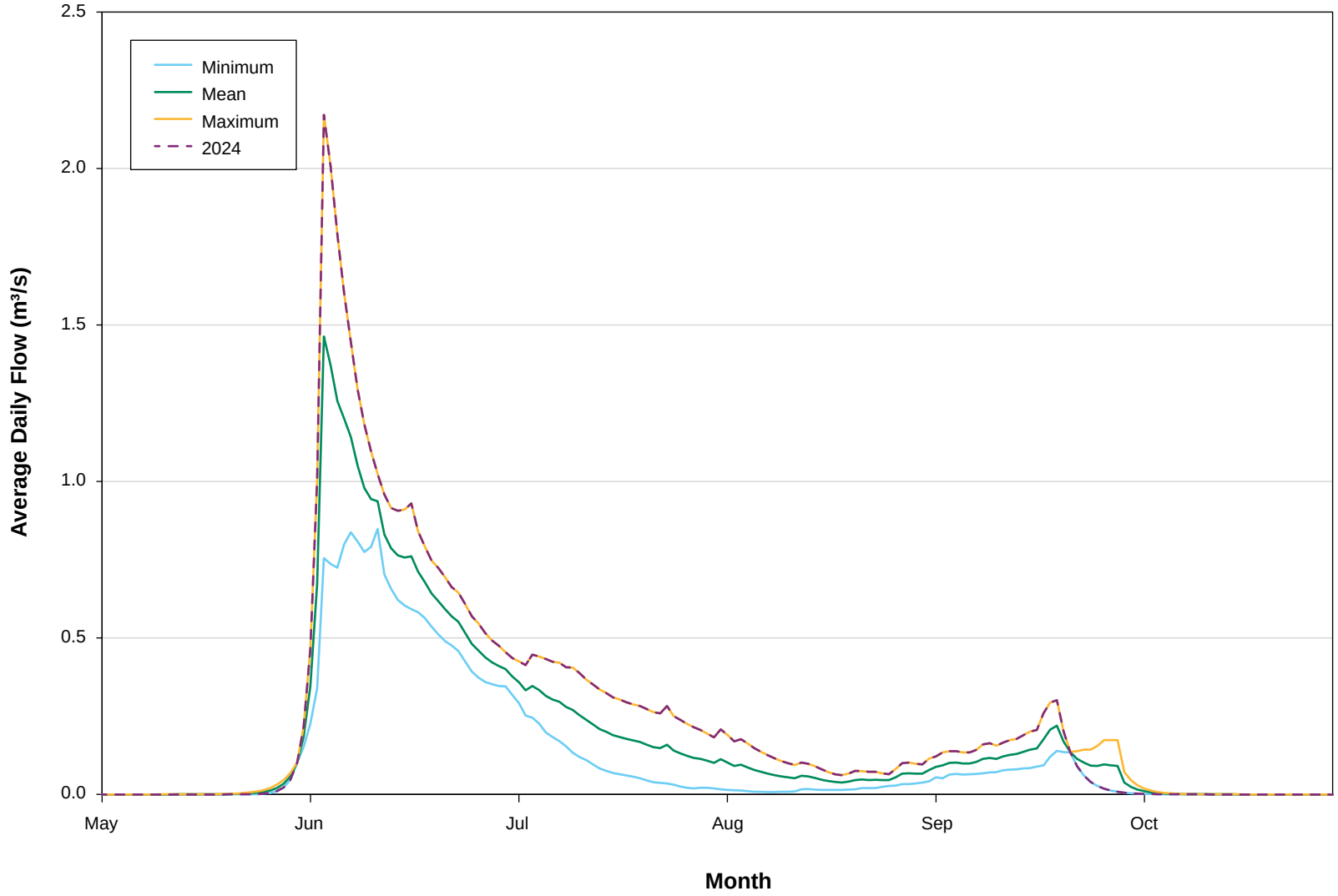


Figure 4 Comparison of 2024 Daily Horseshoe Outflow Streamflow with the Historical Record (2001 to 2024)



Note: The dashed purple 2024 hydrograph line is dashed so that it does not hide the maximum and minimum lines

Figure 5 Comparison of 2024 Daily HWL4 Outflow Streamflow with the Historical Record (2023 to 2024)

EKATI MINE

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Appendix E: Historical Small-Bodied Fish Data Summaries

April 2025

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Table E-1 Summary of Slimy Sculpin Electrofishing CPUE Data for AEMP Lakes, 2007 to 2024

Lake	Year	CPUE
Nanuq	2007	0.16
	2008	0.21
	2012	0.81
	2015	0.51
	2018	0.76
	2021	0.73
	2024	0.92
Counts	2007	1.26
	2012	0.16
	2015	0.70
	2018	0.40
	2021	0.56
	2024	0.56
Vulture	2007	2.02
	2008	0.92
	2012	0.75
	2015	0.46
	2018	0.33
	2021	0.62
	2024	0.40
Kodiak	2007	0.39
	2012	1.43
	2015	0.46
	2018	0.39
	2021	0.21
	2024	0.18
Leslie	2007	1.25
	2008	0.11
	2012	0.02
	2015	0.13

Lake	Year	CPUE
Leslie *(cont'd)*	2018	0.13
	2021	0.13
	2024	0.44
Moose	2007	1.02
	2012	0.30
	2015	0.12
	2018	0.12
	2021	0.22
	2024	0.43
Nema	2007	0.25
	2012	0.44
	2015	0.25
	2018	0.31
	2021	0.20
	2024	0.13
Slipper	2007	1.18
	2012	0.80
	2015	0.18
	2018	0.30
	2021	0.30
	2024	0.18
Cujo	2007	0.63
	2012	0.25
	2015	0.11
	2018	0.22
	2021	0.19
	2024	0.32
Horseshoe	2016	0.75
	2018	0.25
	2021	0.35
	2024	0.54

Lake	Year	CPUE
HWL2	2016	0.52
	2018	0.40
	2021	0.31
	2024	0.36
Ross	2016	0.68
	2018	0.50
	2021	0.71
	2024	1.53
Logan	2016	0.99
	2018	0.96
	2021	2.22
	2024	1.20

Notes:
AEMP = Aquatic Effects Monitoring Program; CPUE = catch per unit effort

Table E-2 Summary of Slimy Sculpin Parasite Infection Data for AEMP Lakes, 2007 to 2024

Lake	Year	No. Fish Sampled	No. Fish Infected	Infected (%)	Parasite Weight (g)					Parasite Weight as Percent of Body Weight				
					n	Mean	SE	Min.	Max.	n	Mean	SE	Min.	Max.
Nanuq	2007	5	0	0	0	-	-	-	-	0	-	-	-	-
	2012	30	2	7	2	0.31	0.09	0.22	0.40	2	19	7	11	26
	2015	30	14	47	14	0.27	0.05	0.07	0.79	14	13	1	6	19
	2018	35	4	11	4	0.32	0.05	0.22	0.40	4	16	3	9	25
	2021	35	16	46	16	0.27	0.01	0.01	1.04	16	12	2	1	22
	2024	30	2	7	2	0.11	0.05	0.08	0.14	0	-	-	-	-
Counts	2007	20	5	25	2	0.45	0.05	0.40	0.50	2	30	5	25	36
	2012	30	4	13	4	0.44	0.18	0.10	0.90	4	15	4	5	24
	2015	30	5	17	5	0.24	0.07	0.01	0.37	5	11	3	1	17
	2018	30	12	40	20	0.26	0.05	0.02	0.72	20	12	2	0	24
	2021	30	11	37	11	0.31	0.05	0.00	0.64	11	15	2	0	23
	2024	30	13	43	13	0.40	0.19	0.13	0.77	13	17	5	9	24
Vulture	2007	23	4	17	2	0.45	0.15	0.30	0.60	2	19	5	14	24
	2012	30	2	7	2	0.10	0.09	0.01	0.19	2	7	7	0	14
	2015	37	4	11	4	0.10	0.04	0.02	0.17	4	8	4	1	18
	2018	30	8	27	8	0.17	0.06	0.00	0.42	8	11	2	0	20
	2021	41	7	17	7	0.11	0.05	0.04	0.41	7	9	1	5	14
	2024	35	8	23	8	0.20	0.21	0.02	0.56	8	10	9	0	21
Northeast	2016	72	-	-	-	-	-	-	-	-	-	-	-	-
	2018	31	12	39.0	12	0.25	0.20	0.06	0.03	0.75	12	14	7	2
	2021	40	19	47.5	19	0.19	0.13	0.03	0.03	0.47	21	13	6	1
	2024	30	6	20	6	0.25	0.17	0.05	0.45	6	13	7	4	22

Lake	Year	No. Fish Sampled	No. Fish Infected	Infected (%)	Parasite Weight (g)					Parasite Weight as Percent of Body Weight				
					n	Mean	SE	Min.	Max.	n	Mean	SE	Min.	Max.
Kodiak	2007	9	5	56	5	0.46	0.05	0.30	0.60	5	16	2	10	19
	2012	32	17	53	17	0.37	0.08	0.01	1.12	17	16	3	0	35
	2015	30	8	27	8	0.46	0.02	0.38	0.58	8	20	2	13	27
	2018	31	6	19	13	0.21	0.01	0.14	0.25	13	12	1	9	17
	2021	33	15	45	15	0.30	0.05	0.03	0.75	15	12	2	1	23
	2024	43	20	47	20	0.50	0.21	0.29	0.96	20	17	7	5	33
Leslie	2007	20	5	25	3	0.40	0.10	0.30	0.60	3	24	7	16	38
	2012	1	0	0	0	-	-	-	-	0	-	-	-	-
	2015	26	4	15	4	0.24	0.07	0.12	0.45	4	11	1	9	14
	2018	30	4	13	5	0.13	0.07	0.02	0.33	5	7	3	1	16
	2021	34	12	35	12	0.18	0.04	0.00	0.39	13	10	2	1	19
	2024	31	9	29	9	0.33	0.15	0.11	0.56	9	17	4	11	23
Moose	2007	20	10	50	10	0.30	0.05	0.10	0.50	10	21	2	11	30
	2012	21	3	14	3	0.25	0.12	0.02	0.40	3	15	7	2	23
	2015	30	3	10	3	0.21	0.11	0.07	0.42	3	7	1	5	8
	2018	31	2	6	2	0.11	0.08	0.03	0.19	2	6	4	1	10
	2021	30	9	30	9	0.25	0.05	0.05	0.71	9	11	2	5	22
	2024	30	8	27	8	0.14	0.08	0.02	0.25	8	11	7	1	19
Nema	2007	12	3	25	2	0.55	0.05	0.50	0.60	2	30	8	22	38
	2012	26	3	12	3	0.28	0.08	0.11	0.36	3	18	3	13	23
	2015	30	4	13	4	0.46	0.09	0.23	0.61	4	14	3	6	19
	2018	32	7	22	9	0.41	0.11	0.02	0.97	9	9	2	1	15
	2021	30	9	30	9	0.30	0.07	0.00	0.71	10	9	2	0	17
	2024	30	10	33	6	0.23	0.18	0.00	0.45	6	8	7	0	19

Lake	Year	No. Fish Sampled	No. Fish Infected	Infected (%)	Parasite Weight (g)					Parasite Weight as Percent of Body Weight				
					n	Mean	SE	Min.	Max.	n	Mean	SE	Min.	Max.
Slipper	2007	20	2	10	2	0.45	0.35	0.10	0.80	2	15	10	6	25
	2012	29	1	3	1	0.33	-	0.33	0.33	1	5	-	5	5
	2015	30	9	30	9	0.17	0.05	0.02	0.50	9	8	2	2	19
	2018	31	14	45	18	0.28	0.07	0.01	0.93	18	15	4	1	62
	2021	30	22	73	18	0.17	0.04	0.02	0.54	18	8	1	1	18
	2024	31	9	29	9	0.31	0.18	0.11	0.66	9	18	7	10	29
Cujo	2007	20	11	55	11	0.53	0.14	0.10	1.80	11	23	3	13	44
	2012	25	19	76	19	0.51	0.07	0.03	1.38	19	18	1	1	31
	2015	31	17	55	17	0.44	0.05	0.04	0.85	17	13	1	3	25
	2018	30	8	27	16	0.36	0.09	0.01	0.80	16	9	2	0	22
	2021	31	11	35	12	0.20	0.05	0.03	0.41	12	6	1	1	14
	2024	31	19	61	19	0.41	0.28	0.10	1.26	18	14	7	3	29
Horseshoe	2016	63	-	-	-	-	-	-	-	-	-	-	-	-
	2018	31	25	81	25	0.24	0.20	0.04	0.01	0.77	25	11	6	1
	2021	39	26	67	26	0.20	0.18	0.04	0.00	0.67	26	11	8	2
	2024	30	9	30	9	0.37	0.28	0.00	0.86	9	12	9	0	26
HWL2	2016	51	-	-	-	-	-	-	-	-	-	-	-	-
	2018	33	20	61	10	0.29	0.17	0.05	0.02	0.45	10	16	9	3
	2021	34	18	53	18	0.33	0.20	0.05	0.08	0.96	18	17	6	1
	2024	31	9	29	9	0.19	0.14	0.01	0.38	9	9	5	0	15
Ross	2016	77	-	-	-	-	-	-	-	-	-	-	-	-
	2018	31	11	35	11	0.24	0.17	0.05	0.01	0.54	11	12	7	2
	2021	31	10	32	10	0.19	0.15	0.05	0.00	0.56	10	9	5	2
	2024	30	13	43	13	0.29	0.13	0.07	0.49	13	13	6	4	23

Lake	Year	No. Fish Sampled	No. Fish Infected	Infected (%)	Parasite Weight (g)					Parasite Weight as Percent of Body Weight				
					n	Mean	SE	Min.	Max.	n	Mean	SE	Min.	Max.
Logan	2016	-	-	-	-	-	-	-	-	-	-	-	-	-
	2018	31	9	29	9	0.14	0.08	0.03	0.01	0.34	9	8	4	1
	2021	38	7	18	7	0.12	0.11	0.04	0.00	0.27	7	4	3	1
	2024	30	2	7	2	0.34	0.10	0.27	0.41	2	14	3	11	16

Notes:

Dash (-) = not available; % = percent; g = gram

AEMP = Aquatic Effects Monitoring Program; max. = maximum; min. = minimum; n = sample size; no. = number; SE = standard error

Parasite infection by the tapeworm *Ligula intestinalis* only.

Table E-3 Summary of Slimy Sculpin Length and Condition Data for AEMP Lakes, 2007 to 2024

Lake	Year	Total Length (mm)					Condition				
		n	Mean	SE	Min.	Max.	n	Mean	SE	Min.	Max.
Nanuq	2007	5	54.6	6.0	42	75	5	0.82	0.04	0.7	0.9
	2012	36	51.4	2.7	14	97	36	1.12	0.11	0.7	3.6
	2015	47	55.7	2.1	21	96	47	0.90	0.02	0.7	1.5
	2018	36	51.7	1.6	38	77	36	0.86	0.02	0.7	1.3
	2021	48	50.9	1.6	30	81	42	0.86	0.02	0.7	1.1
	2024	31	59.1	2.6	28	95	30	0.39	0.07	0.0	0.9
Counts	2007	35	51.7	1.6	41	75	35	0.89	0.04	0.5	1.6
	2012	31	64.5	2.2	45	85	31	0.84	0.01	0.7	1.0
	2015	38	65.4	2.3	46	110	38	0.85	0.01	0.7	1.2
	2018	30	67.4	2.8	48	100	30	0.91	0.02	0.7	1.2
	2021	30	64.7	1.4	54	82	30	0.85	0.02	0.6	1.1
	2024	31	59.7	2.0	22	84	30	0.86	0.02	0.7	1.1
Vulture	2007	55	48.5	1.1	37	76	55	0.75	0.01	0.4	1.1
	2012	35	51.6	1.8	40	86	35	0.78	0.01	0.6	0.9
	2015	56	45.8	1.6	16	70	41	0.80	0.01	0.6	1.1
	2018	33	49.3	1.7	36	82	33	0.80	0.02	0.6	1.2
	2021	87	44.5	1.1	29	79	87	0.81	0.01	0.5	1.3
	2024	47	50.0	1.3	37	75	45	0.83	0.02	0.5	1.3
Northeast	2016	72	48.5	1.8	25	82	70	0.95	0.03	0.6	2.1
	2018	42	55.0	1.8	25	78	42	0.86	0.03	0.0	1.4
	2021	49	50.7	1.4	34	74	46	0.84	0.02	0.4	1.1
	2024	41	51.3	2.7	25	83	36	0.85	0.02	0.5	1.1

Lake	Year	Total Length (mm)					Condition				
		n	Mean	SE	Min.	Max.	n	Mean	SE	Min.	Max.
Kodiak	2007	9	65.0	2.3	54	76	9	0.85	0.03	0.7	1.0
	2012	37	60.4	1.5	46	91	37	0.81	0.02	0.6	1.2
	2015	39	62.4	1.4	45	76	39	0.83	0.02	0.7	1.2
	2018	31	65.0	1.8	48	90	31	0.85	0.01	0.7	1.0
	2021	33	67.2	1.3	50	86	33	0.80	0.02	0.5	1.0
	2024	43	66.8	1.3	52	93	43	0.85	0.01	0.7	1.1
Leslie	2007	20	59.1	2.0	46	88	20	0.79	0.02	0.7	1.1
	2012	2	50.0	21.0	29	71	2	1.23	0.41	0.8	1.6
	2015	27	66.0	1.8	50	82	26	0.87	0.01	0.7	1.1
	2018	31	53.0	2.1	20	80	31	0.83	0.02	0.7	1.3
	2021	37	56.4	1.9	36	72	37	0.82	0.02	0.6	1.1
	2024	31	62.2	1.4	46	77	31	0.87	0.02	0.5	1.1
Moose	2007	20	53.9	1.8	44	76	20	0.79	0.03	0.5	1.1
	2012	23	57.2	2.8	24	75	22	0.83	0.04	0.7	1.4
	2015	32	65.1	2.7	30	96	32	0.86	0.02	0.7	1.0
	2018	31	58.7	1.8	41	92	31	0.83	0.02	0.7	1.3
	2021	30	65.3	1.7	50	95	30	0.84	0.01	0.7	1.0
	2024	31	62.7	2.7	28	112	31	0.82	0.01	0.7	1.0
Nema	2007	12	59.7	2.4	49	78	12	0.89	0.03	0.8	1.1
	2012	36	56.3	2.8	23	87	31	0.86	0.02	0.7	1.1
	2015	32	69.8	2.5	28	97	31	0.86	0.02	0.6	1.1
	2018	33	65.3	2.9	23	102	33	0.86	0.02	0.7	1.1
	2021	30	65.1	1.4	48	82	30	0.95	0.02	0.8	1.2
	2024	33	68.8	3.0	32	116	32	0.83	0.01	0.7	1.0

Lake	Year	Total Length (mm)					Condition				
		n	Mean	SE	Min.	Max.	n	Mean	SE	Min.	Max.
Slipper	2007	29	61.6	2.8	37	122	29	0.85	0.03	0.6	1.4
	2012	29	77.8	2.5	57	111	29	0.93	0.01	0.8	1.1
	2015	31	64.9	2.7	47	100	30	0.84	0.02	0.5	1.1
	2018	34	53.5	1.7	23	74	34	0.86	0.02	0.6	1.1
	2021	32	56.1	1.5	37	75	32	0.90	0.03	0.8	1.6
	2024	466	47.9	2.9	17	93	40	0.95	0.04	0.5	2.2
Cujo	2007	20	60.6	2.2	45	81	20	0.82	0.03	0.5	1.1
	2012	25	63.9	2.0	49	87	25	0.93	0.02	0.7	1.1
	2015	31	73.5	2.2	54	99	31	0.92	0.02	0.8	1.1
	2018	35	57.6	3.1	22	99	35	0.84	0.02	0.6	1.1
	2021	31	61.7	2.3	42	80	31	0.91	0.02	0.7	1.1
	2024	35	69.2	3.2	29	115	32	0.92	0.02	0.7	1.3
Horseshoe	2016	63	48.8	1.8	25	80	56	0.85	0.02	0.7	1.2
	2018	40	53.0	3.0	21	96	40	0.88	0.03	0.4	1.5
	2021	43	53.8	1.9	19	85	40	0.85	0.02	0.6	1.4
	2024	48	55.7	3.1	30	95	41	0.88	0.02	0. 6	1.2
HWL2	2016	51	54.3	1.2	39	70	51	0.83	0.02	0.6	1.4
	2018	42	56.0	1.0	42	71	42	0.82	0.02	0.5	1.1
	2021	44	54.4	1.6	35	75	44	0.786	0.02	0.6	1.1
	2024	33	55.2	1.6	44	82	32	0.86	0.01	0.7	1.0
Ross	2016	77	51.0	1.6	24	113	77	0.83	0.01	0.5	1.2
	2018	42	55.0	2.0	24	84	42	0.90	0.03	0.7	1.9
	2021	38	59.1	2.0	41	90	38	0.81	0.02	0.6	1.1
	2024	40	59	2.1	21	97	40	0.99	0.06	0.1	2.4

Lake	Year	Total Length (mm)					Condition				
		n	Mean	SE	Min.	Max.	n	Mean	SE	Min.	Max.
Logan	2016	48	54.1	1.4	29	78	47	0.94	0.04	0.7	2.2
	2018	41	55.0	2.0	27	74	41	0.83	0.02	0.5	1.1
	2021	63	56.8	1.4	38	87	63	0.87	0.01	0.7	1.2
	2024	47	54.7	1.5	26	79	46	0.81	0.01	0.5	1.0

Notes:

mm = millimetre

AEMP = Aquatic Effects Monitoring Program; max. = maximum value; min. = minimum value; n = sample size; SE = standard error

Condition (K) is calculated as weight (g) $*10^5$) / total length $(mm)^3$.

Table E-4 Summary of Slimy Sculpin Sex Ratio Data for AEMP Lakes, 2012 to 2024

Lake	Year	Number of Males	Number of Females	Number of Unknown	Sex Ratio
Nanuq	2012	4	26	6	0.15
	2015	8	19	3	0.42
	2018	12	8	15	1.50
	2021	8	19	8	0.42
	2024	12	14	4	0.86
Counts	2012	6	17	8	0.35
	2015	21	7	2	3.00
	2018	14	6	10	2.33
	2021	9	17	4	0.53
	2024	16	8	6	2.00
Vulture	2012	7	18	17	0.39
	2015	17	18	2	0.94
	2018	9	9	12	1.00
	2021	5	31	5	0.16
	2024	9	17	9	0.53
Northeast	2016	-	-	-	-
	2018	16	6	9	2.67
	2021	15	11	14	1.36
	2024	16	8	6	2.0
Kodiak	2012	1	33	3	0.03
	2015	8	20	2	0.40
	2018	15	10	6	1.50
	2021	13	19	1	0.68
	2024	12	24	7	0.5
Leslie	2012	0	1	1	0.00
	2015	7	13	6	0.54
	2018	10	9	11	1.11
	2021	11	12	11	0.92
	2024	13	11	7	1.18
Moose	2012	7	13	3	0.54
	2015	16	12	2	1.33
	2018	15	9	7	1.67
	2021	8	16	6	0.50
	2024	18	5	7	3.60

Lake	Year	Number of Males	Number of Females	Number of Unknown	Sex Ratio
Nema	2012	8	20	8	0.40
	2015	16	12	2	1.33
	2018	11	11	10	1.00
	2021	16	12	2	1.33
	2024	13	16	1	0.81
Slipper	2012	0	25	4	0.00
	2015	10	14	6	0.71
	2018	8	10	11	0.80
	2021	8	17	5	0.47
	2024	18	11	2	1.64
Cujo	2012	2	23	0	0.09
	2015	7	17	7	0.41
	2018	14	12	4	1.17
	2021	6	12	13	0.50
	2024	14	13	4	1.08
Horseshoe	2016	-	-	-	-
	2018	2	6	23	0.33
	2021	9	11	19	0.82
	2024	11	10	9	1.10
Ross	2016	-	-	-	-
	2018	17	9	5	1.89
	2021	10	19	2	0.53
	2024	17	12	1	1.42
Logan	2016	-	-	-	-
	2018	13	11	7	1.18
	2021	12	26	0	0.46
	2024	15	14	1	1.07

Notes:

Dash (-) = not available

AEMP = Aquatic Effects Monitoring Program

The sex ratio is calculated as the proportion of males within all sexed fish (i.e., counts of "unknown" sex are excluded from the total).

Table E-5 Summary of Slimy Sculpin Gonadosomatic Index Data for AEMP Lakes, 2012 to 2024

Lake	Year	Sex	GSI				
			n	Mean	SE	Min.	Max.
Nanuq	2012	F	15	1.64	0.37	0.67	5.17
		M	4	2.20	0.77	1.55	3.37
		U	-	-	-	-	-
	2015	F	19	1.17	0.16	0.31	2.52
		M	8	1.69	0.27	0.10	2.61
		U	-	-	-	-	-
	2018	F	5	1.52	0.25	0.74	2.03
		M	11	1.37	0.06	0.93	1.66
		U	-	-	-	-	-
	2021	F	9	1.19	0.18	0.51	1.89
		M	7	1.01	0.19	0.34	1.57
		U	0	-	-	-	-
	2024	F	8	1.45	0.17	0.49	1.99
		M	2	1.29	0.27	1.10	1.48
		U	-	-	-	-	-
Counts	2012	F	16	1.62	0.14	0.30	2.31
		M	6	1.37	0.38	0.01	2.32
		U	-	-	-	-	-
	2015	F	2	1.25	0.21	1.03	1.46
		M	20	1.65	0.11	0.37	2.55
		U	-	-	-	-	-
	2018	F	3	1.81	0.06	1.70	1.88
		M	10	1.44	0.12	0.93	2.04
		U	-	-	-	-	-
	2021	F	8	1.16	0.10	0.62	1.44
		M	7	1.40	0.18	0.90	2.20
		U	0	-	-	-	-
	2024	F	7	0.90	0.14	0.46	1.39
		M	16	0.69	0.13	0.17	1.70
		U	-	-	-	-	-

Lake	Year	Sex	GSI				
			n	Mean	SE	Min.	Max.
Vulture	2012	F	15	1.31	0.14	0.30	2.08
		M	7	1.58	0.29	0.31	2.35
		U	-	-	-	-	-
	2015	F	12	1.24	0.15	0.51	2.40
		M	16	1.27	0.08	0.81	1.97
		U	-	-	-	-	-
	2018	F	7	1.45	0.19	0.91	2.18
		M	5	1.30	0.26	0.46	1.83
		U	-	-	-	-	-
	2021	F	23	1.74	0.08	1.24	2.90
		M	1	1.10	-	1.10	1.10
		U	0	-	-	-	-
	2024	F	10	1.10	0.17	0.32	2.05
		M	6	0.67	0.17	0.20	1.15
		U	-	-	-	-	-
Northeast	2016	F	-	-	-	-	-
		M	-	-	-	-	-
		U	0	-	-	-	-
	2018	F	3	1.95	0.28	1.47	2.45
		M	14	1.81	0.18	0.76	3.88
		U	0	-	-	-	-
	2021	F	4	1.49	0.25	0.76	1.89
		M	10	1.06	0.14	0.16	1.52
		U	0	-	-	-	-
	2024	F	6	1.70	0.16	1.26	2.28
		M	12	1.44	0.12	0.68	2.18
		U	-	-	-	-	-

Lake	Year	Sex	GSI				
			n	Mean	SE	Min.	Max.
Kodiak	2012	F	21	1.14	0.09	0.17	1.72
		M	1	0.88	-	0.88	0.88
		U	-	-	-	-	-
	2015	F	20	1.28	0.13	0.08	1.97
		M	8	1.23	0.17	0.23	1.78
		U	-	-	-	-	-
	2018	F	6	2.18	0.07	1.94	2.44
		M	15	1.65	0.11	1.11	2.65
		U	-	-	-	-	-
	2021	F	11	1.48	0.15	0.71	2.15
		M	10	1.21	0.22	0.18	1.96
		U	0	-	-	-	-
	2024	F	18	1.24	0.12	0.05	2.20
		M	10	1.32	0.27	0.48	2.04
		U	-	-	-	-	-
Leslie	2012	F	1	1.07	-	1.07	1.07
		M	0	-	-	-	-
		U	-	-	-	-	-
	2015	F	13	1.48	0.42	0.26	6.30
		M	6	1.44	0.15	0.82	1.81
		U	-	-	-	-	-
	2018	F	5	1.11	0.30	0.25	1.99
		M	7	1.53	0.20	0.52	1.92
		U	-	-	-	-	-
	2021	F	7	1.23	0.19	0.58	1.91
		M	9	1.42	0.17	0.56	2.24
		U	0	-	-	-	-
	2024	F	11	1.05	0.13	0.36	1.75
		M	13	1.31	0.09	0.55	1.83
		U	6	0.40	0.12	0.07	0.82

Lake	Year	Sex	GSI				
			n	Mean	SE	Min.	Max.
Moose	2012	F	10	1.01	0.15	0.49	1.66
		M	7	1.31	0.17	0.43	1.89
		U	-	-	-	-	-
	2015	F	12	1.04	0.16	0.37	2.04
		M	15	1.49	0.16	0.22	2.25
		U	-	-	-	-	-
	2018	F	4	1.09	0.27	0.69	1.87
		M	12	1.32	0.08	0.98	1.84
		U	-	-	-	-	-
	2021	F	13	1.26	0.10	0.68	1.83
		M	8	1.56	0.12	0.96	2.12
		U	0	-	-	-	-
	2024	F	5	1.50	0.07	1.28	1.75
		M	17	1.19	0.09	0.25	1.63
		U	-	-	-	-	-
Nema	2012	F	14	1.09	0.12	0.57	2.02
		M	8	1.25	0.21	0.45	2.50
		U	-	-	-	-	-
	2015	F	11	1.08	0.11	0.38	1.48
		M	16	1.17	0.12	0.38	2.00
		U	-	-	-	-	-
	2018	F	8	1.13	0.19	0.54	1.84
		M	9	1.40	0.15	0.65	2.11
		U	-	-	-	-	-
	2021	F	9	1.11	0.11	0.57	1.48
		M	16	1.40	0.10	0.44	1.92
		U	0	-	-	-	-
	2024	F	15	1.58	0.11	0.85	2.20
		M	9	1.68	0.10	1.37	2.13
		U	-	-	-	-	-

Lake	Year	Sex	GSI				
			n	Mean	SE	Min.	Max.
Slipper	2012	F	24	1.49	0.09	0.55	2.15
		M	0	-	-	-	-
		U	-	-	-	-	-
	2015	F	12	1.35	0.23	0.50	3.07
		M	7	1.20	0.26	0.64	2.18
		U	-	-	-	-	-
	2018	F	4	0.78	0.07	0.66	0.97
		M	4	1.28	0.09	1.09	1.48
		U	-	-	-	-	-
	2021	F	4	1.07	0.29	0.39	1.73
		M	3	1.37	0.34	0.70	1.79
		U	0	-	-	-	-
	2024	F	11	1.14	0.17	0.33	2.02
		M	18	0.96	0.09	0.41	1.73
		U	1	0.42	-	0.42	0.42
Cujo	2012	F	14	0.84	0.11	0.30	1.54
		M	0	-	-	-	-
		U	-	-	-	-	-
	2015	F	14	1.06	0.13	0.07	1.67
		M	7	2.07	0.36	0.32	3.49
		U	-	-	-	-	-
	2018	F	7	1.03	0.23	0.47	2.31
		M	10	1.56	0.08	1.19	1.95
		U	-	-	-	-	-
	2021	F	4	0.94	0.17	0.62	1.23
		M	5	1.81	0.11	1.64	2.23
		U	0	-	-	-	-
	2024	F	6	1.07	0.30	0.27	1.93
		M	11	1.64	0.18	0.48	3.2.22
		U	-	-	-	-	-

Lake	Year	Sex	GSI				
			n	Mean	SE	Min.	Max.
Horseshoe	2016	F	-	-	-	-	-
		M	-	-	-	-	-
		U	-	-	-	-	-
	2018	F	3	1.58	0.55	0.54	2.41
		M	2	1.95	0.14	1.81	2.09
		U	0	-	-	-	-
	2021	F	4	0.94	0.33	0.55	1.93
		M	5	1.17	0.26	0.16	1.72
		U	0	-	-	-	-
	2024	F	9	1.87	0.15	0.84	2.37
		M	10	1.77	0.11	1.25	2.50
		U	-	-	-	-	-
HWL2	2016	F	-	-	-	-	-
		M	-	-	-	-	-
		U	-	-	-	-	-
	2018	F	10	1.88	0.14	1.04	2.74
		M	10	1.69	0.17	0.31	2.16
		U	0	-	-	-	-
	2021	F	8	1.29	0.20	0.43	1.90
		M	9	1.35	0.13	0.58	1.74
		U	0	-	-	-	-
	2024	F	7	0.87	0.12	0.46	1.36
		M	11	1.22	0.18	0.31	2.33
		U	1	0.67	-	0.67	0.67
Ross	2016	F	-	-	-	-	-
		M	-	-	-	-	-
		U	-	-	-	-	-
	2018	F	3	1.60	0.47	0.68	2.19
		M	12	1.78	0.12	0.87	2.52
		U	0	-	-	-	-

Lake	Year	Sex	GSI				
			n	Mean	SE	Min.	Max.
Ross *(cont'd)*	2021	F	13	1.29	0.10	0.69	2.06
		M	6	1.50	0.30	0.25	2.23
		U	0	-	-	-	-
	2024	F	11	0.84	0.07	0.25	1.52
		M	14	1.11	0.13	0.47	2.25
		U					
Logan	2016	F	-	-	-	-	-
		M	-	-	-	-	-
		U	-	-	-	-	-
	2018	F	5	1.62	0.31	0.80	2.15
		M	12	1.85	0.12	1.31	2.92
		U	0	-	-	-	-
	2021	F	26	1.61	0.09	0.67	2.32
		M	8	1.44	0.19	0.24	1.97
		U	0	-	-	-	-
	2024	F	10	1.49	0.14	0.85	2.24
		M	12	1.55	0.12	1.01	2.20
		U	-	-	-	-	-

Notes:

Dash (-) = not available

AEMP = Aquatic Effects Monitoring Program; F = female; GSI = gonadosomatic index; M = male; max. = maximum; min. = minimum; n = sample size; SE = standard error; U = unidentified

GSI is calculated as gonad weight / body weight times 100. Only fish with ripe gonads were considered for GSI.

