Appendix 27

Whale Tail 2025 Mercury Monitoring Program Report

2025 Mercury Monitoring Program

Whale Tail Mine

Prepared for:

Agnico Eagle Mines Ltd
Meadowbank Complex
Baker Lake, NU X0C 0A0

FINAL

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AZIMUTH

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SUMMARY

The 2025 Mercury Monitoring Program (MMP) was completed according to the study design outlined in the *Mercury Monitoring Plan* (Azimuth, 2023b). The purpose of the MMP is to assess changes in mercury concentrations caused by the creation of the Whale Tail Impoundment ("Impoundment") following the construction of the Whale Tail Dike in September 2018. Construction of the dike raised the elevation of the south basin of Whale Tail Lake (WTS) and connected WTS with Lake A20, Lake A65, and other small waterbodies adjacent to WTS.

One of the effects of newly formed reservoirs is an increase in the production of methylmercury. Methylmercury bioaccumulates in aquatic food webs with the highest concentrations of methylmercury typically observed in large-bodied fish species like Lake Trout. Predictions for the expected increase of methylmercury concentrations in Lake Trout were included in the Final Environmental Impact Statement (FEIS) in anticipation of this situation (Azimuth, 2019). Mercury concentrations in Lake Trout were predicted to increase between 2-3 times above baseline concentrations. Total mercury concentrations in surface water were predicted to peak at 50-100 ng/L (Golder, 2019). No predictions were made for methylmercury in surface water or sediment.

The MMP was designed to monitor mercury dynamics in key components of the ecosystem to verify the FEIS predictions and manage methylmercury-related risks should those predictions be exceeded. The scope of the 2025 MMP included the following sampling components:

- Surface water from the Impoundment, downstream lakes, and reference lakes;
- Sediment from the Impoundment, one downstream lake, and reference lakes; and
- Small-bodied fish results from 2024, which were only received in 2025 due to laboratory delays in sample processing and analysis.

Key findings from the 2025 MMP are provided below.

Water

Mercury concentrations in surface water samples collected from the Impoundment in 2025 were less than predictions in the FEIS and less than the Canadian Council of Ministers of the Environment (CCME) water quality guidelines for the protection of aquatic life (26 ng/L for total mercury and 4 ng/L for methylmercury). There was a noticeable increase in both total and methylmercury in WTS from 2018 (baseline) to 2020, and concentrations have remained elevated through 2025. The results from 2025 suggest concentrations are decreasing in the Impoundment compared to the peak observed in 2022-2023. Concentrations of methylmercury in filtered samples collected at WTS decreased from 0.11 ng/L

in 2023 to between 0.051 and 0.063 ng/L in 2025. Mercury concentrations in Kangislulik Lake[1] in 2025 were similar to baseline. The 2025 results for KAN demonstrate that transport of methylmercury from the Impoundment to lakes downstream is indiscernible compared to the variability in baseline/reference concentrations.

Mercury concentrations in surface water will be monitored in 2026 as per the *Mercury Monitoring Plan* (Azimuth, 2023b).

Sediment

In 2025, sediment samples were collected from the depositional areas in the MMP lakes. Total mercury concentrations were below the CCME sediment quality guidelines at all areas. Total mercury concentrations in the depositional zone of the Impoundment and in downstream exposure areas were similar to baseline/reference conditions.

In 2026, sediment will be collected in the MMP area lakes as per the *Mercury Monitoring Plan* (Azimuth, 2023b). Sediment cores from depositional zones in the MMP area lakes and sediment samples from the inundation zone of the Impoundment will be collected and analyzed for total and methylmercury.

Small-bodied Fish

Small-bodied fish (Slimy Sculpin [*Cottus cognatus*] and Ninespine Stickleback [*Pungitius pungitius*]) were included in the MMP to track temporal and spatial patterns in mercury at a key step in the food chain that ultimately leads to large-bodied fish. Lake Trout are the primary focus of the MMP, but the mercury results for small-bodied fish provide valuable insight into mercury bioaccumulation within the aquatic food web in the Impoundment. This is particularly important for understanding the timing of the 'reservoir effect' and predicting when fish mercury concentrations are expected to begin decreasing.

Small-bodied fish sampling is not required under the *Mercury Monitoring Plan* (Azimuth, 2023b). However, Slimy Sculpin and Ninespine Stickleback were collected from WTS and A20 in August 2024 to improve temporal resolution when assessing changes in total mercury concentrations in small-bodied fish. Due to laboratory delays, Slimy Sculpin and Ninespine Stickleback collected in 2024 were only processed and analyzed for total mercury and stable isotope analysis in 2025 and are included in this year's report.

[1] Kangislulik Lake (KAN) was previously referred to as Mammoth Lake (MAM).

In 2024, tissue mercury concentrations in Slimy Sculpin increased, with the magnitude of change more pronounced in WTS than in A20. For Ninespine Stickleback, tissue mercury concentrations appear to be stabilizing throughout the Impoundment based on results from 2024.

The 2024 stable isotope results indicate a shift in the carbon signatures following inundation, particularly at WTS. The carbon isotope ($\delta^{13}C$) values became more negative between 2018 and 2021, and remained depleted relative to baseline in 2023 and 2024, particularly for Slimy Sculpin. This shift likely reflects fish feeding on benthic or detrital prey that incorporate $\delta^{13}C$-depleted carbon derived from newly flooded terrestrial organic matter. Higher stable isotope nitrogen-15 ($\delta^{15}N$) values in 2024 may reflect differences in nitrogen isotopic composition between inundated habitats and areas that remained aquatic habitat, shifts in prey availability during habitat colonization (e.g., fish feeding higher in the food chain), or a combination of both.

For 2026, the supplemental small-bodied fish mercury study is not planned as per the *Mercury Monitoring Plan* (Azimuth, 2023b).

Large-bodied fish – Lake Trout

Lake Trout (*Salvelinus namaycush*) is the target species to monitor mercury bioaccumulation in the food web because piscivorous fish such as Lake Trout typically have the highest concentrations of mercury in high-latitude lakes. Lake Trout sampling for the MMP occurs every three years (2020, 2023, etc.). A supplemental sampling program completed in August 2024 confirmed that the mercury concentrations measured in Lake Trout samples collected in 2023 were within the range of predicted concentrations in the FEIS.

The MMP has committed to implementing further risk-based analyses if fish tissue mercury concentrations in the Impoundment exceed the predicted peak mercury concentration for Lake Trout (Azimuth, 2019). The estimated mean tissue mercury concentration for a 550-mm Lake Trout in 2024 from Whale Tail Lake remained within the confidence levels of the peak mercury concentration predicted in the FEIS. Therefore, no MMP-related risk management measures are required at this time.

Lake Trout sampling for the MMP is planned for August 2026 as per the *Mercury Monitoring Plan* (Azimuth, 2023b).

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ACKNOWLEDGEMENTS

The following people were involved in the Mercury Monitoring Program:

- Marianna DiMauro (Azimuth) was the lead author of the 2025 Mercury Monitoring Program report. Mehdi Aqdam (Azimuth) supported the small-bodied fish analysis and reporting.
- Gary Mann (Azimuth) was the technical advisor on this project and Eric Franz (Azimuth) was the primary reviewer.
- Ian McIvor (Azimuth), Marianna DiMauro (Azimuth), Brett Niego, and Eddie Amitnaaq collected water and sediment samples for mercury analysis in August 2025. Members of the Whale Tail Environment Team provided support for the August field program.
- Ian McIvor and Jeffrey Pratt collected small-bodied fish for tissue mercury analysis in August 2024.
- Rochelle Gnanapragasam, Ken Ambrose, and others from North/South Consultants Inc. who dissected small-bodied fish collected in 2024.
- Rodrigo Santos Sousa and others at the University of Western Ontario analyzed water samples for total and methylmercury in 2025.
- The laboratory teams at ALS and SINLAB who analyzed total mercury and stable isotopes in small-bodied fish in 2025, respectively.

USE & LIMITATIONS OF THIS REPORT

This report has been prepared by Azimuth Consulting Group Incorporated (Azimuth), for the use of Agnico Eagle Mines Ltd., who has been party to the development of the scope of work for this project and understands its limitations. The extent to which previous investigations were relied on is detailed in the report.

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In addition, the conclusions and recommendations of this report are based upon applicable legislation existing at the time the report was drafted. Changes to legislation, such as an alteration in acceptable limits of contamination, may alter conclusions and recommendations.

This report is time-sensitive and pertains to a specific site and a specific scope of work. It is not applicable to any other site, development or remediation other than that to which it specifically refers. Any change in the site, remediation or proposed development may necessitate a supplementary investigation and assessment.

ACRONYMS

CCME	Canadian Council of Ministers of the Environment
CPUE	Catch-per-unit-effort
CREMP	Core Receiving Environment Monitoring Program
CRM	Certified Reference Material
DQO(s)	Data Quality Objective(s)
dw	dry weight
EEM	Environmental Effects Monitoring
ELARP	Experimental Lakes Area Reservoir Project
FEIS	Final Environmental Impact Statement
IAEA	International Atomic Energy Agency
ISQG	Interim sediment quality guidelines (CCME sediment quality guidelines)
KAN	Kangislulik Lake (formerly known as Mammoth Lake [MAM])
LiDAR	Light Detection and Ranging
masl	Metres above sea level
MB	Method blank
MDL	Method detection limit
MDMER	Metal and Diamond Mining Effluent Regulations
MMP	Mercury Monitoring Program
MRL	Method Reporting Limit
MS	Matrix spike
NEM	Nemo Lake
NIRB	Nunavut Impact Review Board
NSSB	Ninespine Stickleback
NWB	Nunavut Water Board
QA/QC	Quality Assurance / Quality Control
RPD	Relative percent difference
SIA	Stable isotope analysis
SINLAB	Stable Isotopes in Nature Laboratory
SLSC	Slimy Sculpin
SOP	Standard Operating Procedure
SWTC	South Whale Tail Channel
US EPA	United States Environmental Protection Agency
WQG	Water quality guideline

WTS	Whale Tail Lake south basin
ww	wet weight

REPORT ORGANIZATION

The Mercury Monitoring Program (MMP) report is organized in a main document and three appendices. Below is an overview of the various sections of the report to help the reader navigate the document.

Section 1 introduces the MMP and provides an overview of the environmental setting for the project. The scope of mining development at the Whale Tail mine study area is summarized to describe the MMP approach to monitoring mercury concentrations in the aquatic receiving environment.

The following sections summarize the methods, results, and recommendations of the spatial and temporal trends in water quality, sediment chemistry, large-bodied and small-bodied fish in the Whale Tail mine area lakes sampled as part of the MMP.

- **Section 2** (Water)
- **Section 3** (Sediment)
- **Section 4** (Small-bodied Fish)
- **Section 5** (Large-bodied Fish)

Figures and tables are included within the text.

1 INTRODUCTION

1.1 Background

The Amaruq Property is a 408-square-kilometer area located on Inuit Owned Land, approximately 150 kilometers north of Baker Lake and approximately 50 kilometers northwest of the Meadowbank mine. Approval for the development of the Whale Tail gold deposit was originally issued in 2018 and amended in 2020 to include proposed changes as per the Whale Tail Expansion Project (Nunavut Impact Review Board [NIRB] Project Certificate No. 008, Amendment 001). The Amaruq satellite deposits and the original Meadowbank mine are referred to as the Meadowbank Complex (**Figure 1-1**).

The Whale Tail deposit was developed as an open pit mine. To access the deposit, a dike was constructed across Whale Tail Lake to isolate the north basin of Whale Tail Lake before dewatering (**Figure 1-2**). Dike construction was completed in September 2018 and dewatering of the north basin occurred between March 2019 and May 2020 (Agnico Eagle, 2021). The Whale Tail Dike altered the local hydrology by increasing water levels and creating a small reservoir (the "Impoundment"). The rising water level connected Whale Tail Lake with Lake A65, Lake A63, Lake A20, and other small ponds nearby. Approximately 157 ha of tundra were originally predicted to be flooded at peak water elevation. However, that estimate was revised to 148.5 ha based on high-resolution Light Detection and Ranging (LiDAR) imagery collected in 2018 as part of the Whale Tail Expansion Project (Agnico Eagle, 2021).

Before flooding, the water level in Whale Tail Lake was approximately 152.5 metres above sea level (masl). Peak flooding occurred in 2019 (155.8 masl), coinciding with an abnormally high amount of precipitation in July and August. A diversion channel – the South Whale Tail Channel (SWTC) – was constructed between Lake A20 and Kangislulik Lake[2] prior to the 2020 spring freshet to passively manage the water level in the Impoundment below 156 masl (**Figure 1-2**). In 2022, the water levels decreased slightly to 155 masl at the south basin of Whale Tail Lake (WTS), and 154.9 masl at Lake A20 (Pers. Comm. Patrice Gagnon and Tom Thomson, August 19, 2022). Water levels peaked between 155.5 to 155.7 masl during freshet from 2020 to 2025 (Pers. Comm. Leilan Baxter, March 12, 2026).

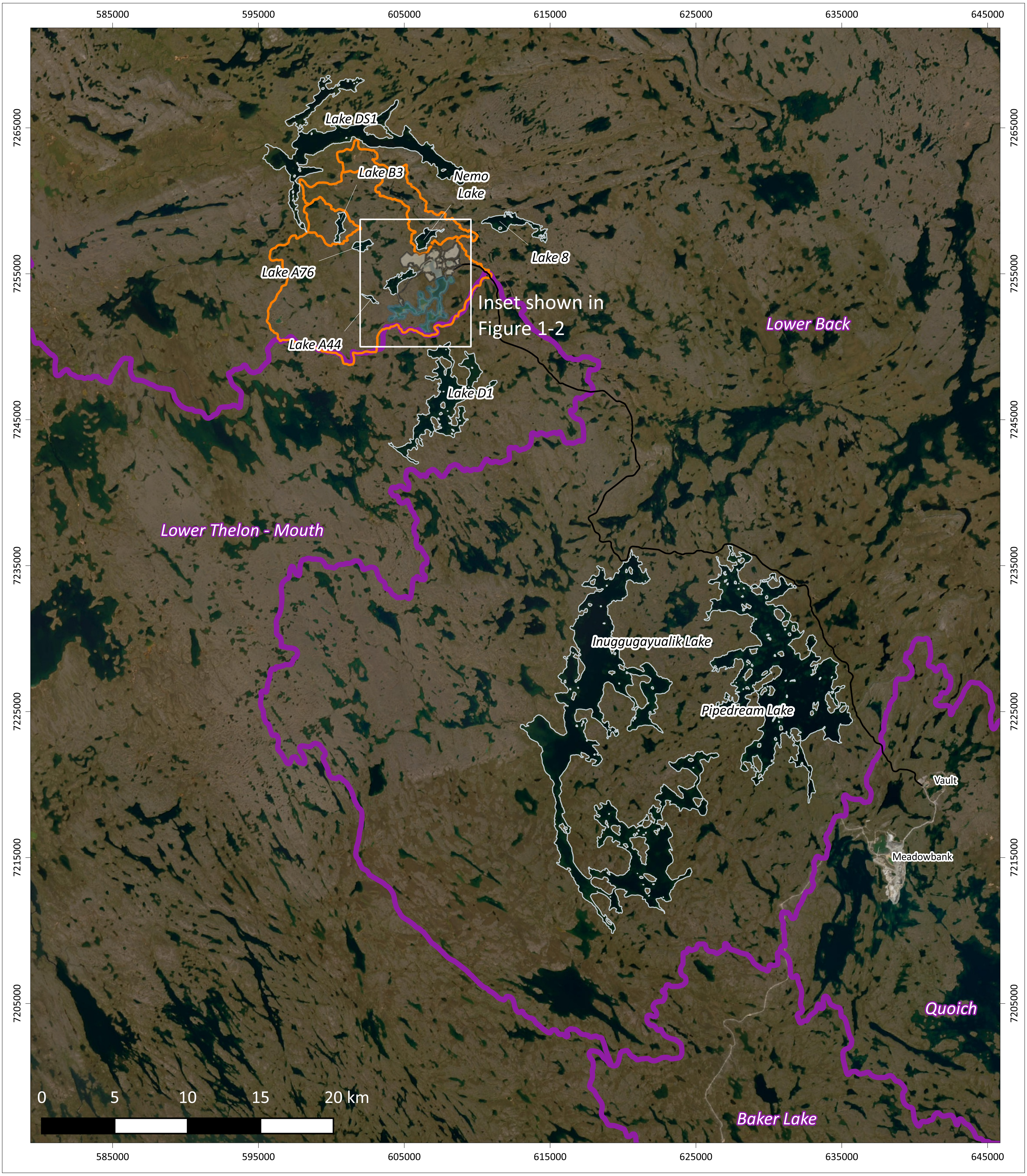
Mercury monitoring is conducted according to the *Mercury Monitoring Plan* (the Plan; Azimuth, 2023b) to satisfy requirements under Condition 63 NIRB Project Certificate No. 008 and Nunavut Water Board (NWB) Water License 2AM-WTP1830. The core components of the Mercury Monitoring Program (MMP) are water, sediment, and large-bodied fish chemistry (Lake Trout; *Salvelinus namaycush*). Small-bodied fish tissue chemistry data has also been incorporated into the MMP. These data were collected as part

[2] Kangislulik Lake (KAN) was previously referred to as Mammoth Lake (MAM).

of a multi-year study investigating productivity within the Whale Tail Lake Impoundment by the University of Waterloo (2018 to 2021) and supplemental sampling for the MMP (2023 and 2024).

The primary objective of the MMP is to verify that mercury concentrations in Lake Trout are within or below the predictions[3] for the Whale Tail mine. The next large-bodied fish sampling event targeting Lake Trout is planned for 2026.

[3] Predictions in the Final Environmental Impact Statement (FEIS; Golder, 2018) were originally presented in Azimuth 2017 and were updated in Azimuth 2019 to reflect changes to the proposed flooding duration of Whale Tail Lake (South Basin) as part of the proposed expansion activities for the Whale Tail mine.



Legend

- Whale Tail Haul Road
- Whale Tail Mine
- Impoundment
- Regional Watershed Boundaries
- Amaruq Watershed Boundaries

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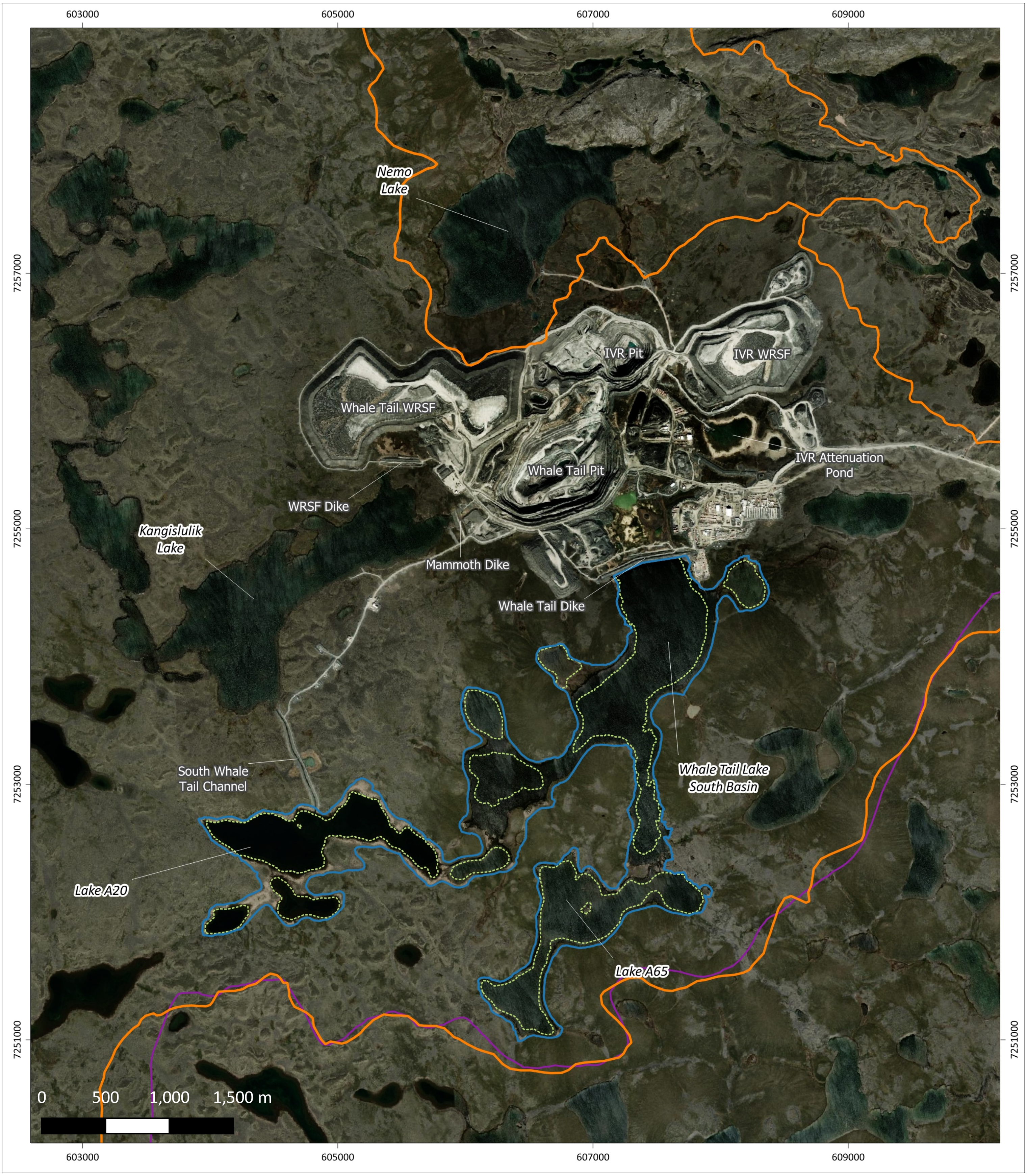
Client	Agnico Eagle Mines Limited - Meadowbank Division
Figure 1-1	Lakes Sampled as Part of the Mercury Monitoring Program
Project	Whale Tail Mine Mercury Monitoring Program

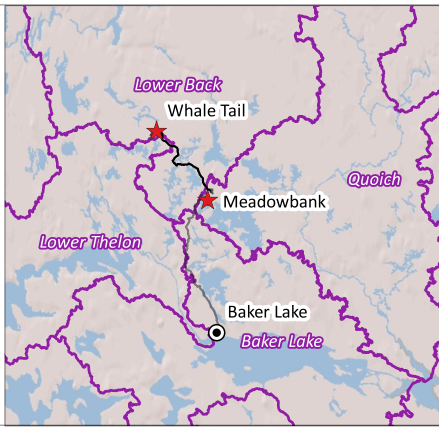
Date: February 10, 2026
Datum: NAD 83 UTM Zone 14N
Scale: 1:350,000
Software: QGIS version 3.22.11-Białowieża

REFERENCES:
1. Mine Plan from Agnico Eagle (2021)
2. Satellite image from ESRI
3. Regional watershed boundaries and waterbodies from NRCan
4. Amaruq watershed boundaries from Agnico Eagle



Legend

- All Weather Access Road
- Haul Road
- Measured peak flood level (155.84 masl; Oct 2019)
- Amaruq Watersheds
- Regional Watersheds
- Dotted line = water elevation prior to flooding (NRCAN 1:50K)



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Client	Agnico Eagle Mines Limited Meadowbank Division
Figure 1-2	Post-Flood Water Levels in the Impoundment
Project	Whale Tail Mine Mercury Monitoring Program

Date: February 10, 2026
Datum: NAD 83 UTM Zone 14N
Scale: 1:40,000
Software: QGIS Version 3.22.11-Białowieża

REFERENCES:
1. Mine plan and sub-watershed boundary layers from Agnico Eagle.
2. Basemap imagery from ESRI.
3. Regional watershed boundaries from NRCan
4. Amaruq watershed boundaries from Agnico Eagle.

1.2 Mercury in the Aquatic Environment

Mercury is a naturally occurring element that is found in low levels everywhere – in air, water, soil, plants, animals, and humans. In aquatic environments, bacteria turn naturally occurring inorganic mercury into methylmercury, a highly bioavailable form of mercury. Methylmercury is readily bioaccumulated and biomagnified through the food chain, meaning it occurs in the highest concentrations in long-lived animals near the top of the food chain. Flooding terrestrial habitat, such is the case for WTS and sub-watershed lakes, can lead to elevated methylmercury production associated with the decomposition of organic matter within the flood zone. The elevated methylmercury production results in increases in methylmercury in all components of the ecosystem. Concentrations are highest in the tissue of long-lived, predatory fish species, such as Lake Trout, and peak anywhere from four to 12 years after flooding. The increase is temporary, however, and as flooded carbon sources for bacterial decomposition are exhausted, methylmercury concentrations gradually decline throughout the ecosystem.

Additional information on mercury in the environment, including the physical, chemical, and ecological factors that drive mercury methylation dynamics in aquatic environments following flooding and soil inundation, is described in Azimuth (2017).

1.3 Mercury Monitoring Program

1.3.1 Overview

The core elements of the MMP are water chemistry, sediment chemistry, and fish tissue chemistry. This report compares water chemistry, sediment chemistry, and fish tissue data collected before (i.e., baseline) with data collected after flooding of the tundra around the south basin of Whale Tail Lake.

Data presented in the MMP were collected under various research and monitoring programs (see below). Data analysis and reporting under the MMP are completed solely by Azimuth.

- Ultra-trace mercury and methylmercury sampling in water was led by Dr. Heidi Swanson (University of Waterloo) until 2020. Azimuth took over water sampling for the MMP in 2021.
- Azimuth completed sediment sampling as part of the Core Receiving Environment Monitoring Program (CREMP).
- Small-bodied fish sampling was led by Dr. Swanson's research group from 2018 to 2021. In 2023, C. Portt and Associates and Kilgour and Associates collected fish as part of the harmonized fish sample collection for the Environmental Effects Monitoring (EEM) and MMP. Azimuth assisted with small-bodied sample collection in 2023 and led collection in 2024.

- Large-bodied fish samples have been collected by North/South Consultants (Whale Tail North basin fish-out) and C. Portt and Associates (index sampling and EEM). Supplemental fish sampling was led by Azimuth in 2023 and 2024.

1.3.2 Study Areas for the Mercury Monitoring Program

Sampling areas include locations within the Impoundment, downstream from the mine, and regional reference area lakes.

- **Whale Tail Lake South Basin (Whale Tail Lake [WTS]).** Water levels were consistent with baseline conditions in the south basin until dewatering started in March 2019. The Impoundment was fully flooded by August 2019 (i.e., connected to sub-watershed lakes, including A20, A63[4], and A65). Details on the water levels in Whale Tail Lake and the connectivity with surrounding lakes are provided in **Section 1.1**.
- **Lakes A20 and A65**. These lakes are situated inside the full-flood zone of the Impoundment. They would still have been independent of the Impoundment in August 2018, but were part of the contiguous Impoundment by the August 2019 MMP sampling event.
- **Kangislulik Lake (KAN)**. This lake first received post-inundation inputs from the Impoundment in the fall of 2019 to manage water levels before completing the SWTC, which became operational in spring of 2020. The SWTC connects the Impoundment to KAN via Lake A20.
- **Lake A76**. This lake, located downstream of KAN, is a mid-field (MF) area for both the CREMP and the MMP.
- **Lake DS1 (Amur Lake)**. Lake DS1 is the downstream-most lake sampled in the Whale Tail Lake watershed and the far-field (FF) exposure area for the CREMP and MMP. Lake DS1 is the largest lake in the local study area.
- **Nemo Lake (NEM)**. Nemo Lake was originally included as a reference lake in the CREMP. It shifted to an exposure lake in 2019 when it received dewatering inputs. However, since it is not connected to the Whale Tail Lake watershed it was retained as a reference lake for surface water collection in the MMP in 2018 and 2020.
- **Reference Lakes**. Several reference lakes have been sampled for the MMP because of cross-over with the productivity study, the EEM program, and the CREMP. The list of reference lakes includes Lake 8, Lake D1, Lake B3, Lake A44, Inuggugayualik Lake (INUG), and Pipedream Lake (PDL). These lakes are located outside Whale Tail Lake watershed and together they provide a comprehensive

[4] Lake A63 was one of the lakes monitored under the mandate of the research conducted by the University of Waterloo. Since Lake A63 is now part of the contiguous Impoundment and was not formally included in the MMP, the data are not provided in this report.

understanding of background mercury concentrations in the region. At least two reference lakes have been sampled annually to help explain natural or climate-related changes in mercury that are affecting the entire region. Decisions about which reference lakes to include in the MMP in a given year are influenced by study design requirements for other programs, namely the CREMP and EEM. The goal is to optimize the MMP to ensure resources are deployed efficiently.

1.4 Scope of the 2025 Program

The scope of the 2025 MMP included:

- **Surface water**. Results from 2025 were compared to previous years (pre- and post-inundation), to predictions for the Expansion Project, and applicable water quality guidelines.
- **Sediment**. Samples were collected from depositional zones, which are deep zones targeted in near-field areas in both the CREMP and the MMP. Sediment accumulating in these habitats provides a long-term record of lake-wide processes. Results from 2025 were compared to baseline results and applicable sediment quality guidelines.
- **Fish**
    - No large-bodied or small-bodied fish were collected in 2025.
    - Large-bodied fish (Lake Trout) were collected from Whale Tail Lake in August 2024.
    - Small-bodied fish were collected in August 2024 to track temporal changes in mercury concentrations in WTS and Lake A20, though sampling was not required under the *Mercury Monitoring Plan* (Azimuth, 2023b). Two species of small-bodied fish were targeted: Slimy Sculpin (*Cottus cognatus*) and Ninespine Stickleback (*Pungitius pungitius*). Due to delays in processing and analyzing samples, the 2024 results were only received in 2025 and are included in this report.

2 WATER

2.1 Key Findings for Water Chemistry in 2025

- Total mercury concentrations in surface water in the Impoundment in 2025 were below predicted concentrations in the FEIS.
- Total mercury and methylmercury concentrations were also below Canadian Council of Ministers of the Environment (CCME) water quality guidelines for the protection of aquatic life.

- In 2025, surface water concentrations of total and methylmercury in the Impoundment were higher than the baseline period. However, the results from 2025 suggest concentrations are decreasing compared to the peak observed in 2022-2023.
- Mercury concentrations in Kangislulik Lake in 2025 were similar to baseline. The results for KAN demonstrate that transport of methylmercury from the Impoundment to lakes downstream is indiscernible compared to the variability in baseline/reference concentrations.

2.2 Overview

Predicted changes in total mercury concentrations in surface water were presented in the FEIS for the Whale Tail mine (main document of the 2018 FEIS Addendum, Section 6.2.3.2.; Golder, 2019). The predicted changes in total mercury concentrations in Whale Tail Lake were between 50 ng/L and 100 ng/L. The prediction is based on baseline measurements and scaling from the mercury literature review (Azimuth, 2017). The total mercury concentrations in surface water represent the maximum possible increase that could occur in Whale Tail Lake.