Table E-6 Summary of Slimy Sculpin Liver Somatic Index Data for AEMP Lakes, 2012 to 2024

Lake	Year	Sex	LSI				
			n	Mean	SE	Min.	Max.
Nanuq	2012	F	26	1.84	0.16	0.56	3.43
		M	4	1.28	0.26	0.70	1.96
		U	0	-	-	-	-
	2015	F	19	2.69	0.27	1.52	5.39
		M	8	2.80	0.30	2.02	4.58
		U	3	2.37	0.83	1.15	3.95
	2018	F	8	3.45	0.38	1.89	4.98
		M	12	2.84	0.23	1.62	4.51
		U	15	2.17	0.28	0.25	3.61
	2021	F	19	2.70	0.53	0.47	11.60
		M	8	1.97	0.11	1.67	2.57
		U	7	1.80	0.20	0.94	2.71
	2024	F	11	4.01	0.28	2.45	5.56
		M	3	3.51	0.12	3.29	3.69
		U	1	2.56	-	2.56	2.56
Counts	2012	F	16	2.63	0.23	1.08	4.54
		M	6	1.96	0.16	1.49	2.52
		U	8	2.64	0.40	0.82	4.27
	2015	F	7	2.59	0.15	2.04	3.15
		M	21	2.87	0.17	1.58	4.19
		U	2	2.66	0.69	1.97	3.35
	2018	F	6	3.83	0.88	0.61	5.78
		M	14	2.89	0.30	1.69	5.44
		U	10	2.45	0.21	1.16	3.25
	2021	F	17	3.28	0.37	0.76	5.36
		M	9	2.55	0.27	1.74	4.35
		U	4	1.41	0.18	0.98	1.82
	2024	F	8	2.78	0.41	1.53	4.78
		M	16	2.38	0.18	1.38	4.33
		U	6	1.95	0.20	1.38	2.69

Lake	Year	Sex	LSI				
			n	Mean	SE	Min.	Max.
Vulture	2012	F	17	2.23	0.19	1.32	4.26
		M	7	2.11	0.31	1.01	3.46
		U	6	2.31	0.06	2.15	2.57
	2015	F	18	2.20	0.17	1.32	3.53
		M	16	1.86	0.11	1.32	2.65
		U	2	1.93	0.22	1.71	2.15
	2018	F	9	2.75	0.27	1.67	3.95
		M	9	2.22	0.30	0.79	3.78
		U	12	2.01	0.21	1.06	3.30
	2021	F	28	2.38	0.17	1.12	5.04
		M	5	2.39	0.22	1.91	3.22
		U	3	2.26	0.09	2.08	2.37
	2024	F	17	3.36	0.30	1.34	6.13
		M	9	3.47	0.29	1.88	4.47
		U	9	2.84	0.19	2.12	3.64
Northeast	2016	F	-	-	-	-	-
		M	-	-	-	-	-
		U	0	-	-	-	-
	2018	F	3	1.95	0.28	1.47	2.45
		M	14	1.81	0.18	0.76	3.88
		U	0	-	-	-	-
	2021	F	4	1.49	0.25	0.76	1.89
		M	10	1.06	0.14	0.16	1.52
		U	0	-	-	-	-
	2024	F	8	3.27	0.46	1.81	5.79
		M	16	2.68	0.16	1.60	3.89
		U	6	2.33	0.18	1.85	3.07

Lake	Year	Sex	LSI				
			n	Mean	SE	Min.	Max.
Kodiak	2012	F	30	1.81	0.09	1.00	2.74
		M	1	0.99	-	0.99	0.99
		U	2	1.75	0.26	1.49	2.01
	2015	F	20	2.77	0.18	1.07	3.76
		M	8	2.11	0.29	1.03	3.32
		U	2	1.66	0.14	1.52	1.80
	2018	F	9	3.98	0.48	1.82	5.81
		M	15	2.81	0.24	1.89	5.02
		U	6	1.78	0.32	0.90	3.14
	2021	F	19	2.42	0.24	0.92	4.18
		M	13	2.00	0.16	1.23	3.17
		U	1	1.98	-	1.98	1.98
	2024	F	24	2.50	0.18	0.85	3.68
		M	12	2.55	0.29	1.13	4.01
		U	3	2.13	0.60	0.94	2.87
Leslie	2012	F	1	3.70	-	3.70	3.70
		M	0	-	-	-	-
		U	0	-	-	-	-
	2015	F	13	3.59	0.44	1.12	6.60
		M	7	2.78	0.28	1.59	3.70
		U	6	3.10	0.64	1.40	4.98
	2018	F	9	2.82	0.34	1.32	4.28
		M	10	2.39	0.32	0.96	4.42
		U	11	2.23	0.29	1.01	4.44
	2021	F	12	2.70	0.37	1.06	5.52
		M	11	2.22	0.12	1.51	2.93
		U	11	1.63	0.14	0.68	2.25
	2024	F	11	3.68	0.14	2.89	4.31
		M	13	2.84	0.12	2.37	3.71
		U	7	2.63	0.26	1.40	3.42

Lake	Year	Sex	LSI				
			n	Mean	SE	Min.	Max.
Moose	2012	F	13	2.39	0.29	1.05	3.90
		M	7	2.42	0.25	1.76	3.56
		U	1	2.39	-	2.39	2.39
	2015	F	12	4.07	0.36	2.08	6.68
		M	16	3.41	0.19	2.55	5.09
		U	2	1.69	0.78	0.90	2.47
	2018	F	9	4.10	0.50	1.62	6.22
		M	15	2.65	0.20	1.34	4.28
		U	7	3.03	0.41	1.94	4.89
	2021	F	16	3.83	0.40	1.22	7.29
		M	7	3.05	0.27	2.04	3.90
		U	6	2.06	0.29	1.27	3.25
	2024	F	5	4.23	0.40	3.26	5.07
		M	18	3.27	0.26	1.65	5.24
		U	7	3.12	0.61	1.95	6.32
Nema	2012	F	17	2.72	0.26	1.15	5.39
		M	6	2.90	0.19	2.39	3.65
		U	1	2.02	-	2.02	2.02
	2015	F	12	5.50	1.34	2.01	19.03
		M	16	2.52	0.19	1.26	3.61
		U	2	1.78	0.14	1.64	1.92
	2018	F	11	3.76	0.41	2.10	6.21
		M	11	3.26	0.25	2.30	5.10
		U	10	2.37	0.21	1.72	3.93
	2021	F	12	4.13	0.53	1.57	7.29
		M	15	3.91	0.39	2.25	8.27
		U	2	3.27	0.53	2.74	3.80
	2024	F	16	3.80	0.25	1.38	5.51
		M	12	3.05	0.19	1.90	4.30
		U	1	2.90	-	2.90	2.90

Lake	Year	Sex	LSI				
			n	Mean	SE	Min.	Max.
Slipper	2012	F	25	4.03	0.19	2.24	5.63
		M	0	-	-	-	-
		U	4	5.26	0.32	4.45	5.87
	2015	F	14	4.36	1.06	1.59	17.74
		M	10	8.39	4.77	1.78	49.28
		U	6	2.16	0.36	1.18	3.48
	2018	F	10	2.85	0.18	1.94	3.65
		M	8	3.30	0.42	1.98	5.66
		U	11	2.36	0.27	1.40	4.33
	2021	F	17	2.65	0.24	1.26	5.13
		M	8	2.55	0.21	1.96	3.52
		U	5	2.23	0.21	1.72	2.73
	2024	F	11	3.25	0.26	2.33	5.39
		M	18	3.01	0.21	1.81	5.30
		U	2	3.64	0.72	2.93	4.36
Cujo	2012	F	22	2.36	0.14	1.39	3.53
		M	2	2.36	0.73	1.63	3.09
		U	0	-	-	-	-
	2015	F	17	4.30	0.34	2.24	7.55
		M	7	2.80	0.24	1.86	3.61
		U	7	2.92	0.25	1.82	3.62
	2018	F	12	3.61	0.30	1.83	5.01
		M	14	2.94	0.14	2.33	4.20
		U	4	3.35	0.91	1.88	5.84
	2021	F	12	4.88	0.19	3.59	5.74
		M	6	4.37	0.31	3.60	5.27
		U	12	3.40	0.17	2.38	4.34
	2024	F	13	3.38	0.39	1.21	6.04
		M	13	3.41	0.22	2.24	5.27
		U	4	2.98	0.43	2.11	3.79

Lake	Year	Sex	LSI				
			n	Mean	SE	Min.	Max.
Horseshoe	2016	F	-	-	-	-	-
		M	-	-	-	-	-
		U	-	-	-	-	-
	2018	F	3	1.58	0.55	0.54	2.41
		M	2	1.95	0.14	1.81	2.09
		U	0	-	-	-	-
	2021	F	4	0.94	0.33	0.55	1.93
		M	5	1.17	0.26	0.16	1.72
		U	0	-	-	-	-
	2024	F	10	3.98	0.25	2.58	5.45
		M	11	3.53	0.25	2.44	5.01
		U	9	3.06	0.49	1.41	6.10
HWL2	2016	F	-	-	-	-	-
		M	-	-	-	-	-
		U	-	-	-	-	-
	2018	F	10	1.88	0.14	1.04	2.74
		M	10	1.69	0.17	0.31	2.16
		U	0	-	-	-	-
	2021	F	8	1.29	0.20	0.43	1.90
		M	9	1.35	0.13	0.58	1.74
		U	0	-	-	-	-
	2024	F	7	3.22	0.28	2.01	4.16
		M	13	3.07	0.21	2.20	4.45
		U	11	3.05	0.42	1.63	6.37
Ross	2016	F	-	-	-	-	-
		M	-	-	-	-	-
		U	-	-	-	-	-
	2018	F	3	1.60	0.47	0.68	2.19
		M	12	1.78	0.12	0.87	2.52
		U	0	-	-	-	-

Lake	Year	Sex	LSI				
			n	Mean	SE	Min.	Max.
Ross *(cont'd)*	2021	F	13	1.29	0.10	0.69	2.06
		M	6	1.50	0.30	0.25	2.23
		U	0	-	-	-	-
	2024	F	12	2.77	0.23	1.33	4.06
		M	17	3.24	0.18	1.85	4.73
		U	1	4.24	-	4.24	4.24
Logan	2016	F	-	-	-	-	-
		M	-	-	-	-	-
		U	-	-	-	-	-
	2018	F	5	1.62	0.31	0.80	2.15
		M	12	1.85	0.12	1.31	2.92
		U	0	-	-	-	-
	2021	F	26	1.61	0.09	0.67	2.32
		M	8	1.44	0.19	0.24	1.97
		U	0	-	-	-	-
	2024	F	14	3.63	0.26	2.44	5.41
		M	15	2.69	0.18	1.75	4.24
		U	1	3.56	-	3.56	3.56

Notes:

Dash (-) = not available

AEMP = Aquatic Effects Monitoring Program; F = female; LSI = liver somatic index; M = male; max. = maximum; min. = minimum; n = sample size; SE = standard error; U = unidentified

LSI is calculated as liver weight / body weight times 100.

Table E-7 Summary of Slimy Sculpin Diet Data for AEMP Lakes, 2012 to 2024

Lake	Year	n	Stomach Contents			
			Mean Abundance	Mean Dry Mass (mg)	<1% Count	<1% Weight
Nanuq	2012	30	29	7.90	Plecoptera, Coleoptera, Other Diptera	-
	2015	30	21	2.10	Other Organisms, Other Diptera, Arachnida	Other Organisms, Other Insects, Arachnida
	2018	31	14	2.40	Trichoptera	Other Diptera, Other Insects
	2021	35	9	1.73	Other Organisms	Coleoptera, Other Organisms
	2024	30	22	3.09	-	-
Counts	2012	30	71	14.80	Trichoptera	-
	2015	30	19	2.60	Trichoptera, Other Organisms, Coleoptera	Other Organisms, Crustacea, Coleoptera
	2018	30	31	5.80	Coleoptera, Other Organisms, Other Insects, Other Diptera	Coleoptera, Other Organisms
	2021	30	31	3.84	Coleoptera, Non-Food (Cases, Plant, Pebble, etc.), Other Organisms	Coleoptera, Other Organisms
	2024	30	22	2.10	Arachnida, Crustacea, Other Diptera, Other Insects, Other Organisms, Trichoptera	Arachnida, Crustacea
Vulture	2012	30	63	11.10	Fish, Plecoptera, Other Diptera	-
	2015	30	22	0.80	Plecoptera, Other Organisms, Other Insects, Coleoptera	Plecoptera, Other Organisms, Other Insects
	2018	30	15	1.00	Arachnida, Coleoptera, Other Insects, Other Organisms, Trichoptera	Arachnida, Coleoptera, Other Organisms, Trichoptera
	2021	41	22	1.53	Arachnida, Coleoptera, Trichoptera	Arachnida, Coleoptera, Trichoptera
	2024	30	17	1.56	Coleoptera, Trichoptera	Coleoptera, Trichoptera

Lake	Year	n	Stomach Contents			
			Mean Abundance	Mean Dry Mass (mg)	<1% Count	<1% Weight
Kodiak	2012	30	4	2.80	Fish	-
	2015	30	8	2.30	Arachnida	Other Insects, Arachnida
	2018	30	6	5.60	Coleoptera, Other Insects, Trichoptera	Coleoptera, Crustacea, Trichoptera
	2021	33	14	2.03	Coleoptera, Non-Food (Cases, Plant, Pebble, etc.), Other Organisms	Coleoptera, Other Organisms, Trichoptera
	2024	29	12	3.47	Other Organisms, Trichoptera, Plecoptera	Other Insects, Other Organisms, Plecoptera
Leslie	2012	1	9	19.00	-	-
	2015	26	33	2.10	Trichoptera, Other Insects, Other Diptera, Arachnida	Other Insects, Crustacea
	2018	30	8	0.71	Arachnida	Arachnida, Other Organisms
	2021	34	13	3.43	-	Arachnida, Coleoptera, Other Insects
	2024	30	30	2.43	Arachnida, Coleoptera, Mollusca, Other Diptera, Other Insects, Other Organisms, Trichoptera	Arachnida, Coleoptera, Mollusca, Other Diptera, Other Insects, Other Organisms, Trichoptera
Moose	2012	21	40	5.30	Hemiptera, Plecoptera, Other Diptera, Trichoptera	-
	2015	30	19	2.50	Plecoptera, Other Insects, Hemiptera, Coleoptera	Plecoptera, Crustacea, Coleoptera
	2018	31	20	1.97	Arachnida, Coleoptera, Other Diptera, Other Insects	Other Insects
	2021	30	13	1.88	Hemiptera	Hemiptera, Trichoptera
	2024	30	25	3.01	Hemiptera, Other Diptera, Other Organisms, Trichoptera	Other Diptera, Other Organisms, Trichoptera

Lake	Year	n	Stomach Contents			
			Mean Abundance	Mean Dry Mass (mg)	<1% Count	<1% Weight
Nema	2012	30	39	25.30	Arachnida, Plecoptera, Hemiptera, Trichoptera, Mollusca, Other Organisms, Other Diptera	-
	2015	30	21	3.00	Trichoptera, Other Insects	Trichoptera
	2018	32	24	3.26	Arachnida, Coleoptera, Other Diptera, Other Insects, Fish, Plecoptera, Trichoptera	Arachnida, Coleoptera, Other Diptera, Plecoptera
	2021	30	14	1.30	Non-Food (Cases, Plant, Pebble, etc.), Other Organisms, Plecoptera	Other Diptera, Other Organisms, Plecoptera
	2024	30	33	5.12	Fish, Hemiptera, Other Organisms, Trichoptera	Hemiptera, Other Organisms, Trichoptera
Slipper	2012	29	82	41.00	Other Insects, Trichoptera, Hemiptera, Coleoptera, Mollusca, Other Organisms, Crustacea	Coleoptera, Hemiptera
	2015	29	13	2.60	Trichoptera, Mollusca, Arachnida	Mollusca, Arachnida
	2018	30	15	1.41	Coleoptera, Other Insects	Arachnida, Coleoptera
	2021	30	13	2.08	Coleoptera, Mollusca, Other Insects, Other Organisms	Coleoptera, Mollusca, Other Insects, Other Organisms
	2024	30	16	1.64	Arachnida, Mollusca, Other Organisms, Trichoptera	Arachnida, Mollusca, Other Organisms
Cujo	2012	25	17	6.64	Trichoptera, Plecoptera, Coleoptera, Arachnida	Arachnida, Plecoptera
	2015	30	14	5.40	Trichoptera, Other Organisms, Other Insects, Hemiptera	Other Organisms, Other Insects, Other Diptera
	2018	30	16	3.34	Coleoptera, Hemiptera, Mollusca, Other Insects	Coleoptera, Hemiptera, Mollusca

Lake	Year	n	Stomach Contents			
			Mean Abundance	Mean Dry Mass (mg)	<1% Count	<1% Weight
Cujo *(cont'd)*	2021	31	20	3.49	Arachnida, Coleoptera, Other Insects, Trichoptera	Arachnida, Coleoptera, Other Insects, Other Organisms
	2024	30	16	6.11	Arachnida, Coleoptera, Hemiptera, Other Diptera, Other Insects	Arachnida, Coleoptera, Other Insects, Other Organisms
Northeast	2016	-	-	-	-	-
	2018	30	18	4.38	Arachnida	Arachnida, Coleoptera, Trichoptera
	2021	40	21	2.92	-	-
	2024	30	14	2.91	Coleoptera, Hemiptera, Trichoptera	Coleoptera, Other Organisms, Plecoptera, Trichoptera
Horseshoe	2016	-	-	-	-	-
	2018	30	18	4.80	Arachnida, Coleoptera, Other Insects, Other Organisms, Trichoptera	Arachnida, Coleoptera, Crustacea, Other Insects, Other Organisms
	2021	39	15	1.54	Arachnida	Arachnida
	2024	30	34	9.05	Coleoptera, Crustacea, Hemiptera, Other Organisms, Trichoptera	Coleoptera, Crustacea, Hemiptera, Other Organisms
HWL2	2016	-	-	-	-	-
	2018	30	13	1.15	Hemiptera, Other Insects	Coleoptera, Crustacea, Hemiptera
	2021	34	11	3.53	Non-Food (Cases, Plant, Pebble, etc.), Other Insects, Plecoptera	Crustacea, Other Insects, Other Organisms, Plecoptera
	2024	30	20	2.35	Other Organisms, Trichoptera	Crustacea, Other Organisms

Lake	Year	n	Stomach Contents			
			Mean Abundance	Mean Dry Mass (mg)	<1% Count	<1% Weight
Ross	2016	-	-	-	-	-
	2018	30	21	2.54	Arachnida, Coleoptera, Hemiptera, Other Organisms	Arachnida, Hemiptera, Other Insects, Other Organisms
	2021	31	13	1.46	Other Insects	-
	2024	30	18	4.36	Fish, Other Diptera	Other Diptera
Logan	2016	-	-	-	-	-
	2018	30	8	1.10	Other Insects	-
	2021	38	25	5.83	Arachnida, Non-Food (Cases, Plant, Pebble, etc.)	Arachnida, Other Organisms
	2024	30	7	1.22	Other Insects	Other Insects

Notes:

Dash (-) = not applicable or available; < = less than; % = percent; mg = milligram

AEMP = Aquatic Effects Monitoring Program; n = sample size

<1% count and <1 % weight columns are the taxa, which represent less than 1% of the stomach contents by abundance and by mass.

Table E-8 Summary of Slimy Sculpin DELT Observations Data for AEMP Lakes, 2007 to 2024

Lake	Year	No. Fish Sampled	Occurrence (%)									
			Deformity				Erosion	Lesion	Tumour	Other	Injury	Eye
			Liver	Spinal	Stomach	Gonad						
Nanuq	2007	5	0	0	0	0	0	0	0	0	0	0
	2012	30	0	0	0	0	0	0	0	0	0	0
	2015	30	0	3	0	0	0	0	0	0	0	0
	2018	35	0	0	0	0	0	0	0	0	0	0
	2021	35	0	0	0	0	0	0	0	0	0	0
	2024	30	0	0	0	0	0	0	0	0	0	0
Counts	2007	20	0	0	0	0	0	0	0	0	0	0
	2012	30	0	0	0	0	0	0	0	0	0	0
	2015	30	0	0	0	0	0	0	0	0	0	0
	2018	30	20	0	0	0	0	0	0	0	0	0
	2021	30	0	0	3	0	0	0	0	0	0	0
	2024	30	0	0	0	0	0	0	0	0	0	0
Vulture	2007	23	0	0	0	0	0	0	0	0	0	0
	2008	25	0	0	0	0	0	0	0	0	0	0
	2012	30	0	0	0	3	0	0	0	0	0	0
	2015	36	6	0	0	3	0	0	0	0	0	0
	2018	30	0	0	0	0	0	0	0	0	0	0
	2021	41	0	0	0	0	0	0	0	0	0	0
	2024	35	0	0	0	0	0	0	0	0	0	0

Lake	Year	No. Fish Sampled	Occurrence (%)									
			Deformity				Erosion	Lesion	Tumour	Other	Injury	Eye
			Liver	Spinal	Stomach	Gonad						
Cujo	2007	20	0	0	0	0	0	0	0	0	0	0
	2012	25	0	0	0	0	0	0	0	0	0	0
	2015	31	0	0	0	0	0	0	3	0	0	0
	2018	30	0	0	0	0	0	0	0	3	0	0
	2021	31	13	0	0	0	0	0	0	0	0	0
	2024	31	0	0	0	0	0	0	0	0	0	0
Kodiak	2007	9	0	0	0	0	0	0	0	0	0	0
	2012	33	0	0	0	0	0	0	0	0	0	0
	2015	30	0	0	0	0	0	0	0	0	0	0
	2018	31	3	0	0	0	0	0	0	0	0	0
	2021	33	0	0	0	0	0	0	0	0	0	0
	2024	43	0	0	0	0	0	0	0	0	0	0
Leslie	2007	20	0	0	0	0	0	0	0	0	0	0
	2008	6	0	0	0	0	0	0	0	0	0	0
	2012	1	0	0	0	0	0	0	0	0	0	0
	2015	26	4	0	0	0	0	0	0	0	4	0
	2018	30	0	0	3	0	0	0	0	0	0	0
	2021	34	0	0	0	0	0	0	0	0	0	0
	2024	31	0	0	0	0	0	0	0	0	0	0

Lake	Year	No. Fish Sampled	Occurrence (%)									
			Deformity				Erosion	Lesion	Tumour	Other	Injury	Eye
			Liver	Spinal	Stomach	Gonad						
Moose	2007	20	0	0	0	0	0	0	0	0	0	0
	2012	21	0	0	0	0	0	0	0	0	0	0
	2015	30	0	3	0	0	0	0	0	0	0	0
	2018	31	0	3	0	0	0	0	0	0	0	0
	2021	30	0	0	0	0	0	0	0	0	0	0
	2024	30	0	0	0	0	0	3	0	0	0	0
Nema	2007	12	0	0	0	0	0	0	0	0	0	0
	2012	30	0	0	0	0	0	0	0	0	0	0
	2015	30	0	3	0	0	0	0	0	0	0	0
	2018	32	0	0	0	0	0	0	0	0	0	0
	2021	30	0	0	0	0	0	0	0	0	0	0
	2024	30	0	0	0	0	0	7	0	0	0	0
Slipper	2007	20	0	0	0	0	0	0	0	0	0	0
	2012	29	0	0	0	0	0	0	0	0	0	0
	2015	30	0	0	0	0	0	0	0	0	0	0
	2018	31	0	0	0	0	0	0	0	0	0	0
	2021	30	0	0	0	0	0	0	0	0	0	0
	2024	31	0	0	0	0	0	0	0	0	0	0
Northeast	2016	72	-	-	-	-	-	-	-	-	-	-
	2018	42	19	0	0	0	0	0	0	0	0	0
	2021	40	0	0	0	0	0	0	0	0	0	0
	2024	30	0	0	0	0	0	0	0	0	0	0

Lake	Year	No. Fish Sampled	Occurrence (%)									
			Deformity				Erosion	Lesion	Tumour	Other	Injury	Eye
			Liver	Spinal	Stomach	Gonad						
Horseshoe	2016	63	-	-	-	-	-	-	-	-	-	-
	2018	40	0	0	0	0	0	0	0	0	0	0
	2021	39	0	0	0	0	0	0	0	0	0	0
	2024	30	0	0	0	0	0	0	0	0	0	0
HWL2	2016	51	-	-	-	-	-	-	-	-	-	0
	2018	42	2	0	0	0	0	0	0	0	0	0
	2021	34	0	0	0	0	0	0	0	0	0	0
	2024	31	0	0	0	0	0	0	0	0	0	0
Ross	2016	77	-	-	-	-	-	-	-	-	-	0
	2018	42	19	0	0	0	0	0	0	0	0	0
	2021	31	0	0	0	0	0	0	0	0	0	0
	2024	30	0	0	0	0	0	0	0	0	0	3
Logan	2016	48	-	-	-	-	-	-	-	-	-	-
	2018	41	5	0	0	0	0	0	0	5	0	0
	2021	38	0	0	0	0	0	0	0	0	0	0
	2024	30	0	0	0	0	0	0	0	0	0	0

Notes:
Dash (-) = not available; % = percent
AEMP = Aquatic Effects Monitoring Program; DELT = deformities, erosions, lesions, and tumours; No. = number
DELT occurrences are presented as a proportion of fish observed with a particular abnormality.

Table E-9 Summary of Slimy Sculpin EROD Data for AEMP Lakes, 2012 to 2024

Lake	Year	Specific Activity (pmol/mg/min)					EROD Induction (Specific Activity / External Negative Control)					Standardized EROD Induction (Square Root)				
		n	Mean	SE	Min.	Max.	n	Mean	SE	Min.	Max.	n	Mean	SE	Min.	Max.
Nanuq	2012	20	11.59	1.31	5.06	30.13	20	1.14	0.13	0.50	2.96	20	1.04	0.06	0.70	1.72
	2015	30	1.39	0.13	0.33	3.50	30	0.99	0.10	0.25	2.40	30	0.96	0.05	0.50	1.55
	2018	30	1.16	0.23	0.00	5.30	30	0.13	0.03	0.00	0.54	30	0.30	0.04	0.00	0.73
	2021	32	5.32	0.89	0.00	18.78	32	1.02	0.16	0.00	3.02	32	0.91	0.08	0.00	1.74
	2024	31	1.55	0.20	0.19	6.17	31	0.56	0.08	0.07	2.39	31	0.71	0.05	0.26	1.55
Counts	2012	20	21.60	6.60	3.90	129.48	20	2.12	0.65	0.38	12.72	20	1.28	0.16	0.62	3.57
	2015	30	1.13	0.18	0.32	5.45	30	1.11	0.14	0.24	4.15	30	1.01	0.06	0.49	2.04
	2018	30	1.56	0.39	0.00	11.53	30	0.17	0.04	0.00	1.21	30	0.35	0.04	0.00	1.10
	2021	30	3.06	0.42	0.31	12.35	30	0.59	0.09	0.07	2.56	30	0.71	0.05	0.26	1.60
	2024	31	1.45	0.23	0.02	4.64	31	0.52	0.10	0.01	2.58	31	0.63	0.06	0.08	1.61
Vulture	2012	20	10.09	1.51	1.75	31.50	20	0.99	0.15	0.17	3.09	20	0.95	0.07	0.41	1.76
	2015	28	1.06	0.13	0.15	2.91	28	0.78	0.10	0.08	2.16	28	0.84	0.05	0.29	1.47
	2018	30	0.91	0.14	0.00	2.54	30	0.09	0.01	0.00	0.28	30	0.27	0.03	0.00	0.53
	2021	32	3.81	0.48	0.49	10.28	32	0.70	0.09	0.08	1.94	32	0.78	0.05	0.28	1.39
	2024	29	1.31	0.18	0.02	3.65	29	0.43	0.06	0.01	1.05	29	0.59	0.05	0.07	1.03
Northeast	2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2018	30	1.57	0.28	0.00	6.19	30	0.18	0.03	0.00	0.72	30	0.37	0.04	0.00	0.85
	2021	30	3.77	0.48	0.35	11.33	30	0.67	0.08	0.05	1.90	30	0.78	0.05	0.23	1.38
	2024	31	1.85	0.23	0.16	5.55	31	0.65	0.08	0.04	2.15	31	0.75	0.05	0.20	1.47

Lake	Year	Specific Activity (pmol/mg/min)					EROD Induction (Specific Activity / External Negative Control)					Standardized EROD Induction (Square Root)				
		n	Mean	SE	Min.	Max.	n	Mean	SE	Min.	Max.	n	Mean	SE	Min.	Max.
Kodiak	2012	19	13.84	3.76	5.35	76.50	19	1.36	0.37	0.53	7.51	19	1.07	0.11	0.72	2.74
	2015	30	0.93	0.13	0.00	2.90	30	0.86	0.11	0.00	2.39	30	0.87	0.06	0.00	1.55
	2018	30	1.16	0.19	0.00	4.91	30	0.13	0.02	0.00	0.62	30	0.32	0.03	0.00	0.79
	2021	32	6.46	0.72	1.52	20.30	32	1.15	0.14	0.22	4.21	32	1.03	0.06	0.46	2.05
	2024	34	2.11	0.32	0.46	9.25	34	0.80	0.13	0.00	3.24	34	0.81	0.07	0.00	1.80
Leslie	2012	1	11.92	-	11.92	11.92	1	1.17	-	1.17	1.17	1	1.08	-	1.08	1.08
	2015	26	1.20	0.16	0.00	3.03	26	0.85	0.11	0.00	2.07	26	0.85	0.07	0.00	1.44
	2018	30	1.55	0.26	0.00	5.36	30	0.15	0.03	0.00	0.56	30	0.34	0.03	0.00	0.75
	2021	30	5.46	0.77	0.75	15.98	30	1.01	0.15	0.17	3.40	30	0.93	0.07	0.41	1.84
	2024	31	1.96	0.32	0.22	10.74	31	0.66	0.09	0.07	3.15	31	0.77	0.05	0.26	1.77
Moose	2012	18	17.17	1.64	6.37	31.80	18	1.69	0.16	0.63	3.12	18	1.27	0.06	0.79	1.77
	2015	30	0.78	0.06	0.20	1.69	30	0.61	0.05	0.15	1.22	30	0.76	0.03	0.39	1.11
	2018	30	1.14	0.27	0.00	7.89	30	0.14	0.04	0.00	1.31	30	0.31	0.04	0.00	1.14
	2021	30	3.50	0.46	0.49	11.05	30	0.65	0.08	0.16	2.16	30	0.76	0.05	0.40	1.47
	2024	32	1.68	0.16	0.54	5.35	32	0.59	0.06	0.11	1.73	32	0.74	0.04	0.34	1.32
Nema	2012	20	14.26	2.36	1.47	45.31	20	1.40	0.23	0.14	4.45	20	1.12	0.09	0.38	2.11
	2015	30	1.49	0.46	0.00	14.36	30	1.29	0.35	0.00	10.93	30	0.98	0.10	0.00	3.31
	2018	30	1.68	0.28	0.07	7.22	30	0.16	0.02	0.01	0.53	30	0.37	0.03	0.09	0.73
	2021	30	2.63	0.24	0.00	5.67	30	0.51	0.04	0.00	1.05	30	0.68	0.04	0.00	1.02
	2024	33	1.51	0.13	0.14	3.20	33	0.55	0.07	0.02	1.70	33	0.70	0.04	0.14	1.30

Lake	Year	Specific Activity (pmol/mg/min)					EROD Induction (Specific Activity / External Negative Control)					Standardized EROD Induction (Square Root)				
		n	Mean	SE	Min.	Max.	n	Mean	SE	Min.	Max.	n	Mean	SE	Min.	Max.
Slipper	2012	29	14.45	1.20	4.24	29.37	29	1.42	0.12	0.42	2.89	29	1.16	0.05	0.65	1.70
	2015	30	1.14	0.15	0.15	3.30	30	0.95	0.10	0.24	2.26	30	0.94	0.05	0.49	1.50
	2018	30	0.92	0.21	0.00	4.92	30	0.11	0.02	0.00	0.42	30	0.27	0.04	0.00	0.65
	2021	30	2.39	0.27	0.00	6.20	30	0.43	0.04	0.00	1.00	30	0.62	0.04	0.00	1.00
	2024	33	1.12	0.12	0.00	3.11	33	0.42	0.06	0.00	1.45	33	0.60	0.04	0.00	1.21
Cujo	2012	19	28.23	6.63	3.58	124.77	19	2.77	0.65	0.35	12.26	19	1.50	0.17	0.59	3.50
	2015	30	0.48	0.07	0.00	1.25	30	0.44	0.07	0.00	1.50	30	0.59	0.06	0.00	1.23
	2018	30	1.12	0.14	0.04	3.02	30	0.13	0.02	0.01	0.38	30	0.33	0.02	0.07	0.62
	2021	30	3.49	0.43	0.60	10.15	30	0.64	0.08	0.12	2.01	30	0.76	0.05	0.35	1.42
	2024	33	1.77	0.20	0.33	4.81	33	0.62	0.07	0.15	1.86	33	0.75	0.04	0.39	1.37
Horseshoe	2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2018	30	1.92	0.25	0.24	5.67	30	0.20	0.03	0.03	0.73	30	0.41	0.03	0.16	0.85
	2021	30	4.04	0.56	0.26	13.98	30	0.75	0.10	0.04	2.35	30	0.80	0.06	0.20	1.53
	2024	33	1.71	0.36	0.22	11.75	33	0.52	0.07	0.08	1.74	33	0.68	0.04	0.28	1.32
HWL2	2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2018	30	1.53	0.28	0.00	7.86	30	0.16	0.03	0.00	0.69	30	0.36	0.03	0.00	0.83
	2021	32	2.67	0.29	0.24	7.20	32	0.51	0.06	0.05	1.28	32	0.68	0.04	0.23	1.13
	2024	31	1.20	0.16	0.10	4.18	31	0.40	0.07	0.02	1.96	31	0.57	0.05	0.15	1.40
Ross	2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2018	30	1.93	0.25	0.00	6.26	30	0.24	0.04	0.00	0.85	30	0.45	0.04	0.00	0.92
	2021	31	4.07	0.36	1.22	10.73	31	0.79	0.07	0.24	1.95	31	0.86	0.04	0.49	1.40
	2024	32	1.17	0.15	0.07	3.75	32	0.41	0.05	0.03	1.21	32	0.60	0.04	0.16	1.10

Lake	Year	Specific Activity (pmol/mg/min)					EROD Induction (Specific Activity / External Negative Control)					Standardized EROD Induction (Square Root)				
		n	Mean	SE	Min.	Max.	n	Mean	SE	Min.	Max.	n	Mean	SE	Min.	Max.
Logan	2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2018	30	1.47	0.21	0.00	4.43	30	0.15	0.02	0.00	0.39	30	0.36	0.03	0.00	0.62
	2021	32	2.63	0.24	0.59	7.65	32	0.49	0.04	0.10	1.00	32	0.68	0.03	0.32	1.00
	2024	32	1.33	0.13	0.09	3.05	32	0.48	0.05	0.03	1.12	32	0.66	0.04	0.17	1.06

Notes:

Dash (-) = not applicable; pmol/mg/min = picomole per milligram per minute

AEMP = Aquatic Effects Monitoring Program; EROD = Ethoxyresorufin-*O*-deethylase; max. = maximum value; min. = minimum value; n = sample size; SE = standard error

Table E-10 Summary of Slimy Sculpin Whole Body Arsenic Data for AEMP Lakes, 2007 to 2024

Lake	Year	Arsenic (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min.	Max.	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Nanuq	2007	5	0	0.048	0.004	0.038	0.063	54.6	1.6	-
	2012	30	0	0.039	0.002	0.026	0.082	56.0	1.7	2.4
	2015	30	0	0.032	0.002	0.023	0.056	63.0	2.4	2.0
	2018	30	0	0.032	0.002	0.021	0.061	53.7	1.4	1.7
	2021	26	15	0.020	0.002	0.005	0.061	54.7	1.6	2.3
	2024	30	0	0.027	0.002	0.011	0.049	60.1	1.8	2.3
Counts	2007	22	0	0.079	0.009	0.029	0.227	55.6	1.6	-
	2012	31	0	0.037	0.002	0.022	0.069	64.5	2.5	2.6
	2015	30	0	0.056	0.004	0.017	0.129	69.2	3.2	2.7
	2018	30	0	0.039	0.002	0.020	0.062	67.4	3.2	2.5
	2021	30	3	0.030	0.003	0.005	0.077	64.7	2.4	2.4
	2024	30	0	0.075	0.009	0.019	0.182	61.0	2.1	2.4
Vulture	2007	23	0	0.062	0.004	0.036	0.117	55.5	1.3	-
	2012	31	0	0.039	0.002	0.023	0.061	52.9	1.3	1.9
	2015	30	0	0.041	0.002	0.018	0.068	54.4	1.3	1.9
	2018	30	0	0.039	0.001	0.027	0.057	50.1	1.1	1.6
	2021	32	22	0.027	0.003	0.004	0.057	50.4	1.1	2.3
	2024	30	0	0.036	0.002	0.014	0.069	53.6	1.3	2.3

Lake	Year	Arsenic (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min.	Max.	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Northeast	2016	30	0	0.030	0.002	0.018	0.083	62.7	2.3	1.8
	2018	30	0	0.029	0.002	0.016	0.067	59.7	2.0	2.2
	2021	40	0	0.028	0.002	0.006	0.070	52.0	1.4	2.2
	2024	30	0	0.033	0.005	0.015	0.169	59.6	2.0	2.5
Kodiak	2007	9	0	0.058	0.004	0.042	0.084	65.0	2.4	-
	2012	34	0	0.023	0.001	0.013	0.045	61.6	2.0	2.7
	2015	30	0	0.021	0.001	0.013	0.037	66.1	2.4	3.3
	2018	28	0	0.022	0.001	0.011	0.039	63.6	2.4	2.1
	2021	33	36	0.014	0.001	0.004	0.026	67.2	2.5	2.5
	2024	30	7	0.011	0.001	0.004	0.028	65.9	2.6	2.5
Leslie	2007	20	5	0.029	0.002	0.014	0.044	59.1	1.7	-
	2012	1	0	0.015	0.000	0.015	0.015	71.0	3.0	4.0
	2015	26	0	0.023	0.001	0.013	0.042	65.9	2.6	3.0
	2018	29	0	0.027	0.002	0.018	0.050	54.1	1.4	1.9
	2021	34	59	0.014	0.002	0.001	0.044	57.9	1.8	2.3
	2024	30	3	0.020	0.002	0.006	0.054	62.0	2.2	2.5
Moose	2007	20	0	0.043	0.002	0.020	0.061	53.9	1.3	-
	2012	21	0	0.021	0.001	0.013	0.033	60.2	1.9	2.0
	2015	30	0	0.024	0.002	0.011	0.046	67.4	3.0	3.0
	2018	30	0	0.018	0.001	0.008	0.033	59.1	1.9	1.6
	2021	30	73	-	-	-	-	65.3	2.5	2.1
	2024	30	27	0.011	0.001	0.002	0.032	63.9	2.6	2.4

Lake	Year	Arsenic (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min.	Max.	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Nema	2007	12	0	0.038	0.004	0.016	0.071	59.7	2.0	-
	2012	30	0	0.029	0.002	0.015	0.051	61.6	2.3	2.3
	2015	30	0	0.026	0.002	0.013	0.047	72.5	3.5	2.9
	2018	30	0	0.035	0.002	0.015	0.071	67.9	3.1	2.4
	2021	30	3	0.031	0.002	0.015	0.049	65.1	2.7	2.7
	2024	30	3	0.015	0.001	0.005	0.040	71.4	3.4	3.4
Slipper	2007	20	5	0.074	0.011	0.021	0.197	67.7	3.2	-
	2012	29	0	0.035	0.001	0.021	0.049	77.8	4.8	2.1
	2015	30	0	0.030	0.001	0.017	0.043	65.4	2.8	2.1
	2018	30	0	0.030	0.002	0.014	0.050	56.0	1.6	1.7
	2021	30	30	0.009	0.001	0.002	0.022	56.9	1.7	2.2
	2024	30	7	0.020	0.002	0.006	0.040	59.9	2.0	2.0
Cujo	2007	20	0	0.122	0.011	0.074	0.248	60.6	2.0	-
	2012	24	0	0.046	0.002	0.029	0.060	63.5	2.5	2.5
	2015	30	0	0.051	0.003	0.018	0.117	74.1	4.0	3.2
	2018	30	0	0.038	0.002	0.018	0.058	63.4	2.5	1.9
	2021	31	0	0.040	0.004	0.005	0.094	61.7	2.5	2.2
	2024	30	0	0.046	0.005	0.009	0.118	74.7	4.0	2.7
Horseshoe	2016	30	0	0.032	0.005	0.016	0.149	59.0	1.8	1.4
	2018	31	0	0.029	0.002	0.017	0.073	60.3	2.3	2.1
	2021	39	26	0.016	0.001	0.004	0.040	55.5	1.6	2.1
	2024	30	0	0.024	0.002	0.012	0.048	69.0	3.4	2.5

Lake	Year	Arsenic (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min.	Max.	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
HWL2	2016	30	0	0.030	0.001	0.016	0.043	59.8	1.8	2.1
	2018	30	0	0.025	0.001	0.016	0.034	59.1	1.8	2.2
	2021	34	15	0.028	0.003	0.004	0.085	58.7	1.8	2.2
	2024	30	0	0.024	0.002	0.011	0.049	55.7	1.6	1.9
Ross	2016	30	0	0.040	0.012	0.015	0.389	64.1	2.4	2.1
	2018	30	0	0.024	0.001	0.016	0.034	58.9	1.9	2.0
	2021	31	10	0.015	0.002	0.004	0.054	61.2	2.0	2.1
	2024	30	0	0.024	0.005	0.010	0.169	62.1	2.3	2.2
Logan	2016	30	0	0.021	0.001	0.016	0.029	59.6	1.9	1.5
	2018	30	0	0.019	0.001	0.009	0.027	59.5	1.8	1.9
	2021	38	34	0.020	0.002	0.003	0.061	63.4	2.3	2.3
	2024	30	7	0.022	0.002	0.007	0.073	59.4	1.8	2.3

Notes:
Dash (-) = not applicable; % = percent; g = gram; mg/kg wwt = milligram per kilogram on a wet weight basis; mm = millimetre
AEMP = Aquatic Effects Monitoring Program; BDL = below detection limit; max. = maximum value; min. = minimum value; n = sample size; SE = standard error
Summary statistics not calculated when more than 60% of the values were below detection limit.

Table E-11 Summary of Slimy Sculpin Whole Body Cadmium Data for AEMP Lakes, 2007 to 2024

Lake	Year	Cadmium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min.	Max.	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Nanuq	2007	5	0	0.034	0.007	0.020	0.056	54.6	1.6	-
	2012	30	0	0.015	0.002	0.008	0.061	56.0	1.7	2.4
	2015	30	0	0.008	0.001	0.003	0.016	63.0	2.4	2.0
	2018	30	0	0.007	0.000	0.005	0.009	53.7	1.4	1.7
	2021	26	0	0.008	0.001	0.002	0.014	54.7	1.6	2.3
	2024	30	7	0.006	0.001	0.001	0.013	60.1	1.8	2.3
Counts	2007	22	0	0.026	0.002	0.011	0.048	55.6	1.6	-
	2012	31	0	0.007	0.001	0.002	0.016	64.5	2.5	2.6
	2015	30	7	0.004	0.000	0.001	0.008	69.2	3.2	2.7
	2018	30	7	0.004	0.000	0.002	0.007	67.4	3.2	2.5
	2021	30	7	0.004	0.000	0.001	0.010	64.7	2.4	2.4
	2024	30	13	0.009	0.002	0.001	0.026	61.0	2.1	2.4
Vulture	2007	23	0	0.033	0.002	0.012	0.050	55.5	1.3	-
	2012	31	0	0.018	0.003	0.005	0.087	52.9	1.3	1.9
	2015	30	0	0.012	0.001	0.005	0.025	54.4	1.3	1.9
	2018	30	13	0.002	0.000	0.001	0.003	50.1	1.1	1.6
	2021	32	0	0.008	0.001	0.003	0.015	50.4	1.1	2.3
	2024	30	17	0.007	0.001	0.001	0.018	53.6	1.3	2.3

Lake	Year	Cadmium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min.	Max.	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Northeast	2016	30	0	0.007	0.000	0.004	0.015	62.7	2.3	1.8
	2018	30	0	0.005	0.000	0.003	0.009	59.7	2.0	2.2
	2021	40	0	0.007	0.001	0.003	0.029	52.0	1.4	2.2
	2024	30	0	0.007	0.001	0.002	0.019	59.6	2.0	2.5
Kodiak	2007	9	0	0.031	0.002	0.024	0.043	65.0	2.4	-
	2012	34	0	0.010	0.001	0.004	0.019	61.6	2.0	2.7
	2015	30	0	0.008	0.001	0.003	0.016	66.1	2.4	3.3
	2018	28	0	0.006	0.000	0.004	0.008	63.6	2.4	2.1
	2021	33	0	0.006	0.000	0.002	0.013	67.2	2.5	2.5
	2024	30	3	0.004	0.000	0.001	0.008	65.9	2.6	2.5
Leslie	2007	20	0	0.020	0.002	0.007	0.042	59.1	1.7	-
	2012	1	0	0.011	0.000	0.011	0.011	71.0	3.0	4.0
	2015	26	4	0.008	0.002	0.002	0.048	65.9	2.6	3.0
	2018	29	0	0.010	0.001	0.004	0.037	54.1	1.4	1.9
	2021	34	21	0.004	0.000	0.001	0.011	57.9	1.8	2.3
	2024	30	0	0.004	0.000	0.001	0.008	62.0	2.2	2.5
Moose	2007	20	0	0.023	0.002	0.011	0.043	53.9	1.3	-
	2012	21	0	0.007	0.001	0.003	0.014	60.2	1.9	2.0
	2015	30	10	0.005	0.000	0.001	0.010	67.4	3.0	3.0
	2018	30	3	0.003	0.000	0.001	0.007	59.1	1.9	1.6
	2021	30	10	0.003	0.000	0.001	0.014	65.3	2.5	2.1
	2024	30	20	0.002	0.000	0.001	0.007	63.9	2.6	2.4

Lake	Year	Cadmium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min.	Max.	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Nema	2007	12	0	0.023	0.002	0.013	0.033	59.7	2.0	-
	2012	30	23	0.007	0.001	0.002	0.021	61.6	2.3	2.3
	2015	30	7	0.005	0.001	0.002	0.015	72.5	3.5	2.9
	2018	30	3	0.005	0.000	0.001	0.013	67.9	3.1	2.4
	2021	30	77	-	-	-	-	65.1	2.7	2.7
	2024	30	13	0.003	0.000	0.001	0.010	71.4	3.4	3.4
Slipper	2007	20	10	0.016	0.001	0.005	0.029	67.7	3.2	-
	2012	29	69	-	-	-	-	77.8	4.8	2.1
	2015	30	17	0.005	0.000	0.002	0.011	65.4	2.8	2.1
	2018	30	0	0.004	0.000	0.002	0.010	56.0	1.6	1.7
	2021	30	0	0.004	0.000	0.002	0.009	56.9	1.7	2.2
	2024	30	0	0.005	0.000	0.001	0.008	59.9	2.0	2.0
Cujo	2007	20	10	0.015	0.001	0.008	0.026	60.6	2.0	-
	2012	24	0	0.012	0.005	0.003	0.114	63.5	2.5	2.5
	2015	30	43	0.003	0.000	0.001	0.009	74.1	4.0	3.2
	2018	30	0	0.011	0.001	0.007	0.018	63.4	2.5	1.9
	2021	31	19	0.002	0.000	0.001	0.005	61.7	2.5	2.2
	2024	30	30	0.007	0.001	0.000	0.027	74.7	4.0	2.7
Horseshoe	2016	30	0	0.012	0.001	0.006	0.043	59.0	1.8	1.4
	2018	31	0	0.005	0.000	0.003	0.010	60.3	2.3	2.1
	2021	39	0	0.006	0.001	0.001	0.038	55.5	1.6	2.1
	2024	30	23	0.003	0.000	0.001	0.007	69.0	3.4	2.5

Lake	Year	Cadmium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min.	Max.	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
HWL2	2016	30	0	0.013	0.001	0.006	0.029	59.8	1.8	2.1
	2018	30	0	0.007	0.000	0.005	0.008	59.1	1.8	2.2
	2021	34	0	0.008	0.001	0.002	0.018	58.7	1.8	2.2
	2024	30	0	0.007	0.001	0.001	0.016	55.7	1.6	1.9
Ross	2016	30	0	0.015	0.003	0.004	0.099	64.1	2.4	2.1
	2018	30	0	0.006	0.000	0.005	0.009	58.9	1.9	2.0
	2021	31	0	0.006	0.001	0.001	0.012	61.2	2.0	2.1
	2024	30	7	0.006	0.001	0.001	0.011	62.1	2.3	2.2
Logan	2016	30	0	0.007	0.000	0.004	0.010	59.6	1.9	1.5
	2018	30	0	0.004	0.000	0.003	0.007	59.5	1.8	1.9
	2021	38	5	0.006	0.000	0.001	0.012	63.4	2.3	2.3
	2024	30	0	0.007	0.001	0.002	0.012	59.4	1.8	2.3

Notes:
Dash (-) = not applicable; % = percent; g = gram; mg/kg wwt = milligram per kilogram on a wet weight basis; mm = millimetre
AEMP = Aquatic Effects Monitoring Program; BDL = below detection limit; max. = maximum value; min. = minimum value; n = sample size; SE = standard error
Summary statistics not calculated when more than 60% of the values were below detection limit.

Table E-12 Summary of Slimy Sculpin Whole Body Chromium Data for AEMP Lakes, 2007 to 2024

Lake	Year	Chromium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min.	Max.	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Nanuq	2007	5	40	0.227	0.045	0.116	0.360	54.6	1.6	-
	2012	30	43	0.088	0.034	0.017	1.080	56.0	1.7	2.4
	2015	30	37	0.054	0.006	0.014	0.183	63.0	2.4	2.0
	2018	30	90	-	-	-	-	53.7	1.4	1.7
	2021	26	54	0.028	0.003	0.008	0.071	54.7	1.6	2.3
	2024	30	60	0.031	0.009	0.002	0.271	60.1	1.8	2.3
Counts	2007	22	18	0.275	0.022	0.130	0.410	55.6	1.6	-
	2012	31	26	0.043	0.006	0.008	0.172	64.5	2.5	2.6
	2015	30	57	0.053	0.014	0.002	0.390	69.2	3.2	2.7
	2018	30	83	-	-	-	-	67.4	3.2	2.5
	2021	30	60	0.025	0.003	0.007	0.067	64.7	2.4	2.4
	2024	30	63	-	-	-	-	61.0	2.1	2.4
Vulture	2007	23	13	0.334	0.031	0.100	0.730	55.5	1.3	-
	2012	31	10	0.068	0.021	0.017	0.677	52.9	1.3	1.9
	2015	30	57	0.093	0.054	0.001	1.650	54.4	1.3	1.9
	2018	30	97	-	-	-	-	50.1	1.1	1.6
	2021	32	53	0.027	0.002	0.011	0.069	50.4	1.1	2.3
	2024	30	60	0.037	0.013	0.001	0.392	53.6	1.3	2.3

Lake	Year	Chromium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min.	Max.	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Northeast	2016	30	83	-	-	-	-	62.7	2.3	1.8
	2018	30	93	-	-	-	-	59.7	2.0	2.2
	2021	40	33	0.037	0.003	0.010	0.088	52.0	1.4	2.2
	2024	30	67	-	-	-	-	59.6	2.0	2.5
Kodiak	2007	9	0	0.612	0.118	0.220	1.340	65.0	2.4	-
	2012	34	9	0.086	0.014	0.016	0.379	61.6	2.0	2.7
	2015	30	73	-	-	-	-	66.1	2.4	3.3
	2018	28	93	-	-	-	-	63.6	2.4	2.1
	2021	33	79	-	-	-	-	67.2	2.5	2.5
	2024	30	53	0.030	0.003	0.007	0.087	65.9	2.6	2.5
Leslie	2007	20	35	0.156	0.014	0.072	0.300	59.1	1.7	-
	2012	1	0	0.029	0.000	0.029	0.029	71.0	3.0	4.0
	2015	26	73	-	-	-	-	65.9	2.6	3.0
	2018	29	55	0.030	0.006	0.003	0.179	54.1	1.4	1.9
	2021	34	76	-	-	-	-	57.9	1.8	2.3
	2024	30	97	-	-	-	-	62.0	2.2	2.5
Moose	2007	20	40	0.162	0.015	0.094	0.370	53.9	1.3	-
	2012	21	24	0.042	0.005	0.024	0.124	60.2	1.9	2.0
	2015	30	33	0.070	0.014	0.009	0.397	67.4	3.0	3.0
	2018	30	83	-	-	-	-	59.1	1.9	1.6
	2021	30	73	-	-	-	-	65.3	2.5	2.1
	2024	30	90	-	-	-	-	63.9	2.6	2.4

Lake	Year	Chromium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min.	Max.	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Nema	2007	12	0	0.280	0.051	0.110	0.720	59.7	2.0	-
	2012	30	20	0.093	0.014	0.015	0.402	61.6	2.3	2.3
	2015	30	70	-	-	-	-	72.5	3.5	2.9
	2018	30	90	-	-	-	-	67.9	3.1	2.4
	2021	30	57	0.029	0.007	0.001	0.172	65.1	2.7	2.7
	2024	30	90	-	-	-	-	71.4	3.4	3.4
Slipper	2007	20	25	0.237	0.022	0.097	0.430	67.7	3.2	-
	2012	29	17	0.033	0.007	0.014	0.230	77.8	4.8	2.1
	2015	30	83	-	-	-	-	65.4	2.8	2.1
	2018	30	97	-	-	-	-	56.0	1.6	1.7
	2021	30	60	0.025	0.002	0.011	0.051	56.9	1.7	2.2
	2024	30	97	-	-	-	-	59.9	2.0	2.0
Cujo	2007	20	20	0.258	0.031	0.074	0.540	60.6	2.0	-
	2012	24	13	0.117	0.040	0.017	0.913	63.5	2.5	2.5
	2015	30	63	-	-	-	-	74.1	4.0	3.2
	2018	30	53	0.026	0.003	0.005	0.089	63.4	2.5	1.9
	2021	31	90	-	-	-	-	61.7	2.5	2.2
	2024	30	80	-	-	-	-	74.7	4.0	2.7
Horseshoe	2016	30	40	0.061	0.008	0.013	0.212	59.0	1.8	1.4
	2018	31	100	-	-	-	-	60.3	2.3	2.1
	2021	39	69	-	-	-	-	55.5	1.6	2.1
	2024	30	80	-	-	-	-	69.0	3.4	2.5

Lake	Year	Chromium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min.	Max.	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
HWL2	2016	30	50	0.525	0.492	0.000	14.800	59.8	1.8	2.1
	2018	30	100	-	-	-	-	59.1	1.8	2.2
	2021	34	59	0.025	0.002	0.009	0.071	58.7	1.8	2.2
	2024	30	57	0.029	0.004	0.004	0.101	55.7	1.6	1.9
Ross	2016	30	87	-	-	-	-	64.1	2.4	2.1
	2018	30	100	-	-	-	-	58.9	1.9	2.0
	2021	31	100	-	-	-	-	61.2	2.0	2.1
	2024	30	97	-	-	-	-	62.1	2.3	2.2
Logan	2016	30	80	-	-	-	-	59.6	1.9	1.5
	2018	30	100	-	-	-	-	59.5	1.8	1.9
	2021	38	74	-	-	-	-	63.4	2.3	2.3
	2024	30	90	-	-	-	-	59.4	1.8	2.3

Notes:
Dash (-) = not applicable; % = percent; g = gram; mg/kg wwt = milligram per kilogram on a wet weight basis; mm = millimetre
AEMP = Aquatic Effects Monitoring Program; BDL = below detection limit; max. = maximum value; min. = minimum value; n = sample size; SE = standard error
Summary statistics not calculated when more than 60% of the values were below detection limit.

Table E-13 Summary of Slimy Sculpin Whole Body Lead Data for AEMP Lakes, 2007 to 2024

Lake	Year	Lead (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min.	Max.	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Nanuq	2007	5	40	0.027	0.003	0.020	0.030	54.6	1.6	-
	2012	30	0	0.032	0.011	0.007	0.335	56.0	1.7	2.4
	2015	30	93	-	-	-	-	63.0	2.4	2.0
	2018	30	0	0.011	0.001	0.004	0.018	53.7	1.4	1.7
	2021	26	0	0.016	0.002	0.005	0.044	54.7	1.6	2.3
	2024	30	0	0.015	0.007	0.002	0.213	60.1	1.8	2.3
Counts	2007	22	68	-	-	-	-	55.6	1.6	-
	2012	31	0	0.014	0.002	0.005	0.042	64.5	2.5	2.6
	2015	30	90	-	-	-	-	69.2	3.2	2.7
	2018	30	3	0.004	0.000	0.001	0.007	67.4	3.2	2.5
	2021	30	0	0.011	0.001	0.003	0.030	64.7	2.4	2.4
	2024	30	0	0.019	0.003	0.002	0.049	61.0	2.1	2.4
Vulture	2007	23	61	-	-	-	-	55.5	1.3	-
	2012	31	0	0.032	0.004	0.009	0.121	52.9	1.3	1.9
	2015	30	73	-	-	-	-	54.4	1.3	1.9
	2018	30	0	0.007	0.001	0.003	0.021	50.1	1.1	1.6
	2021	32	0	0.017	0.001	0.009	0.047	50.4	1.1	2.3
	2024	30	0	0.028	0.004	0.005	0.109	53.6	1.3	2.3

Lake	Year	Lead (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min.	Max.	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Northeast	2016	30	27	0.015	0.001	0.005	0.044	62.7	2.3	1.8
	2018	30	0	0.008	0.001	0.003	0.017	59.7	2.0	2.2
	2021	40	0	0.024	0.004	0.004	0.116	52.0	1.4	2.2
	2024	30	0	0.011	0.002	0.002	0.055	59.6	2.0	2.5
Kodiak	2007	9	0	0.037	0.004	0.020	0.060	65.0	2.4	-
	2012	34	0	0.026	0.006	0.007	0.173	61.6	2.0	2.7
	2015	30	57	0.010	0.002	0.002	0.048	66.1	2.4	3.3
	2018	28	0	0.007	0.001	0.004	0.017	63.6	2.4	2.1
	2021	33	0	0.012	0.001	0.004	0.027	67.2	2.5	2.5
	2024	30	0	0.008	0.001	0.002	0.025	65.9	2.6	2.5
Leslie	2007	20	95	-	-	-	-	59.1	1.7	-
	2012	1	0	0.015	0.000	0.015	0.015	71.0	3.0	4.0
	2015	26	46	0.011	0.001	0.005	0.020	65.9	2.6	3.0
	2018	29	0	0.015	0.002	0.005	0.043	54.1	1.4	1.9
	2021	34	0	0.024	0.010	0.004	0.354	57.9	1.8	2.3
	2024	30	0	0.008	0.001	0.001	0.036	62.0	2.2	2.5
Moose	2007	20	70	-	-	-	-	53.9	1.3	-
	2012	21	0	0.014	0.001	0.007	0.027	60.2	1.9	2.0
	2015	30	93	-	-	-	-	67.4	3.0	3.0
	2018	30	0	0.012	0.004	0.002	0.102	59.1	1.9	1.6
	2021	30	0	0.012	0.001	0.005	0.025	65.3	2.5	2.1
	2024	30	0	0.005	0.000	0.002	0.011	63.9	2.6	2.4

Lake	Year	Lead (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min.	Max.	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Nema	2007	12	25	0.031	0.004	0.013	0.060	59.7	2.0	-
	2012	30	0	0.013	0.001	0.005	0.044	61.6	2.3	2.3
	2015	30	83	-	-	-	-	72.5	3.5	2.9
	2018	30	0	0.010	0.002	0.004	0.066	67.9	3.1	2.4
	2021	30	0	0.012	0.001	0.004	0.044	65.1	2.7	2.7
	2024	30	0	0.005	0.001	0.001	0.025	71.4	3.4	3.4
Slipper	2007	20	55	0.025	0.003	0.009	0.060	67.7	3.2	-
	2012	29	3	0.007	0.001	0.003	0.015	77.8	4.8	2.1
	2015	30	97	-	-	-	-	65.4	2.8	2.1
	2018	30	0	0.011	0.001	0.004	0.026	56.0	1.6	1.7
	2021	30	0	0.018	0.003	0.004	0.073	56.9	1.7	2.2
	2024	30	0	0.010	0.001	0.002	0.019	59.9	2.0	2.0
Cujo	2007	20	65	-	-	-	-	60.6	2.0	-
	2012	24	0	0.026	0.004	0.006	0.073	63.5	2.5	2.5
	2015	30	90	-	-	-	-	74.1	4.0	3.2
	2018	30	0	0.022	0.004	0.004	0.092	63.4	2.5	1.9
	2021	31	0	0.010	0.001	0.002	0.033	61.7	2.5	2.2
	2024	30	17	0.006	0.002	0.000	0.047	74.7	4.0	2.7
Horseshoe	2016	30	13	0.018	0.002	0.005	0.069	59.0	1.8	1.4
	2018	31	0	0.006	0.001	0.002	0.023	60.3	2.3	2.1
	2021	39	0	0.019	0.003	0.004	0.078	55.5	1.6	2.1
	2024	30	10	0.005	0.002	0.001	0.058	69.0	3.4	2.5

Lake	Year	Lead (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min.	Max.	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
HWL2	2016	30	23	0.025	0.003	0.005	0.084	59.8	1.8	2.1
	2018	30	0	0.005	0.000	0.002	0.008	59.1	1.8	2.2
	2021	34	0	0.020	0.006	0.002	0.214	58.7	1.8	2.2
	2024	30	0	0.016	0.003	0.003	0.068	55.7	1.6	1.9
Ross	2016	30	40	0.016	0.004	0.002	0.122	64.1	2.4	2.1
	2018	30	0	0.005	0.000	0.003	0.012	58.9	1.9	2.0
	2021	31	0	0.007	0.001	0.002	0.046	61.2	2.0	2.1
	2024	30	0	0.005	0.001	0.002	0.014	62.1	2.3	2.2
Logan	2016	30	50	0.011	0.001	0.006	0.019	59.6	1.9	1.5
	2018	30	0	0.006	0.001	0.002	0.030	59.5	1.8	1.9
	2021	38	3	0.009	0.001	0.002	0.035	63.4	2.3	2.3
	2024	30	0	0.005	0.001	0.002	0.022	59.4	1.8	2.3

Notes:
Dash (-) = not applicable; % = percent; g = gram; mg/kg wwt = milligram per kilogram on a wet weight basis; mm = millimetre
AEMP = Aquatic Effects Monitoring Program; BDL = below detection limit; max. = maximum value; min. = minimum value; n = sample size; SE = standard error
Summary statistics not calculated when more than 60% of the values were below detection limit.