Methylmercury concentrations are an indicator of mercury methylation rates in the years after initial reservoir flooding. Based on two experimental reservoir studies in Ontario[5], the expected temporal trend is an increase in the first year, followed by a peak within two to three years, and then a decline towards background levels. Dissolved[6] methylmercury in surface water is the best indicator of increased methylation rates in an impoundment. While the FEIS did not include predictions for changes in dissolved methylmercury, typically there is an initial increase following impoundment as methylation rates remain high in the flooded area, then a decline as bacterial decomposition driving methylation slows down. A clear peak followed by a decrease in dissolved methylmercury concentrations in surface water would therefore indicate decreasing methylmercury production, suggesting that mercury levels in the food web should also start to decline. In 2025, dissolved methylmercury concentrations in the Impoundment were similar to 2024, suggesting concentrations peaked in 2022-2023 and are therefore expected to begin declining.

2.3 Methods

Ultra-trace total mercury data for the MMP are collected in August of each year, concurrent with water sampling for the CREMP. Samples were collected by Azimuth in August 2025; details are provided below.

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[5] Experimental Lakes Area Reservoir Project and Flooded Uplands Dynamics Experiment.

[6] Dissolved results in surface water are also referred to as *filtered* in the report.

2.3.1 Sample Collection

Ultra-trace mercury samples were collected as surface level-grabs, following the *clean hands/dirty hands method* (US EPA, 1996). Sample bottles were received from the laboratory double-bagged and were returned in the same double bags. Samples were collected by a two-person field team; one team member, designated the *clean hands*, only handled the inner bag and sample container, while the second team member, designated the *dirty hands*, handled the outer bag and filtering equipment, but avoided touching the sample container or inner bag. Unfiltered samples were collected at each station for total[7] and methylmercury. Samples were stored in a freezer on-site. At the earliest convenience, water samples were shipped to the laboratory in coolers with ice packs to minimize the possibility of exceeding the recommended hold-times between sample collection and analysis. Samples were filtered and preserved by the laboratory (Biotron) upon receipt. Samples collected for mercury analysis are summarized in **Table 2-1**.

[7] The *total* in total mercury refers to the inclusion of all species of mercury (i.e., both inorganic and organic forms). To avoid confusion, we use the term *unfiltered* rather than *total* when addressing partitioning between particulate-bound and dissolved phases.

Table 2-1. Summary of surface water samples collected for ultra-trace mercury analysis (total mercury and methylmercury).

Area/Lake	Designation	Year†									
		2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Whale Tail - South Basin |Impoundment	NF	1	2	2	~~2~~	2	2	2	2	2	2
Lake A20 | Impoundment	NF	-	-	2	~~2~~	2	2	2	2	2	2
Lake A65 | Impoundment	NF	-	-	2	~~2~~	2	2	2	2	2	2
Kangislulik Lake*	NF	-	1	2	~~2~~	2	2	2	2	2	2
Lake A76	MF	-	-	2	~~2~~	2	2	2	-	-	-
Lake DS1	FF	-	-	-	~~2~~	2	2	2	2	-	-
Inuggugayualik Lake	Reference	-	-	-	-	2	2	2	2	2	2
Pipedream Lake	Reference	-	-	-	-	2	2	2	2	2	2
Lake 8	Reference	-	-	2	~~2~~	2	-	-	-	-	-
Lake D1	Reference	-	-	-	-	2	2	-	-	-	-
Lake B3	Reference	-	-	-	-	2	2	2	-	-	-
Lake A44	Reference	-	-	-	-	2	2	2	-	-	-
Nemo Lake	Reference	-	-	2	-	2	-	-	-	-	-

Notes:

†Minor flooding of the Impoundment, limited to Whale Tail (south basin) during 2018 sampling. Extensive during 2019 and 2020 sampling (i.e., connectivity between impounded lakes).

*Kangislulik Lake (KAN) was previously referred to as Mammoth Lake (MAM).

Designation includes: NF = near-field, MF = mid-field, FF = far-field.

Numbers given indicate the number of sites sampled and "-" means no sample was collected as per the Mercury Monitoring Plan.

Shading indicates the status of the lake (blue = baseline and reference areas [Control designation]; orange = post flooding [Impact designation]).

Water chemistry results from 2019 (strikethrough) excluded from the dataset because they were contaminated at the University of Waterloo prior to analysis (see Appendix L in Azimuth, 2020).

2.3.2 Laboratory Analysis

Water samples were analyzed at the University of Western Ontario (Biotron), using an ultra-low detection limit. Biotron is a Canadian Association for Laboratory Accreditation (CALA) accredited laboratory, with detection limits for mercury that are lower than those available from commercial analytical laboratories. The detection limits are calculated each year to comply with the EPA method detection limit (MDL) revision 2 (EPA 821-R-16-006 - Dec 2016). The reporting limit for all ultra-trace water data collected to date was set to the method reporting limit (MRL) for the MMP, which corresponds to the MDL with an applied safety factor of approximately 3-times the MDL. Biotron increased the MDL (and, by association, the MRL) for methylmercury slightly from 2020 to 2023 due to reduced sensitivity associated with an aging instrument. A new instrument was installed in January 2024, resulting in MDLs comparable to those reported in 2020 (Pers. Comm. Rod Santos Sousa from Biotron, March 11, 2024). The higher MDLs in 2022 and 2023 may have reduced the precision of results measured near the MDL. However, for samples with concentrations greater than five times the MRL, variability in MDLs is unlikely to affect data accuracy or the interpretation of results.

Total mercury analysis of filtered and unfiltered samples was completed using cold vapour atomic fluorescence spectrophotometry (Tekran Model 2600) – TM.0811 (Method Ref. modified from EPA 1631). Methylmercury analysis of filtered and unfiltered samples was completed using cold vapour atomic fluorescence spectroscopy (Tekran Model 2700) – TM.0812.A (Method Ref. modified from EPA 1630).

2.4 Quality Assurance/Quality Control

The objective of quality assurance/quality control (QA/QC) is to assure that the chemistry data collected are representative of the material or populations being sampled, are of known quality, have sufficient laboratory precision to be highly repeatable, are properly documented, and are scientifically defensible. Data quality was assured throughout sample collection and analysis using specified standardized procedures, using laboratories that have been certified for all applicable methods, and staffing the program with experienced environmental scientists.

Field QC procedures included collecting and analyzing field duplicates and two types of blank samples: travel blanks and de-ionized (DI) water blanks. Blank sample collection required careful planning, attention to detail, focus on the importance of cleanliness, and generally provided a good opportunity to assess QA procedures. Blank samples were collected during the August sampling event and submitted to the laboratory with the other field samples to ensure they were treated the same as field-collected samples during analysis. Results of the field QA/QC analysis are summarized herein:

- **Travel blanks and DI blanks**. One DI blank and one travel blank were submitted in 2025. Total mercury and methylmercury concentrations in filtered and unfiltered DI blank and travel blank samples were below the MRL (**Appendix A1**).
- **Field Duplicates**. The target frequency of collecting sample duplicates was approximately 10% of the total number of samples collected. In 2025, 12 water samples and two field duplicates were collected. The field duplicate data are provided in the laboratory results from Biotron (**Appendix A1**).

Laboratory QC results reported by Biotron are summarized below.

- Laboratory duplicate samples had an average relative percent difference (RPD) of 5% for methylmercury and 7% for total mercury.
- The average matrix spike RPD was 2% for methylmercury and total mercury.
- The method blank (MB) was less than MRLs for methylmercury and total mercury analysis.
- In all 2025 samples, concentrations of total mercury and methylmercury in the unfiltered fraction were greater than the corresponding filtered fraction.
- There were no flags on quality control violations for any of the samples in 2025.

Overall, the 2025 data met the data quality objectives of the MMP.

2.5 Results and Discussion

Total mercury and methylmercury concentrations in filtered and unfiltered samples collected from 2016 through 2025 are presented in **Figure 2-1** and **Figure 2-2**. Tabulated results are provided in **Appendix A**. Surface water mercury results were first compared to FEIS predictions and to CCME water quality guidelines (WQGs), then spatial-temporal patterns were reviewed. Lastly, ratios of methylmercury to total mercury (%MeHg) in filtered surface water samples were explored.

Comparison to FEIS Predictions and to CCME WQGs

Total mercury concentrations observed in Whale Tail Lake in 2025 were below the predicted concentrations in the FEIS[8] (50 to 100 ng/L) and the CCME WQGs for the protection of aquatic life (26 ng/L; CCME, 2003). Methylmercury concentrations in the Impoundment in 2025 were below the 4 ng/L CCME WQG for the protection of aquatic life (CCME, 2003). The CCME guidelines are appropriate for assessing the potential effects from direct exposure to total mercury or methylmercury. However, these guidelines were not derived to protect aquatic-dependent wildlife or humans from dietary exposure to

[8] Predicted maximum total mercury concentrations in water during impoundment. Predicted concentrations are conservatively based on assumptions from literature on permanently flooded reservoirs and baseline measurements (Golder, 2019).

mercury; we address this by directly measuring mercury in fish, which is an important exposure route for wildlife and humans.

Total Mercury

Reference conditions

In 2025, concentrations of total mercury in unfiltered surface water in reference areas INUG and PDL ranged from 0.19 ng/L to 0.35 ng/L. From 2018 through 2025, total mercury concentrations in unfiltered surface water samples collected from reference lakes have ranged from approximately <0.016 ng/L to 1.5 ng/L. In 2022, there were two samples in which total mercury concentrations in unfiltered surface water samples were higher than the typical range (i.e., 4.25 ng/L at A44 and 5.61 ng/L at B3). Since then, total mercury concentrations in unfiltered surface water from reference lakes have remained slightly above the baseline but lower than in 2022 (<0.16 ng/L to 0.38 ng/L).

Baseline conditions in WTS, A20, and A65 (pre-flooding)

Total mercury concentrations in unfiltered surface water samples collected in WTS from 2016 to 2018 ranged from 0.29 ng/L to 0.52 ng/L. Total mercury concentrations in unfiltered surface water samples collected from A20 and A65 in 2018 (when minor flooding of the Impoundment was limited to WTS) ranged from 0.36 ng/L to 0.50 ng/L.

Impoundment post-flooding

Total mercury concentrations in unfiltered surface water increased in WTS, A20, and A65 after flooding compared to baseline concentrations. The highest total mercury concentration (3 ng/L) was measured at WTS in 2020 (year 2 of the Impoundment). Total mercury concentrations decreased in 2023. Recent results (2023-2025) indicate total mercury concentrations in A20 and A65 were stable (0.38 to 0.85 ng/L), whereas concentrations in WTS decreased from 0.97 and 0.99 ng/L in 2023 to 0.55 and 0.59 ng/L in 2024 and 0.62 and 0.67 ng/L in 2025.

Downstream post-flooding

Creation of the Impoundment does not appear to have caused higher mercury concentrations in lakes downstream (i.e., KAN, A76, DS1). Since 2020, total mercury concentrations measured in samples from KAN and A76 have been consistently higher than baseline. However, a similar temporal trend has also been observed in some of the reference lakes. These results suggest that mercury concentrations have increased regionally.

The absence of a discernable spatial trend showing higher total mercury concentrations upstream at KAN compared to downstream at DS1 is another line of evidence that the Impoundment is not a discernable source of mercury to lakes downstream.

Methylmercury

The findings below focus on filtered methylmercury concentrations to provide insight into methylation rates. Filtered results provide a direct measure of methylmercury without the potential influence of suspended particulates.

- **Reference conditions.** Methylmercury concentrations in filtered surface water samples collected at reference lakes were below laboratory detection limits (<0.018 to <0.034 ng/L) in most samples.
- **Baseline conditions in WTS, A20, and A65 (pre-flooding)**. Methylmercury concentrations in filtered surface water samples collected in WTS from 2016 to 2018 ranged from <0.023 ng/L to <0.05 ng/L. Methylmercury concentrations in filtered surface water samples collected from A20 and A65 in 2018 were all less than the detection limit (<0.023 ng/L).
- **Impoundment post-flooding.** By 2020 (year 2 of the Impoundment), methylmercury concentrations in WTS were approximately 0.4 ng/L, an order of magnitude higher compared to the baseline period (<0.023 to <0.05 ng/L). Concentrations remained elevated through the fourth-year post-impoundment (2022) before decreasing in 2023 and 2024. Methylmercury concentrations were similar in 2025 compared to 2024. While the levels remain elevated compared to baseline conditions, evidence to date suggests that concentrations peaked in 2022-2023 and are starting to decline. Overall, methylmercury concentrations have consistently remained below CCME water quality guidelines (4 ng/L; CCME, 2003).
- **Downstream post-flooding.** Concentrations in the three downstream sampling areas show some signs of increase relative to reference conditions, but the changes are subtle and are likely influenced by environmental variability rather than by methylmercury exports from the Impoundment. For example, the highest methylmercury concentrations in filtered samples collected from downstream areas since 2020 have been observed at the far-field exposure area Lake DS1, which was not sampled in the baseline period. With the Impoundment as the source of elevated methylmercury, downstream concentrations would be expected to first increase at near-field area KAN, then mid-field area Lake A76 before seeing any change at far-field Lake DS1. However, this was not observed. Furthermore, methylmercury concentrations at the downstream areas were not consistently higher than those observed at the reference lakes. In 2023, methylmercury concentrations in filtered samples were all below detection limits. There were two unfiltered samples with detectable concentrations; the highest mercury concentration of the two detected concentrations was in the sample collected from DS1 (0.59 ng/L). In 2024, concentrations in samples collected from KAN were below detection limits (<0.022 ng/L). In 2025, one sample exceeded the detection limit; however, the measured concentration remained lower than the peak concentrations observed in 2023.

Methylmercury: Total Mercury Ratios

The relative amount of methylmercury compared to total mercury (%MeHg) in water provides information on how much mercury is in the methylated form. When assessed over space and/or time, %MeHg may indicate the differences in methylmercury production (**Figure 2-3**).

- **Reference conditions.** The %MeHg in filtered surface water samples collected at reference lakes ranged from 3.4 to 11.3.
- **Baseline conditions in WTS, A20, and A65 (pre-flooding).** The %MeHg in filtered surface water samples collected at WTS from 2016 to 2018 ranged from 7 to 10. The %MeHg in filtered surface water samples collected at A20 and A65 in 2018 ranged from 9.3 to 11.3.
- **Impoundment post-flooding.** The %MeHg in surface water samples collected in the Impoundment after flooding have ranged from 3.7 to 41; baseline/reference %MeHg have generally been below 20. The %MeHg in the Impoundment appears to have peaked in 2022 and has declined since then, but remains higher than baseline/reference conditions.
- **Downstream post-flooding.** Similar to methylmercury concentrations, the evidence for downstream increases in %MeHg is weak. A downstream influence would be expected to result in more pronounced changes at KAN, followed by more muted changes at A76 and DS1 relative to baseline/reference conditions. That pattern has not been observed. Rather, results for the downstream lakes have been variable but within the range observed across baseline/reference conditions (~5 to 20 %MeHg). Results from the reference lakes in 2023 were at the upper end of this range, while results from KAN in 2024 were lower than those observed in 2023. In 2025, results were slightly higher than 2024; however, this increase was consistent with patterns observed in the reference areas. Overall, these findings do not indicate an apparent influence of the Impoundment on %MeHg in downstream areas.

2.6 Water Chemistry Summary

Mercury concentrations in surface water within the Impoundment have remained below concentrations predicted in the FEIS and below CCME water quality guidelines for the protection of aquatic life.

Monitoring results indicate that mercury concentrations in the Impoundment increased following inundation in 2020 and remained elevated through 2021 and 2022. The highest unfiltered methylmercury concentration (0.68 ng/L) was observed in WTS in 2022, approximately four years post-flooding. In 2023 and 2024, concentrations declined at WTS, while remaining stable or showing slight increases at A65 and A20. Concentrations in 2025 remained similar to those observed in 2024 in the Impoundment. These patterns suggest that the 'reservoir effect' is diminishing, although it may be more prolonged at WTS, potentially due to colder temperatures and shorter open-water periods at higher latitudes.

The magnitude of post-impoundment increase observed at WTS is consistent with those described by Hall et al. (2008) for newly flooded reservoirs as part of the Experimental Lakes Area Reservoir Project and Flooded Uplands Dynamics Experiment programs in Ontario, but the duration of higher methylmercury concentrations in the Impoundment is longer, likely due to colder temperatures and a shorter open-water period at higher latitudes. The study by Hall et al. (2008) observed substantial increases in methylmercury concentrations in the first year following inundation, with peak concentrations occurring within two to three years, followed by a subsequent decline. Peak unfiltered methylmercury concentrations (filtered samples were not collected) in the experimental reservoirs ranged from 0.4 to 1.9 ng/L.

Evidence for downstream transport of methylmercury to Kangislulik Lake and beyond is limited, suggesting that any contribution from the Impoundment is indiscernible relative to natural variability observed in baseline/reference conditions.

Results from 2025 indicate a continued decline in mercury concentrations within the Impoundment. Ongoing monitoring under the 2026 MMP will help further confirm this trend.

In 2026, surface water samples will be collected from MMP lakes and analyzed for ultra-trace total mercury and methylmercury (filtered and unfiltered samples) as per the *Mercury Monitoring Plan* (Azimuth, 2023b).

Figure 2-1. Total mercury concentrations (ng/L) in filtered and unfiltered surface water samples in Whale Tail area lakes since 2016.

Notes: Water samples for ultra-trace mercury analyses were collected in August. Total mercury concentrations are below the 26 ng/L CCME water quality guideline for the protection of aquatic life. Total mercury concentrations in Whale Tail (south basin) are below the FEIS predicted concentration of 50 to 100 ng/L and the 16 ng/L CREMP trigger value.

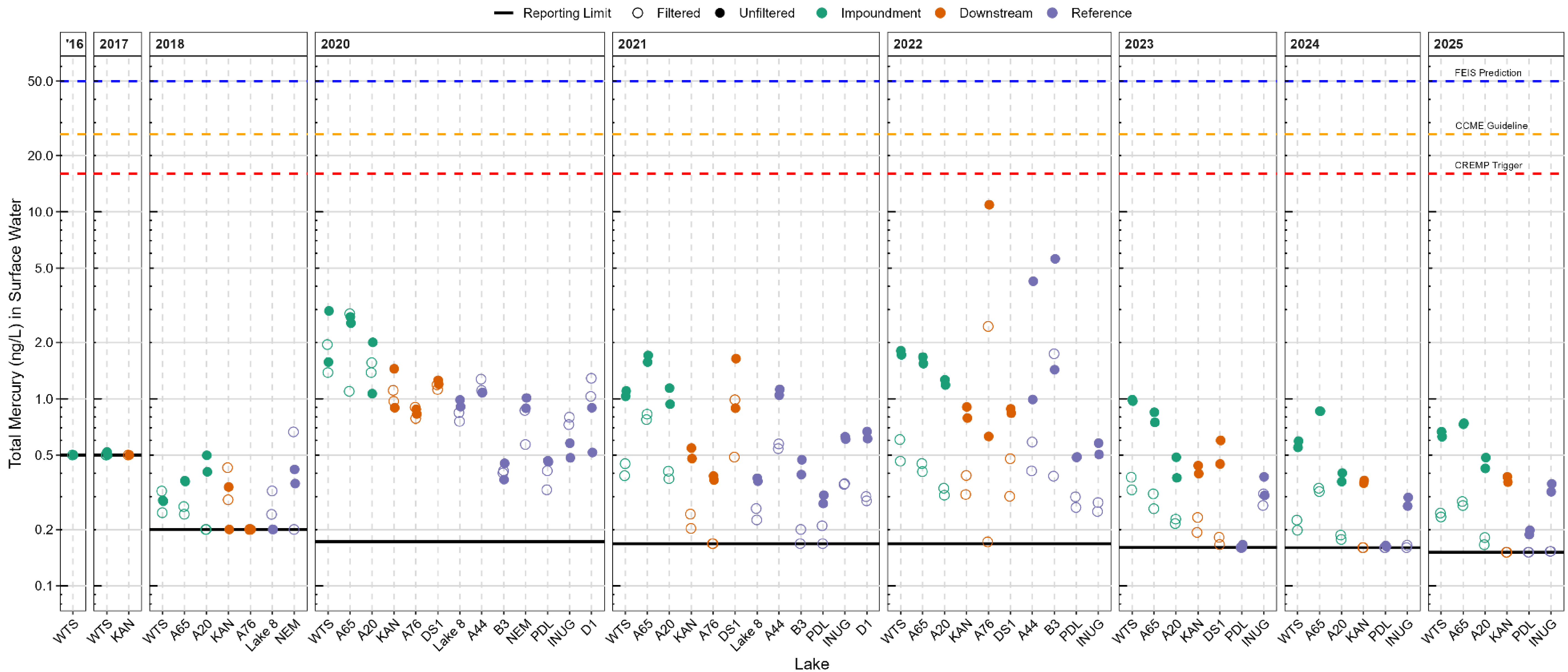


Figure 2-2. Methylmercury concentrations (ng/L) in filtered and unfiltered surface water samples in Whale Tail area lakes since 2016.

Notes: Water samples for ultra-trace mercury analyses were collected in August. All methylmercury concentrations are below the 4 ng/L CCME water quality guideline for the protection of aquatic life.

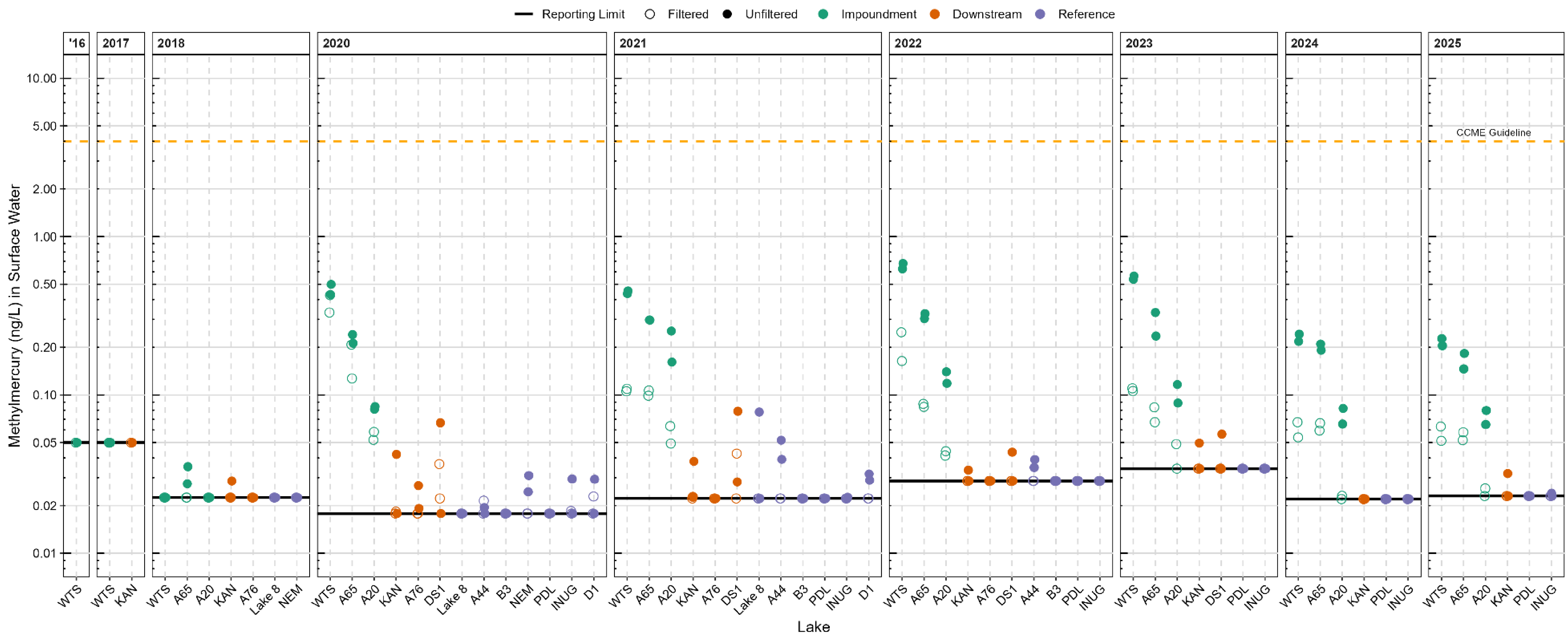
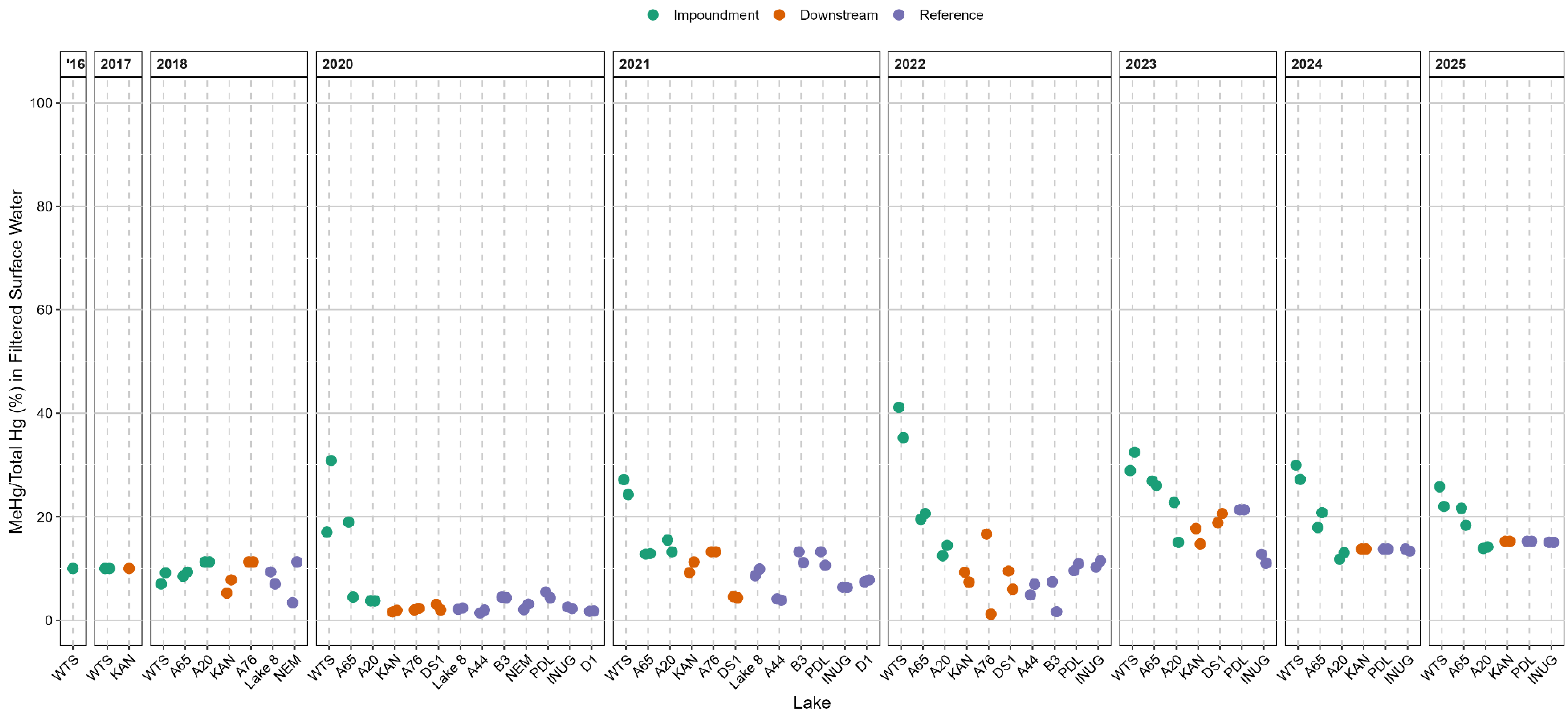


Figure 2-3. Ratio of methylmercury to total mercury (%MeHg) in filtered surface water samples in Whale Tail area lakes since 2016.

Notes: Water samples for ultra-trace mercury analyses were collected in August.



3 SEDIMENT

3.1 Key Findings for Sediment Chemistry in 2025

- Total mercury concentrations remain below the CCME sediment quality guidelines at all areas.
- Total mercury concentrations were similar to baseline/reference conditions in the depositional zones of the Impoundment and at downstream exposure area KAN.

3.2 Overview

The sediment chemistry component of the MMP consists of both grab samples and core samples. Grab samples integrate sediment chemistry across the top 3 to 5 cm to characterize conditions within the biologically active zone. Sedimentation rates in these headwater lakes are typically low, so sediment coring is done to quantify changes in sediment chemistry in the most active layer. The coring program focuses on the top 1.5 cm of sediment to track changes over time. Grab samples are collected each year as part of the CREMP and MMP at the same locations as the CREMP benthic invertebrate community samples. Sediment cores are collected every three years under the CREMP to coincide with EEM requirements under the Metal and Diamond Mining Effluent Regulations (MDMER).

3.3 Methods

A summary of sediment samples collected (grabs and cores) by location and year is provided in **Table 3-1**. Sediment grab samples were collected using a Petite Ponar (6” x 6”). Sediment was collected by lowering the grab to within 1 m of the sediment, at which point the rate of descent was slowed to minimize disruption of the surficial layer of sediment. Upon retrieval, the grab was inspected according to the acceptability criteria outlined in the standard operating procedure (SOP), namely: the absence of large foreign objects, adequate penetration depth, ensuring the grab was not overfilled, the jaws closed completely (i.e., well-sealed), and the sediment surface in the grab was undisturbed. Grabs that failed the acceptability criteria were discarded into a 20-L bucket and retained until sampling was completed at the station. The top 3 to 5 cm was collected, consistent with Meadowbank and Whale Tail CREMP protocols, and analyzed for total mercury. A total of five grab sample replicates were collected at WTS, A20, KAN, PDL, and INUG as per the *Mercury Monitoring Plan* (Azimuth, 2023b).

3.3.1 Laboratory Analysis

Sediment samples were submitted to ALS (Burnaby, BC) for analysis. The samples were transported in coolers with ice packs and shipped to ALS at the earliest convenience to minimize the possibility of exceeding the recommended hold-times between when the samples were collected and when they were analyzed.

Total mercury in sediment was analyzed by cold vapour atomic fluorescence spectrophotometry, following US EPA methods. Moisture content was determined gravimetrically.

Table 3-1. Summary of sediment chemistry samples collected for total mercury analysis.