Table E-14 Summary of Slimy Sculpin Whole Body Mercury Data for AEMP Lakes, 2007 to 2024

Lake	Year	Mercury (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min.	Max.	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Nanuq	2007	5	0	0.032	0.020	0.008	0.110	54.6	1.6	-
	2012	30	0	0.019	0.002	0.007	0.051	56.0	1.7	2.4
	2015	30	0	0.024	0.002	0.011	0.053	63.0	2.4	2.0
	2018	30	0	0.026	0.002	0.012	0.045	53.7	1.4	1.7
	2021	26	0	0.022	0.002	0.010	0.052	54.7	1.6	2.3
	2024	30	0	0.029	0.002	0.011	0.064	60.1	1.8	2.3
Counts	2007	22	0	0.050	0.012	0.005	0.160	55.6	1.6	-
	2012	31	0	0.021	0.001	0.003	0.044	64.5	2.5	2.6
	2015	30	0	0.028	0.002	0.014	0.063	69.2	3.2	2.7
	2018	30	0	0.022	0.002	0.010	0.059	67.4	3.2	2.5
	2021	30	0	0.038	0.003	0.017	0.089	64.7	2.4	2.4
	2024	30	0	0.027	0.002	0.011	0.054	61.0	2.1	2.4
Vulture	2007	23	0	0.032	0.009	0.003	0.150	55.5	1.3	-
	2012	31	0	0.019	0.002	0.007	0.045	52.9	1.3	1.9
	2015	30	0	0.025	0.003	0.011	0.092	54.4	1.3	1.9
	2018	30	0	0.056	0.003	0.040	0.101	50.1	1.1	1.6
	2021	32	0	0.020	0.001	0.011	0.037	50.4	1.1	2.3
	2024	30	0	0.027	0.002	0.009	0.058	53.6	1.3	2.3

Lake	Year	Mercury (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min.	Max.	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Northeast	2016	30	0	0.041	0.003	0.017	0.087	62.7	2.3	1.8
	2018	30	0	0.049	0.004	0.020	0.128	59.7	2.0	2.2
	2021	40	0	0.034	0.003	0.013	0.080	52.0	1.4	2.2
	2024	30	0	0.046	0.007	0.016	0.221	59.6	2.0	2.5
Kodiak	2007	9	0	0.046	0.004	0.034	0.069	65.0	2.4	-
	2012	34	0	0.085	0.005	0.038	0.192	61.6	2.0	2.7
	2015	30	0	0.064	0.003	0.039	0.108	66.1	2.4	3.3
	2018	28	0	0.074	0.003	0.044	0.121	63.6	2.4	2.1
	2021	33	0	0.059	0.003	0.034	0.115	67.2	2.5	2.5
	2024	30	0	0.084	0.006	0.031	0.212	65.9	2.6	2.5
Leslie	2007	20	0	0.104	0.017	0.021	0.322	59.1	1.7	-
	2012	1	0	0.040	0.000	0.040	0.040	71.0	3.0	4.0
	2015	26	0	0.055	0.003	0.030	0.090	65.9	2.6	3.0
	2018	29	0	0.052	0.003	0.028	0.086	54.1	1.4	1.9
	2021	34	0	0.071	0.005	0.034	0.153	57.9	1.8	2.3
	2024	30	0	0.085	0.005	0.024	0.149	62.0	2.2	2.5
Moose	2007	20	0	0.052	0.011	0.020	0.190	53.9	1.3	-
	2012	21	0	0.059	0.003	0.037	0.086	60.2	1.9	2.0
	2015	30	0	0.067	0.004	0.022	0.117	67.4	3.0	3.0
	2018	30	0	0.060	0.003	0.035	0.094	59.1	1.9	1.6
	2021	30	0	0.041	0.003	0.017	0.073	65.3	2.5	2.1
	2024	30	0	0.064	0.003	0.015	0.093	63.9	2.6	2.4

Lake	Year	Mercury (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min.	Max.	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Nema	2007	12	0	0.057	0.004	0.035	0.081	59.7	2.0	-
	2012	30	0	0.091	0.005	0.033	0.149	61.6	2.3	2.3
	2015	30	0	0.073	0.004	0.039	0.137	72.5	3.5	2.9
	2018	30	0	0.062	0.003	0.042	0.093	67.9	3.1	2.4
	2021	30	0	0.069	0.003	0.046	0.104	65.1	2.7	2.7
	2024	30	0	0.090	0.012	0.002	0.345	71.4	3.4	3.4
Slipper	2007	20	0	0.175	0.036	0.039	0.748	67.7	3.2	-
	2012	29	0	0.073	0.004	0.044	0.125	77.8	4.8	2.1
	2015	30	0	0.071	0.003	0.046	0.106	65.4	2.8	2.1
	2018	30	0	0.064	0.003	0.033	0.106	56.0	1.6	1.7
	2021	30	0	0.059	0.003	0.032	0.099	56.9	1.7	2.2
	2024	30	0	0.075	0.004	0.037	0.139	59.9	2.0	2.0
Cujo	2007	20	0	0.098	0.020	0.030	0.412	60.6	2.0	-
	2012	24	0	0.060	0.004	0.032	0.107	63.5	2.5	2.5
	2015	30	0	0.074	0.004	0.038	0.164	74.1	4.0	3.2
	2018	30	0	0.017	0.001	0.010	0.034	63.4	2.5	1.9
	2021	31	0	0.043	0.002	0.022	0.070	61.7	2.5	2.2
	2024	30	0	0.083	0.006	0.023	0.173	74.7	4.0	2.7
Horseshoe	2016	30	0	0.051	0.002	0.026	0.099	59.0	1.8	1.4
	2018	31	0	0.060	0.003	0.044	0.117	60.3	2.3	2.1
	2021	39	0	0.052	0.003	0.020	0.110	55.5	1.6	2.1
	2024	30	0	0.063	0.006	0.018	0.127	69.0	3.4	2.5

Lake	Year	Mercury (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min.	Max.	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
HWL2	2016	30	0	0.060	0.004	0.030	0.136	59.8	1.8	2.1
	2018	30	0	0.066	0.004	0.032	0.113	59.1	1.8	2.2
	2021	34	0	0.087	0.006	0.048	0.199	58.7	1.8	2.2
	2024	30	0	0.055	0.006	0.028	0.186	55.7	1.6	1.9
Ross	2016	30	0	0.059	0.010	0.030	0.347	64.1	2.4	2.1
	2018	30	0	0.046	0.002	0.027	0.079	58.9	1.9	2.0
	2021	31	0	0.055	0.003	0.023	0.084	61.2	2.0	2.1
	2024	30	0	0.054	0.005	0.023	0.168	62.1	2.3	2.2
Logan	2016	30	0	0.033	0.003	0.015	0.081	59.6	1.9	1.5
	2018	30	0	0.031	0.003	0.013	0.078	59.5	1.8	1.9
	2021	38	0	0.019	0.001	0.003	0.042	63.4	2.3	2.3
	2024	30	0	0.030	0.003	0.008	0.076	59.4	1.8	2.3

Notes:

Dash (-) = not applicable; % = percent; g = gram; mg/kg wwt = milligram per kilogram on a wet weight basis; mm = millimetre

AEMP = Aquatic Effects Monitoring Program; BDL = below detection limit; max. = maximum value; min. = minimum value; n = sample size; SE = standard error

Summary statistics not calculated when more than 60% of the values were below detection limit.

Table E-15 Summary of Slimy Sculpin Whole Body Selenium Data for AEMP Lakes, 2007 to 2024

Lake	Year	Selenium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min.	Max.	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Nanuq	2007	5	0	1.685	0.215	1.265	2.430	54.6	1.6	-
	2012	30	0	1.254	0.043	0.775	1.638	56.0	1.7	2.4
	2015	30	0	1.163	0.048	0.785	1.943	63.0	2.4	2.0
	2018	30	0	1.441	0.180	0.693	4.620	53.7	1.4	1.7
	2021	26	0	0.954	0.029	0.739	1.350	54.7	1.6	2.3
	2024	30	0	0.730	0.035	0.380	1.320	60.1	1.8	2.3
Counts	2007	22	14	1.437	0.084	0.813	2.183	55.6	1.6	-
	2012	31	0	0.841	0.121	0.386	4.373	64.5	2.5	2.6
	2015	30	0	0.699	0.031	0.440	1.385	69.2	3.2	2.7
	2018	30	0	0.613	0.019	0.432	0.878	67.4	3.2	2.5
	2021	30	0	0.596	0.019	0.378	0.834	64.7	2.4	2.4
	2024	30	0	0.772	0.069	0.349	1.480	61.0	2.1	2.4
Vulture	2007	23	22	1.389	0.039	1.043	1.763	55.5	1.3	-
	2012	31	3	1.101	0.045	0.660	1.833	52.9	1.3	1.9
	2015	30	0	1.168	0.055	0.766	2.106	54.4	1.3	1.9
	2018	30	0	2.416	0.566	1.033	18.200	50.1	1.1	1.6
	2021	32	0	1.018	0.044	0.654	1.620	50.4	1.1	2.3
	2024	30	0	0.770	0.032	0.371	1.150	53.6	1.3	2.3

Lake	Year	Selenium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min.	Max.	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Northeast	2016	30	0	0.771	0.025	0.493	1.092	62.7	2.3	1.8
	2018	30	0	0.780	0.022	0.546	1.040	59.7	2.0	2.2
	2021	40	0	0.687	0.021	0.401	0.956	52.0	1.4	2.2
	2024	30	0	0.669	0.032	0.211	1.130	59.6	2.0	2.5
Kodiak	2007	9	0	1.039	0.089	0.769	1.689	65.0	2.4	-
	2012	34	0	0.603	0.025	0.384	1.091	61.6	2.0	2.7
	2015	30	0	0.545	0.017	0.340	0.727	66.1	2.4	3.3
	2018	30	0	1.041	0.361	0.409	8.990	63.6	2.4	2.1
	2021	33	0	0.825	0.030	0.607	1.200	67.2	2.5	2.5
	2024	30	0	0.631	0.037	0.297	1.120	65.9	2.6	2.5
Leslie	2007	20	0	2.333	0.179	1.519	4.625	59.1	1.7	-
	2012	1	0	4.441	0.000	4.441	4.441	71.0	3.0	4.0
	2015	26	0	5.972	0.231	4.286	8.723	65.9	2.6	3.0
	2018	30	0	8.824	0.631	0.554	15.800	54.1	1.4	1.9
	2021	34	0	4.888	0.214	2.770	7.800	57.9	1.8	2.3
	2024	30	0	6.475	0.384	2.620	12.400	62.0	2.2	2.5
Moose	2007	20	5	2.577	0.307	1.000	6.452	53.9	1.3	-
	2012	21	0	2.049	0.172	0.606	4.086	60.2	1.9	2.0
	2015	30	0	3.737	0.214	0.823	6.151	67.4	3.0	3.0
	2018	30	0	4.357	0.354	0.777	8.000	59.1	1.9	1.6
	2021	30	0	3.638	0.276	1.480	7.740	65.3	2.5	2.1
	2024	30	0	3.070	0.350	1.090	8.240	63.9	2.6	2.4

Lake	Year	Selenium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min.	Max.	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Nema	2007	12	8	2.078	0.308	1.008	4.979	59.7	2.0	-
	2012	30	0	1.639	0.065	1.028	2.540	61.6	2.3	2.3
	2015	30	0	2.340	0.077	1.433	3.045	72.5	3.5	2.9
	2018	30	0	4.134	0.301	0.561	7.880	67.9	3.1	2.4
	2021	30	0	2.479	0.099	1.500	4.030	65.1	2.7	2.7
	2024	30	0	2.305	0.178	0.993	5.390	71.4	3.4	3.4
Slipper	2007	20	25	1.634	0.102	1.030	2.626	67.7	3.2	-
	2012	29	0	0.841	0.028	0.494	1.151	77.8	4.8	2.1
	2015	30	0	0.943	0.032	0.678	1.403	65.4	2.8	2.1
	2018	30	0	1.247	0.034	0.857	1.600	56.0	1.6	1.7
	2021	30	0	1.360	0.041	0.904	1.930	56.9	1.7	2.2
	2024	30	0	1.277	0.027	1.060	1.590	59.9	2.0	2.0
Cujo	2007	20	5	2.425	0.142	1.731	4.129	60.6	2.0	-
	2012	24	0	1.621	0.061	1.050	2.236	63.5	2.5	2.5
	2015	30	0	1.373	0.080	0.470	3.323	74.1	4.0	3.2
	2018	30	0	1.049	0.033	0.676	1.510	63.4	2.5	1.9
	2021	31	0	1.507	0.054	0.915	2.080	61.7	2.5	2.2
	2024	30	0	1.471	0.070	0.810	2.590	74.7	4.0	2.7
Horseshoe	2016	30	0	0.617	0.024	0.392	0.992	59.0	1.8	1.4
	2018	31	0	0.594	0.014	0.450	0.787	60.3	2.3	2.1
	2021	39	0	0.557	0.011	0.391	0.749	55.5	1.6	2.1
	2024	30	0	0.517	0.019	0.366	0.825	69.0	3.4	2.5

Lake	Year	Selenium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min.	Max.	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
HWL2	2016	30	0	0.757	0.023	0.525	0.984	59.8	1.8	2.1
	2018	30	0	0.725	0.025	0.419	0.979	59.1	1.8	2.2
	2021	34	0	0.711	0.027	0.108	1.040	58.7	1.8	2.2
	2024	30	0	0.649	0.022	0.463	0.946	55.7	1.6	1.9
Ross	2016	30	0	0.867	0.165	0.548	5.629	64.1	2.4	2.1
	2018	30	0	0.708	0.020	0.506	0.997	58.9	1.9	2.0
	2021	31	0	0.690	0.016	0.468	0.856	61.2	2.0	2.1
	2024	30	0	0.630	0.031	0.408	1.310	62.1	2.3	2.2
Logan	2016	30	0	0.567	0.016	0.416	0.782	59.6	1.9	1.5
	2018	30	0	1.138	0.262	0.439	5.910	59.5	1.8	1.9
	2021	38	0	0.549	0.023	0.223	0.939	63.4	2.3	2.3
	2024	30	0	0.662	0.026	0.439	0.954	59.4	1.8	2.3

Notes:
Dash (-) = not applicable; % = percent; g = gram; mg/kg wwt = milligram per kilogram on a wet weight basis; mm = millimetre
AEMP = Aquatic Effects Monitoring Program; BDL = below detection limit; max. = maximum value; min. = minimum value; n = sample size; SE = standard error
Summary statistics not calculated when more than 60% of the values were below detection limit.

EKATI MINE

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Appendix F: Historical Large-Bodied Fish Data Summaries

April 2025

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DIAMOND MINES

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Table F-1 Summary of Lake Trout CPUE Data for AEMP Lakes, 1994 to 2024

Lake	Year	n	Mean	SD	SE
Nanuq	1997	50	1.55	1.91	0.27
	2002	18	0.47	0.67	0.16
	2007	59	0.29	0.50	0.06
	2012	31	0.35	0.64	0.11
	2018	72	0.65	1.48	0.17
	2024	28	0.56	0.92	0.10
Counts	1997	28	2.26	2.40	0.45
	2002	13	2.04	1.33	0.37
	2007	24	0.55	0.55	0.11
	2012	10	0.98	1.59	0.50
	2018	31	1.35	2.01	0.36
	2024	24	3.06	2.97	1.05
Vulture	1995	21	1.46	2.55	0.56
	1997	33	4.93	2.97	0.52
	2002	19	0.34	0.42	0.10
	2007	34	0.32	0.46	0.08
	2012	38	0.29	0.64	0.10
	2018	53	0.84	1.53	0.21
	2024	22	0.71	1.45	0.27
Kodiak	1994	7	1.87	3.96	1.50
	1995	29	1.90	2.91	0.54
	1996	15	0.84	1.03	0.27
	1997	15	0.87	1.06	0.27
	1998	30	1.08	1.38	0.25
	1999	30	0.78	1.39	0.25
	2002	16	0.81	0.96	0.24
	2007	38	0.52	0.77	0.13
	2012	28	0.55	0.68	0.13
	2018	58	0.81	1.65	0.22
	2024	22	4.16	6.17	1.54

Lake	Year	n	Mean	SD	SE
Leslie	2007	53	0.68	0.97	0.13
	2012	18	1.05	1.36	0.32
	2018	17	4.09	5.06	1.23
	2024	33	5.37	5.37	1.20
Moose	1996	12	1.71	1.61	0.46
	2002	10	0.91	0.72	0.23
	2007	24	0.67	0.79	0.16
	2012	19	0.47	0.74	0.17
	2018	14	4.60	5.45	1.46
	2024	20	6.61	7.30	1.95
Nema	1994	9	0.70	0.64	0.21
	2002	11	0.91	1.07	0.32
	2007	23	0.78	0.92	0.19
	2012	26	0.50	0.85	0.17
	2018	19	2.27	4.00	0.92
	2024	21	1.67	2.54	0.44
Slipper	1995	15	2.26	2.13	0.55
	1996	14	1.39	1.12	0.30
	2002	14	0.76	0.91	0.24
	2007	36	0.56	0.64	0.11
	2012	18	0.75	1.11	0.26
	2018	41	1.55	1.92	0.30
	2024	32	1.38	1.94	0.27
Cujo	1999	23	2.25	2.34	0.49
	2002	11	1.31	1.93	0.58
	2007	23	0.98	1.26	0.26
	2012	13	3.31	3.80	1.05
	2018	39	1.37	1.73	0.28
	2024	24	2.01	3.57	0.87

Notes:

CPUE = catch per unit effort; n = number of gillnet sets; SD = standard deviation; SE = standard error. CPUE represents the number of fish captured / 100 m^2 of gillnet / h. One gillnet set = 3 panels of 15.24 m X 2.44 m = 111.6 m^2 of 3.8 cm mesh net.

Table F-2 Summary of Round Whitefish CPUE Data for AEMP Lakes, 1994 to 2024

Lake	Year	n	Mean	SD	SE
Nanuq	1997	50	0.86	1.42	0.20
	2002	18	0.51	1.12	0.26
	2007	59	0.06	0.25	0.03
	2012	31	0.62	1.29	0.23
	2018	72	0.89	2.20	0.26
	2024	104	2.38	4.00	0.46
Counts	1997	28	3.95	3.41	0.64
	2002	13	3.49	2.73	0.76
	2007	24	1.12	1.11	0.23
	2012	10	3.60	2.84	0.90
	2018	31	6.17	4.48	0.81
	2024	30	3.18	6.34	2.24
Vulture	1995	21	NA	NA	NA
	1997	33	NA	NA	NA
	2002	19	NA	NA	NA
	2007	34	NA	NA	NA
	2012	38	NA	NA	NA
	2018	53	NA	NA	NA
	2024	0	NA	NA	NA
Kodiak	1994	7	5.38	8.95	3.38
	1995	29	5.69	4.91	0.91
	1996	15	3.90	2.66	0.69
	1997	15	8.17	7.33	1.89
	1998	30	7.90	5.65	1.03
	1999	30	7.01	5.89	1.08
	2002	16	2.86	2.73	0.68
	2007	38	2.03	5.93	0.96
	2012	28	1.10	1.41	0.27
	2018	58	2.48	4.97	0.65
	2024	24	4.58	5.87	1.47

Lake	Year	n	Mean	SD	SE
Leslie	2007	53	0.80	1.16	0.16
	2012	18	1.92	2.00	0.47
	2018	17	2.63	3.00	0.73
	2024	22	3.22	3.91	0.87
Moose	1996	12	1.84	2.44	0.71
	2002	10	2.18	2.15	0.68
	2007	24	0.55	0.83	0.17
	2012	19	1.17	1.83	0.42
	2018	14	4.08	4.23	1.13
	2024	28	9.02	11.68	3.12
Nema	1994	9	0.85	0.72	0.24
	2002	11	3.91	3.97	1.20
	2007	23	1.09	2.50	0.52
	2012	26	2.58	4.22	0.83
	2018	19	9.86	13.99	3.21
	2024	47	4.16	6.09	1.06
Slipper	1995	15	1.42	2.83	0.73
	1996	14	3.50	2.98	0.80
	2002	14	2.90	3.42	0.91
	2007	36	1.10	1.80	0.30
	2012	18	1.53	1.94	0.46
	2018	41	5.90	7.31	1.14
	2024	127	6.75	15.30	2.12
Cujo	1999	23	5.14	4.16	0.87
	2002	11	5.68	4.45	1.34
	2007	23	1.79	2.69	0.56
	2012	13	2.46	2.79	0.77
	2018	39	5.46	4.97	0.80
	2024	24	2.47	3.86	0.94

Notes:

CPUE = catch per unit effort; n = number of gillnet sets; SD = standard deviation; SE = standard error. CPUE represents the number of fish captured / 100 m^2 of gillnet / h. One gillnet set = 3 panels of 15.24 m X 2.44 m = 111.6 m^2 of 3.8 cm mesh net.

Table F-3 Summary of Round Whitefish Parasite Infection Data for AEMP Lakes, 2007 to 2018

Lake	Year	No. Fish Sampled	Internal Parasites	External Parasites
			Infected (%)	Infected (%)
Nanuq	2007	3	0.0	0.0
	2012	19	0.0	0.0
	2018	26	0.0	0.0
	2024	26	0.0	0.0
Counts	2007	24	0.0	0.0
	2012	25	0.0	0.0
	2018	34	0.0	0.0
	2024	29	0.0	0.0
Kodiak	2007	21	4.8	0.0
	2012	22	4.6	0.0
	2018	23	4.4	0.0
	2024	23	0.0	0.0
Leslie	2007	20	20.0	0.0
	2012	23	8.7	0.0
	2018	27	3.7	0.0
	2024	22	0.0	0.0
Moose	2007	10	20.0	0.0
	2012	20	0.0	0.0
	2018	21	0.0	4.8
	2024	22	0.0	0.0
Nema	2007	19	15.8	0.0
	2012	34	5.9	0.0
	2018	23	4.4	21.7
	2024	22	0.0	0.0
Slipper	2007	20	5.0	0.0
	2012	23	4.3	8.7
	2018	48	14.6	25.0
	2024	29	0.0	0.0

Lake	Year	No. Fish Sampled	Internal Parasites	External Parasites
			Infected (%)	Infected (%)
Cujo	2007	14	22.2	0.0
	2012	20	4.8	0.0
	2018	22	0.0	0.0
	2024	21	14.3	0.0

Note:
No. = number

Table F-4 Summary of Lake Trout Fork Length Data for AEMP Lakes, 1994 to 2024

Lake	Year	n	Mean (mm)	SE (mm)	Min (mm)	Max (mm)
Nanuq	1997	68	351	15	145	655
	2002	9	441	46	264	650
	2007	22	531	22	426	850
	2012	9	479	34	275	610
	2018	23	483	15	415	764
	2024	28	438	31	187	770
Counts	1997	61	328	16	161	694
	2002	30	460	22	255	850
	2007	18	444	26	299	807
	2012	7	390	24	281	465
	2018	21	394	24	239	670
	2024	23	397	29	205	841
Vulture	1995	51	423	19	164	600
	1997	171	305	9	144	585
	2002	18	439	23	218	585
	2007	19	462	24	172	640
	2012	14	466	14	330	560
	2018	22	452	18	181	590
	2024	23	482	13	245	576
Kodiak	1994	10	453	22	320	543
	1995	41	500	17	357	831
	1996	34	436	13	195	607
	1997	17	410	21	224	535
	1998	19	471	24	259	660
	1999	13	558	27	402	750
	2002	14	477	36	327	773
	2007	17	635	39	349	872
	2012	12	460	23	395	655
	2018	20	459	17	315	638
	2024	22	531	19	458	840

Lake	Year	n	Mean (mm)	SE (mm)	Min (mm)	Max (mm)
Leslie	2007	23	536	23	416	840
	2012	13	468	16	390	625
	2018	30	476	13	372	620
	2024	33	494	12	393	723
Moose	1996	23	321	22	181	549
	2002	10	403	31	300	646
	2007	15	515	36	396	790
	2012	7	451	29	383	610
	2018	28	474	18	391	855
	2024	20	448	19	295	596
Nema	1994	14	398	26	248	595
	2002	11	425	23	328	600
	2007	14	529	30	400	704
	2012	10	541	20	445	622
	2018	21	476	13	295	591
	2024	21	505	28	165	841
Slipper	1995	55	383	18	168	790
	1996	47	383	21	192	864
	1997	14	400	23	222	530
	2002	12	449	35	286	665
	2007	20	534	33	346	1030
	2012	10	426	19	321	502
	2018	26	412	26	215	748
	2024	29	403	25	185	718
Cujo	1999	39	383	7	290	451
	2002	8	460	44	361	745
	2007	24	507	39	355	947
	2012	22	454	24	300	741
	2018	23	448	19	240	710
	2024	24	491	44	175	985

Notes:

Max = maximum value; min = minimum value; mm = millimetre; n = sample size; SE = standard error

Table F-5 Summary of Round Whitefish Fork Length Data for AEMP Lakes, 1994 to 2024

Lake	Year	n	Mean (mm)	SE (mm)	Min (mm)	Max (mm)
Nanuq	1997	47	281	11	170	415
	2002	10	309	15	247	394
	2007	4	368	14	329	394
	2012	19	255	9	198	330
	2018	27	318	12	182	390
	2024	78	259	9	133	430
Counts	1997	101	292	6	193	380
	2002	51	317	4	231	406
	2007	32	325	6	244	392
	2012	25	330	8	212	389
	2018	40	317	6	198	380
	2024	30	351	4	270	388
Vulture	1995	-	-	-	-	-
	1997	-	-	-	-	-
	2002	-	-	-	-	-
	2007	-	-	-	-	-
	2012	-	-	-	-	-
	2018	-	-	-	-	-
	2024	-	-	-	-	-
Kodiak	1994	28	376	6	302	430
	1995	12	302	22	189	392
	1996	151	284	6	175	441
	1997	130	265	6	178	445
	1998	157	306	5	173	450
	1999	117	332	5	210	444
	2002	53	324	8	205	441
	2007	44	246	9	179	359
	2012	22	353	10	258	409
	2018	24	359	11	206	420
	2024	24	284	16	198	440

Lake	Year	n	Mean (mm)	SE (mm)	Min (mm)	Max (mm)
Leslie	2007	23	387	26	173	798
	2012	23	325	17	199	470
	2018	33	363	10	263	430
	2024	22	405	5	360	440
Moose	1996	41	263	12	182	452
	2002	22	303	7	210	362
	2007	10	353	3	337	367
	2012	20	303	19	209	421
	2018	22	369	9	203	420
	2024	28	287	16	145	411
Nema	1994	17	370	11	269	415
	2002	44	288	6	214	400
	2007	19	344	4	299	370
	2012	48	301	8	215	419
	2018	29	375	6	320	424
	2024	38	356	11	215	446
Slipper	1995	24	307	10	197	366
	1996	128	290	5	180	480
	1997	16	275	12	215	374
	2002	42	274	6	192	332
	2007	28	275	13	178	388
	2012	24	263	10	182	345
	2018	81	277	5	186	370
	2024	72	256	7	105	388
Cujo	1999	94	326	5	210	390
	2002	79	291	6	178	409
	2007	29	341	10	232	400
	2012	21	344	14	192	421
	2018	22	359	5	320	410
	2024	24	321	18	179	404

Notes:

Dash (-) = not applicable; max = maximum value; min = minimum value; mm = millimetre; n = sample size; SE = standard error

Table F-6 Summary of Lake Trout Weight Data for AEMP Lakes, 1994 to 2024

Lake	Year	n	Mean (g)	SE (g)	Min (g)	Max (g)
Nanuq	1997	68	662	83	34	3500
	2002	9	1069	277	200	2650
	2007	22	1907	371	896	9250
	2012	8	1360	240	240	2287
	2018	23	1281	186	638	5200
	2024	25	1337	275	51	4790
Counts	1997	61	554	78	43	3150
	2002	30	1271	233	175	7050
	2007	18	1035	218	293	4500
	2012	7	646	91	228	883
	2018	21	899	224	161	4000
	2024	22	973	311	97	7060
Vulture	1995	46	1324	103	100	2825
	1997	165	555	50	29	2800
	2002	18	1097	139	102	2300
	2007	19	1307	118	50	2036
	2012	14	1241	94	408	1923
	2018	21	1137	112	56	2370
	2024	22	1327	88	144	2200
Kodiak	1994	10	1030	145	380	2100
	1995	40	1636	233	540	7250
	1996	33	970	68	80	2000
	1997	17	914	114	125	1750
	1998	19	1308	182	200	3150
	1999	13	2223	337	900	5400
	2002	14	1463	400	348	5000
	2007	17	3214	464	485	6690
	2012	12	1139	217	607	3315
	2018	20	1104	140	368	3400
	2024	22	1681	250	940	6620

Lake	Year	n	Mean (g)	SE (g)	Min (g)	Max (g)
Leslie	2007	25	1982	354	875	7022
	2012	13	1179	124	562	2380
	2018	30	1106	95	555	2454
	2024	32	1351	124	690	4470
Moose	1996	23	469	94	50	1900
	2002	10	773	285	275	3300
	2007	15	1771	401	695	5100
	2012	7	1079	231	621	2377
	2018	24	1272	204	524	5500
	2024	20	1043	119	280	2140
Nema	1994	14	696	114	160	1650
	2002	11	917	209	374	2900
	2007	13	1774	329	828	4041
	2012	10	1701	170	1043	2530
	2018	21	1248	82	349	1994
	2024	20	1492	253	50	5590
Slipper	1995	52	981	164	60	5500
	1996	46	852	154	70	5000
	1997	14	723	103	108	1517
	2002	12	1140	255	225	3100
	2007	20	1765	411	212	7600
	2012	10	820	96	350	1297
	2018	26	1013	229	97	4899
	2024	26	1002	194	81	3930
Cujo	1999	39	652	30	319	1016
	2002	8	1330	501	422	4750
	2007	24	2883	955	447	9570
	2012	22	1131	226	278	4405
	2018	23	1087	270	137	6804
	2024	24	2122	600	49	10960

Notes:

g = gram; max = maximum value; min = minimum value; n = sample size; SE = standard error

Table F-7 Summary of Round Whitefish Weight Data for AEMP Lakes, 1994 to 2024

Lake	Year	n	Mean (g)	SE (g)	Min (g)	Max (g)
Nanuq	1997	21	343	46	60	780
	2002	10	320	43	150	600
	2007	4	521	65	344	657
	2012	19	175	20	84	349
	2018	27	380	37	52	688
	2024	48	229	37	54	1000
Counts	1997	46	317	18	80	570
	2002	51	368	12	126	700
	2007	32	402	23	141	722
	2012	25	440	33	109	673
	2018	40	352	18	72	636
	2024	30	507	19	301	707
Vulture	1995	-	-	-	-	-
	1997	-	-	-	-	-
	2002	-	-	-	-	-
	2007	-	-	-	-	-
	2012	-	-	-	-	-
	2018	-	-	-	-	-
	2024	-	-	-	-	-
Kodiak	1994	28	629	31	340	1000
	1995	12	435	93	75	920
	1996	32	305	44	60	1100
	1997	63	283	37	57	1250
	1998	157	409	23	65	1260
	1999	117	502	22	110	1220
	2002	53	394	27	76	950
	2007	44	186	22	55	516
	2012	22	497	39	172	787
	2018	24	537	37	89	895
	2024	23	270	51	78	869

Lake	Year	n	Mean (g)	SE (g)	Min (g)	Max (g)
Leslie	2007	22	642	62	58	991
	2012	22	462	80	83	1290
	2018	33	556	38	200	898
	2024	22	748	26	494	920
Moose	1996	12	242	93	55	1100
	2002	22	295	20	100	518
	2007	10	489	15	410	556
	2012	20	403	74	84	864
	2018	22	572	30	127	832
	2024	27	315	44	66	695
Nema	1994	16	578	50	180	870
	2002	44	257	17	94	682
	2007	19	475	19	296	649
	2012	48	330	29	115	792
	2018	28	650	30	380	866
	2024	24	574	54	106	1006
Slipper	1995	21	371	30	80	550
	1996	39	271	18	70	480
	1997	10	252	52	90	626
	2002	42	224	15	67	400
	2007	28	258	37	55	620
	2012	24	197	23	57	421
	2018	80	224	12	60	450
	2024	39	206	24	67	584
Cujo	1999	94	406	16	85	621
	2002	79	310	22	54	790
	2007	29	509	57	133	872
	2012	21	501	49	70	897
	2018	22	533	22	374	774
	2024	24	445	56	55	780

Notes:

g = gram; max = maximum value; min = minimum value; n = sample size; SE = standard error

Table F-8 Summary of Lake Trout Condition Data for AEMP Lakes, 1994 to 2024

Lake	Year	n	Mean	Min	Max
Nanuq	1997	68	1.07	0.66	1.59
	2002	9	1.05	0.87	1.16
	2007	22	1.12	0.84	1.68
	2008	23	1.07	0.90	1.28
	2012	8	1.06	0.83	1.37
	2018	23	1.06	0.78	1.27
	2024	26	1.08	0.69	2.12
Counts	1997	61	1.06	0.64	1.39
	2002	30	1.07	0.85	1.23
	2007	18	1.04	0.84	1.22
	2012	7	1.04	0.85	1.22
	2018	21	1.12	0.88	1.46
	2024	23	1.09	0.84	1.23
Vulture	1995	51	1.28	0.93	1.60
	1997	168	1.17	0.64	1.65
	2002	20	1.14	0.98	1.30
	2007	19	1.20	0.72	1.45
	2012	14	1.19	1.09	1.35
	2018	22	1.12	0.76	1.45
	2024	25	1.15	0.83	1.46
Kodiak	1994	10	1.07	0.82	1.35
	1995	40	1.16	0.85	1.53
	1996	33	1.12	0.89	2.18
	1997	17	1.20	0.92	1.63
	1998	19	1.10	0.92	1.24
	1999	13	1.19	0.98	1.50
	2002	14	1.03	0.86	1.23
	2007	17	1.11	0.77	1.34
	2012	12	1.06	0.94	1.19
	2018	20	1.06	0.81	1.31
	2024	22	1.05	0.72	1.31

Lake	Year	n	Mean	Min	Max
Leslie	2007	23	1.12	0.62	1.51
	2012	13	1.13	0.89	1.43
	2018	30	1.12	0.95	1.30
	2024	32	1.08	0.89	1.22
Moose	1996	23	1.04	0.84	1.28
	2002	10	0.94	0.68	1.22
	2007	15	1.10	0.89	1.29
	2012	7	1.09	1.03	1.22
	2018	24	1.02	0.79	1.30
	2024	20	0.91	0.41	1.16
Nema	1994	14	0.99	0.78	1.13
	2002	11	1.07	0.86	1.34
	2007	13	1.15	0.88	1.29
	2012	10	1.05	0.91	1.18
	2018	21	1.13	0.97	1.36
	2024	20	0.97	0.55	1.23
Slipper	1995	52	1.18	0.97	1.78
	1996	46	1.03	0.78	1.36
	1997	14	1.00	0.80	1.13
	2002	12	1.07	0.90	1.31
	2007	20	0.94	0.24	2.56
	2012	10	1.02	0.89	1.08
	2018	26	1.09	0.80	2.27
	2024	28	1.03	0.79	1.27
Cujo	1999	39	1.14	0.91	1.37
	2002	8	1.10	0.90	1.26
	2007	13	1.10	0.85	1.57
	2012	22	0.98	0.56	1.15
	2018	23	1.00	0.43	1.90
	2024	24	1.08	0.86	1.28

Notes:

Condition (K) is calculated as (weight (g) $*10^5$) / total length $(mm)^3$.