Area/Lake	Designation	Habitat	Year									
			2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Whale Tail Lake | Impoundment†	NF	Depositional	G	G&C	G&C	G	C	G	G	C	G&C	G
		Inundation	S[1]	-	-	-	-	*	S	S	-	-
Lake A20 | Impoundment†	NF	Depositional	G	G&C	G	G	C	*	G	C	G	G
		Inundation	-	-	-	-	-	*	S	S	-	-
Lake A65 | Impoundment†	NF	Depositional	-	-	G	G	-	*	-	-	-	-
		Inundation	S[1]	-	-	-	-	*	S	S	-	-
Kangislulik Lake [2]	NF	Depositional	G	G&C	G	G	C	*	G	C	G	G
Lake A76	MF	Depositional	G	G&C	G	G	C	G	G	-	-	-
Lake DS1	FF	Depositional	G	G&C	G	G	C	*	G	-	-	-
Inuggugayualik Lake	Reference	Depositional	G	G&C	G	G	C	*	G	C	G	G
Pipedream Lake	Reference	Depositional	G	G&C	G	G	C	*	G	C	G	G
Lake 8	Reference	Depositional	-	-	G&C	G	C	-	-	-	-	-
Lake D1	Reference	Depositional	-	-	G&C	G	C	-	-	-	-	-
Lake B3	Reference	Depositional	-	-	-	-	C	-	G	-	-	-
Nemo Lake	Reference	Depositional	G	G&C	G	G	C	-	G	C	-	-

Notes:

† Minor flooding of impoundment, limited to Whale Tail (south basin). Extensive during 2019 and 2020 sampling (i.e., connectivity between impounded lakes).

[1] Soil samples collected along Whale Tail Lake shoreline in 2016 as part of baseline studies.

[2] Kangislulik Lake (KAN) was previously referred to as Mammoth Lake (MAM).

* Samples were collected but an error at the lab resulted in these samples being discarded prior to analysis. Refer to the ALS Corrective Action Report in the 2021 MMP report (see **Appendix B2** in Azimuth, 2022).

NF = near-field, MF = mid-field, FF = far-field.

"-" = data not collected as per the *Mercury Monitoring Plan* (Azimuth, 2023b).

C = Sediment core samples; G = Sediment grab samples; S = Soil samples from the shoreline area (2016) or sediment samples from the inundated area (2019–2023).

Shading indicates the status of the lake:

blue = baseline and reference areas (Control designation).

orange = post flooding (Impact designation).

Refer to tabulated data in **Appendix B1** for the number of samples collected at each area.

3.4 Quality Assurance / Quality Control

3.4.1 Field QA/QC

For field QA, field staff implemented precautions to avoid cross-contamination between sampling areas by rinsing and cleaning the sediment sampling gear (Petite Ponar grab, stainless steel bowls, and spoons) using site water and phosphate-free cleaning detergent.

In 2025, eight field duplicates were collected, making up approximately 10% of sediment grab samples to characterize spatial heterogeneity and to assess consistency in field methodology. All field QC results are provided in Appendix B of the 2025 CREMP report (Azimuth, 2026).

Field duplicate RPD data quality objectives (DQOs) were set at 1.5-times the laboratory DQOs (i.e., 1.5 x 40% for total mercury). The RPDs met the DQOs for total mercury. The field duplicate results indicate good field collection methods and a high degree of replicability in sampling.

3.4.2 Laboratory QC

The laboratory QC program for total mercury analysis in sediment was completed as part of the 2025 CREMP (Azimuth, 2026). The laboratory QC program consisted of laboratory duplicates, method blanks, and certified reference materials (CRM) or laboratory control samples (LCS). The distinction between the latter two types is that CRMs are commercially available while LCSs are prepared by the laboratory.

The laboratory QC assessment completed by ALS indicated the 2025 sediment quality data were typically within the established DQOs. In the few instances where a DQO was exceeded, the laboratory concluded the results were reliable and fit for use in the sediment quality assessment (see Appendix B in Azimuth, 2026).

3.5 Results and Discussion

Total mercury concentrations in sediment samples collected from 2016 to 2025 are shown in **Figure 3-1**. Tabulated sediment mercury results are provided in **Appendix B1**.

Total Mercury

- **Screening Assessment**. Total mercury concentrations were below the CCME interim sediment quality guideline (ISQG) of 170 µg/kg dry weight (dw) in all samples collected in 2025.
- **Baseline/reference conditions.** Total mercury concentrations varied spatially across lakes during the baseline sampling period. Between 2016 and 2018, clear patterns were evident, with reference lakes NEM, PDL, and INUG consistently having lower total mercury concentrations in sediment compared to the Impoundment and downstream areas (i.e., generally less than 50 µg/kg dw in reference areas). This pattern was still evident at reference areas in 2025.

- **Impoundment post-inundation.** There were no appreciable temporal patterns in WTS or A20 relative to the creation of the Impoundment. In 2025, total mercury concentrations in the depositional zone samples were consistent with baseline conditions.
- **Downstream post-inundation.** Consistent with the Impoundment results, at downstream Lake KAN there were no temporal patterns apparent for total mercury post-inundation.

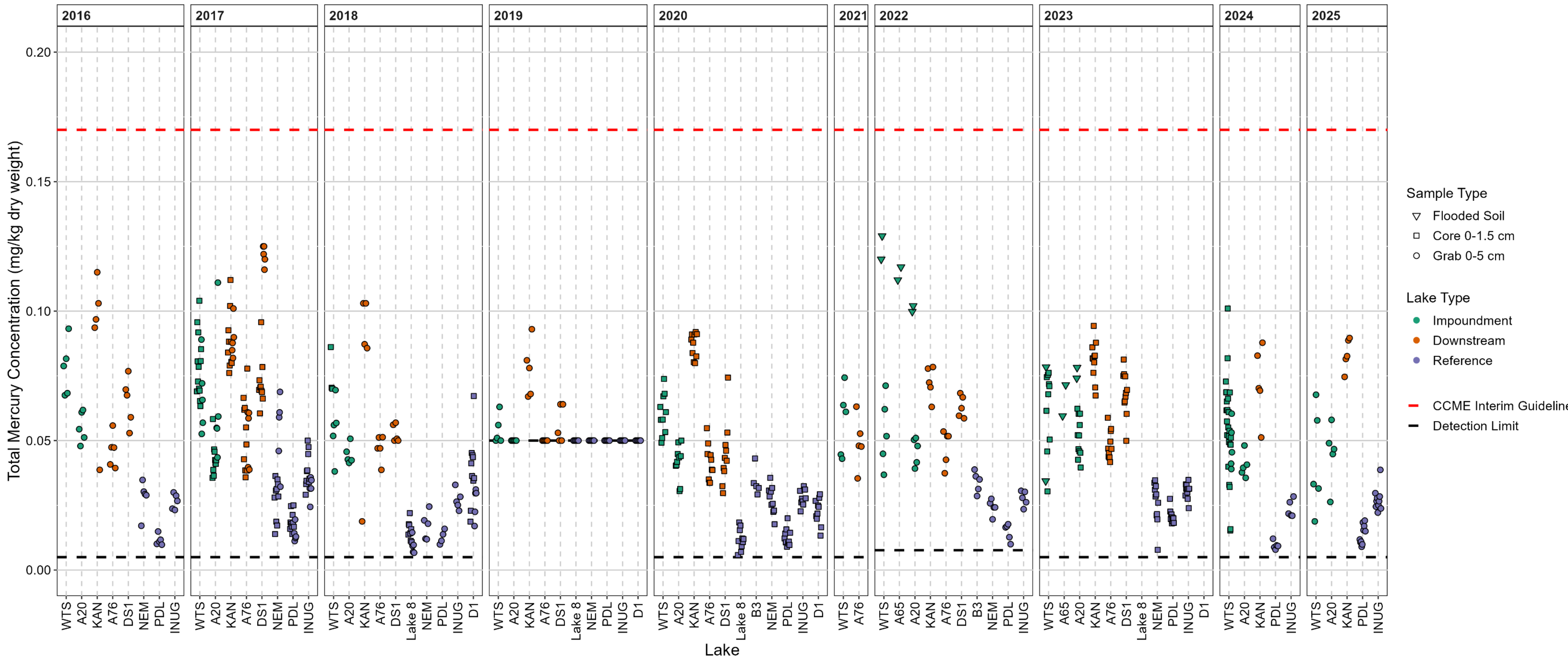
3.6 Sediment Chemistry Summary

In 2025, sediment samples were collected from the depositional areas in the MMP area lakes. Total mercury concentrations were below the CCME sediment quality guidelines in every sample. Total mercury concentrations in the depositional zones of the Impoundment as well as downstream exposure area KAN in 2025 were similar to baseline/reference conditions.

In 2026, sediment will be collected in the MMP area lakes as per the *Mercury Monitoring Plan* (Azimuth, 2023b). Sediment cores from depositional zones in the MMP area lakes and sediment samples from the inundation zone will be collected and analyzed for total and methylmercury.

Figure 3-1. Total mercury (µg/kg dry weight) in sediment samples from Whale Tail area lakes since 2016.

Notes: All data in figure are shown on a log-scale. All total mercury concentrations are below the 170 µg/kg dry weight CCME interim sediment quality guideline for the protection of aquatic life (red dashed line) and below the 486 µg/kg dry weight CCME probable effect level (not shown in figure).



4 SMALL-BODIED FISH

4.1 Key Findings for Small-bodied Fish

- Due to laboratory delays, Slimy Sculpin and Ninespine Stickleback collected in 2024 were only processed and analyzed for total mercury and stable isotope analysis in 2025.
- Both small-bodied fish species in the Impoundment showed marked increases in tissue mercury concentrations in 2020 that persisted through 2024.
- For Slimy Sculpin, tissue mercury concentrations in 2024 increased, with the magnitude of change more pronounced in WTS than in A20.
- For Ninespine Stickleback, tissue mercury concentrations appear to be stabilizing throughout the Impoundment based on results from 2024.
- Stable isotope results indicate a shift in the carbon signatures following inundation, particularly at WTS. $\delta^{13}C$ values became more negative between 2018 and 2021, and remained depleted relative to baseline in 2023 and 2024, particularly for Slimy Sculpin. This shift likely reflects fish feeding on benthic or detrital prey that incorporate $\delta^{13}C$-depleted carbon derived from newly flooded terrestrial organic matter.
- Higher $\delta^{15}N$ values in 2024 may reflect differences in nitrogen isotopic composition between inundated habitats and areas that remained aquatic habitat, shifts in prey availability during habitat colonization (e.g., fish feeding higher in the food chain), or a combination of both.

4.2 Overview

Small-bodied fish are not a core component of the MMP and their collection is not required under the *Mercury Monitoring Plan* (Azimuth, 2023b). Slimy Sculpin and Ninespine Stickleback sample collection in 2024 was elective and completed to track concentrations of total mercury in small-bodied fish. Due to delays in processing and analyzing small-bodied fish collected in 2024, results of the small-bodied fish sampling program were obtained in 2025 and are presented herein.

Total Mercury

For this report, all measured total mercury in fish is conservatively assumed to be methylmercury. This is generally the case for large, predatory species, in which approximately 95% of the total mercury measured in fish consists of methylmercury (Bloom, 1992). Smaller, non-predatory species of freshwater fish may have a lower fraction of methylmercury relative to total mercury (Lescord et al, 2018).

However, given that these fish typically have much lower total mercury concentrations than large, predatory species, the lower methylmercury fraction is less important to consider.

Stable Isotopes

Stable isotope analysis (SIA) provides insight into trophic position (i.e., how high in the food chain a fish is feeding; $\delta^{15}N$) and the dominant energy pathway supporting the diet (i.e., does a fish feed more from the water-column [pelagic] pathway or from the bottom substrate [benthic] pathway; $\delta^{13}C$). Depending on mercury distribution in the food web and how it evolves, changes in feeding ecology affecting trophic position or energy pathway can lead to corresponding changes in mercury concentrations in fish tissues. This effect is likely to be more pronounced within the Impoundment following flooding, as terrestrial habitats transition to aquatic habitats. Understanding spatial and temporal patterns in feeding ecology may therefore help explain observed patterns of mercury bioaccumulation.

4.3 Methods

4.3.1 Field Methods

Sample Collection

Fish were collected in 2024 by backpack electrofishing wadable areas of the shoreline at WTS and A20. Slimy Sculpin and Ninespine Stickleback can have different habitat preferences and the increase in lake elevation in the Impoundment resulted in shifts in catch-per-unit-effort (CPUE) for each species in Lake A65 and Lake A20. Before flooding, Slimy Sculpin were easier to catch (higher CPUE) than Ninespine Stickleback. This changed in 2019, when it became relatively easier (higher CPUE) to catch Ninespine Stickleback in the A65 and A20 basins of the Impoundment. The difference in CPUE is most likely related to differences in accessible, wadable habitat. Given the uncertainty regarding potential population-level changes to either of the species, both were retained in the study after inundation to ensure that temporal trends could be tracked.

Sample Selection for Mercury Analysis

Ninespine Stickleback and Slimy Sculpin samples collected for total mercury analysis were selected after reviewing the length distributions for each species. Size classes with sufficient sample numbers across collection years and lakes were selected to allow comparisons of spatial and temporal tissue mercury concentrations. For Ninespine Stickleback, two size classes were identified; samples between 30-39 mm and between 40-49 mm were selected. For Slimy Sculpin, which had a more consistent distribution of samples among lakes/years, up to ten samples targeting year-1 fish (i.e., total lengths between 27-45 mm) were selected. Ten samples of each species from each area (A20 and WTS) were submitted for mercury and stable isotope analysis in 2024 (**Table 4-1**).

4.3.2 Laboratory Methods

Slimy Sculpin and Ninespine Stickleback samples collected in 2024 were processed by North South Consultants. Standard operating procedures for processing small-bodied fish were provided to the laboratory to ensure consistency across laboratories and years.

In 2024, after removing the viscera and otoliths, fish carcasses were placed in Whirlpak® bags and shipped frozen to Biotron at the University of Western Ontario. Due to the minimum weight requirements for total mercury analysis and SIA, some samples required being composited prior to homogenization (see **Appendix C1** for a list of samples composited in 2024). Due to delays at Biotron, ALS laboratory was selected to process and analyze the small-bodied fish samples. Biotron shipped the frozen fish samples to ALS in Burnaby. Upon arrival at the laboratory, carcasses were weighed, then homogenized. For total mercury analysis, homogenized samples were digested with nitric acid, hydrochloric acid, and hydrogen peroxide. Analysis is by Cold Vapor Atomic Absorption Spectroscopy (CVAAS) as per United States Environmental Protection Agency (US EPA) method 200.3/1631 Appendix (US EPA, 2001). Moisture content was determined gravimetrically by drying samples at <60°C for a minimum of three days until a constant weight was achieved. Moisture content was calculated as the percentage of weight loss during drying relative to the sample's wet weight.

Subsamples of the homogenized samples were submitted for SIA at the Stable Isotopes in Nature Laboratory (SINLAB) at the University of New Brunswick. Measurements of 13C and 15N isotopes were determined through combustion conversion of sample material to gas through three elemental analyzers, a 4010 Elemental Analyzer (Costech Instruments, USA), a CE NC2500 (Carlo Erba; Italy), and a FlashEA 1112 (Thermo-Fisher Scientific; USA). A complete description of the analytical method, including analytical precision, reference materials, and QA/QC procedures is available on the SINLAB website[9].

4.3.3 Data Analysis

The small-bodied fish total mercury and stable isotope raw data are tabulated in **Appendix C1**.

Mercury

Whole-body (carcass) total mercury concentrations for each species were plotted across all years and areas sampled as follows:

- Mercury concentrations by year, and
- Mercury concentrations by length (mm).

[9] https://www.isotopeecology.com

Mercury concentrations within the context of the stable isotope data are discussed in the following section.

Stable Isotopes

Stable isotope analysis[10] (SIA) was done on a subset of the small-bodied fish submitted for mercury analysis to understand the feeding relationships among and within species and across the sampling areas. Stable isotopes[11] are slightly different types of the same element (light and heavy) that are stable in the environment. Both types participate in chemical and biological reactions, but at different rates, which leads to patterns in the ratios of these isotopes in the environment. The ratios of carbon and nitrogen, two principal elements in biological tissue, can be used to quantify the feeding ecology of fish.

Nitrogen isotopes are used to determine the trophic position of consumers in aquatic systems (i.e., where they are within the food chain). With each increasing trophic level in the food chain, organisms become more enriched in the stable isotope nitrogen-15 ($\delta^{15}N$). For example, the $\delta^{15}N$ value in a mature Lake Trout that eats other fish will be higher than in a Slimy Sculpin or Ninespine Stickleback that mostly eat invertebrates. Fish typically change their diet as they grow and tend to feed at higher trophic positions as they get larger. As trophic levels increase, i.e., as the relative position of a fish in the food chain increases, the $\delta^{15}N$ values increase. The length-$\delta^{15}N$ relationship essentially shows how feeding preferences affect mercury concentrations in fish tissue. Therefore, we expect higher tissue mercury concentrations in fish that feed higher in the food chain.

Carbon isotopes ($\delta^{13}C$) trace the flow of energy, and therefore the flow of mercury, through food webs. Carbon isotopes can be used to determine whether fish are feeding more from the benthic or pelagic food webs. Fish that feed within the benthic food web are more enriched in $\delta^{13}C$, whereas fish that feed primarily within the pelagic food web will be less enriched in $\delta^{13}C$. The results of the SIA analysis are provided in **Section 4.5**.

4.4 Quality Assurance/Quality Control

Data quality was assured throughout sample analysis using specified standardized procedures, using laboratories that have been certified for all applicable methods, and staffing the program with experienced field sampling technicians. Samples were collected according to standard care and QA/QC procedures.

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[10] Stable isotope analysis is not a core component of the MMP.

[11] Isotope ratios are represented by the symbol δ, which is the Greek letter delta and is often used to signify difference. In this case, delta refers to the isotopic ratio of sample relative to that of a standard reference material. Units are ‰, which is per mil or parts per thousand.

4.4.1 Sample Shipping and Handling

Whole fish samples were placed in individual Whirl-Pak® bags, labeled with sample ID and date, and placed in a freezer in the field. Samples were placed in coolers with ice during shipment to the laboratory.

In 2024, during transport to the laboratory for dissection, fish samples thawed completely. Laboratory personnel observed tissue degradation in a subset of specimens, including partially degraded ventral skin that results in the release of some of gastrointestinal contents (Pers. Comm. Rochelle Gnanapragasam, October 4, 2024). Although technicians removed the gastrointestinal tract, trace amounts of residual material may have remained on some carcasses. To minimize the risk of potential contamination, each fish was rinsed with deionized water prior to dissection, and carcasses were placed in clean bags after the head and gastrointestinal tract were removed. Given these precautionary measures to minimize cross-contamination, we do not expect that sample thawing would meaningfully affect the total mercury or stable isotope results.

4.4.2 Laboratory QC

The ALS laboratory QC program consisted of method blanks and certified reference materials (CRM) or laboratory control samples (LCS). The distinction between the latter two types is that CRMs are commercially available while LCSs are prepared by the laboratory.

The laboratory QC assessment completed by ALS indicated the small-bodied fish tissue total mercury and moisture data were within the established DQOs. All data were retained for analysis.

Detection limits for total mercury were elevated compared to the lowest reported detection limit (0.002 mg/kg ww) for several samples, ranging from 0.0021 to 0.0405 mg/kg ww. However, measured concentrations in these samples were at least ten times higher than their respective detection limits, and therefore the elevated detection limits are not expected to affect the interpretation of the results.

The SINLAB QC program consisted of the following:

- **Secondary reference materials**. These materials have had their stable isotope compositions measured and calibrated with high precision against primary reference standards;
- **Certified standard materials**. Materials that have been rigorously calibrated against secondary reference materials by a commercial laboratory or distributor; and
- **Working standards**. In-house reference materials that have been calibrated against, and are traceable to, International Atomic Energy Agency (IAEA) reference materials (e.g., CH7 and N2). As part of SINLAB's QA/QC program, these standards are tested to verify their accuracy and consistency.

The laboratory QC assessment completed by SINLAB indicated the small-bodied SIA data were within the established DQOs. All data were retained for analysis.

4.5 Results and Discussion

The fish mercury and SIA data were plotted to highlight key spatial and temporal trends, as follows:

- Total mercury concentrations by year, species, and sampling area are shown in **Figure 4-1**. This plot highlights temporal trends in tissue mercury across the Impoundment, downstream exposure areas, and reference lakes.
- Total mercury concentrations by year, species, size, and sampling area are shown in **Figure 4-2**. This plot explores the influence of fish size on mercury concentrations. While efforts were made to collect similar fish sizes for each species across years and locations, this was not always possible.
- Stable isotope results by year, species, and sampling area are shown in **Figure 4-3**. This plot shows temporal and spatial trends in isotopic signatures that reflect potential changes in feeding ecology that could help explain mercury bioaccumulation patterns.
- Stable isotope results by year, species, and area with the point outline showing the associated mercury concentration are shown in **Figure 4-4**. This plot simultaneously looks at changes in feeding ecology and mercury concentrations to visualize how feeding ecology may affect mercury concentrations.

Mercury and stable isotope results are presented and discussed below.

Total Mercury

Baseline/reference conditions. Tissue mercury concentrations in both species were generally less than 0.05 mg/kg wet weight (ww; **Figure 4-1**). Slightly higher concentrations were observed intermittently, typically remaining below 0.1 mg/kg ww. For example, in some Slimy Sculpin from Lake D1 in 2020 and Lake 8 in 2023 and in some Ninespine Stickleback from Lake A44 in 2021.

Impoundment post-inundation. Results from the 2024 small-bodied fish sampling program demonstrate that mercury concentrations in forage fish from the Impoundment areas (WTS, A65, and A20) have not peaked. The increasing trend is clearly evident for Slimy Sculpin inhabiting former south basin of Whale Tail Lake. Within the Impoundment, Slimy Sculpin from WTS had higher mercury concentrations than Slimy Sculpin from A20 and A65. Mercury concentrations for Ninespine Stickleback appear to be stabilizing throughout the Impoundment, potentially reflecting differences in food web dynamics (more below). No strong size-mercury relationships were observed for either species (**Figure 4-2**).

Overall, the temporal pattern of increasing mercury concentrations in forage fish is consistent with post-inundation trends in surface water methylmercury concentrations and published literature. In the Experimental Lakes Area Reservoir Project (ELARP) experimental reservoir study in Ontario, mercury concentrations in small-bodied fish increased two to three times following inundation (Bodaly and Fudge, 1999).

Downstream post-inundation. Tissue mercury concentrations downstream of the Impoundment do not appear to have changed appreciably. Slimy Sculpin mercury concentrations in KAN have remained stable since 2018 and fairly consistent with the reference lakes. Mercury concentrations in Slimy Sculpin at KAN in 2023 were slightly higher than seen in previous years, but the magnitude of change was similar to what was observed at reference Lake 8 (**Figure 4-1**), suggesting that the change is likely related to environmental variability. No small-bodied fish were collected from KAN in 2024.The temporal trend for small-bodied fish mercury concentrations in KAN is consistent with the surface water methylmercury results that showed negligible impact from the Impoundment on mercury concentrations downstream (**Figure 2-2**).

Stable Isotopes

Stable isotopes provide insights into feeding ecology that can help explain patterns of mercury bioaccumulation in fish.

Baseline/reference conditions. As described in **Section 4.1**, there are some general differences in feeding ecology between Slimy Sculpin and Ninespine Stickleback. Slimy sculpin lack a swim bladder, which prevents them from achieving neutral buoyancy in the water column. As a result, they remain closely associated with the substrate, where they forage for prey along the bottoms of lakes and streams. Ninespine Stickleback are a pelagic species that forages primarily within the water-column (Scott and Crossman, 1973). Ninespine Stickleback are known generalists, feeding on zooplankton or benthic invertebrates opportunistically (Laske et al. 2022). The stable isotope results from the reference lakes where both were sampled (A44 and B3) corroborate this pattern (**Figure 4-3**), with more enriched (higher) $\delta^{13}C$ for Slimy Sculpin compared to Ninespine Stickleback. The pattern is less evident at WTS, where there was only a slight difference in $\delta^{13}C$ between the two fish species. Lastly, there are no obvious patterns in tissue mercury concentrations related to stable isotopes at the reference lakes or during the baseline period (**Figure 4-4**).

Impoundment post-inundation. The stable isotope results for the Impoundment show two interesting trends:

1. A shift toward more negative $\delta^{13}C$ values was observed at WTS between 2018 and 2021 (**Figure 4-3**). This shift was particularly evident for Slimy Sculpin, which exhibited progressively less enriched $\delta^{13}C$ values between 2018 and 2020. By 2023 and 2024, both species showed $\delta^{13}C$

values near -28‰, similar to values often associated with pelagic carbon sources. However, rather than indicating a shift toward pelagic feeding, these results likely reflect increased $\delta^{13}C$-depleted terrestrial organic matter incorporated into the aquatic food web following inundation. In this scenario, benthic invertebrates assimilate detrital carbon from flooded terrestrial material and small-bodied fish subsequently incorporate this depleted carbon source through consumption of benthic prey. Ninespine Stickleback at WTS exhibited $\delta^{13}C$ signatures similar to those observed in reference lakes A44 and B3 sampled in previous years. In contrast, Slimy Sculpin at WTS in 2023 and 2024 showed $\delta^{13}C$ values (~ -28‰) that were more depleted than those observed in reference lakes where benthic-feeding fish typically exhibit $\delta^{13}C$ values between approximately -24‰ and -20‰.

2. As observed in previous years, $\delta^{15}N$ values generally increased from A20 to A65 to WTS, reflecting spatial differences in the isotopic composition of nitrogen that existed prior to inundation (**Figure 4-3**). Because $\delta^{15}N$ values propagate through the food web (Heuvel et al. 2023), such baseline differences need to be considered when interpreting the spatial variation in tissue mercury concentrations within the Impoundment.
3. Starting in 2023, $\delta^{15}N$ values in the Impoundment were higher than in previous years for both fish species. Similar to the changes observed for $\delta^{13}C$, these higher values may reflect differences in the isotopic composition of nitrogen between the inundated habitat and areas that remained aquatic habitat. These differences may also reflect changes in feeding patterns associated with the relative prey availability as inundated habitats are colonized (e.g., fish feeding higher in the food chain), or a combination of changes in isotopic composition and feeding.

Downstream post-inundation. No small-bodied fish samples were collected from KAN in 2024. In 2023, there was a slight shift to higher $\delta^{15}N$ values for Slimy Sculpin at KAN. This change was not observed in reference areas and could affect mercury bioaccumulation. However, tissue mercury concentrations and surface water methylmercury concentrations did not change appreciably in 2023 or 2024 compared to baseline.

4.6 Small-bodied Fish Summary

Small-bodied fish (Slimy Sculpin and Ninespine Stickleback) have been included in the MMP to track temporal and spatial patterns in mercury at a key step in the food chain that ultimately influences mercury concentrations in large-bodied fish. Small-bodied fish monitoring is not required under the *Mercury Monitoring Plan* (Azimuth, 2023b); however, results from small-bodied fish provide important insight into how the northern ecosystem is responding to the creation of the Impoundment. This information is particularly important for understanding the trajectory of the ‘reservoir effect’, including when mercury concentrations in fish may be expected to start decreasing.

Small-bodied fish were collected in 2024, however, laboratory delays resulted in analytical results being received in June 2025. Both small-bodied fish species in the Impoundment showed marked increases in tissue mercury concentrations in 2020 that persisted through 2024. In 2024, tissue mercury concentrations were higher in Slimy Sculpin in the Impoundment, a pattern that was more pronounced in WTS than in A20. Temporal patterns for Ninespine Stickleback suggest that conditions may have stabilized, as tissue mercury concentrations neither continued to increase sharply nor showed clear signs of returning to baseline levels.

The supplemental small-bodied fish mercury study is not planned for 2026 as per the *Mercury Monitoring Plan* (Azimuth, 2023b).

Table 4-1. Summary of small-bodied fish samples submitted for total mercury analysis.

Area/Lake	Designation	Ninespine Stickleback							Slimy Sculpin						
		Year†							Year†						
		2018	2019	2020	2021*	2023§	2024**	2025	2018	2019	2020	2021*	2023	2024**	2025
Whale Tail Lake |Impoundment	NF	8	6	10	5	23	10	-	5	5	5	10	10	10	-
Lake A20 | Impoundment	NF	2	10	10	5	6	10	-	5	-	5	5	9	10	-
Lake A65 | Impoundment	NF	-	10	10	2	-	-	-	5	-	5	5	-	-	-
Kangislulik Lake	NF	1	2	4	5	-	-	-	5	5	5	5	10	-	-
Lake 8	Reference	-	-	-	-	-	-	-	5	-	5	5	10	-	-
Lake A44	Reference	-	-	1	4	-	-	-	-	5	5	5	-	-	-
Lake B3	Reference	-	-	1	5	-	-	-	-	-	5	10	-	-	-
Lake D1	Reference	-	-	-	-	-	-	-	-	-	5	-	-	-	-

Notes:
† Minor flooding in the Impoundment was limited to Whale Tail (south basin). Extensive flooding during 2019 and 2020 sampling (i.e., connectivity between WTS, A65, and A20).
* Due to delays in processing and analysis, 2021 small-bodied fish mercury results were only received in January 2023 and were included in the 2022 MMP report (Azimuth, 2023).
** Due to delays in processing and analysis, 2024 small-bodied fish mercury results were only received in June 2025. These results are included in the 2025 MMP report.
§ Ninespine stickleback were only captured from Whale Tail (south basin) and Lake A20 in 2023.
NF = Near-field.
blue = baseline and reference areas (Control designation)
orange = post flooding (Impact designation)
Numbers given indicate the number of fish collected and submitted for analysis. "-" means no sample was collected as per the *Mercury Monitoring Plan* (Azimuth, 2023b).

Figure 4-1. Fish tissue mercury concentrations (mg/kg ww) in Ninespine Stickleback (NSSB) and Slimy Sculpin (SLSC) collected at Whale Tail area lakes, 2018–2024.