Max = maximum value; min = minimum value; n = sample size; SE = standard error

Table F-9 Summary of Round Whitefish Condition Data for AEMP Lakes, 1997 to 2024

Lake	Year	n	Mean	Min	Max
Nanuq	1997	68	1.01	0.85	1.19
	2002	9	1.03	0.97	1.07
	2007	22	1.02	0.97	1.07
	2012	8	0.99	0.89	1.28
	2018	23	1.04	0.81	1.18
	2024	74	0.94	0.80	1.28
Counts	1997	61	1.01	0.65	1.23
	2002	30	1.15	0.97	1.26
	2007	18	1.14	0.79	2.37
	2012	7	1.16	1.01	1.41
	2018	21	1.06	0.86	1.19
	2024	30	1.16	0.88	1.54
Kodiak	1994	10	1.17	0.73	1.37
	1995	40	1.23	1.01	1.61
	1996	33	0.99	0.82	1.28
	1997	17	1.11	0.69	1.81
	1998	19	1.23	1.03	1.65
	1999	13	1.26	0.96	1.59
	2002	14	1.04	0.80	1.28
	2007	17	1.02	0.70	1.28
	2012	12	1.08	1.00	1.20
	2018	20	1.10	0.81	1.41
	2024	23	1.03	0.91	1.17
Leslie	2007	23	1.13	0.84	1.32
	2012	13	1.18	1.05	1.42
	2018	30	1.09	0.88	1.20
	2024	22	1.12	0.98	1.25

Lake	Year	n	Mean	Min	Max
Moose	1996	23	0.97	0.79	1.19
	2002	10	1.02	0.91	1.17
	2007	15	1.11	1.02	1.16
	2012	7	1.11	0.92	1.41
	2018	24	1.11	1.02	1.52
	2024	27	1.00	0.82	1.17
Nema	1994	14	1.10	0.92	1.24
	2002	11	1.01	0.85	1.13
	2007	13	1.16	0.99	1.32
	2012	10	1.09	0.92	1.23
	2018	21	1.19	1.00	1.36
	2024	39	1.09	0.82	1.23
Slipper	1995	52	1.19	0.97	2.04
	1996	46	1.02	0.82	1.21
	1997	14	1.02	0.88	1.20
	2002	12	1.01	0.78	1.19
	2007	20	1.00	0.69	1.19
	2012	10	0.98	0.87	1.08
	2018	26	0.96	0.00	1.11
	2024	72	0.94	0.84	1.10
Cujo	1999	39	1.10	0.83	1.39
	2002	8	1.07	0.00	2.37
	2007	13	1.20	1.05	1.47
	2012	22	1.11	0.99	1.22
	2018	23	1.14	1.06	1.26
	2024	24	1.10	0.96	1.23

Notes:

Condition (K) is calculated as (weight (g) $*10^5$) / total length $(mm)^3$.

Max = maximum value; min = minimum value; n = sample size; SE = standard error

Table F-10 Summary of Round Whitefish Sex Ratio Data for AEMP Lakes, 1997 to 2024

Lake	Year	n	Sex			Sex ratio (M:F)	Maturity			Percent Mature	Reproductive Status				Ripe or Maturing (%)
			Male	Female	Unid.		Immature	Mature	Unid.		Undev.	Maturing	Ripe	Unid.	
Nanuq	1997	47	4	1	42	4.0	4	1	42	20	4	1	0	42	20
	2002	10	3	6	1	0.5	1	9	0	90	1	1	8	0	90
	2007	4	2	1	1	2.0	0	3	1	100	0	3	0	1	100
	2012	19	8	11	0	0.7	14	5	0	26	14	3	2	0	26
	2018	27	12	13	2	0.9	8	17	2	68	8	6	11	2	68
	2024	78	6	13	59	0.5	15	5	58	6	15	3	2	58	6
Counts	1997	101	21	24	56	0.9	12	33	56	73	12	33	0	56	73
	2002	52	8	10	34	0.8	1	17	34	94	1	0	17	34	94
	2007	32	21	5	6	4.2	2	24	6	92	2	14	10	6	92
	2012	25	14	11	0	1.3	1	24	0	96	1	1	23	0	96
	2018	40	11	13	16	0.8	3	21	16	88	3	16	5	16	88
	2024	30	16	13	1	1.23	0	29	1	97	0	28	1	1	97
Kodiak	1994	28	8	19	1	0.4	0	27	1	100	0	27	0	1	100
	1995	12	5	6	1	0.8	3	8	1	73	3	7	1	1	73
	1996	151	24	23	104	1.0	33	13	105	28	27	11	0	113	29
	1997	130	24	28	78	0.9	40	12	78	23	40	4	8	78	23
	1998	157	24	21	112	1.1	19	26	112	58	26	1	18	112	42
	1999	117	4	6	107	0.7	4	6	107	60	4	2	4	107	60
	2002	55	10	8	37	1.3	3	15	37	83	3	0	16	36	84
	2007	44	14	21	9	0.7	21	14	9	40	21	14	0	9	40
	2012	22	17	5	0	3.4	5	16	1	76	5	0	16	1	76
	2018	24	17	6	1	2.8	4	19	1	83	4	5	14	1	83
	2024	24	4	8	12	0.5	3	9	12	38	3	6	3	12	38
Leslie	2007	24	10	8	6	1.3	3	15	6	83	3	15	0	6	83
	2012	23	6	14	3	0.4	7	14	2	67	7	8	6	2	67
	2018	33	13	10	10	1.3	5	16	12	76	5	7	9	12	76
	2024	22	12	9	1	1.3	0	19	3	86	0	19	0	3	86

Lake	Year	n	Sex			Sex ratio (M:F)	Maturity			Percent Mature	Reproductive Status				Ripe or Maturing (%)
			Male	Female	Unid.		Immature	Mature	Unid.		Undev.	Maturing	Ripe	Unid.	
Moose	1996	41	2	8	31	0.3	9	1	31	10	9	0	1	31	10
	2002	23	7	7	9	1.0	2	12	9	86	2	4	8	9	86
	2007	10	6	4	0	1.5	0	10	0	100	0	7	3	0	100
	2012	20	7	12	1	0.6	12	8	0	40	12	0	8	0	40
	2018	22	13	8	1	1.6	1	20	1	95	1	5	15	1	95
	2024	28	6	9	13	0.7	11	14	3	50	11	9	5	3	50
Nema	1994	17	7	7	3	1.0	0	13	4	100	0	13	0	4	100
	2002	47	11	8	28	1.4	7	12	28	63	7	0	12	28	63
	2007	19	8	11	0	0.7	0	19	0	100	0	19	0	0	100
	2012	48	15	19	14	0.8	17	17	14	50	17	8	9	14	50
	2018	71	8	13	50	0.6	2	19	50	90	2	7	12	50	90
	2024	38	9	13	16	0.7	4	15	19	39	4	15	0	19	39
Slipper	1995	23	11	7	5	1.6	4	13	6	76	9	8	0	6	47
	1996	128	25	16	87	1.6	23	17	88	43	24	16	0	88	40
	1997	16	5	5	6	1.0	6	4	6	40	6	0	4	6	40
	2002	46	10	7	29	1.4	6	11	29	65	5	1	11	29	71
	2007	28	3	15	10	0.2	8	11	9	58	8	6	5	9	58
	2012	24	12	11	1	1.1	15	8	1	35	15	3	5	1	35
	2018	81	18	21	42	0.9	15	26	40	63	15	25	1	40	63
	2024	73	7	13	53	0.5	15	9	49	12	15	9	0	49	12
Cujo	1999	65	29	33	3	0.9	10	55	0	85	4	8	52	1	94
	2002	17	10	7	0	1.4	3	14	0	82	3	1	13	0	82
	2007	19	8	11	0	0.7	0	19	0	100	0	16	3	0	100
	2012	21	13	8	0	1.6	3	17	1	85	3	0	17	1	85
	2018	22	10	12	0	0.8	1	21	0	95	1	5	16	0	95
	2024	24	10	8	6	1.25	9	15	0	63	9	15	0	0	63

Notes:

F = female; M = male; Unid. = unidentified; Undev. = undeveloped

% Maturing or Mature = fish maturing, ripe, running or spent over total fish for which gonad maturity was assessed. Unknown not included in this calculation.

Table F-11 Summary of Round Whitefish Egg Count Data for AEMP Lakes, 1997 to 2024

Lake	Year	Total No. of Eggs					Mean No. of Eggs/Gram Body Weight				
		n	Mean	SE	Min	Max	n	Mean	SE	Min	Max
Nanuq	2007	1	9,870	-	9,870	9,870	1	15	-	15	15
	2012	1	3,870	-	3,870	3,870	1	12	-	12	12
	2018	8	8,578	576	7,007	11,385	8	18	0	14	18
	2024	8	1,188	781	0	5,115	8	2	1	0	7
Counts	2007	5	7,874	1,642	3,020	11,460	5	18	4	7	24
	2012	10	7,430	1,248	1,610	11,330	10	13	2	5	20
	2018	11	7,453	607	5,672	12,914	11	18	1	15	21
	2024	13	5,513	277	3,169	6,531	13	11	1	8	17
Kodiak	2007	8	3,718	390	2,300	5,780	8	10	1	7	13
	2012	4	4,205	564	2,890	5,460	4	8	1	6	9
	2018	3	7,755	2,150	4,622	11,873	3	15	3	10	21
	2024	8	2,408	941	0	5,912	8	3	1	0	8
Leslie	2007	7	10,813	1,322	4,620	14,680	7	14	1	9	18
	2012	2	14,350	2,790	11,560	17,140	1	11	-	11	11
	2018	4	8,097	905	5,807	10,158	4	12	1	8	14
	2024	9	4,992	545	2,626	7,837	9	6	1	4	10
Moose	2007	4	5,656	276	5,090	6,413	4	12	1	10	15
	2012	6	13,976	1,645	9,700	20,585	6	17	2	12	25
	2018	8	7,361	486	5,412	8,936	8	13	1	10	17
	2024	9	2,648	547	0	4,760	9	5	1	0	8

Lake	Year	Total No. of Eggs					Mean No. of Eggs/Gram Body Weight				
		n	Mean	SE	Min	Max	n	Mean	SE	Min	Max
Nema	2007	11	7,012	711	2,000	11,250	11	14	1	3	18
	2012	4	6,285	1,264	3,360	9,175	4	9	1	6	12
	2018	11	8,567	1,009	1,470	12,843	11	12	1	3	16
	2024	11	3,962	680	0	7,336	11	5	1	0	8
Slipper	2007	9	7,840	619	4,430	9,810	9	19	4	11	49
	2012	4	3,400	265	2,620	3,770	4	9	0	8	9
	2018	7	3,284	337	2,345	4,604	7	11	1	8	14
	2024	6	2,299	681	0	4,026	6	8	1	0	7
Cujo	2007	8	9,603	671	7,130	12,240	8	14	1	11	17
	2012	6	7,421	843	5,240	10,510	5	13	0	11	14
	2018	10	7,852	260	6,563	9,434	10	15	1	12	18
	2024	6	4,153	530	2,653	6,032	6	6	1	4	8

Notes:

Dash (-) = not applicable; max = maximum; min = minimum; n = sample size; No. = number; SE = standard error

Table F-12 Summary of Round Whitefish Gonadosomatic Index Data for AEMP Lakes, 2002 to 2024

Lake	Year	Sex	Gonadosomatic Index				
			n	Mean	SE	Min	Max
Nanuq	2002	F	5	2.73	0.15	2.38	3.24
		M	0	-	-	-	-
		U	0	-	-	-	-
	2007	F	0	-	-	-	-
		M	0	-	-	-	-
	2012	F	0	-	-	-	-
		M	1	2.72	-	2.72	2.72
	2018	F	8	4.04	0.26	2.66	4.86
		M	9	2.49	0.19	1.66	3.40
	2024	F	8	1.61	0.91	0.18	6.14
		M	3	1.37	1.25	0.04	3.87
		U	1	0.05	-	0.05	0.05
Counts	2002	F	5	2.71	0.18	2.27	3.27
		M	0	-	-	-	-
	2007	F	2	4.53	1.07	3.46	5.60
		M	7	3.63	0.21	2.95	4.40
	2012	F	10	6.40	0.42	4.14	8.58
		M	13	4.53	0.37	1.74	6.05
	2018	F	11	4.01	0.29	2.53	6.06
		M	10	2.85	0.27	1.83	4.39
	2024	F	12	6.01	0.26	4.72	7.57
		M	16	4.42	0.20	2.78	5.89
Kodiak	2002	F	6	2.43	0.47	0.58	3.59
		M	0	-	-	-	-
		U	0	-	-	-	-
	2007	F	0	-	-	-	-
		M	0	-	-	-	-
	2012	F	3	3.56	0.21	3.16	3.84
		M	11	3.09	0.14	2.45	3.78
	2018	F	3	4.70	1.17	3.04	6.97
		M	16	2.44	0.15	0.96	3.58

Lake	Year	Sex	Gonadosomatic Index				
			n	Mean	SE	Min	Max
Kodiak *(cont'd)*	2024	F	4	5.59	0.21	5.17	6.08
		M	3	1.10	1.03	0.05	3.16
		U	1	0.16	-	0.16	0.16
Leslie	2007	F	0	-	-	-	-
		M	0	-	-	-	-
		U	0	-	-	-	-
	2012	F	1	6.87	-	6.87	6.87
		M	4	3.24	0.40	2.44	4.10
		U	0	-	-	-	-
	2018	F	4	5.09	0.36	4.36	6.00
		M	11	2.86	0.24	1.59	4.69
	2024	F	10	5.13	0.37	3.46	6.91
		M	12	3.08	0.23	1.70	4.63
Moose	2002	F	4	2.51	0.92	0.75	5.09
		M	0	-	-	-	-
		U	0	-	-	-	-
	2007	F	0	-	-	-	-
		M	3	2.80	0.16	2.48	3.02
	2012	F	6	8.37	0.65	6.00	9.88
		M	0	-	-	-	-
	2018	F	8	3.43	0.15	2.88	4.24
		M	10	2.65	0.10	2.23	3.01
	2024	F	9	3.68	0.72	0.20	6.18
		M	6	1.40	0.43	0.06	2.49
		U	7	0.12	0.03	0.05	0.27
Nema	2002	F	4	2.09	0.12	1.78	2.34
		M	0	-	-	-	-
	2007	F	0	-	-	-	-
		M	0	-	-	-	-
	2012	F	4	5.61	0.45	4.49	6.70
		M	5	3.39	0.15	2.93	3.80
	2018	F	11	4.75	0.31	2.26	6.01
		M	7	2.83	0.24	1.87	3.45

Lake	Year	Sex	Gonadosomatic Index				
			n	Mean	SE	Min	Max
Nema *(cont'd)*	2024	F	13	4.42	0.91	0.13	8.55
		M	9	2.41	0.47	0.04	3.78
Slipper	2002	F	1	1.06	-	1.06	1.06
		M	0	-	-	-	-
	2007	F	4	5.23	0.34	4.62	5.97
		M	1	3.68	-	3.68	3.68
	2012	F	4	4.43	0.57	2.89	5.60
		M	1	3.06	-	3.06	3.06
	2018	F	10	2.58	0.22	1.23	3.58
		M	13	2.23	0.13	1.36	2.79
	2024	F	6	2.33	0.55	0.60	3.70
		M	3	1.98	0.73	0.51	2.72
Cujo	2002	F	5	5.46	0.64	3.12	6.64
		M	0	-	-	-	-
		U	0	-	-	-	-
	2007	F	1	4.65	-	4.65	4.65
		M	2	2.93	0.09	2.84	3.02
	2012	F	6	5.78	0.64	4.49	8.88
		M	11	3.75	0.23	2.50	5.35
	2018	F	10	6.07	0.21	4.64	7.17
		M	9	3.42	0.23	2.40	4.74
	2024	F	8	4.99	1.09	0.12	7.70
		M	10	4.00	0.44	0.29	4.98
		U	4	0.08	0.03	0.04	0.17

Notes:
Gonadosomatic index is calculated as gonad weight/body weight x 100. Only fish with ripe gonads were considered.
Sex: F = female; M = male; U = unidentified
Dash (-) = not applicable; max = maximum; min = minimum; n = sample size; SE = standard error

Table F-13 Summary of Round Whitefish Liver Somatic Index Data for AEMP Lakes, 2002 to 2018

Lake	Year	Sex	Liver Somatic Index				
			n	Mean	SE	Min	Max
Nanuq	2002	F	6	0.86	0.13	0.42	1.40
		M	3	0.54	0.04	0.49	0.62
		U	1	0.98	-	0.98	0.98
	2007	F	1	1.25	-	1.25	1.25
		M	2	0.57	0.08	0.49	0.65
	2012	F	10	0.65	0.04	0.44	0.88
		M	8	0.67	0.06	0.42	0.93
	2018	F	12	0.91	0.08	0.44	1.23
		M	10	0.60	0.03	0.46	0.78
	2024	F	13	0.48	0.05	0.25	0.82
		M	6	0.51	0.05	0.39	0.65
		U	7	0.54	0.09	0.32	0.98
Counts	2002	F	7	0.85	0.07	0.48	1.05
		M	7	0.59	0.06	0.30	0.75
	2007	F	5	1.01	0.19	0.57	1.63
		M	15	0.69	0.07	0.38	1.40
	2012	F	11	1.20	0.06	0.82	1.46
		M	13	0.65	0.04	0.28	0.82
	2018	F	13	0.95	0.07	0.58	1.36
		M	11	0.56	0.03	0.36	0.74
	2024	F	13	0.99	0.08	0.42	1.37
		M	16	0.57	0.04	0.30	0.91
Kodiak	2002	F	6	0.78	0.11	0.38	1.16
		M	9	0.56	0.06	0.17	0.78
		U	1	1.12	-	1.12	1.12
	2007	F	11	1.02	0.08	0.56	1.52
		M	7	0.82	0.07	0.51	0.97
	2012	F	5	0.71	0.14	0.31	1.02
		M	17	0.68	0.05	0.34	1.14
	2018	F	6	1.02	0.12	0.72	1.40
		M	17	0.72	0.04	0.48	1.24

Lake	Year	Sex	Liver Somatic Index				
			n	Mean	SE	Min	Max
Kodiak *(cont'd)*	2024	F	8	0.79	0.14	0.15	1.15
		M	3	0.59	0.09	0.43	0.73
		U	11	0.59	0.09	0.27	1.26
Leslie	2007	F	7	1.27	0.08	1.02	1.53
		M	9	0.94	0.11	0.66	1.70
		U	3	1.37	0.22	0.98	1.72
	2012	F	11	0.75	0.09	0.14	1.15
		M	6	0.60	0.02	0.56	0.69
		U	1	0.61	-	0.61	0.61
	2018	F	7	0.97	0.14	0.54	1.54
		M	12	0.65	0.02	0.56	0.83
	2024	F	10	0.87	0.05	0.56	1.11
		M	12	0.61	0.08	0.24	1.30
Moose	2002	F	7	0.92	0.16	0.54	1.53
		M	7	0.80	0.09	0.45	1.10
		U	1	0.62	-	0.62	0.62
	2007	F	4	1.13	0.09	0.98	1.40
		M	6	0.59	0.13	0.22	0.94
	2012	F	11	4.27	1.23	0.07	9.14
		M	4	1.66	0.91	0.08	3.26
	2018	F	8	0.86	0.07	0.64	1.08
		M	12	0.61	0.03	0.44	0.76
	2024	F	9	0.70	0.07	0.50	1.11
		M	6	0.49	0.06	0.39	0.77
		U	7	0.51	0.06	0.27	0.76
Nema	2002	F	8	0.73	0.06	0.55	1.04
		M	10	0.62	0.03	0.51	0.78
	2007	F	11	1.14	0.04	0.97	1.33
		M	8	0.91	0.12	0.62	1.67
	2012	F	19	0.89	0.05	0.58	1.45
		M	15	0.84	0.04	0.64	1.31

Lake	Year	Sex	Liver Somatic Index				
			n	Mean	SE	Min	Max
Nema *(cont'd)*	2018	F	13	1.27	0.08	0.73	1.63
		M	7	0.79	0.06	0.60	1.01
	2024	F	13	0.99	0.09	0.47	1.44
		M	9	0.53	0.07	0.02	0.77
Slipper	2002	F	7	0.82	0.10	0.50	1.31
		M	10	0.47	0.07	0.10	0.71
	2007	F	15	1.05	0.22	0.04	3.82
		M	3	0.64	0.08	0.49	0.73
	2012	F	11	0.65	0.07	0.32	0.94
		M	12	0.68	0.16	0.32	2.44
	2018	F	17	0.84	0.05	0.50	1.29
		M	17	0.61	0.04	0.27	0.85
	2024	F	13	0.57	0.14	0.14	2.04
		M	7	0.53	0.18	0.01	1.41
		U	9	0.49	0.06	0.27	0.80
Cujo	2002	F	7	1.02	0.12	0.70	1.44
		M	10	0.62	0.04	0.37	0.78
		U	1	1.06	-	1.06	1.06
	2007	F	8	0.81	0.14	0.07	1.30
		M	7	1.55	0.61	0.40	3.92
	2012	F	8	0.80	0.07	0.51	1.19
		M	13	0.55	0.03	0.31	0.74
	2018	F	11	1.12	0.07	0.56	1.37
		M	9	0.53	0.02	0.42	0.67
	2024	F	7	1.23	0.13	0.71	1.56
		M	10	0.73	0.06	0.36	0.96
		U	5	0.60	0.13	0.14	0.88

Notes:
Liver somatic index is calculated as liver weight/body weight x 100.
Sex: F = female; M = male; U = unidentified
Dash (-) = not applicable; max = maximum; min = minimum; n = sample size; SE = standard error

Table F-14 Summary of Round Whitefish Diet Data for AEMP Lakes, 1997 to 2024

Lake	Year	Prey Items		
		n	Mean Number	Mean Mass (g)
Nanuq	1997	6	2250	1266
	2002	10	1088	1424
	2007	3	806	506
	2012	19	4634	249
	2018	20	2801	393
	2024	18	204	39
Counts	1997	17	857	1813
	2002	14	244	785
	2007	20	1208	1044
	2012	20	1485	675
	2018	20	273	158
	2024	20	967	337
Kodiak	1994	9	-	-
	1995	18	131	2408
	1996	6	470	3321
	1997	24	948	2978
	2002	16	247	1189
	2007	21	2170	913
	2012	20	2170	846
	2018	20	916	288
	2024	20	159	108
Leslie	2007	20	1129	1496
	2012	20	1997	500
	2018	21	240	223
	2024	20	984	136
Moose	1996	9	1238	374
	2002	15	463	1173
	2007	10	657	1778
	2012	20	1311	694
	2018	20	503	107
	2024	22	827	164

Lake	Year	Prey Items		
		n	Mean Number	Mean Mass (g)
Nema	1994	18	-	n/a
	2007	19	1077	1207
	2002	18	575	907
	2012	20	1730	999
	2018	20	1055	217
	2024	20	1501	272
Slipper	1995	9	743	3300
	1996	14	3157	2097
	2007	20	920	649
	2012	20	267	295
	2002	17	422	550
	2018	20	526	120
	2024	20	858	57
Cujo	2002	19	323	1053
	2007	20	1497	989
	2012	20	957	904
	2018	20	238	158
	2024	20	440	309

Notes:
Dash (-) = not applicable; n = sample size

Table F-15 Summary of Lake Trout DELT Data for AEMP Lakes, 2007 to 2024

Lakes	Year	Number of Fish Sampled			Occurrence (%)							
		Total	Live	Lethally	Deformity	Erosion	Lesion	Tumour	BS	Injury	Eye	Fungus
Nanuq	2007	22	0	22	0	0	0	0	0	0	0	0
	2012	9	9	0	0	67	11	0	0	0	22	0
	2018	23	23	0	0	57	0	0	0	4	0	0
	2024	28	28	0	4	0	0	0	0	4	0	0
Counts	2007	18	0	18	0	0	0	0	0	0	0	0
	2012	7	7	0	14	86	0	0	0	0	0	0
	2018	21	21	0	0	76	19	5	0	0	0	0
	2024	23	18	5	0	0	0	0	0	0	0	0
Vulture	2007	19	0	19	0	0	0	0	0	0	0	0
	2012	14	14	0	21	86	7	0	0	0	29	0
	2018	22	20	2	0	95	9	0	0	0	0	0
	2024	23	21	2	9	0	0	0	0	0	0	0
Kodiak	2007	17	0	17	0	0	0	0	0	0	0	0
	2012	12	11	1	0	75	0	0	0	0	0	8
	2018	20	20	0	0	80	0	0	0	5	0	0
	2024	22	22	0	0	0	0	0	0	5	0	0
Leslie	2007	27	0	27	0	0	0	1	0	0	0	0
	2012	13	12	1	0	69	0	0	0	0	8	0
	2018	30	29	1	3	100	10	0	0	3	3	0
	2024	33	33	0	0	0	0	0	0	0	0	0

Lakes	Year	Number of Fish Sampled			Occurrence (%)							
		Total	Live	Lethally	Deformity	Erosion	Lesion	Tumour	BS	Injury	Eye	Fungus
Moose	2007	15	0	15	0	0	0	0	0	7	0	0
	2012	7	7	0	0	100	0	0	0	0	14	0
	2018	28	28	0	0	79	0	0	0	0	0	0
	2024	22	22	0	0	0	0	0	0	0	0	0
Nema	2007	14	0	14	7	7	0	0	0	0	0	0
	2012	10	10	0	0	80	10	0	0	0	0	0
	2018	21	21	0	0	48	5	5	0	0	0	0
	2024	21	21	0	0	0	0	0	0	0	0	0
Slipper	2007	20	0	20	0	0	0	0	0	0	5	0
	2012	10	10	0	0	100	0	0	0	0	0	0
	2018	26	26	0	0	31	0	0	0	0	0	0
	2024	29	26	3	0	0	3	0	0	0	0	0
Cujo	2007	24	0	24	0	0	0	0	0	0	0	0
	2012	22	21	1	0	73	5	0	0	5	5	0
	2018	23	23	0	4	100	0	0	0	0	0	0
	2024	27	24	3	0	0	0	0	0	0	0	0

Notes:

Occurrences are presented as the percent of fish observed with a particular abnormality.

BS = black spot disease (*Neascus*)

Table F-16 Summary of Round Whitefish DELT Data for AEMP Lakes, 2007 to 2024

Lakes	Year	Number of Fish Sampled			Occurrence (%)							
		Total	Live	Lethally	Deformity	Erosion	Lesion	Tumour	BS	Injury	Eye	Fungus
Nanuq	2007	4	0	4	0	0	0	0	0	0	0	0
	2012	19	0	19	0	79	5	0	0	0	0	0
	2018	27	1	26	4	59	7	0	0	0	0	0
	2024	78	51	27	0	0	0	0	0	1	0	0
Counts	2007	32	0	32	0	0	0	0	0	0	3	0
	2012	25	0	25	0	28	0	0	0	0	0	0
	2018	40	6	34	0	78	13	0	0	0	0	0
	2024	30	1	29	0	0	0	0	0	0	0	0
Kodiak	2007	44	0	44	0	0	0	0	0	0	0	0
	2012	22	0	22	0	100	9	0	0	0	0	0
	2018	24	1	23	0	92	4	0	0	0	4	0
	2024	24	0	24	0	0	8	0	0	0	0	0
Leslie	2007	24	0	24	0	0	0	0	0	0	0	0
	2012	23	2	21	0	74	0	0	0	4	0	0
	2018	33	6	27	0	100	0	0	0	0	0	0
	2024	22	0	22	0	0	0	0	0	0	0	0
Moose	2007	10	0	10	0	0	0	0	0	0	0	0
	2012	20	0	20	0	100	0	0	0	0	0	0
	2018	22	1	21	0	82	9	0	0	0	5	0
	2024	28	6	22	0	0	0	0	0	0	0	0

Lakes	Year	Number of Fish Sampled			Occurrence (%)							
		Total	Live	Lethally	Deformity	Erosion	Lesion	Tumour	BS	Injury	Eye	Fungus
Nema	2007	19	0	19	0	0	0	0	0	0	0	0
	2012	48	14	34	0	52	4	0	2	4	0	0
	2018	71	50	21	0	37	1	0	0	0	0	0
	2024	38	14	24	0	0	8	0	0	0	0	0
Slipper	2007	28	0	28	0	0	0	0	0	0	0	0
	2012	24	1	23	4	8	4	4	8	8	0	0
	2018	81	41	22	0	15	9	0	0	0	0	0
	2024	73	37	36	0	0	0	0	0	1	0	0
Cujo	2007	29	0	29	0	0	0	0	0	0	0	0
	2012	21	0	21	0	81	5	5	0	0	0	0
	2018	22	0	22	0	95	14	5	0	0	0	0
	2024	24	0	24	0	0	0	0	0	0	0	0

Notes:

Occurrences are presented as the percent of fish observed with a particular abnormality.