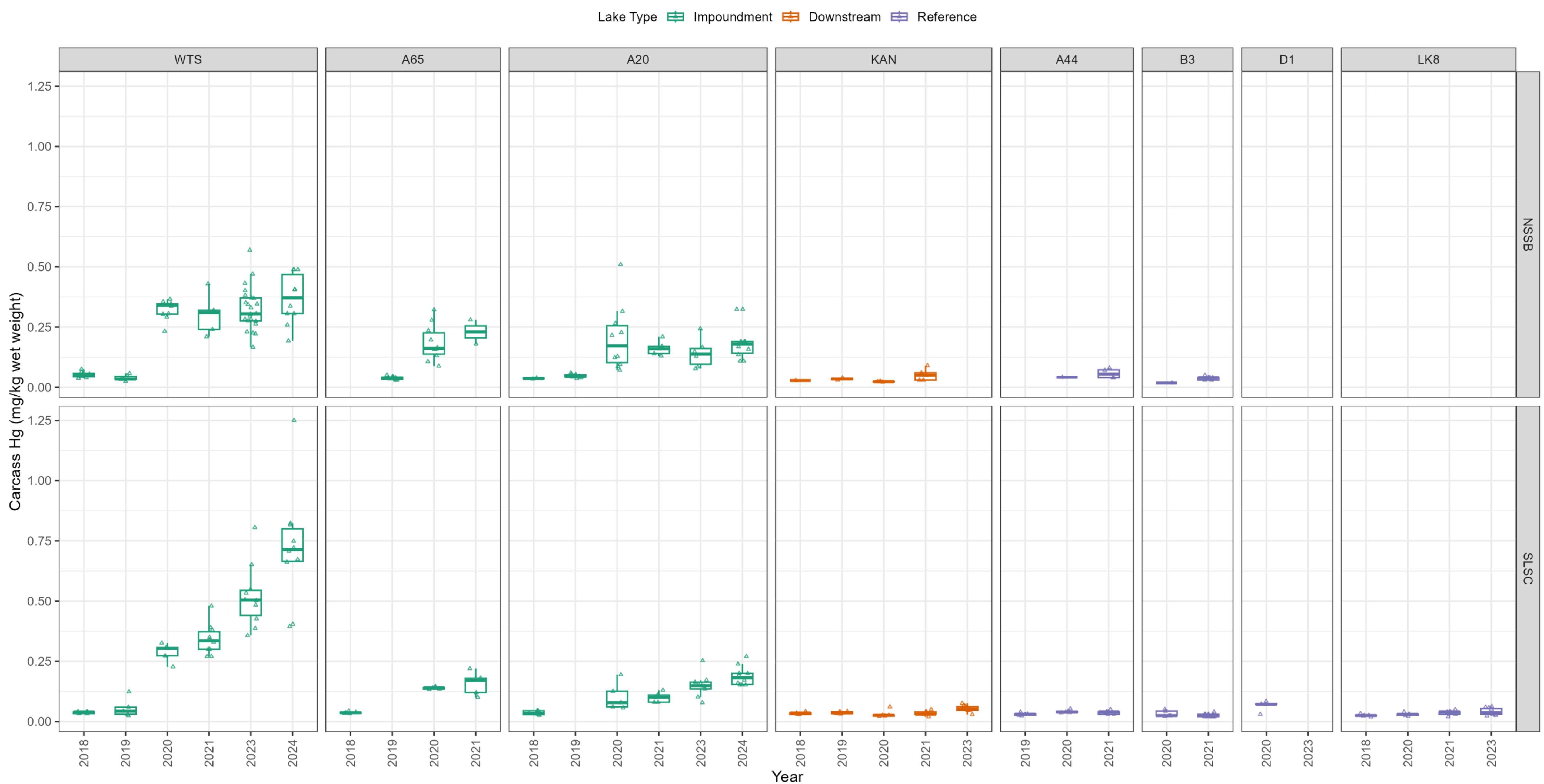


Figure 4-2. Fish tissue mercury concentrations (mg/kg ww) and fish sizes (length; mm) for Ninespine Stickleback (NSSB) and Slimy Sculpin (SLSC) collected at Whale Tail area lakes, 2018–2024.

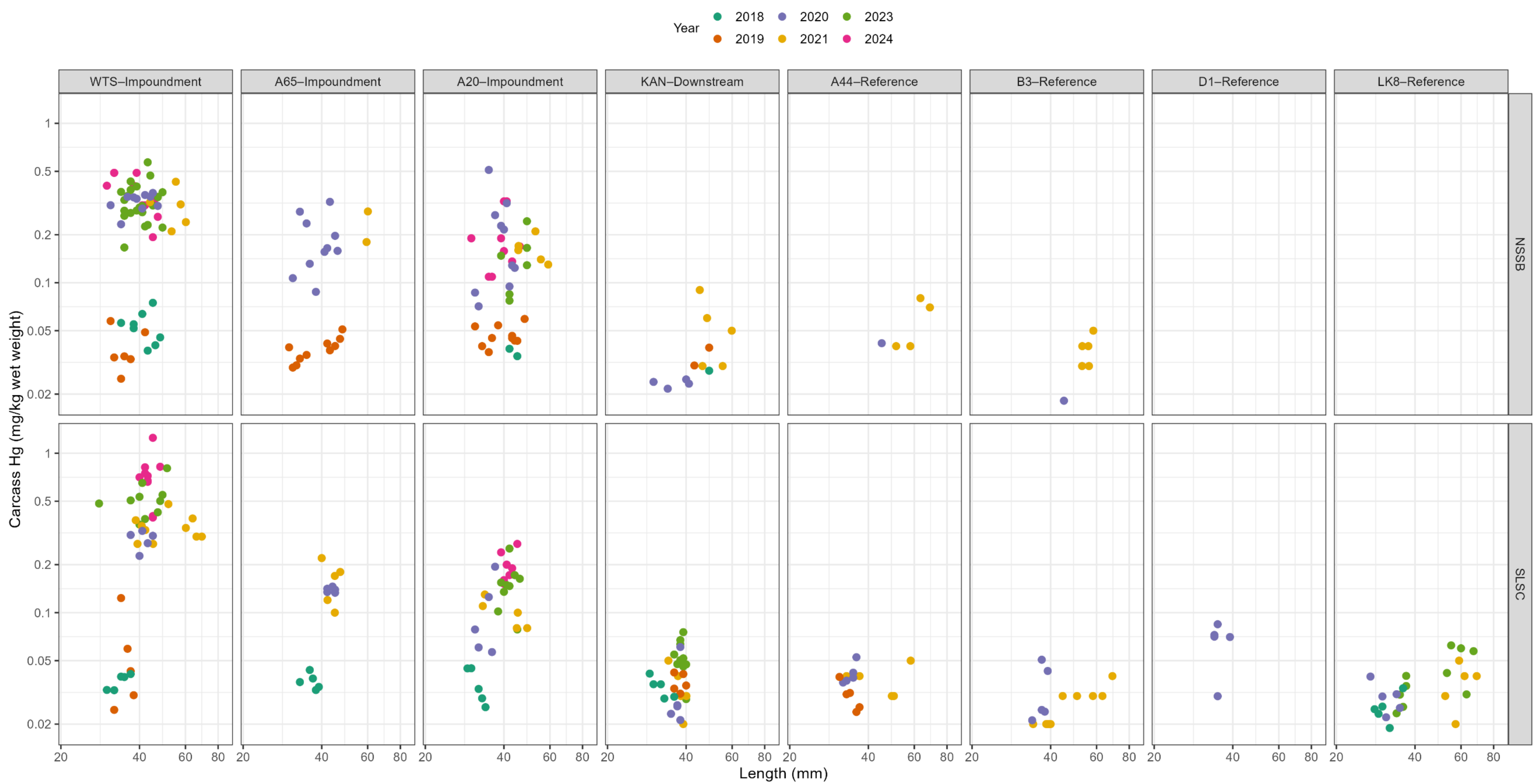


Figure 4-3. Mean $\delta^{15}N$ and $\delta^{13}C$ signatures (± standard deviation), of Ninespine Stickleback (NSSB) and Slimy Sculpin (SLSC) collected at Whale Tail area lakes, 2018–2024.

Note: The x-axis and y-axis scales are in parts per thousand (‰).

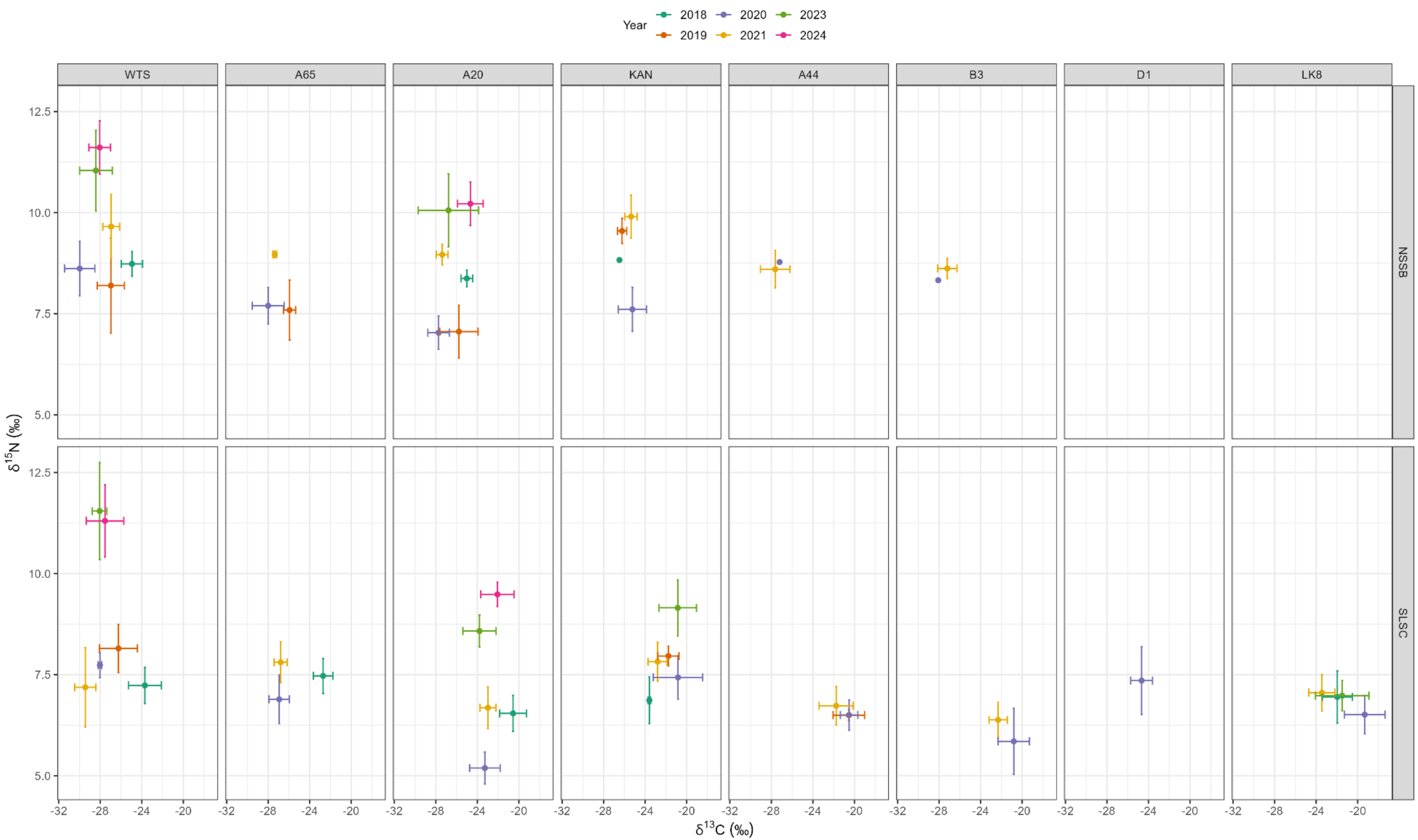
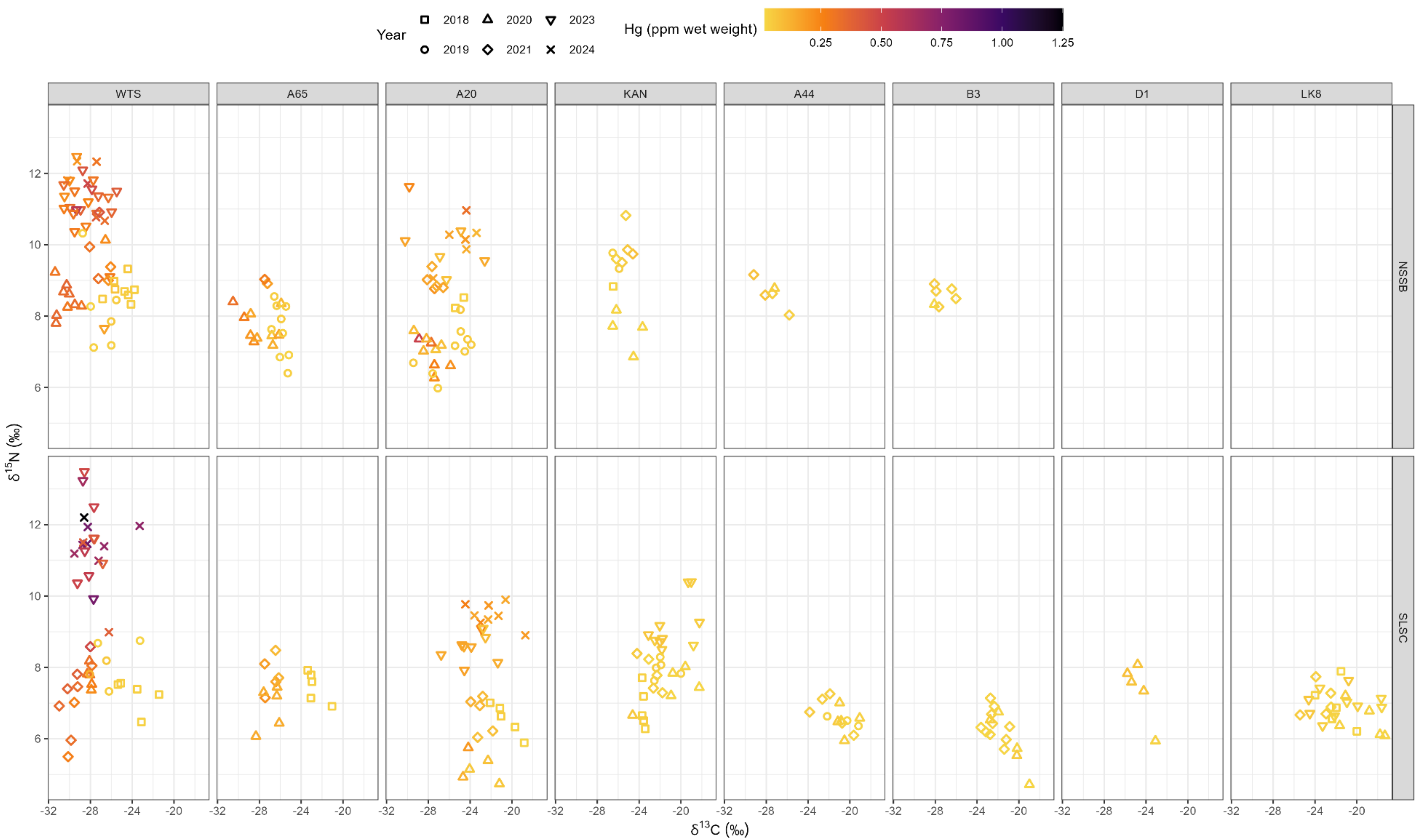


Figure 4-4. Stable isotope δ[15]N and δ[13]C signatures and mercury concentrations in tissue from Ninespine Stickleback (NSSB) and Slimy Sculpin (SLSC) collected at Whale Tail area lakes, 2018–2024.



5 LARGE-BODIED FISH

Lake Trout are the target species for monitoring changes in large-bodied fish for the MMP. Large-bodied fish tissue sampling is completed on a three-year cycle, coinciding with the EEM biological monitoring program. An overview of the fish sampling events for the MMP to date is provided in **Appendix C2**. **No Lake Trout were collected in 2025.**

In 2023, there was a notable increase in mercury concentrations of Lake Trout from Whale Tail Lake, although the size-adjusted concentration remained within the predicted peak mercury level. While not required under the design plan, additional Lake Trout were collected from Whale Tail Lake in 2024 to monitor mercury concentrations in large-bodied fish.