BS = black spot disease (*Neascus*)

Table F-17 Summary of Round Whitefish EROD Data for AEMP Lakes, 1997 to 2024

Lake	Year	Specific EROD Activity (pmol/mg/min)					EROD Induction (Specific EROD Activity/External Negative Control)					EROD Induction (Natural Log)				
		n	Mean	SE	Min	Max	n	Mean	SE	Min	Max	n	Mean	SE	Min	Max
Nanuq	2012	13	6.00	0.91	2.02	12.05	13	0.93	0.14	0.31	1.87	13	-0.17	0.16	-1.04	0.65
	2015	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-
	2018	18	1.55	0.21	0.42	3.44	18	0.17	0.02	0.06	0.30	18	-1.65	0.10	-2.33	-1.08
	2024	22	3.14	0.30	0.63	5.98	22	1.13	0.14	0.21	2.94	22	-0.03	0.14	-1.54	1.08
Counts	2012	10	8.42	1.45	2.94	19.1	10	1.31	0.23	0.46	2.97	10	0.19	0.15	-0.70	1.10
	2015	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-
	2018	20	1.79	0.30	0.32	5.56	20	0.19	0.03	0.05	0.49	20	-1.57	0.10	-2.48	-0.64
	2024	22	1.24	0.16	0.04	2.76	22	0.42	0.06	0.01	1.30	22	-0.96	0.15	-2.68	0.26
Kodiak	2012	12	32.55	7.94	9.52	103.71	12	5.06	1.23	1.48	16.12	12	1.38	0.21	0.42	2.78
	2015	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-
	2018	20	2.44	0.27	0.27	5.05	20	0.24	0.03	0.04	0.64	20	-1.37	0.11	-2.58	-0.39
	2024	22	1.95	0.38	0.42	6.20	22	0.74	0.16	0.08	2.75	22	-0.83	0.21	-2.55	1.01
Leslie	2012	17	63.26	10.19	5.65	135.84	17	9.83	1.58	0.88	21.12	17	1.95	0.24	-0.09	3.05
	2015	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-
	2018	19	2.44	0.38	1.04	7.97	19	0.25	0.02	0.11	0.55	19	-1.29	0.08	-1.89	-0.53
	2024	22	1.52	0.30	0.22	5.04	22	0.56	0.14	0.06	2.68	22	-1.00	0.23	-2.74	0.99
Moose	2012	12	38.00	8.30	2.90	92.86	12	5.91	1.29	0.45	14.43	12	1.36	0.32	-0.72	2.67
	2015	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-
	2018	20	2.18	0.38	0	6.71	20	0.23	0.03	0.00	0.59	20	-1.48	0.15	-3.27	-0.47
	2024	22	3.49	0.55	0.56	9.14	22	1.17	0.21	0.21	3.37	22	-0.15	0.19	-1.55	1.22

Lake	Year	Specific EROD Activity (pmol/mg/min)					EROD Induction (Specific EROD Activity/External Negative Control)					EROD Induction (Natural Log)				
		n	Mean	SE	Min	Max	n	Mean	SE	Min	Max	n	Mean	SE	Min	Max
Nema	2012	21	40.13	5.54	8.36	88.95	21	3.94	0.54	0.82	8.74	21	1.16	0.16	-0.15	2.17
	2015	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-
	2018	19	2.46	0.35	0.80	6.42	19	0.26	0.03	0.10	0.54	19	-1.29	0.09	-2.00	-0.55
	2024	22	1.46	0.25	0.52	4.95	22	0.48	0.08	0.14	1.74	22	-0.94	0.15	-1.95	0.55
Slipper	2012	17	17.19	3.28	2.33	51.57	17	2.67	0.51	0.36	8.02	17	0.66	0.22	-0.92	2.09
	2015	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-
	2018	20	2.07	0.28	0.78	5.60	20	0.24	0.03	0.06	0.53	20	-1.39	0.11	-2.36	-0.57
	2024	22	2.46	0.51	0.00	8.43	22	0.94	0.24	0.00	4.48	22	-0.70	0.26	-2.35	1.50
Cujo	2012	15	6.07	1.10	0.95	13.44	15	0.94	0.17	0.15	2.09	15	-0.28	0.21	-1.70	0.75
	2015	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-
	2018	20	1.84	0.28	0.04	4.95	20	0.21	0.03	0.01	0.48	20	-1.60	0.15	-3.19	-0.66
	2024	22	1.87	0.44	0.21	7.79	22	0.70	0.16	0.03	3.02	22	-0.75	0.25	-3.52	1.11

Notes:

A constant was added to induction values prior to natural log transformation.

Dash (-) = not applicable; EROD = Ethoxyresorufin-*O*-deethylase; max = maximum value; min = minimum value; n = sample size; SE = standard error

Table F-18 Summary of Lake Trout Muscle Arsenic Data for AEMP Lakes, 1994 to 2024

Lake	Year	Arsenic (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Nanuq	1997	10	100	-	-	-	-	378.5	813.4	11.4
	2002	9	22	0.010	0.001	0.007	0.020	441.0	1069.4	16.4
	2007	14	21	0.013	0.001	0.006	0.026	475.7	1194.0	-
	2012	9	0	0.047	0.014	0.010	0.138	479.2	1359.8	9.3
	2018	20	70	-	-	-	-	484.2	1317.3	8.8
	2024	21	5	0.029	0.008	0.002	0.144	496.9	1679.6	8.3
Counts	1997	11	100	-	-	-	-	439.8	954.5	16.0
	2002	17	47	0.011	0.001	0.004	0.020	435.2	1042.6	15.0
	2007	9	22	0.014	0.003	0.005	0.032	466.0	1210.7	-
	2012	7	0	0.024	0.004	0.014	0.039	390.3	646.4	9.3
	2018	20	75	-	-	-	-	394.2	910.1	7.2
	2024	23	4	0.029	0.004	0.006	0.072	404.8	1005.6	7.6
Vulture	1997	22	100	-	-	-	-	302.5	397.6	10.4
	2002	17	0	0.025	0.003	0.010	0.050	432.0	1043.6	14.2
	2007	17	6	0.026	0.003	0.008	0.056	460.4	1300.8	-
	2012	14	0	0.047	0.005	0.015	0.080	466.1	1241.4	8.6
	2018	21	52	0.009	0.001	0.003	0.023	452.7	1137.3	7.6
	2024	18	0	0.022	0.004	0.007	0.072	476.3	1331.8	8.3

Lake	Year	Arsenic (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Kodiak	2002	11	45	0.011	0.003	0.002	0.030	464.2	1329.7	17.0
	2007	6	33	0.014	0.005	0.003	0.037	479.7	1302.3	-
	2012	12	100	-	-	-	-	460.3	1139.1	9.0
	2018	20	60	0.009	0.001	0.004	0.025	459.5	1104.4	8.3
	2024	20	0	0.019	0.005	0.006	0.102	537.3	1722.6	10.4
Leslie	1994	12	0	0.025	0.000	0.025	0.025	281.3	319.2	9.4
	2007	10	20	0.015	0.001	0.009	0.021	496.8	1383.5	12.3
	2012	13	0	0.050	0.010	0.009	0.115	467.5	1179.0	7.1
	2018	20	80	-	-	-	-	467.8	1034.9	8.9
	2024	19	0	0.052	0.033	0.005	0.640	489.4	1270.0	10.6
Moose	2002	10	70	-	-	-	-	403.4	773.2	12.8
	2007	7	14	0.013	0.001	0.008	0.018	456.9	1042.6	-
	2012	7	0	0.051	0.007	0.034	0.093	451.4	1079.4	7.4
	2018	20	55	0.010	0.001	0.005	0.022	489.8	1329.5	6.7
	2024	20	15	0.012	0.001	0.005	0.028	448.5	1042.8	8.2
Nema	2002	10	20	0.015	0.003	0.004	0.030	407.5	719.0	14.9
	2007	6	0	0.028	0.006	0.011	0.052	496.3	1563.7	-
	2012	10	100	-	-	-	-	540.8	1700.7	10.8
	2018	20	45	0.010	0.001	0.005	0.027	485.2	1292.8	9.2
	2024	20	5	0.014	0.002	0.003	0.039	522.5	1567.6	9.2

Lake	Year	Arsenic (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Slipper	1995	5	100	-	-	-	-	464.8	1464.0	17.0
	1997	9	100	-	-	-	-	387.3	690.9	13.3
	2002	12	8	0.020	0.003	0.005	0.040	449.0	1139.6	13.9
	2007	15	0	0.024	0.003	0.010	0.051	494.2	1357.6	-
	2012	10	10	0.052	0.023	0.010	0.248	425.7	819.6	7.6
	2018	20	60	0.026	0.017	0.000	0.338	446.6	1224.7	8.0
	2024	23	9	0.019	0.003	0.004	0.048	441.3	1101.4	8.1
Cujo	1999	6	100	-	-	-	-	403.2	795.0	19.0
	2002	7	14	0.018	0.004	0.005	0.040	419.7	841.4	18.0
	2007	4	0	0.030	0.007	0.014	0.043	410.5	692.5	-
	2012	22	45	0.021	0.002	0.009	0.034	454.1	1130.6	10.3
	2018	20	40	0.012	0.001	0.006	0.023	456.4	1145.3	9.2
	2024	22	0	0.022	0.002	0.008	0.052	506.1	2263.6	10.8

Notes:

Summary statistics not calculated when more than 60% of the values were below detection limit.

BDL = below detection limit; dash (-) = not applicable; g = grams; max = maximum value; min = minimum value; mm = millimeters; n = sample size; SE = standard error; wwt = wet weight

Table F-19 Summary of Round Whitefish Muscle Arsenic Data for AEMP Lakes, 1994 to 2024

Lake	Year	Arsenic (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Nanuq	1997	6	83	-	-	-	-	266.7	221.8	6.4
	2002	10	0	0.024	0.003	0.010	0.040	309.3	320.0	7.3
	2007	3	0	0.021	0.005	0.014	0.031	381.3	579.7	-
	2012	20	0	0.043	0.002	0.024	0.061	254.7	174.0	5.4
	2018	20	0	0.036	0.005	0.016	0.111	335.8	433.2	6.9
	2024	20	0	0.022	0.002	0.009	0.035	237.7	151.7	4.4
Counts	1997	11	91	-	-	-	-	321.4	352.0	8.3
	2002	14	21	0.016	0.003	0.005	0.050	316.9	369.7	8.7
	2007	20	5	0.029	0.002	0.012	0.048	331.1	427.3	-
	2012	25	0	0.021	0.001	0.008	0.036	329.9	440.0	10.5
	2018	20	0	0.020	0.003	0.008	0.050	318.8	362.1	10.1
	2024	28	4	0.020	0.003	0.004	0.069	352.5	515.7	10.1
Kodiak	1995	9	100	-	-	-	-	349.1	490.0	-
	1997	26	100	-	-	-	-	266.3	266.2	4.8
	2002	16	13	0.017	0.003	0.004	0.060	324.6	394.8	6.8
	2007	21	0	0.029	0.003	0.011	0.052	282.5	269.5	13.0
	2012	22	0	0.020	0.003	0.007	0.047	352.5	497.0	12.5
	2018	20	0	0.017	0.002	0.005	0.034	376.5	591.6	14.9
	2024	20	5	0.017	0.002	0.005	0.032	294.1	298.3	8.2

Lake	Year	Arsenic (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Leslie	1994	5	0	0.025	0.000	0.025	0.025	419.0	833.0	13.6
	2007	20	5	0.032	0.003	0.009	0.056	362.8	618.5	10.3
	2012	21	0	0.079	0.009	0.015	0.151	312.9	394.6	7.6
	2018	20	0	0.030	0.004	0.010	0.067	366.9	565.4	8.4
	2024	20	0	0.013	0.001	0.006	0.024	403.7	743.5	9.9
Moose	2002	15	0	0.027	0.004	0.010	0.060	304.1	297.3	6.6
	2007	10	10	0.017	0.002	0.009	0.023	352.5	489.1	-
	2012	20	0	0.038	0.004	0.011	0.070	303.2	403.4	9.1
	2018	20	0	0.014	0.002	0.006	0.036	371.8	583.8	8.7
	2024	20	0	0.018	0.002	0.007	0.033	304.2	351.3	6.9
Nema	2002	18	0	0.032	0.004	0.010	0.090	290.1	269.6	7.3
	2007	19	0	0.040	0.003	0.022	0.074	343.6	474.6	-
	2012	34	0	0.037	0.003	0.012	0.066	308.6	354.5	9.9
	2018	20	0	0.037	0.003	0.020	0.071	377.7	658.4	9.5
	2024	20	0	0.019	0.002	0.006	0.036	380.0	646.0	11.8
Slipper	1995	5	100	-	-	-	-	334.2	454.0	-
	2002	17	0	0.029	0.002	0.010	0.050	278.1	232.4	6.5
	2007	20	0	0.048	0.003	0.026	0.076	285.6	294.1	-
	2012	23	0	0.042	0.007	0.011	0.151	265.3	201.2	5.3
	2018	20	0	0.031	0.003	0.011	0.056	304.2	286.1	7.4
	2024	20	0	0.026	0.003	0.008	0.051	272.2	226.8	5.4

Lake	Year	Arsenic (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Cujo	1999	20	70	-	-	-	-	346.4	507.2	15.0
	2002	18	6	0.041	0.006	0.009	0.100	323.6	409.8	9.7
	2007	20	0	0.038	0.003	0.015	0.065	337.0	508.7	-
	2012	21	0	0.017	0.002	0.006	0.038	344.4	501.0	11.3
	2018	20	0	0.014	0.004	0.004	0.075	357.4	519.9	10.2
	2024	20	5	0.019	0.004	0.002	0.062	308.1	402.8	9.7

Notes:

Summary statistics not calculated when more than 60% of the values were below detection limit.

BDL = below detection limit; dash (-) = not applicable; g = grams; max = maximum value; min = minimum value; mm = millimeters; n = sample size; SE = standard error; wwt = wet weight

Table F-20 Summary of Round Whitefish Liver Arsenic Data for AEMP Lakes, 1994 to 2024

Lake	Year	Arsenic (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Nanuq	1997	6	0	0.142	0.023	0.050	0.200	266.7	221.8	6.4
	2002	10	0	0.121	0.017	0.060	0.230	309.3	320.0	7.3
	2007	2	0	0.060	0.027	0.033	0.087	384.5	601.5	-
	2012	19	0	0.115	0.009	0.061	0.187	254.8	175.2	5.4
	2018	20	0	0.067	0.008	0.029	0.160	335.8	433.2	6.9
	2024	19	0	0.061	0.006	0.023	0.128	238.5	154.3	4.5
Counts	1997	11	82	-	-	-	-	321.4	352.0	8.3
	2002	14	21	0.044	0.007	0.020	0.120	316.9	369.7	8.7
	2007	20	0	0.084	0.007	0.029	0.158	331.1	427.3	-
	2012	25	0	0.033	0.003	0.019	0.088	329.9	440.0	10.5
	2018	19	0	0.060	0.013	0.016	0.228	320.8	368.1	10.3
	2024	28	0	0.073	0.008	0.020	0.167	352.5	515.7	10.1
Kodiak	1995	7	71	-	-	-	-	359.4	542.9	-
	1997	26	85	-	-	-	-	266.3	266.3	4.8
	2002	16	56	0.036	0.009	0.007	0.120	324.6	394.8	6.8
	2007	18	0	0.046	0.004	0.017	0.072	296.8	307.8	13.0
	2012	22	0	0.028	0.004	0.012	0.090	352.5	497.0	12.5
	2018	20	0	0.036	0.005	0.013	0.092	368.2	569.6	14.0
	2024	20	0	0.028	0.004	0.006	0.066	294.1	298.3	8.2

Lake	Year	Arsenic (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Leslie	1994	5	0	0.025	0.000	0.025	0.025	419.0	833.0	13.6
	2007	19	0	0.054	0.007	0.023	0.131	360.5	608.1	10.3
	2012	21	0	0.128	0.037	0.020	0.854	312.9	394.6	7.6
	2018	20	0	0.051	0.005	0.015	0.096	366.9	565.4	8.4
	2024	20	0	0.033	0.003	0.009	0.059	403.7	743.5	9.9
Moose	2002	15	27	0.051	0.007	0.020	0.110	304.1	297.3	6.6
	2007	10	0	0.059	0.010	0.029	0.112	352.5	489.1	-
	2012	20	0	0.053	0.006	0.015	0.105	303.2	403.4	9.1
	2018	20	0	0.023	0.003	0.010	0.062	371.8	583.8	8.7
	2024	20	0	0.030	0.004	0.012	0.080	304.2	351.3	6.9
Nema	2002	18	33	0.055	0.006	0.025	0.120	290.1	269.6	7.3
	2007	19	0	0.065	0.006	0.023	0.141	343.6	474.6	-
	2012	34	0	0.063	0.005	0.022	0.135	308.6	354.5	9.9
	2018	20	0	0.058	0.005	0.027	0.097	377.7	658.4	9.5
	2024	20	0	0.040	0.004	0.013	0.069	380.0	646.0	11.8
Slipper	1995	5	0	0.136	0.032	0.080	0.258	334.2	454.0	-
	1996	16	0	0.336	0.064	0.090	1.170	309.2	333.3	7.3
	2002	17	18	0.076	0.007	0.050	0.150	278.1	232.4	6.5
	2007	20	0	0.078	0.007	0.040	0.173	285.6	294.1	-
	2012	23	0	0.102	0.015	0.013	0.347	265.3	201.2	5.3
	2018	20	0	0.049	0.003	0.014	0.075	304.2	286.1	7.4
	2024	19	0	0.070	0.007	0.016	0.130	275.8	234.8	5.5

Lake	Year	Arsenic (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Cujo	1999	20	30	0.074	0.008	0.027	0.150	346.4	507.2	15.0
	2002	18	6	0.069	0.008	0.020	0.150	323.6	409.8	9.7
	2007	16	0	0.054	0.004	0.031	0.093	361.3	586.5	-
	2012	21	0	0.039	0.005	0.015	0.099	344.4	501.0	11.3
	2018	20	0	0.029	0.004	0.011	0.101	357.4	519.9	10.2
	2024	20	0	0.035	0.005	0.010	0.104	308.1	402.8	9.7

Notes:

Summary statistics not calculated when more than 60% of the values were below detection limit.

BDL = below detection limit; dash (-) = not applicable; g = grams; max = maximum value; min = minimum value; mm = millimeters; n = sample size; SE = standard error; wwt = wet weight

Table F-21 Summary of Lake Trout Muscle Cadmium Data for AEMP Lakes, 1994 to 2024

Lake	Year	Cadmium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Nanuq	1997	10	100	-	-	-	-	378.5	813.4	11.4
	2002	9	100	-	-	-	-	441.0	1069.4	16.4
	2007	14	100	-	-	-	-	475.7	1194.0	-
	2012	9	100	-	-	-	-	479.2	1359.8	9.3
	2018	20	100	-	-	-	-	484.2	1317.3	8.8
	2024	21	67	-	-	-	-	496.9	1679.6	8.3
Counts	1997	11	100	-	-	-	-	439.8	954.5	16.0
	2002	17	100	-	-	-	-	435.2	1042.6	15.0
	2007	9	100	-	-	-	-	466.0	1210.7	-
	2012	7	100	-	-	-	-	390.3	646.4	9.3
	2018	20	80	-	-	-	-	394.2	910.1	7.2
	2024	23	61	-	-	-	-	404.8	1005.6	7.6
Vulture	1997	22	100	-	-	-	-	302.5	397.6	10.4
	2002	17	100	-	-	-	-	432.0	1043.6	14.2
	2007	17	94	-	-	-	-	460.4	1300.8	-
	2012	14	100	-	-	-	-	466.1	1241.4	8.6
	2018	21	81	-	-	-	-	452.7	1137.3	7.6
	2024	18	100	-	-	-	-	476.3	1331.8	8.3

Lake	Year	Cadmium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Kodiak	2002	11	100	-	-	-	-	464.2	1329.7	17.0
	2007	6	100	-	-	-	-	479.7	1302.3	-
	2012	12	83	-	-	-	-	460.3	1139.1	9.0
	2018	20	95	-	-	-	-	459.5	1104.4	8.3
	2024	20	90	-	-	-	-	537.3	1722.6	10.4
Leslie	1994	12	0	0.1	0	0.1	0.1	281.3	319.2	9.4
	2007	10	100	-	-	-	-	496.8	1383.5	12.3
	2012	13	85	-	-	-	-	467.5	1179.0	7.1
	2018	20	90	-	-	-	-	467.8	1034.9	8.9
	2024	19	53	0.004	0.003	0	0.058	489.4	1270.0	10.6
Moose	2002	10	100	-	-	-	-	403.4	773.2	12.8
	2007	7	100	-	-	-	-	456.9	1042.6	-
	2012	7	71	-	-	-	-	451.4	1079.4	7.4
	2018	20	70	-	-	-	-	489.8	1329.5	6.7
	2024	20	85	-	-	-	-	448.5	1042.8	8.2
Nema	2002	10	100	-	-	-	-	407.5	719.0	14.9
	2007	6	100	-	-	-	-	496.3	1563.7	-
	2012	10	10	0.012	0.004	0.002	0.051	540.8	1700.7	10.8
	2018	20	95	-	-	-	-	485.2	1292.8	9.2
	2024	20	95	-	-	-	-	522.5	1567.6	9.2

Lake	Year	Cadmium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Slipper	1995	5	100	-	-	-	-	464.8	1464.0	17.0
	1997	9	100	-	-	-	-	387.3	690.9	13.3
	2002	12	100	-	-	-	-	449.0	1139.6	13.9
	2007	15	100	-	-	-	-	494.2	1357.6	-
	2012	10	80	-	-	-	-	425.7	819.6	7.6
	2018	20	95	-	-	-	-	446.6	1224.7	8.0
	2024	23	96	-	-	-	-	441.3	1101.4	8.1
Cujo	1999	6	100	-	-	-	-	403.2	795.0	19.0
	2002	7	100	-	-	-	-	419.7	841.4	18.0
	2007	4	100	-	-	-	-	410.5	692.5	-
	2012	22	81	-	-	-	-	454.1	1130.6	10.3
	2018	20	100	-	-	-	-	456.4	1145.3	9.2
	2024	22	55	0.002	0	0	0.007	506.1	2263.6	10.8

Notes:

Summary statistics not calculated when more than 60% of the values were below detection limit.

BDL = below detection limit; dash (-) = not applicable; g = grams; max = maximum value; min = minimum value; mm = millimeters; n = sample size; SE = standard error; wwt = wet weight

Table F-22 Summary of Round Whitefish Muscle Cadmium Data for AEMP Lakes, 1994 to 2024

Lake	Year	Cadmium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Nanuq	1997	6	100	-	-	-	-	266.7	221.8	6.4
	2002	10	100	-	-	-	-	309.3	320.0	7.3
	2007	3	100	-	-	-	-	381.3	579.7	-
	2012	20	95	-	-	-	-	254.7	174.0	5.4
	2018	20	85	-	-	-	-	335.8	433.2	6.9
	2024	20	85	-	-	-	-	237.7	151.7	4.4
Counts	1997	11	100	-	-	-	-	321.4	352.0	8.3
	2002	14	100	-	-	-	-	316.9	369.7	8.7
	2007	20	100	-	-	-	-	331.1	427.3	-
	2012	25	96	-	-	-	-	329.9	440.0	10.5
	2018	20	90	-	-	-	-	318.8	362.1	10.1
	2024	28	50	0.001	0.000	0.000	0.004	352.5	515.7	10.1
Kodiak	1995	9	100	-	-	-	-	349.1	490.0	-
	1997	26	100	-	-	-	-	266.3	266.2	4.8
	2002	16	100	-	-	-	-	324.6	394.8	6.8
	2007	21	100	-	-	-	-	282.5	269.5	13.0
	2012	22	100	-	-	-	-	352.5	497.0	12.5
	2018	20	100	-	-	-	-	376.5	591.6	14.9
	2024	20	85	-	-	-	-	294.1	298.3	8.2

Lake	Year	Cadmium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Leslie	1994	5	0	0.100	0.000	0.100	0.100	419.0	833.0	13.6
	2007	20	90	-	-	-	-	362.8	618.5	10.3
	2012	21	90	-	-	-	-	312.9	394.6	7.6
	2018	20	95	-	-	-	-	366.9	565.4	8.4
	2024	20	85	-	-	-	-	403.7	743.5	9.9
Moose	2002	15	100	-	-	-	-	304.1	297.3	6.6
	2007	10	100	-	-	-	-	352.5	489.1	-
	2012	20	90	-	-	-	-	303.2	403.4	9.1
	2018	20	100	-	-	-	-	371.8	583.8	8.7
	2024	20	75	-	-	-	-	304.2	351.3	6.9
Nema	2002	18	100	-	-	-	-	290.1	269.6	7.3
	2007	19	95	-	-	-	-	343.6	474.6	-
	2012	34	97	-	-	-	-	308.6	354.5	9.9
	2018	20	100	-	-	-	-	377.7	658.4	9.5
	2024	20	75	-	-	-	-	380.0	646.0	11.8
Slipper	1995	5	100	-	-	-	-	334.2	454.0	-
	2002	17	100	-	-	-	-	278.1	232.4	6.5
	2007	20	100	-	-	-	-	285.6	294.1	-
	2012	23	96	-	-	-	-	265.3	201.2	5.3
	2018	20	100	-	-	-	-	304.2	286.1	7.4
	2024	20	100	-	-	-	-	272.2	226.8	5.4

Lake	Year	Cadmium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Cujo	1999	20	100	-	-	-	-	346.4	507.2	15.0
	2002	18	100	-	-	-	-	323.6	409.8	9.7
	2007	20	100	-	-	-	-	337.0	508.7	-
	2012	21	95	-	-	-	-	344.4	501.0	11.3
	2018	20	100	-	-	-	-	357.4	519.9	10.2
	2024	20	95	-	-	-	-	308.1	402.8	9.7

Notes:

Summary statistics not calculated when more than 60% of the values were below detection limit.

BDL = below detection limit; dash (-) = not applicable; g = grams; max = maximum value; min = minimum value; mm = millimeters; n = sample size; SE = standard error; wwt = wet weight

Table F-23 Summary of Round Whitefish Liver Cadmium Data for AEMP Lakes, 1994 to 2024

Lake	Year	Cadmium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Nanuq	1997	6	17	0.072	0.027	0.011	0.200	266.7	221.8	6.4
	2002	10	0	0.062	0.009	0.040	0.120	309.3	320.0	7.3
	2007	2	0	0.094	0.035	0.059	0.129	384.5	601.5	-
	2012	19	0	0.034	0.002	0.016	0.050	254.8	175.2	5.4
	2018	20	0	0.055	0.007	0.022	0.174	335.8	433.2	6.9
	2024	19	0	0.049	0.004	0.011	0.095	238.5	154.3	4.5
Counts	1997	11	0	0.081	0.013	0.040	0.190	321.4	352.0	8.3
	2002	14	0	0.098	0.025	0.040	0.410	316.9	369.7	8.7
	2007	20	0	0.071	0.009	0.022	0.170	331.1	427.3	-
	2012	25	0	0.053	0.007	0.018	0.177	329.9	440.0	10.5
	2018	19	0	0.073	0.013	0.021	0.205	320.8	368.1	10.3
	2024	28	0	0.067	0.007	0.015	0.165	352.5	515.7	10.1
Kodiak	1995	7	86	-	-	-	-	359.4	542.9	-
	1997	26	23	0.030	0.003	0.012	0.070	266.3	266.3	4.8
	2002	16	13	0.089	0.011	0.037	0.190	324.6	394.8	6.8
	2007	18	0	0.055	0.007	0.016	0.118	296.8	307.8	13.0
	2012	22	0	0.054	0.011	0.017	0.246	352.5	497.0	12.5
	2018	20	0	0.078	0.008	0.032	0.157	368.2	569.6	14.0
	2024	20	0	0.049	0.011	0.007	0.164	294.1	298.3	8.2

Lake	Year	Cadmium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Leslie	1994	5	0	0.220	0.058	0.100	0.400	419.0	833.0	13.6
	2007	19	0	0.118	0.010	0.035	0.199	360.5	608.1	10.3
	2012	21	0	0.078	0.014	0.025	0.275	312.9	394.6	7.6
	2018	20	0	0.102	0.011	0.035	0.218	366.9	565.4	8.4
	2024	20	0	0.129	0.022	0.019	0.306	403.7	743.5	9.9
Moose	2002	15	0	0.082	0.007	0.040	0.140	304.1	297.3	6.6
	2007	10	0	0.097	0.016	0.047	0.218	352.5	489.1	-
	2012	20	0	0.054	0.007	0.017	0.126	303.2	403.4	9.1
	2018	20	0	0.098	0.008	0.037	0.178	371.8	583.8	8.7
	2024	20	0	0.047	0.011	0.010	0.165	304.2	351.3	6.9
Nema	2002	18	0	0.072	0.007	0.020	0.120	290.1	269.6	7.3
	2007	19	0	0.068	0.006	0.018	0.113	343.6	474.6	-
	2012	34	0	0.038	0.006	0.008	0.150	308.6	354.5	9.9
	2018	20	0	0.037	0.006	0.012	0.126	377.7	658.4	9.5
	2024	20	0	0.060	0.006	0.016	0.108	380.0	646.0	11.8
Slipper	1995	5	100	-	-	-	-	334.2	454.0	-
	1996	16	6	0.261	0.047	0.081	0.820	309.2	333.3	7.3
	2002	17	0	0.083	0.008	0.030	0.160	278.1	232.4	6.5
	2007	20	0	0.044	0.003	0.019	0.082	285.6	294.1	-
	2012	23	0	0.045	0.005	0.009	0.138	265.3	201.2	5.3
	2018	20	0	0.042	0.004	0.021	0.079	304.2	286.1	7.4
	2024	19	0	0.030	0.002	0.012	0.047	275.8	234.8	5.5

Lake	Year	Cadmium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Cujo	1999	20	0	0.088	0.011	0.020	0.210	346.4	507.2	15.0
	2002	18	0	0.069	0.011	0.030	0.160	323.6	409.8	9.7
	2007	16	0	0.060	0.008	0.016	0.113	361.3	586.5	-
	2012	21	0	0.069	0.006	0.034	0.145	344.4	501.0	11.3
	2018	20	0	0.052	0.005	0.022	0.110	357.4	519.9	10.2
	2024	20	0	0.039	0.006	0.006	0.091	308.1	402.8	9.7

Notes:

Summary statistics not calculated when more than 60% of the values were below detection limit.

BDL = below detection limit; dash (-) = not applicable; g = grams; max = maximum value; min = minimum value; mm = millimeters; n = sample size; SE = standard error; wwt = wet weight

Table F-24 Summary of Lake Trout Muscle Chromium Data for AEMP Lakes, 1994 to 2024

Lake	Year	Chromium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Nanuq	1997	10	100	-	-	-	-	378.5	813.4	11.4
	2002	9	100	-	-	-	-	441.0	1069.4	16.4
	2007	14	100	-	-	-	-	475.7	1194.0	-
	2012	9	11	0.216	0.07	0.037	0.608	479.2	1359.8	9.3
	2018	20	0	1.866	0.305	0.324	5.94	484.2	1317.3	8.8
	2024	21	14	0.211	0.09	0.007	1.87	496.9	1679.6	8.3
Counts	1997	11	100	-	-	-	-	439.8	954.5	16.0
	2002	17	100	-	-	-	-	435.2	1042.6	15.0
	2007	9	44	0.104	0.015	0.051	0.2	466.0	1210.7	-
	2012	7	0	0.094	0.035	0.018	0.295	390.3	646.4	9.3
	2018	20	0	1.473	0.221	0.378	4.03	394.2	910.1	7.2
	2024	23	17	0.097	0.016	0.013	0.31	404.8	1005.6	7.6
Vulture	1997	22	100	-	-	-	-	302.5	397.6	10.4
	2002	17	100	-	-	-	-	432.0	1043.6	14.2
	2007	17	59	0.151	0.037	0.017	0.59	460.4	1300.8	-
	2012	14	0	0.408	0.323	0.012	4.59	466.1	1241.4	8.6
	2018	21	5	0.832	0.135	0.075	2.58	452.7	1137.3	7.6
	2024	18	28	0.164	0.101	0.003	1.86	476.3	1331.8	8.3

Lake	Year	Chromium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Kodiak	2002	11	100	-	-	-	-	464.2	1329.7	17.0
	2007	6	17	0.206	0.034	0.104	0.35	479.7	1302.3	-
	2012	12	0	0.933	0.265	0.191	2.63	460.3	1139.1	9.0
	2018	20	0	1.429	0.363	0.241	6.89	459.5	1104.4	8.3
	2024	20	30	0.049	0.01	0.006	0.155	537.3	1722.6	10.4
Leslie	1994	12	0	0.25	0	0.25	0.25	281.3	319.2	9.4
	2007	10	90	-	-	-	-	496.8	1383.5	12.3
	2012	13	0	0.15	0.057	0.024	0.77	467.5	1179.0	7.1
	2018	20	0	1.5	0.317	0.213	6.32	467.8	1034.9	8.9
	2024	19	47	0.037	0.014	0.002	0.27	489.4	1270.0	10.6
Moose	2002	10	100	-	-	-	-	403.4	773.2	12.8
	2007	7	100	-	-	-	-	456.9	1042.6	-
	2012	7	0	0.083	0.02	0.047	0.178	451.4	1079.4	7.4
	2018	20	0	1.39	0.256	0.327	5.18	489.8	1329.5	6.7
	2024	20	25	0.053	0.012	0.006	0.231	448.5	1042.8	8.2
Nema	2002	10	100	-	-	-	-	407.5	719.0	14.9
	2007	6	67	-	-	-	-	496.3	1563.7	-
	2012	10	0	0.153	0.026	0.05	0.312	540.8	1700.7	10.8
	2018	20	0	1.433	0.208	0.32	3.59	485.2	1292.8	9.2
	2024	20	15	0.08	0.02	0.008	0.315	522.5	1567.6	9.2

Lake	Year	Chromium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Slipper	1995	5	100	-	-	-	-	464.8	1464.0	17.0
	1997	9	100	-	-	-	-	387.3	690.9	13.3
	2002	12	100	-	-	-	-	449.0	1139.6	13.9
	2007	15	100	-	-	-	-	494.2	1357.6	-
	2012	10	0	0.043	0.01	0.012	0.117	425.7	819.6	7.6
	2018	20	0	0.799	0.219	0.145	4.19	446.6	1224.7	8.0
	2024	23	13	0.189	0.062	0.005	1.31	441.3	1101.4	8.1
Cujo	1999	6	100	-	-	-	-	403.2	795.0	19.0
	2002	7	100	-	-	-	-	419.7	841.4	18.0
	2007	4	50	0.133	0.007	0.117	0.15	410.5	692.5	-
	2012	22	5	0.602	0.345	0.006	7.64	454.1	1130.6	10.3
	2018	20	0	0.74	0.121	0.198	2.02	456.4	1145.3	9.2
	2024	22	23	0.151	0.064	0.004	1.35	506.1	2263.6	10.8

Notes:

Summary statistics not calculated when more than 60% of the values were below detection limit.

BDL = below detection limit; dash (-) = not applicable; g = grams; max = maximum value; min = minimum value; mm = millimeters; n = sample size; SE = standard error; wwt = wet weight

Table F-25 Summary of Round Whitefish Muscle Chromium Data for AEMP Lakes, 1994 to 2024

Lake	Year	Chromium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Nanuq	1997	6	100	-	-	-	-	266.7	221.8	6.4
	2002	10	100	-	-	-	-	309.3	320.0	7.3
	2007	3	67	-	-	-	-	381.3	579.7	-
	2012	20	15	0.029	0.007	0.004	0.127	254.7	174.0	5.4
	2018	20	50	0.110	0.038	0.000	0.651	335.8	433.2	6.9
	2024	20	95	-	-	-	-	237.7	151.7	4.4
Counts	1997	11	100	-	-	-	-	321.4	352.0	8.3
	2002	14	100	-	-	-	-	316.9	369.7	8.7
	2007	20	30	0.133	0.022	0.042	0.520	331.1	427.3	-
	2012	25	64	-	-	-	-	329.9	440.0	10.5
	2018	20	80	-	-	-	-	318.8	362.1	10.1
	2024	28	100	-	-	-	-	352.5	515.7	10.1
Kodiak	1995	9	100	-	-	-	-	349.1	490.0	-
	1997	26	100	-	-	-	-	266.3	266.2	4.8
	2002	16	100	-	-	-	-	324.6	394.8	6.8
	2007	21	10	0.195	0.009	0.126	0.290	282.5	269.5	13.0
	2012	22	41	0.016	0.003	0.003	0.058	352.5	497.0	12.5
	2018	20	65	-	-	-	-	376.5	591.6	14.9
	2024	20	95	-	-	-	-	294.1	298.3	8.2

Lake	Year	Chromium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Leslie	1994	5	0	0.250	0.000	0.250	0.250	419.0	833.0	13.6
	2007	20	100	-	-	-	-	362.8	618.5	10.3
	2012	21	67	-	-	-	-	312.9	394.6	7.6
	2018	20	70	-	-	-	-	366.9	565.4	8.4
	2024	20	100	-	-	-	-	403.7	743.5	9.9
Moose	2002	15	100	-	-	-	-	304.1	297.3	6.6
	2007	10	100	-	-	-	-	352.5	489.1	-
	2012	20	75	-	-	-	-	303.2	403.4	9.1
	2018	20	85	-	-	-	-	371.8	583.8	8.7
	2024	20	95	-	-	-	-	304.2	351.3	6.9
Nema	2002	18	100	-	-	-	-	290.1	269.6	7.3
	2007	19	79	-	-	-	-	343.6	474.6	-
	2012	34	59	0.011	0.001	0.003	0.030	308.6	354.5	9.9
	2018	20	75	-	-	-	-	377.7	658.4	9.5
	2024	20	100	-	-	-	-	380.0	646.0	11.8
Slipper	1995	5	100	-	-	-	-	334.2	454.0	-
	2002	17	100	-	-	-	-	278.1	232.4	6.5
	2007	20	90	-	-	-	-	285.6	294.1	-
	2012	23	52	0.013	0.002	0.003	0.037	265.3	201.2	5.3
	2018	20	60	0.019	0.008	0.000	0.155	304.2	286.1	7.4
	2024	20	90	-	-	-	-	272.2	226.8	5.4

Lake	Year	Chromium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Cujo	1999	20	35	0.868	0.097	0.299	1.700	346.4	507.2	15.0
	2002	18	100	-	-	-	-	323.6	409.8	9.7
	2007	20	40	0.114	0.008	0.059	0.190	337.0	508.7	-
	2012	21	19	0.092	0.064	0.001	1.320	344.4	501.0	11.3
	2018	20	80	-	-	-	-	357.4	519.9	10.2
	2024	20	100	-	-	-	-	308.1	402.8	9.7

Notes:

Summary statistics not calculated when more than 60% of the values were below detection limit.

BDL = below detection limit; dash (-) = not applicable; g = grams; max = maximum value; min = minimum value; mm = millimeters; n = sample size; SE = standard error; wwt = wet weight

Table F-26 Summary of Round Whitefish Liver Chromium Data for AEMP Lakes, 1994 to 2024

Lake	Year	Chromium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Nanuq	1997	6	100	-	-	-	-	266.7	221.8	6.4
	2002	10	100	-	-	-	-	309.3	320.0	7.3
	2007	2	100	-	-	-	-	384.5	601.5	-
	2012	19	5	0.080	0.012	0.020	0.176	254.8	175.2	5.4
	2018	20	90	-	-	-	-	335.8	433.2	6.9
	2024	19	58	0.027	0.008	0.001	0.139	238.5	154.3	4.5
Counts	1997	11	100	-	-	-	-	321.4	352.0	8.3
	2002	14	100	-	-	-	-	316.9	369.7	8.7
	2007	20	95	-	-	-	-	331.1	427.3	-
	2012	25	0	0.023	0.001	0.011	0.041	329.9	440.0	10.5
	2018	19	95	-	-	-	-	320.8	368.1	10.3
	2024	28	86	-	-	-	-	352.5	515.7	10.1
Kodiak	1995	7	86	-	-	-	-	359.4	542.9	-
	1997	26	100	-	-	-	-	266.3	266.3	4.8
	2002	16	100	-	-	-	-	324.6	394.8	6.8
	2007	18	0	0.277	0.018	0.140	0.460	296.8	307.8	13.0
	2012	22	0	0.050	0.016	0.013	0.370	352.5	497.0	12.5
	2018	20	75	-	-	-	-	368.2	569.6	14.0
	2024	20	70	-	-	-	-	294.1	298.3	8.2

Lake	Year	Chromium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Leslie	1994	5	0	0.250	0.000	0.250	0.250	419.0	833.0	13.6
	2007	19	84	-	-	-	-	360.5	608.1	10.3
	2012	21	14	0.084	0.035	0.008	0.772	312.9	394.6	7.6
	2018	20	100	-	-	-	-	366.9	565.4	8.4
	2024	20	95	-	-	-	-	403.7	743.5	9.9
Moose	2002	15	100	-	-	-	-	304.1	297.3	6.6
	2007	10	30	0.213	0.033	0.096	0.470	352.5	489.1	-
	2012	20	40	0.055	0.011	0.007	0.161	303.2	403.4	9.1
	2018	20	95	-	-	-	-	371.8	583.8	8.7
	2024	20	95	-	-	-	-	304.2	351.3	6.9
Nema	2002	18	100	-	-	-	-	290.1	269.6	7.3
	2007	19	26	0.133	0.017	0.045	0.350	343.6	474.6	-
	2012	34	0	0.064	0.009	0.020	0.286	308.6	354.5	9.9
	2018	20	95	-	-	-	-	377.7	658.4	9.5
	2024	20	95	-	-	-	-	380.0	646.0	11.8
Slipper	1995	5	100	-	-	-	-	334.2	454.0	-
	1996	16	100	-	-	-	-	309.2	333.3	7.3
	2002	17	100	-	-	-	-	278.1	232.4	6.5
	2007	20	60	0.120	0.014	0.047	0.270	285.6	294.1	-
	2012	23	0	0.172	0.034	0.024	0.727	265.3	201.2	5.3
	2018	20	95	-	-	-	-	304.2	286.1	7.4
	2024	19	68	-	-	-	-	275.8	234.8	5.5

Lake	Year	Chromium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Cujo	1999	20	30	0.946	0.247	0.112	4.900	346.4	507.2	15.0
	2002	18	100	-	-	-	-	323.6	409.8	9.7
	2007	16	81	-	-	-	-	361.3	586.5	-
	2012	21	24	0.045	0.011	0.020	0.269	344.4	501.0	11.3
	2018	20	100	-	-	-	-	357.4	519.9	10.2
	2024	20	80	-	-	-	-	308.1	402.8	9.7

Notes:

Summary statistics not calculated when more than 60% of the values were below detection limit.

BDL = below detection limit; dash (-) = not applicable; g = grams; max = maximum value; min = minimum value; mm = millimeters; n = sample size; SE = standard error; wwt = wet weight

Table F-27 Summary of Lake Trout Muscle Lead Data for AEMP Lakes, 1994 to 2024

Lake	Year	Lead (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Nanuq	1997	10	90	-	-	-	-	378.5	813.4	11.4
	2002	9	67	-	-	-	-	441.0	1069.4	16.4
	2007	14	43	0.037	0.01	0.003	0.105	475.7	1194.0	-
	2012	9	0	0.056	0.021	0.01	0.173	479.2	1359.8	9.3
	2018	20	35	0.007	0.002	0	0.031	484.2	1317.3	8.8
	2024	21	33	0.093	0.065	0	1.39	496.9	1679.6	8.3
Counts	1997	11	100	-	-	-	-	439.8	954.5	16.0
	2002	17	88	-	-	-	-	435.2	1042.6	15.0
	2007	9	44	0.042	0.007	0.017	0.076	466.0	1210.7	-
	2012	7	0	0.028	0.006	0.015	0.061	390.3	646.4	9.3
	2018	20	5	0.006	0.001	0.002	0.015	394.2	910.1	7.2
	2024	23	9	0.012	0.003	0.001	0.047	404.8	1005.6	7.6
Vulture	1997	22	95	-	-	-	-	302.5	397.6	10.4
	2002	17	24	0.033	0.004	0.013	0.06	432.0	1043.6	14.2
	2007	17	12	0.065	0.014	0.009	0.225	460.4	1300.8	-
	2012	14	0	0.074	0.016	0.022	0.248	466.1	1241.4	8.6
	2018	21	29	0.005	0.001	0.001	0.021	452.7	1137.3	7.6
	2024	18	11	0.018	0.006	0	0.082	476.3	1331.8	8.3

Lake	Year	Lead (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Kodiak	2002	11	45	0.97	0.943	0	10.4	464.2	1329.7	17.0
	2007	6	50	0.021	0.007	0.006	0.049	479.7	1302.3	-
	2012	12	8	0.06	0.013	0.009	0.13	460.3	1139.1	9.0
	2018	20	10	0.017	0.005	0.001	0.072	459.5	1104.4	8.3
	2024	20	25	0.007	0.002	0	0.03	537.3	1722.6	10.4
Leslie	1994	12	0	0.01	0	0.01	0.01	281.3	319.2	9.4
	2007	10	70	-	-	-	-	496.8	1383.5	12.3
	2012	13	31	0.041	0.018	0.001	0.238	467.5	1179.0	7.1
	2018	20	30	0.004	0.001	0.001	0.014	467.8	1034.9	8.9
	2024	19	0	0.045	0.029	0.002	0.558	489.4	1270.0	10.6
Moose	2002	10	10	0.038	0.006	0.013	0.07	403.4	773.2	12.8
	2007	7	100	-	-	-	-	456.9	1042.6	-
	2012	7	14	0.021	0.005	0.005	0.045	451.4	1079.4	7.4
	2018	20	70	-	-	-	-	489.8	1329.5	6.7
	2024	20	75	-	-	-	-	448.5	1042.8	8.2
Nema	2002	10	100	-	-	-	-	407.5	719.0	14.9
	2007	6	50	0.02	0.006	0.007	0.044	496.3	1563.7	-
	2012	10	0	0.062	0.01	0.017	0.115	540.8	1700.7	10.8
	2018	20	10	0.004	0	0.002	0.007	485.2	1292.8	9.2
	2024	20	40	0.007	0.003	0	0.048	522.5	1567.6	9.2

Lake	Year	Lead (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Slipper	1995	5	100	-	-	-	-	464.8	1464.0	17.0
	1997	9	100	-	-	-	-	387.3	690.9	13.3
	2002	12	50	0.034	0.007	0.008	0.09	449.0	1139.6	13.9
	2007	15	67	-	-	-	-	494.2	1357.6	-
	2012	10	0	0.031	0.005	0.01	0.052	425.7	819.6	7.6
	2018	20	35	0.004	0.001	0.001	0.017	446.6	1224.7	8.0
	2024	23	26	2.389	2.341	0	53.9	441.3	1101.4	8.1
Cujo	1999	6	100	-	-	-	-	403.2	795.0	19.0
	2002	7	100	-	-	-	-	419.7	841.4	18.0
	2007	4	0	0.12	0.052	0.024	0.269	410.5	692.5	-
	2012	22	5	0.029	0.005	0.005	0.099	454.1	1130.6	10.3
	2018	20	15	0.005	0.001	0.002	0.016	456.4	1145.3	9.2
	2024	22	36	0.014	0.003	0.001	0.072	506.1	2263.6	10.8

Notes:

Summary statistics not calculated when more than 60% of the values were below detection limit.

BDL = below detection limit; dash (-) = not applicable; g = grams; max = maximum value; min = minimum value; mm = millimeters; n = sample size; SE = standard error; wwt = wet weight

Table F-28 Summary of Round Whitefish Muscle Lead Data for AEMP Lakes, 1994 to 2024

Lake	Year	Lead (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Nanuq	1997	6	83	-	-	-	-	266.7	221.8	6.4
	2002	10	50	0.028	0.007	0.006	0.070	309.3	320.0	7.3
	2007	3	33	0.047	0.030	0.004	0.106	381.3	579.7	-
	2012	20	30	0.007	0.001	0.002	0.017	254.7	174.0	5.4
	2018	20	35	0.012	0.002	0.002	0.028	335.8	433.2	6.9
	2024	20	80	-	-	-	-	237.7	151.7	4.4
Counts	1997	11	82	-	-	-	-	321.4	352.0	8.3
	2002	14	57	0.019	0.002	0.009	0.030	316.9	369.7	8.7
	2007	20	15	0.068	0.013	0.012	0.264	331.1	427.3	-
	2012	25	16	0.009	0.001	0.002	0.023	329.9	440.0	10.5
	2018	20	30	0.005	0.001	0.000	0.019	318.8	362.1	10.1
	2024	28	39	0.003	0.001	0.000	0.015	352.5	515.7	10.1
Kodiak	1995	9	89	-	-	-	-	349.1	490.0	-
	1997	26	100	-	-	-	-	266.3	266.2	4.8
	2002	16	31	0.039	0.009	0.006	0.140	324.6	394.8	6.8
	2007	21	90	-	-	-	-	282.5	269.5	13.0
	2012	22	68	-	-	-	-	352.5	497.0	12.5
	2018	20	55	0.003	0.000	0.001	0.006	376.5	591.6	14.9
	2024	20	35	0.004	0.001	0.000	0.023	294.1	298.3	8.2

Lake	Year	Lead (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Leslie	1994	5	0	0.010	0.000	0.010	0.010	419.0	833.0	13.6
	2007	20	55	0.024	0.003	0.009	0.050	362.8	618.5	10.3
	2012	21	57	0.005	0.001	0.001	0.019	312.9	394.6	7.6
	2018	20	15	0.004	0.001	0.001	0.011	366.9	565.4	8.4
	2024	20	65	-	-	-	-	403.7	743.5	9.9
Moose	2002	15	60	0.019	0.004	0.003	0.060	304.1	297.3	6.6
	2007	10	100	-	-	-	-	352.5	489.1	-
	2012	20	80	-	-	-	-	303.2	403.4	9.1
	2018	20	35	0.003	0.000	0.001	0.008	371.8	583.8	8.7
	2024	20	70	-	-	-	-	304.2	351.3	6.9
Nema	2002	18	78	-	-	-	-	290.1	269.6	7.3
	2007	19	100	-	-	-	-	343.6	474.6	-
	2012	34	29	0.007	0.001	0.001	0.037	308.6	354.5	9.9
	2018	20	75	-	-	-	-	377.7	658.4	9.5
	2024	20	90	-	-	-	-	380.0	646.0	11.8
Slipper	1995	5	100	-	-	-	-	334.2	454.0	-
	2002	17	18	0.048	0.010	0.010	0.190	278.1	232.4	6.5
	2007	20	45	0.028	0.002	0.012	0.045	285.6	294.1	-
	2012	23	0	0.029	0.004	0.009	0.083	265.3	201.2	5.3
	2018	20	55	0.002	0.000	0.000	0.008	304.2	286.1	7.4
	2024	20	50	0.002	0.000	0.000	0.010	272.2	226.8	5.4

Lake	Year	Lead (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Cujo	1999	20	100	-	-	-	-	346.4	507.2	15.0
	2002	18	67	-	-	-	-	323.6	409.8	9.7
	2007	20	80	-	-	-	-	337.0	508.7	-
	2012	21	38	0.009	0.002	0.001	0.035	344.4	501.0	11.3
	2018	20	90	-	-	-	-	357.4	519.9	10.2
	2024	20	70	-	-	-	-	308.1	402.8	9.7

Notes:

Summary statistics not calculated when more than 60% of the values were below detection limit.

BDL = below detection limit; dash (-) = not applicable; g = grams; max = maximum value; min = minimum value; mm = millimeters; n = sample size; SE = standard error; wwt = wet weight

Table F-29 Summary of Round Whitefish Liver Lead Data for AEMP Lakes, 1994 to 2024

Lake	Year	Lead (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Nanuq	1997	6	100	-	-	-	-	266.7	221.8	6.4
	2002	10	60	0.061	0.028	0.007	0.300	309.3	320.0	7.3
	2007	2	50	0.056	0.000	0.056	0.056	384.5	601.5	-
	2012	19	5	0.028	0.006	0.003	0.077	254.8	175.2	5.4
	2018	20	20	0.011	0.003	0.000	0.044	335.8	433.2	6.9
	2024	19	11	0.007	0.003	0.000	0.067	238.5	154.3	4.5
Counts	1997	11	100	-	-	-	-	321.4	352.0	8.3
	2002	14	93	-	-	-	-	316.9	369.7	8.7
	2007	20	20	0.048	0.008	0.010	0.153	331.1	427.3	-
	2012	25	16	0.010	0.002	0.003	0.040	329.9	440.0	10.5
	2018	19	0	0.008	0.002	0.001	0.038	320.8	368.1	10.3
	2024	28	11	0.008	0.004	0.000	0.122	352.5	515.7	10.1
Kodiak	1995	7	86	-	-	-	-	359.4	542.9	-
	1997	26	92	-	-	-	-	266.3	266.3	4.8
	2002	16	88	-	-	-	-	324.6	394.8	6.8
	2007	18	28	0.027	0.002	0.014	0.044	296.8	307.8	13.0
	2012	22	32	0.005	0.000	0.002	0.011	352.5	497.0	12.5
	2018	20	0	0.003	0.000	0.002	0.008	368.2	569.6	14.0
	2024	20	10	0.007	0.002	0.001	0.030	294.1	298.3	8.2

Lake	Year	Lead (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Leslie	1994	5	0	0.032	0.014	0.010	0.080	419.0	833.0	13.6
	2007	19	89	-	-	-	-	360.5	608.1	10.3
	2012	21	24	0.012	0.003	0.002	0.063	312.9	394.6	7.6
	2018	20	0	0.005	0.001	0.002	0.015	366.9	565.4	8.4
	2024	20	15	0.003	0.001	0.001	0.014	403.7	743.5	9.9
Moose	2002	15	87	-	-	-	-	304.1	297.3	6.6
	2007	10	60	0.024	0.002	0.015	0.034	352.5	489.1	-
	2012	20	35	0.009	0.003	0.001	0.044	303.2	403.4	9.1
	2018	20	0	0.004	0.001	0.002	0.015	371.8	583.8	8.7
	2024	20	10	0.004	0.002	0.001	0.037	304.2	351.3	6.9
Nema	2002	18	89	-	-	-	-	290.1	269.6	7.3
	2007	19	95	-	-	-	-	343.6	474.6	-
	2012	34	15	0.015	0.003	0.001	0.072	308.6	354.5	9.9
	2018	20	5	0.003	0.001	0.001	0.011	377.7	658.4	9.5
	2024	20	55	0.001	0.000	0.001	0.003	380.0	646.0	11.8
Slipper	1995	5	100	-	-	-	-	334.2	454.0	-
	1996	16	38	1.109	0.390	0.028	5.000	309.2	333.3	7.3
	2002	17	82	-	-	-	-	278.1	232.4	6.5
	2007	20	80	-	-	-	-	285.6	294.1	-
	2012	23	0	0.098	0.020	0.004	0.343	265.3	201.2	5.3
	2018	20	5	0.004	0.000	0.001	0.008	304.2	286.1	7.4
	2024	19	16	0.005	0.002	0.000	0.032	275.8	234.8	5.5

Lake	Year	Lead (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Cujo	1999	20	95	-	-	-	-	346.4	507.2	15.0
	2002	18	100	-	-	-	-	323.6	409.8	9.7
	2007	16	88	-	-	-	-	361.3	586.5	-
	2012	21	33	0.015	0.005	0.000	0.087	344.4	501.0	11.3
	2018	20	35	0.002	0.000	0.001	0.004	357.4	519.9	10.2
	2024	20	20	0.004	0.001	0.000	0.023	308.1	402.8	9.7

Notes:

Summary statistics not calculated when more than 60% of the values were below detection limit.

BDL = below detection limit; dash (-) = not applicable; g = grams; max = maximum value; min = minimum value; mm = millimeters; n = sample size; SE = standard error; wwt = wet weight

Table F-30 Summary of Lake Trout Muscle Mercury Data for AEMP Lakes, 1994 to 2024

Lake	Year	Mercury (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Nanuq	1997	10	0	0.088	0.017	0.048	0.192	378.5	813.4	11.4
	2002	9	0	0.117	0.030	0.035	0.239	441.0	1069.4	16.4
	2007	14	0	0.129	0.008	0.067	0.175	475.7	1194.0	-
	2012	9	11	0.069	0.020	0.014	0.196	479.2	1359.8	9.3
	2018	20	0	0.164	0.018	0.058	0.388	484.2	1317.3	8.8
	2024	21	0	0.273	0.045	0.010	0.717	496.9	1679.6	8.3
Counts	1997	11	0	0.145	0.026	0.059	0.312	439.8	954.5	16.0
	2002	17	0	0.092	0.015	0.020	0.216	435.2	1042.6	15.0
	2007	9	0	0.103	0.015	0.053	0.198	466.0	1210.7	-
	2012	7	0	0.066	0.020	0.020	0.171	390.3	646.4	9.3
	2018	20	0	0.128	0.019	0.038	0.294	394.2	910.1	7.2
	2024	23	0	0.143	0.026	0.010	0.590	404.8	1005.6	7.6
Vulture	1997	22	0	0.066	0.010	0.023	0.224	302.5	397.6	10.4
	2002	17	0	0.069	0.013	0.017	0.186	432.0	1043.6	14.2
	2007	17	0	0.084	0.022	0.018	0.396	460.4	1300.8	-
	2012	14	0	0.056	0.013	0.019	0.204	466.1	1241.4	8.6
	2018	21	0	0.145	0.022	0.033	0.358	452.7	1137.3	7.6
	2024	18	0	0.157	0.025	0.033	0.426	476.3	1331.8	8.3

Lake	Year	Mercury (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Kodiak	2002	11	0	0.242	0.023	0.127	0.400	464.2	1329.7	17.0
	2007	6	0	0.410	0.164	0.144	1.220	479.7	1302.3	-
	2012	12	0	0.164	0.031	0.071	0.392	460.3	1139.1	9.0
	2018	20	0	0.518	0.065	0.219	1.600	459.5	1104.4	8.3
	2024	20	0	0.616	0.039	0.403	1.190	537.3	1722.6	10.4
Leslie	1994	12	0	0.126	0.033	0.044	0.479	281.3	319.2	9.4
	2007	10	0	0.185	0.027	0.077	0.380	496.8	1383.5	12.3
	2012	13	0	0.077	0.014	0.013	0.213	467.5	1179.0	7.1
	2018	20	0	0.253	0.022	0.071	0.525	467.8	1034.9	8.9
	2024	19	0	0.494	0.017	0.300	0.635	489.4	1270.0	10.6
Moose	2002	10	0	0.335	0.147	0.116	1.640	403.4	773.2	12.8
	2007	7	0	0.188	0.022	0.113	0.301	456.9	1042.6	-
	2012	7	0	0.130	0.022	0.082	0.244	451.4	1079.4	7.4
	2018	20	0	0.398	0.059	0.204	1.470	489.8	1329.5	6.7
	2024	20	0	0.490	0.039	0.238	0.810	448.5	1042.8	8.2
Nema	2002	10	0	0.261	0.052	0.124	0.660	407.5	719.0	14.9
	2007	6	0	0.379	0.081	0.210	0.732	496.3	1563.7	-
	2012	10	0	0.292	0.039	0.142	0.545	540.8	1700.7	10.8
	2018	20	0	0.351	0.036	0.037	0.614	485.2	1292.8	9.2
	2024	20	0	0.643	0.090	0.196	1.890	522.5	1567.6	9.2

Lake	Year	Mercury (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Slipper	1995	5	0	0.096	0.010	0.075	0.132	464.8	1464.0	17.0
	1997	9	0	0.362	0.081	0.081	0.845	387.3	690.9	13.3
	2002	12	0	0.402	0.079	0.157	1.060	449.0	1139.6	13.9
	2007	15	0	0.310	0.042	0.110	0.689	494.2	1357.6	-
	2012	10	0	0.192	0.030	0.025	0.352	425.7	819.6	7.6
	2018	20	0	0.458	0.043	0.211	0.815	446.6	1224.7	8.0
	2024	23	0	0.529	0.107	0.032	2.360	441.3	1101.4	8.1
Cujo	1999	6	0	0.194	0.016	0.149	0.251	403.2	795.0	19.0
	2002	7	0	0.168	0.023	0.072	0.214	419.7	841.4	18.0
	2007	4	0	0.196	0.059	0.124	0.371	410.5	692.5	-
	2012	22	0	0.160	0.021	0.032	0.380	454.1	1130.6	10.3
	2018	20	0	0.271	0.030	0.070	0.638	456.4	1145.3	9.2
	2024	22	0	0.636	0.186	0.050	3.780	506.1	2263.6	10.8

Notes:

Summary statistics not calculated when more than 60% of the values were below detection limit.

BDL = below detection limit; dash (-) = not applicable; g = grams; max = maximum value; min = minimum value; mm = millimeters; n = sample size; SE = standard error; wwt = wet weight

Table F-31 Summary of Round Whitefish Muscle Mercury Data for AEMP Lakes, 1994 to 2024

Lake	Year	Mercury (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Nanuq	1997	6	83	-	-	-	-	266.7	221.8	6.4
	2002	10	50	0.028	0.007	0.006	0.070	309.3	320.0	7.3
	2007	3	33	0.047	0.030	0.004	0.106	381.3	579.7	-
	2012	20	30	0.007	0.001	0.002	0.017	254.7	174.0	5.4
	2018	20	35	0.012	0.002	0.002	0.028	335.8	433.2	6.9
	2024	20	80	-	-	-	-	237.7	151.7	4.4
Counts	1997	11	82	-	-	-	-	321.4	352.0	8.3
	2002	14	57	0.019	0.002	0.009	0.030	316.9	369.7	8.7
	2007	20	15	0.068	0.013	0.012	0.264	331.1	427.3	-
	2012	25	16	0.009	0.001	0.002	0.023	329.9	440.0	10.5
	2018	20	30	0.005	0.001	0.000	0.019	318.8	362.1	10.1
	2024	28	39	0.003	0.001	0.000	0.015	352.5	515.7	10.1
Kodiak	1995	9	89	-	-	-	-	349.1	490.0	-
	1997	26	100	-	-	-	-	266.3	266.2	4.8
	2002	16	31	0.039	0.009	0.006	0.140	324.6	394.8	6.8
	2007	21	90	-	-	-	-	282.5	269.5	13.0
	2012	22	68	-	-	-	-	352.5	497.0	12.5
	2018	20	55	0.003	0.000	0.001	0.006	376.5	591.6	14.9
	2024	20	35	0.004	0.001	0.000	0.023	294.1	298.3	8.2

Lake	Year	Mercury (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Leslie	1994	5	0	0.010	0.000	0.010	0.010	419.0	833.0	13.6
	2007	20	55	0.024	0.003	0.009	0.050	362.8	618.5	10.3
	2012	21	57	0.005	0.001	0.001	0.019	312.9	394.6	7.6
	2018	20	15	0.004	0.001	0.001	0.011	366.9	565.4	8.4
	2024	20	65	-	-	-	-	403.7	743.5	9.9
Moose	2002	15	60	0.019	0.004	0.003	0.060	304.1	297.3	6.6
	2007	10	100	-	-	-	-	352.5	489.1	-
	2012	20	80	-	-	-	-	303.2	403.4	9.1
	2018	20	35	0.003	0.000	0.001	0.008	371.8	583.8	8.7
	2024	20	70	-	-	-	-	304.2	351.3	6.9
Nema	2002	18	78	-	-	-	-	290.1	269.6	7.3
	2007	19	100	-	-	-	-	343.6	474.6	-
	2012	34	29	0.007	0.001	0.001	0.037	308.6	354.5	9.9
	2018	20	75	-	-	-	-	377.7	658.4	9.5
	2024	20	90	-	-	-	-	380.0	646.0	11.8
Slipper	1995	5	100	-	-	-	-	334.2	454.0	-
	2002	17	18	0.048	0.010	0.010	0.190	278.1	232.4	6.5
	2007	20	45	0.028	0.002	0.012	0.045	285.6	294.1	-
	2012	23	0	0.029	0.004	0.009	0.083	265.3	201.2	5.3
	2018	20	55	0.002	0.000	0.000	0.008	304.2	286.1	7.4
	2024	20	50	0.002	0.000	0.000	0.010	272.2	226.8	5.4

Lake	Year	Mercury (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Cujo	1999	20	100	-	-	-	-	346.4	507.2	15.0
	2002	18	67	-	-	-	-	323.6	409.8	9.7
	2007	20	80	-	-	-	-	337.0	508.7	-
	2012	21	38	0.009	0.002	0.001	0.035	344.4	501.0	11.3
	2018	20	90	-	-	-	-	357.4	519.9	10.2
	2024	20	70	-	-	-	-	308.1	402.8	9.7

Notes:

Summary statistics not calculated when more than 60% of the values were below detection limit.

BDL = below detection limit; dash (-) = not applicable; g = grams; max = maximum value; min = minimum value; mm = millimeters; n = sample size; SE = standard error; wwt = wet weight

Table F-32 Summary of Round Whitefish Liver Mercury Data for AEMP Lakes, 1994 to 2024

Lake	Year	Mercury (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Nanuq	1997	6	0	0.066	0.015	0.017	0.129	266.7	221.8	6.4
	2002	10	0	0.041	0.003	0.021	0.058	309.3	320.0	7.3
	2007	2	0	0.058	0.009	0.049	0.067	384.5	601.5	-
	2012	19	0	0.044	0.003	0.026	0.066	254.8	175.2	5.4
	2018	20	0	0.077	0.003	0.062	0.106	335.8	433.2	6.9
	2024	19	0	0.057	0.003	0.021	0.082	238.5	154.3	4.5
Counts	1997	11	0	0.055	0.004	0.040	0.091	321.4	352.0	8.3
	2002	14	0	0.071	0.006	0.043	0.118	316.9	369.7	8.7
	2007	20	0	0.075	0.006	0.042	0.157	331.1	427.3	-
	2012	25	0	0.054	0.003	0.028	0.099	329.9	440.0	10.5
	2018	19	0	0.073	0.008	0.045	0.187	320.8	368.1	10.3
	2024	28	0	0.090	0.004	0.056	0.154	352.5	515.7	10.1
Kodiak	1995	7	0	0.131	0.019	0.071	0.225	359.4	542.9	-
	1997	26	0	0.094	0.006	0.053	0.168	266.3	266.3	4.8
	2002	16	0	0.108	0.010	0.078	0.242	324.6	394.8	6.8
	2007	18	0	0.159	0.008	0.109	0.231	296.8	307.8	13.0
	2012	22	0	0.326	0.017	0.156	0.475	352.5	497.0	12.5
	2018	20	0	0.426	0.047	0.163	0.830	368.2	569.6	14.0
	2024	20	0	0.310	0.041	0.060	0.654	294.1	298.3	8.2

Lake	Year	Mercury (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Leslie	1994	5	0	0.103	0.017	0.046	0.140	419.0	833.0	13.6
	2007	19	0	0.081	0.005	0.054	0.122	360.5	608.1	10.3
	2012	21	0	0.082	0.007	0.050	0.180	312.9	394.6	7.6
	2018	20	0	0.150	0.008	0.094	0.227	366.9	565.4	8.4
	2024	20	0	0.253	0.012	0.173	0.330	403.7	743.5	9.9
Moose	2002	15	0	0.084	0.004	0.067	0.117	304.1	297.3	6.6
	2007	10	0	0.142	0.010	0.086	0.205	352.5	489.1	-
	2012	20	0	0.084	0.011	0.012	0.201	303.2	403.4	9.1
	2018	20	0	0.305	0.021	0.149	0.508	371.8	583.8	8.7
	2024	20	0	0.362	0.040	0.114	0.680	304.2	351.3	6.9
Nema	2002	18	0	0.140	0.013	0.025	0.246	290.1	269.6	7.3
	2007	19	0	0.215	0.010	0.151	0.291	343.6	474.6	-
	2012	34	0	0.279	0.016	0.134	0.516	308.6	354.5	9.9
	2018	20	0	0.258	0.022	0.140	0.539	377.7	658.4	9.5
	2024	20	0	0.375	0.034	0.225	0.848	380.0	646.0	11.8
Slipper	1995	5	0	0.198	0.038	0.105	0.322	334.2	454.0	-
	1996	16	0	0.772	0.122	0.345	2.400	309.2	333.3	7.3
	2002	17	0	0.218	0.013	0.118	0.316	278.1	232.4	6.5
	2007	20	0	0.187	0.010	0.103	0.256	285.6	294.1	-
	2012	23	0	0.299	0.050	0.044	1.340	265.3	201.2	5.3
	2018	20	0	0.411	0.060	0.111	1.290	304.2	286.1	7.4
	2024	19	0	0.261	0.020	0.139	0.434	275.8	234.8	5.5

Lake	Year	Mercury (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Cujo	1999	20	0	0.147	0.008	0.105	0.247	346.4	507.2	15.0
	2002	18	0	0.084	0.006	0.050	0.126	323.6	409.8	9.7
	2007	16	0	0.233	0.026	0.003	0.379	361.3	586.5	-
	2012	21	0	0.175	0.018	0.077	0.380	344.4	501.0	11.3
	2018	20	0	0.175	0.015	0.071	0.352	357.4	519.9	10.2
	2024	20	0	0.226	0.032	0.055	0.549	308.1	402.8	9.7

Notes:

Summary statistics not calculated when more than 60% of the values were below detection limit.

BDL = below detection limit; dash (-) = not applicable; g = grams; max = maximum value; min = minimum value; mm = millimeters; n = sample size; SE = standard error; wwt = wet weight

Table F-33 Summary of Lake Trout Muscle Selenium Data for AEMP Lakes, 1994 to 2024

Lake	Year	Selenium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Nanuq	1997	10	0	0.340	0.016	0.300	0.400	378.5	813.4	11.4
	2002	9	0	0.367	0.017	0.300	0.400	441.0	1069.4	16.4
	2007	14	0	0.419	0.014	0.330	0.500	475.7	1194.0	-
	2012	9	0	0.353	0.028	0.270	0.535	479.2	1359.8	9.3
	2018	20	0	0.311	0.012	0.222	0.416	484.2	1317.3	8.8
	2024	21	0	0.322	0.020	0.029	0.492	496.9	1679.6	8.3
Counts	1997	11	0	0.273	0.014	0.200	0.300	439.8	954.5	16.0
	2002	17	12	0.260	0.012	0.200	0.300	435.2	1042.6	15.0
	2007	9	0	0.248	0.012	0.210	0.310	466.0	1210.7	-
	2012	7	0	0.226	0.015	0.181	0.294	390.3	646.4	9.3
	2018	20	0	0.185	0.004	0.136	0.214	394.2	910.1	7.2
	2024	23	0	0.196	0.010	0.110	0.275	404.8	1005.6	7.6
Vulture	1997	22	100	-	-	-	-	302.5	397.6	10.4
	2002	17	0	0.276	0.011	0.200	0.300	432.0	1043.6	14.2
	2007	17	6	0.267	0.009	0.201	0.340	460.4	1300.8	-
	2012	14	0	0.231	0.011	0.112	0.306	466.1	1241.4	8.6
	2018	21	0	0.242	0.024	0.119	0.508	452.7	1137.3	7.6
	2024	18	0	0.186	0.008	0.121	0.246	476.3	1331.8	8.3

Lake	Year	Selenium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Kodiak	2002	11	55	0.200	0.000	0.200	0.200	464.2	1329.7	17.0
	2007	6	83	-	-	-	-	479.7	1302.3	-
	2012	12	0	0.164	0.005	0.130	0.192	460.3	1139.1	9.0
	2018	20	0	0.157	0.006	0.082	0.216	459.5	1104.4	8.3
	2024	20	0	0.216	0.006	0.171	0.263	537.3	1722.6	10.4
Leslie	1994	12	0	0.212	0.014	0.150	0.320	281.3	319.2	9.4
	2007	10	0	0.571	0.023	0.500	0.730	496.8	1383.5	12.3
	2012	13	0	0.960	0.060	0.581	1.290	467.5	1179.0	7.1
	2018	20	0	1.330	0.066	0.675	1.690	467.8	1034.9	8.9
	2024	19	0	1.929	0.063	1.540	2.680	489.4	1270.0	10.6
Moose	2002	10	30	0.214	0.020	0.129	0.300	403.4	773.2	12.8
	2007	7	0	0.437	0.026	0.350	0.530	456.9	1042.6	-
	2012	7	0	0.577	0.028	0.470	0.657	451.4	1079.4	7.4
	2018	20	0	0.894	0.045	0.393	1.310	489.8	1329.5	6.7
	2024	20	0	0.829	0.040	0.422	1.150	448.5	1042.8	8.2
Nema	2002	10	30	0.200	0.000	0.200	0.200	407.5	719.0	14.9
	2007	6	0	0.230	0.005	0.210	0.250	496.3	1563.7	-
	2012	10	0	0.274	0.015	0.200	0.356	540.8	1700.7	10.8
	2018	20	0	0.402	0.035	0.140	0.791	485.2	1292.8	9.2
	2024	20	0	0.629	0.028	0.432	0.841	522.5	1567.6	9.2

Lake	Year	Selenium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Slipper	1995	5	0	0.168	0.019	0.120	0.210	464.8	1464.0	17.0
	1997	9	0	0.433	0.159	0.200	1.700	387.3	690.9	13.3
	2002	12	8	0.310	0.039	0.122	0.500	449.0	1139.6	13.9
	2007	15	7	0.265	0.012	0.189	0.400	494.2	1357.6	-
	2012	10	0	0.225	0.011	0.154	0.263	425.7	819.6	7.6
	2018	20	0	0.217	0.007	0.177	0.292	446.6	1224.7	8.0
	2024	23	0	0.235	0.013	0.044	0.339	441.3	1101.4	8.1
Cujo	1999	6	0	0.200	0.000	0.200	0.200	403.2	795.0	19.0
	2002	7	29	0.200	0.000	0.200	0.200	419.7	841.4	18.0
	2007	4	0	0.455	0.047	0.320	0.540	410.5	692.5	-
	2012	22	0	0.437	0.014	0.314	0.581	454.1	1130.6	10.3
	2018	20	0	0.429	0.016	0.246	0.557	456.4	1145.3	9.2
	2024	22	0	0.487	0.039	0.085	1.060	506.1	2263.6	10.8

Notes:

Summary statistics not calculated when more than 60% of the values were below detection limit.

BDL = below detection limit; dash (-) = not applicable; g = grams; max = maximum value; min = minimum value; mm = millimeters; n = sample size; SE = standard error; wwt = wet weight

Table F-34 Summary of Lake Trout Muscle Selenium (Dry Weight) Data for AEMP Lakes, 1994 to 2024

Lake	Year	Selenium (mg/kg dwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Nanuq	1997	10	0	1.472	0.071	1.299	1.732	378.5	813.4	11.4
	2002	9	0	1.623	0.068	1.310	1.860	441.0	1069.4	16.4
	2007	14	0	1.762	0.050	1.460	2.101	475.7	1194.0	-
	2012	9	0	1.702	0.166	1.040	2.816	479.2	1359.8	9.3
	2018	20	0	2.356	0.215	1.560	5.070	484.2	1317.3	8.8
	2024	21	0	1.366	0.089	0.120	2.070	496.9	1679.6	8.3
Counts	1997	11	0	1.136	0.059	0.833	1.250	439.8	954.5	16.0
	2002	15	0	1.099	0.063	0.813	1.508	444.1	1105.0	15.3
	2007	9	0	1.048	0.075	0.602	1.462	466.0	1210.7	-
	2012	7	0	1.009	0.061	0.713	1.220	390.3	646.4	9.3
	2018	20	0	0.917	0.024	0.730	1.140	394.2	910.1	7.2
	2024	23	0	0.747	0.041	0.451	1.250	404.8	1005.6	7.6
Vulture	2002	17	0	1.194	0.049	0.862	1.500	432.0	1043.6	14.2
	2007	16	0	1.071	0.056	0.804	1.523	478.4	1379.0	-
	2012	14	0	0.896	0.058	0.439	1.493	466.1	1241.4	8.6
	2018	20	0	1.543	0.181	0.895	3.340	466.3	1191.3	7.6
	2024	18	0	0.780	0.045	0.416	1.130	476.3	1331.8	8.3

Lake	Year	Selenium (mg/kg dwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Kodiak	2002	5	0	0.847	0.042	0.685	0.913	436.6	1364.2	11.0
	2007	1	0	1.058	-	1.058	1.058	745.0	3200.0	-
	2012	12	0	0.713	0.024	0.542	0.833	460.3	1139.1	9.0
	2018	20	0	1.078	0.088	0.146	2.250	459.5	1104.4	8.3
	2024	20	0	1.031	0.058	0.671	1.780	537.3	1722.6	10.4
Leslie	1994	6	0	0.956	0.095	0.727	1.316	322.8	493.3	11.2
	2007	10	0	2.191	0.059	1.938	2.417	496.8	1383.5	12.3
	2012	13	0	4.270	0.276	2.455	5.658	467.5	1179.0	7.1
	2018	20	0	6.112	0.277	3.230	8.210	467.8	1034.9	8.9
	2024	19	0	8.416	0.265	7.000	11.80	489.4	1270.0	10.6
Moose	2002	7	0	1.224	0.101	0.922	1.681	399.1	858.1	11.9
	2007	7	0	1.768	0.118	1.379	2.265	456.9	1042.6	-
	2012	7	0	2.586	0.134	2.009	2.938	451.4	1079.4	7.4
	2018	20	0	4.226	0.205	1.830	6.270	489.8	1329.5	6.7
	2024	20	0	3.656	0.144	2.290	4.700	448.5	1042.8	8.2
Nema	2002	7	0	0.769	0.060	0.639	1.099	398.4	680.6	12.6
	2007	6	0	1.006	0.022	0.924	1.075	496.3	1563.7	-
	2012	10	0	1.176	0.055	0.826	1.441	540.8	1700.7	10.8
	2018	20	0	1.877	0.167	0.671	3.770	485.2	1292.8	9.2
	2024	20	0	2.810	0.099	2.000	4.060	522.5	1567.6	9.2

Lake	Year	Selenium (mg/kg dwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Slipper	1995	5	0	0.751	0.090	0.545	0.981	464.8	1464.0	17.0
	1997	9	0	1.897	0.706	0.885	7.522	387.3	690.9	13.3
	2002	11	0	1.453	0.168	0.847	2.242	453.5	1172.7	13.8
	2007	14	0	1.208	0.057	0.938	1.762	497.9	1439.4	-
	2012	10	0	0.999	0.063	0.740	1.356	425.7	819.6	7.6
	2018	20	0	1.796	0.103	1.060	3.070	446.6	1224.7	8.0
	2024	23	0	1.072	0.072	0.208	1.780	441.3	1101.4	8.1
Cujo	1999	6	0	0.941	0.021	0.851	0.985	403.2	795.0	19.0
	2002	5	0	0.918	0.041	0.820	1.047	426.0	847.2	18.6
	2007	4	0	2.124	0.129	1.758	2.322	410.5	692.5	-
	2012	22	0	2.019	0.080	1.421	3.402	454.1	1130.6	10.3
	2018	20	0	2.514	0.255	1.850	6.540	456.4	1145.3	9.2
	2024	22	0	2.235	0.161	0.447	4.330	506.1	2263.6	10.8

Notes:

Summary statistics not calculated when more than 60% of the values were below detection limit.

BDL = below detection limit; dash (-) = not applicable; dwt = dry weight; g = grams; max = maximum value; min = minimum value; mm = millimeters; n = sample size; SE = standard error

Table F-35 Summary of Round Whitefish Muscle Selenium Data for AEMP Lakes, 1994 to 2024

Lake	Year	Selenium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Nanuq	1997	6	0	0.617	0.174	0.300	1.400	266.7	221.8	6.4
	2002	10	0	0.550	0.031	0.400	0.700	309.3	320.0	7.3
	2007	3	0	0.650	0.131	0.440	0.890	381.3	579.7	-
	2012	20	0	0.432	0.018	0.322	0.637	254.7	174.0	5.4
	2018	20	0	0.491	0.038	0.248	1.050	335.8	433.2	6.9
	2024	20	0	0.255	0.012	0.190	0.389	237.7	151.7	4.4
Counts	1997	11	0	0.345	0.016	0.300	0.400	321.4	352.0	8.3
	2002	14	7	0.306	0.017	0.200	0.400	316.9	369.7	8.7
	2007	20	5	0.292	0.011	0.204	0.370	331.1	427.3	-
	2012	25	0	0.256	0.008	0.168	0.329	329.9	440.0	10.5
	2018	20	0	0.263	0.009	0.183	0.358	318.8	362.1	10.1
	2024	28	0	0.197	0.006	0.139	0.262	352.5	515.7	10.1
Kodiak	1995	9	0	0.138	0.005	0.110	0.150	349.1	490.0	-
	1997	26	0	0.204	0.007	0.100	0.300	266.3	266.2	4.8
	2002	16	31	0.209	0.015	0.126	0.300	324.6	394.8	6.8
	2007	21	57	0.204	0.005	0.169	0.240	282.5	269.5	13.0
	2012	22	0	0.166	0.005	0.117	0.219	352.5	497.0	12.5
	2018	20	0	0.197	0.005	0.153	0.246	376.5	591.6	14.9
	2024	20	0	0.217	0.008	0.171	0.273	294.1	298.3	8.2

Lake	Year	Selenium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Leslie	1994	5	0	0.336	0.037	0.230	0.450	419.0	833.0	13.6
	2007	20	0	0.879	0.034	0.540	1.130	362.8	618.5	10.3
	2012	21	0	1.114	0.058	0.265	1.500	312.9	394.6	7.6
	2018	20	0	2.245	0.051	1.900	2.710	366.9	565.4	8.4
	2024	20	0	2.074	0.078	1.470	2.750	403.7	743.5	9.9
Moose	2002	15	20	0.258	0.021	0.138	0.400	304.1	297.3	6.6
	2007	10	0	0.404	0.031	0.250	0.570	352.5	489.1	-
	2012	20	0	0.708	0.031	0.479	0.991	303.2	403.4	9.1
	2018	20	0	1.194	0.037	0.882	1.550	371.8	583.8	8.7
	2024	20	0	0.707	0.047	0.454	1.180	304.2	351.3	6.9
Nema	2002	18	17	0.256	0.016	0.155	0.400	290.1	269.6	7.3
	2007	19	0	0.318	0.012	0.220	0.460	343.6	474.6	-
	2012	34	0	0.317	0.008	0.220	0.444	308.6	354.5	9.9
	2018	20	0	0.681	0.030	0.521	0.947	377.7	658.4	9.5
	2024	20	0	0.578	0.019	0.421	0.759	380.0	646.0	11.8
Slipper	1995	5	0	0.176	0.010	0.150	0.210	334.2	454.0	-
	2002	17	0	0.294	0.020	0.200	0.500	278.1	232.4	6.5
	2007	20	0	0.276	0.010	0.200	0.360	285.6	294.1	-
	2012	23	0	0.225	0.008	0.144	0.288	265.3	201.2	5.3
	2018	20	0	0.293	0.006	0.240	0.345	304.2	286.1	7.4
	2024	20	0	0.279	0.007	0.227	0.350	272.2	226.8	5.4

Lake	Year	Selenium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Cujo	1999	20	0	0.320	0.017	0.200	0.500	346.4	507.2	15.0
	2002	18	6	0.310	0.018	0.189	0.500	323.6	409.8	9.7
	2007	20	0	0.476	0.021	0.350	0.720	337.0	508.7	-
	2012	21	0	0.570	0.019	0.378	0.693	344.4	501.0	11.3
	2018	20	0	0.503	0.020	0.323	0.664	357.4	519.9	10.2
	2024	20	0	0.389	0.017	0.278	0.519	308.1	402.8	9.7

Notes:

Summary statistics not calculated when more than 60% of the values were below detection limit.

BDL = below detection limit; dash (-) = not applicable; g = grams; max = maximum value; min = minimum value; mm = millimeters; n = sample size; SE = standard error; wwt = wet weight

Table F-36 Summary of Round Whitefish Muscle Selenium (Dry Weight) Data for AEMP Lakes, 1994 to 2024

Lake	Year	Selenium (mg/kg dwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Nanuq	1997	6	0	2.677	0.756	1.304	6.087	266.7	221.8	6.4
	2002	10	0	2.405	0.141	1.695	3.043	309.3	320.0	7.3
	2007	3	0	2.810	0.643	1.841	4.027	381.3	579.7	-
	2012	20	0	1.859	0.071	1.382	2.665	254.7	174.0	5.4
	2018	20	0	2.035	0.152	1.150	4.350	335.8	433.2	6.9
	2024	20	0	1.192	0.043	0.892	1.630	237.7	151.7	4.4
Counts	1997	11	0	1.329	0.060	1.154	1.538	321.4	352.0	8.3
	2002	13	0	1.046	0.069	0.648	1.515	319.3	377.0	8.9
	2007	19	0	1.296	0.051	0.753	1.629	332.9	435.5	-
	2012	25	0	1.073	0.034	0.712	1.330	329.9	440.0	10.5
	2018	20	0	1.212	0.054	0.755	1.900	318.8	362.1	10.1
	2024	28	0	0.885	0.026	0.626	1.160	352.5	515.7	10.1
Kodiak	1995	9	0	0.639	0.035	0.385	0.718	349.1	490.0	-
	1997	26	0	0.875	0.029	0.429	1.288	266.3	266.2	4.8
	2002	11	0	1.011	0.057	0.800	1.288	319.8	392.3	6.4
	2007	9	0	0.911	0.023	0.810	1.000	318.1	371.1	13.0
	2012	22	0	0.677	0.020	0.490	0.901	352.5	497.0	12.5
	2018	20	0	0.918	0.030	0.668	1.170	376.5	591.6	14.9
	2024	20	0	0.954	0.035	0.709	1.190	294.1	298.3	8.2

Lake	Year	Selenium (mg/kg dwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Leslie	1994	5	0	1.434	0.182	0.958	2.045	419.0	833.0	13.6
	2007	20	0	3.345	0.140	1.938	4.444	362.8	618.5	10.3
	2012	21	0	4.364	0.228	1.023	5.837	312.9	394.6	7.6
	2018	20	0	9.544	0.302	6.950	11.800	366.9	565.4	8.4
	2024	20	0	8.855	0.271	5.770	11.200	403.7	743.5	9.9
Moose	2002	12	0	1.136	0.089	0.612	1.732	306.0	306.7	6.8
	2007	10	0	1.557	0.120	0.880	2.111	352.5	489.1	-
	2012	20	0	2.921	0.135	2.092	3.902	303.2	403.4	9.1
	2018	20	0	5.218	0.236	1.990	7.050	371.8	583.8	8.7
	2024	20	0	2.975	0.187	2.000	5.050	304.2	351.3	6.9
Nema	2002	15	0	0.970	0.049	0.671	1.384	303.2	302.8	7.9
	2007	19	0	1.293	0.050	0.921	1.933	343.6	474.6	-
	2012	34	0	1.356	0.037	1.033	1.940	308.6	354.5	9.9
	2018	20	0	2.685	0.175	0.757	4.030	377.7	658.4	9.5
	2024	20	0	2.531	0.060	1.970	3.040	380.0	646.0	11.8
Slipper	1995	5	0	0.790	0.044	0.670	0.925	334.2	454.0	-
	2002	17	0	1.234	0.086	0.845	2.155	278.1	232.4	6.5
	2007	20	0	1.167	0.039	0.897	1.542	285.6	294.1	-
	2012	23	0	1.046	0.047	0.649	1.735	265.3	201.2	5.3
	2018	20	0	1.354	0.037	1.120	1.690	304.2	286.1	7.4
	2024	20	0	1.266	0.028	1.080	1.460	272.2	226.8	5.4

Lake	Year	Selenium (mg/kg dwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Cujo	1999	20	0	1.403	0.080	0.844	2.304	346.4	507.2	15.0
	2002	17	0	1.289	0.072	0.810	1.984	325.6	418.3	9.9
	2007	20	0	1.898	0.096	0.997	3.013	337.0	508.7	-
	2012	21	0	2.398	0.082	1.651	2.918	344.4	501.0	11.3
	2018	20	0	2.186	0.088	1.380	2.820	357.4	519.9	10.2
	2024	20	0	1.865	0.081	1.270	2.500	308.1	402.8	9.7

Notes:

Summary statistics not calculated when more than 60% of the values were below detection limit.

BDL = below detection limit; dash (-) = not applicable; dwt = dry weight; g = grams; max = maximum value; min = minimum value; mm = millimeters; n = sample size; SE = standard error

Table F-37 Summary of Round Whitefish Liver Selenium Data for AEMP Lakes, 1994 to 2024

Lake	Year	Selenium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Nanuq	1997	6	0	2.250	1.050	0.300	7.400	266.7	221.8	6.4
	2002	10	0	1.490	0.125	0.900	2.000	309.3	320.0	7.3
	2007	2	0	1.470	0.480	0.990	1.950	384.5	601.5	-
	2012	19	0	1.468	0.041	1.140	1.920	254.8	175.2	5.4
	2018	20	0	1.338	0.042	0.886	1.630	335.8	433.2	6.9
	2024	19	0	1.198	0.078	0.476	2.390	238.5	154.3	4.5
Counts	1997	11	0	1.009	0.053	0.700	1.300	321.4	352.0	8.3
	2002	14	14	0.935	0.057	0.700	1.300	316.9	369.7	8.7
	2007	20	0	1.010	0.031	0.690	1.260	331.1	427.3	-
	2012	25	0	0.737	0.031	0.518	1.240	329.9	440.0	10.5
	2018	19	0	0.864	0.043	0.671	1.420	320.8	368.1	10.3
	2024	28	0	0.674	0.031	0.353	0.994	352.5	515.7	10.1
Kodiak	1995	7	0	0.619	0.025	0.530	0.730	359.4	542.9	-
	1997	26	19	0.622	0.022	0.500	1.100	266.3	266.3	4.8
	2002	16	31	0.932	0.046	0.700	1.300	324.6	394.8	6.8
	2007	18	0	0.818	0.033	0.650	1.050	296.8	307.8	13.0
	2012	22	0	0.688	0.017	0.534	0.820	352.5	497.0	12.5
	2018	20	0	0.796	0.030	0.589	1.090	368.2	569.6	14.0
	2024	20	0	0.921	0.070	0.267	1.540	294.1	298.3	8.2

Lake	Year	Selenium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Leslie	1994	5	0	1.342	0.125	1.030	1.780	419.0	833.0	13.6
	2007	19	0	2.774	0.121	1.970	3.900	360.5	608.1	10.3
	2012	21	0	2.788	0.172	1.790	5.290	312.9	394.6	7.6
	2018	20	0	3.811	0.128	2.880	4.850	366.9	565.4	8.4
	2024	20	0	3.638	0.184	2.310	5.280	403.7	743.5	9.9
Moose	2002	15	7	1.121	0.069	0.900	1.800	304.1	297.3	6.6
	2007	10	0	1.402	0.149	0.660	2.130	352.5	489.1	-
	2012	20	0	1.714	0.071	1.250	2.330	303.2	403.4	9.1
	2018	20	0	3.077	0.188	1.520	5.760	371.8	583.8	8.7
	2024	20	0	1.732	0.137	0.669	3.380	304.2	351.3	6.9
Nema	2002	18	28	1.036	0.062	0.500	1.300	290.1	269.6	7.3
	2007	19	0	1.227	0.050	0.950	1.700	343.6	474.6	-
	2012	34	0	1.328	0.070	0.731	2.760	308.6	354.5	9.9
	2018	20	0	1.886	0.064	1.420	2.440	377.7	658.4	9.5
	2024	20	0	1.503	0.079	0.983	2.290	380.0	646.0	11.8
Slipper	1995	5	0	1.500	0.599	0.790	3.890	334.2	454.0	-
	2002	17	24	1.100	0.030	0.900	1.300	278.1	232.4	6.5
	2007	20	0	0.990	0.038	0.740	1.280	285.6	294.1	-
	2012	23	0	1.240	0.150	0.440	4.330	265.3	201.2	5.3
	2018	20	0	1.335	0.054	0.925	1.790	304.2	286.1	7.4
	2024	19	0	1.165	0.042	0.853	1.510	275.8	234.8	5.5

Lake	Year	Selenium (mg/kg wwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Cujo	1999	20	0	0.870	0.051	0.500	1.400	346.4	507.2	15.0
	2002	18	6	1.029	0.042	0.800	1.400	323.6	409.8	9.7
	2007	16	0	1.504	0.096	1.070	2.400	361.3	586.5	-
	2012	21	0	2.027	0.212	1.030	5.450	344.4	501.0	11.3
	2018	20	0	2.032	0.181	1.190	4.520	357.4	519.9	10.2
	2024	20	0	1.341	0.093	0.756	2.29	308.1	402.8	9.7

Notes:

Summary statistics not calculated when more than 60% of the values were below detection limit.

BDL = below detection limit; dash (-) = not applicable; g = grams; max = maximum value; min = minimum value; mm = millimeters; n = sample size; SE = standard error; wwt = wet weight

Table F-38 Summary of Round Whitefish Liver Selenium (Dry Weight) Data for AEMP Lakes, 1994 to 2024

Lake	Year	Selenium (mg/kg dwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Nanuq	1997	6	0	9.798	4.745	1.345	33.184	266.7	221.8	6.4
	2002	10	0	6.682	0.561	4.036	8.969	309.3	320.0	7.3
	2007	2	0	7.635	4.112	3.523	11.747	381.3	579.7	-
	2012	19	0	5.353	0.187	4.304	7.614	254.7	174.0	5.4
	2018	20	0	5.076	0.176	3.570	6.300	335.8	433.2	6.9
	2024	19	0	4.283	0.336	3.090	8.910	237.7	151.7	4.4
Counts	1997	11	0	4.426	0.233	3.070	5.702	321.4	352.0	8.3
	2002	12	0	4.167	0.273	3.070	5.702	319.3	377.0	8.9
	2007	20	0	4.442	0.134	2.987	5.495	332.9	435.5	-
	2012	25	0	2.908	0.128	1.962	5.041	329.9	440.0	10.5
	2018	19	0	3.351	0.177	2.530	5.420	318.8	362.1	10.1
	2024	28	0	2.474	0.111	1.180	3.540	352.5	515.7	10.1
Kodiak	1995	7	0	2.691	0.113	2.208	3.070	349.1	490.0	-
	1997	21	0	2.599	0.111	2.083	4.583	266.3	266.2	4.8
	2002	11	0	3.939	0.234	2.917	5.417	319.8	392.3	6.4
	2007	18	0	3.362	0.130	2.537	4.375	318.1	371.1	13.0
	2012	22	0	2.593	0.063	2.086	3.100	352.5	497.0	12.5
	2018	20	0	2.986	0.102	2.220	3.760	376.5	591.6	14.9
	2024	20	0	4.519	1.199	2.080	26.700	294.1	298.3	8.2

Lake	Year	Selenium (mg/kg dwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Leslie	1994	3	0	6.289	0.624	5.261	7.417	419.0	833.0	13.6
	2007	19	0	12.238	0.681	8.429	18.691	362.8	618.5	10.3
	2012	21	0	15.054	5.013	5.474	114.286	312.9	394.6	7.6
	2018	20	0	14.655	0.424	11.800	18.300	366.9	565.4	8.4
	2024	20	0	12.678	0.569	8.520	18.400	403.7	743.5	9.9
Moose	2002	14	0	4.834	0.307	3.879	7.759	306.0	306.7	6.8
	2007	10	0	6.123	0.713	3.607	9.458	352.5	489.1	-
	2012	20	0	6.627	0.283	4.756	9.202	303.2	403.4	9.1
	2018	20	0	12.075	0.913	5.610	26.400	371.8	583.8	8.7
	2024	20	0	6.362	0.513	2.100	12.300	304.2	351.3	6.9
Nema	2002	13	0	4.250	0.251	1.946	5.058	303.2	302.8	7.9
	2007	19	0	4.801	0.220	3.849	7.846	343.6	474.6	-
	2012	34	0	5.007	0.243	3.302	10.283	308.6	354.5	9.9
	2018	20	0	7.366	0.274	5.490	10.500	377.7	658.4	9.5
	2024	20	0	5.463	0.273	3.710	8.390	380.0	646.0	11.8
Slipper	1995	5	0	5.661	2.147	3.435	14.249	334.2	454.0	-
	2002	13	0	4.029	0.124	3.297	4.762	278.1	232.4	6.5
	2007	20	0	3.595	0.139	2.563	4.689	285.6	294.1	-
	2012	23	0	5.021	0.917	2.417	24.743	265.3	201.2	5.3
	2018	20	0	5.080	0.226	3.350	7.000	304.2	286.1	7.4
	2024	19	0	4.050	0.154	3.100	5.370	272.2	226.8	5.4

Lake	Year	Selenium (mg/kg dwt)								
		n	BDL (%)	Mean	SE	Min	Max	Mean Fish Length (mm)	Mean Fish Weight (g)	Mean Fish Age (years)
Cujo	1999	20	0	3.508	0.207	2.016	5.645	346.4	507.2	15.0
	2002	17	0	4.151	0.175	3.226	5.645	325.6	418.3	9.9
	2007	16	0	6.088	0.339	4.493	8.392	337.0	508.7	-
	2012	21	0	7.534	0.849	3.333	22.154	344.4	501.0	11.3
	2018	20	0	9.834	1.923	4.820	43.100	357.4	519.9	10.2
	2024	20	0	5.103	0.335	3.460	9.010	308.1	402.8	9.7

Notes:

Summary statistics not calculated when more than 60% of the values were below detection limit.

BDL = below detection limit; dash (-) = not applicable; dwt = dry weight; g = grams; max = maximum value; min = minimum value; mm = millimeters; n = sample size; SE = standard error