While not originally planned for 2024 (Azimuth, 2023b), Lake Trout sampling was conducted in the Impoundment to verify the 2023 results. This adaptive management effort aimed to continue monitoring mercury levels in Lake Trout, which increased to near the predicted peak mercury concentration in 2023. Size-adjusted concentration (550-mm fork length) was slightly higher in 2024 compared to the result obtained in 2023, suggesting that relative increases of mercury concentrations in Lake Trout have slowed down. The 2024 results were marginally higher than the predicted peak tissue mercury value for 550-mm Lake Trout, however, they remain below its upper confidence limit.

The MMP has committed to implementing further risk-based analyses if measured fish tissue mercury concentrations in the Impoundment exceed the predicted peak mercury concentration for Lake Trout (Azimuth, 2019).

No MMP-related risk management measures are currently required. The next Lake Trout sampling event is planned for 2026 as per the *Mercury Monitoring Plan* (Azimuth, 2023b).

6 SCOPE OF THE 2026 MMP

The core elements of the MMP are water, sediment, and large-bodied fish chemistry (Lake Trout). The scope of the 2026 MMP, as outlined in the *Mercury Monitoring Plan* (Azimuth, 2023b), is summarized in **Table 6-1**.

Small-bodied fish were initially included in the MMP as part of a multi-year study investigating productivity within the Whale Tail Lake Impoundment by the University of Waterloo (2018–2021). While not a mandatory component of the MMP, the supplemental studies conducted in 2023 and 2024 provided valuable insight into mercury uptake in forage fish and served as an early indicator of temporal trends relevant to Lake Trout.

Table 6-1. Monitoring components planned for the 2026 MMP.

Component		Impoundment			Downstream [1]			Reference [2]	
		WTS	A20	A65	KAN	A76	DS1		
Core MMP Components	Water	✓	✓	✓	✓			✓	✓
	Sediment Depositional Grabs	✓	✓		✓	✓	✓	✓	✓
	Sediment Depositional Cores	✓	✓		✓			✓	✓
	Sediment - Inundation	✓	✓	✓					
	Lake Trout	✓						✓	✓
Supplemental Studies	Small Bodied Fish								

Notes:

1. Kangislulik Lake (KAN) was previously referred to as Mammoth Lake (MAM).

2. Sampling includes at least two of the following reference areas: INUG, PDL, Lake 8, Lake 1, Lake B3, A44.

blue = baseline and reference areas (Control designation)

orange = post flooding (Impact designation).

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APPENDICES

APPENDIX A
WATER DATA

APPENDIX A1

2025 LABORATORY DATA

Western Biotron Experimental Climate Change Research

University of Western Ontario - Analytical Services

Marianna DiMauro		Date of Receipt:	August 20, 2025
Agnico Eagle mine c/o Azimuth Consulting Group		COC no.:	n/a
218 - 2902 West Broadway			
Vancouver, BC, V6K 2G8		Report ID:	2025-08-007

Via email: mdimauro@azimuthgroup.ca; imcivor@azimuthgroup.ca; efranz@azimuthgroup.ca; meadowbank.environment@agnicoeagle.com

CERTIFICATE OF ANALYSIS

Sample type & number of samples: 4 water samples;

The following analytical analyses were requested: 4 Unfiltered THg (water) & MeHg (water); 4 Filtered THg (water) & MeHg (water).

TM.0811 THg (Tekran model 2600) Water

1. R^2: > 0.9975
2. IPR & OPR avg: 98% & 102%
3. Recovery QCS avg: 88%
4. Recovery MS & MSD avg: 99% & 98%
5. RPD in Sample Duplicates avg: 7%
6. RPD in MS & MSD avg: 2%
7. MDL: 0.050 ng/L
8. MRL: 0.151 ng/L
9. Method Blank avg: <MDL
10. IPR recovery SD avg: 3%

TM.0812.A MeHg (Tekran model 2700) Water

1. R^2: > 0.9950
2. IPR & OPR avg: 92% & 87%
3. Recovery QCS avg: 100%
4. Recovery MS & MSD avg: 103% & 100%
5. RPD in Sample Duplicates avg: 5%
6. RPD in MS & MSD avg: 2%
7. MDL: 0.008 ng/L
8. MRL: 0.023 ng/L
9. Method Blank avg: <MDL
10. IPR recovery SD avg: 5%

ACRONYMS:
R^2: Coefficient of determination, **QCS:** Quality control sample, **MS**: Matrix spike, **MSD**: Matrix spike duplicate, **RPD**: Relative percentage difference, **IPR & OPR:** Initial & on-going precision and recovery, **MDL**: Method detection limit, **MRL**: Method reporting limit, **MB:** Method blank.

Notes: *Calculations for MDL and MRL have been revised to comply with the EPA MDL revision 2 (EPA 821-R-16-006 - Dec 2016). Reporting limit is set to MRL. Please contact the lab if further information is required. Summarized QA/QC available upon request. All digits in the result are solely left to the discretion of the client.*

COMMENTS REGARDING THIS REPORT: Samples from WO2025-08-007 (4 samples) and WO2025-08-009 (12 samples) were treated and analyzed together (comparable matrix). QC samples (duplicate, MS and MSD) are representative for both work orders.

x Rod Sousa

Rod Sousa
Quality Control Specialist

Date: November 13, 2025

The Biotron Analytical Services Laboratory welcomes any form of feedback from our clients. Please send any enquiries to our corporate email at biotron_analytical@uwo.ca.

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Biotron Research Building - 1151 Richmond Street N., Dock #65 London, ON N6A 5B7
T: (519) 661-3777 F: (519) 661-4162

Client Name: Marianna DiMauro
Agnico Eagle mine c/o Azimuth Consulting Group

Biotron WO#: 2025-08-007
Report date: November 13, 2025

Total Mercury (THg) - Analytical Results

Analytical Method: TM.0811_Filtered

Date Sampled	Sample Identification	Lab ID	Prep Code	Analysis Date	Parameter Code	Sample Volume (L)	Blk Cor. THg (ng)	Final Concentration (ng/L)
August 12, 2025	INUG-172	1F	Filtered	October 24, 2025	Total Hg	0.025	0.0038	0.15
August 12, 2025	INUG-173	2F	Filtered	October 24, 2025	Total Hg	0.025	0.0038	0.15
August 12, 2025	PDL-137	3F	Filtered	October 24, 2025	Total Hg	0.025	0.0020	<MRL
August 12, 2025	PDL-138	4F	Filtered	October 24, 2025	Total Hg	0.025	0.0020	<MRL
MDL Abs. (ng)							0.0013	
MRL Abs. (ng)							0.0038	

Analytical Method: TM.0811_Unfiltered

Date Sampled	Sample Identification	Lab ID	Prep Code	Analysis Date	Parameter Code	Sample Volume (L)	Blk Cor. THg (ng)	Final Concentration (ng/L)
August 12, 2025	INUG-172	1U	Unfiltered	October 24, 2025	Total Hg	0.025	0.0080	0.32
August 12, 2025	INUG-173	2U	Unfiltered	October 24, 2025	Total Hg	0.025	0.0088	0.35
August 12, 2025	PDL-137	3U	Unfiltered	October 24, 2025	Total Hg	0.025	0.0047	0.19
August 12, 2025	PDL-138	4U	Unfiltered	October 24, 2025	Total Hg	0.025	0.0050	0.20
MDL Abs. (ng)							0.0013	
MRL Abs. (ng)							0.0038	

Comments: (I) The method reporting limit (MRL) also called the Limit of Quantification (LOQ) - represents the lowest concentration that can be reported with acceptable accuracy and precision. Values <MRL (highlighted in yellow) are solely left to the discretion of the client.

Legend:
- <MDL (Method Detection Limit)
- <MRL (Method Reporting Limit)

Client Name: Marianna DiMauro
Agnico Eagle mine c/o Azimuth Consulting Group

Biotron WO#: 2025-08-007
Report date: November 13, 2025

Methyl Mercury (MeHg) - Analytical Results

Analytical Method: TM.0812.A - Water Samples - Filtered

Date Sampled	Sample Identification	Lab ID	Prep Code	Analysis Date	Parameter Code	Sample Vol (L)	Total MeHg (ng)	Final Concentration (ng/L)
August 12, 2025	INUG-172	1F	Filtered	October 30, 2025	Methyl Hg	0.040	<0.003	<MDL
August 12, 2025	INUG-173	2F	Filtered	October 30, 2025	Methyl Hg	0.040	<0.003	<MDL
August 12, 2025	PDL-137	3F	Filtered	October 30, 2025	Methyl Hg	0.040	<0.003	<MDL
August 12, 2025	PDL-138	4F	Filtered	October 30, 2025	Methyl Hg	0.040	0.0008	<MRL
MDL Abs. (ng)							0.0003	
MRL Abs. (ng)							0.0009	

Analytical Method: TM.0812.A - Water Samples - Unfiltered

Date Sampled	Sample Identification	Lab ID	Prep Code	Analysis Date	Parameter Code	Sample Vol (L)	Total MeHg (ng)	Final Concentration (ng/L)
August 12, 2025	INUG-172	1U	Unfiltered	October 30, 2025	Methyl Hg	0.040	0.0010	0.024
August 12, 2025	INUG-173	2U	Unfiltered	October 30, 2025	Methyl Hg	0.040	0.0008	<MRL
August 12, 2025	PDL-137	3U	Unfiltered	October 30, 2025	Methyl Hg	0.040	<0.003	<MDL
August 12, 2025	PDL-138	4U	Unfiltered	October 30, 2025	Methyl Hg	0.040	0.0004	<MRL
MDL Abs. (ng)							0.0003	
MRL Abs. (ng)							0.0009	

Comments: (I) The method reporting limit (MRL) also called the Limit of Quantification (LOQ) - represents the lowest concentration that can be reported with acceptable accuracy and precision. Values <MRL (highlighted in yellow) are solely left to the discretion of the client.

Legend:
- <MDL (Method Detection Limit) (orange)
- <MRL (Method Reporting Limit) (yellow)

University of Western Ontario - Analytical Services

Marianna DiMauro	Date of Receipt:	August 27, 2025
Agnico Eagle mine c/o Azimuth Consulting Group	COC no.:	n/a
218 - 2902 West Broadway		
Vancouver, BC, V6K 2G8	Report ID:	2025-08-009

Via email: mdimauro@azimuthgroup.ca; imcivor@azimuthgroup.ca; efranz@azimuthgroup.ca; meadowbank.environment@agnicoeagle.com

CERTIFICATE OF ANALYSIS

Sample type & number of samples: 12 water samples;

The following analytical analyses were requested: 12 Unfiltered THg (water) & MeHg (water); 12 Filtered THg (water) & MeHg (water).

TM.0811 THg (Tekran model 2600) Water

1. R^2: > 0.9975
2. IPR & OPR avg: 98% & 102%
3. Recovery QCS avg: 88%
4. Recovery MS & MSD avg: 99% & 98%
5. RPD in Sample Duplicates avg: 7%
6. RPD in MS & MSD avg: 2%
7. MDL: 0.050 ng/L
8. MRL: 0.151 ng/L
9. Method Blank avg: <MDL
10. IPR recovery SD avg: 3%

TM.0812.A MeHg (Tekran model 2700) Water

1. R^2: > 0.9950
2. IPR & OPR avg: 92% & 87%
3. Recovery QCS avg: 100%
4. Recovery MS & MSD avg: 103% & 100%
5. RPD in Sample Duplicates avg: 5%
6. RPD in MS & MSD avg: 2%
7. MDL: 0.008 ng/L
8. MRL: 0.023 ng/L
9. Method Blank avg: <MDL
10. IPR recovery SD avg: 5%

ACRONYMS:

R^2: Coefficient of determination, **QCS:** Quality control sample, **MS**: Matrix spike, **MSD**: Matrix spike duplicate, **RPD**: Relative percentage difference, **IPR & OPR:** Initial & on-going precision and recovery, **MDL**: Method detection limit, **MRL**: Method reporting limit, **MB:** Method blank.

Notes: *Calculations for MDL and MRL have been revised to comply with the EPA MDL revision 2 (EPA 821-R-16-006 - Dec 2016). Reporting limit is set to MRL. Please contact the lab if further information is required. Summarized QA/QC available upon request. All digits in the result are solely left to the discretion of the client.*

COMMENTS REGARDING THIS REPORT: Samples from WO2025-08-007 (4 samples) and WO2025-08-009 (12 samples) were treated and analyzed together (comparable matrix). QC samples (duplicate, MS and MSD) are representative for both work orders.

x Rod Sousa (signature)

Rod Sousa
Quality Control Specialist

Date: November 13, 2025

The Biotron Analytical Services Laboratory welcomes any form of feedback from our clients. Please send any enquiries to our corporate email at biotron_analytical@uwo.ca.

Client Name: Marianna DiMauro
Agnico Eagle mine c/o Azimuth Consulting Group

Biotron WO#: 2025-08-009
Report date: November 13, 2025

Total Mercury (THg) - Analytical Results

Analytical Method: TM.0811_Filtered

Date Sampled	Sample Identification	Lab ID	Prep Code	Analysis Date	Parameter Code	Sample Volume (L)	Blk Cor. THg (ng)	Final Concentration (ng/L)
August 16, 2025	A20-95	1F	Filtered	October 24, 2025	Total Hg	0.025	0.0041	0.17
August 16, 2025	A20-96	2F	Filtered	October 24, 2025	Total Hg	0.025	0.0045	0.18
August 18, 2025	WTS-103	3F	Filtered	October 24, 2025	Total Hg	0.025	0.0061	0.24
August 18, 2025	WTS-104	4F	Filtered	October 24, 2025	Total Hg	0.025	0.0058	0.23
August 17, 2025	MAM-103	5F	Filtered	October 24, 2025	Total Hg	0.025	0.0029	<MRL
August 17, 2025	MAM-104	6F	Filtered	October 24, 2025	Total Hg	0.025	0.0030	<MRL
August 18, 2025	A65-9	7F	Filtered	October 24, 2025	Total Hg	0.025	0.0071	0.28
August 18, 2025	A65-10	8F	Filtered	October 24, 2025	Total Hg	0.025	0.0067	0.27
August 18, 2025	DUP-2	9F	Filtered	October 24, 2025	Total Hg	0.025	0.0079	0.31
August 16, 2025	DUP-1	10F	Filtered	October 24, 2025	Total Hg	0.025	0.0047	0.19
August 21, 2025	DI-Blank	11F	Filtered	October 24, 2025	Total Hg	0.025	<0.0013	<MDL
August 16, 2025	AUG-TB	12F	Filtered	October 24, 2025	Total Hg	0.025	<0.0013	<MDL
MDL Abs. (ng)							0.0013	
MRL Abs. (ng)							0.0038	

Analytical Method: TM.0811_Unfiltered

Date Sampled	Sample Identification	Lab ID	Prep Code	Analysis Date	Parameter Code	Sample Volume (L)	Blk Cor. THg (ng)	Final Concentration (ng/L)
August 16, 2025	A20-95	1U	Unfiltered	October 24, 2025	Total Hg	0.025	0.0106	0.42
August 16, 2025	A20-96	2U	Unfiltered	October 24, 2025	Total Hg	0.025	0.0121	0.48
August 18, 2025	WTS-103	3U	Unfiltered	October 24, 2025	Total Hg	0.025	0.0167	0.67
August 18, 2025	WTS-104	4U	Unfiltered	October 24, 2025	Total Hg	0.025	0.0157	0.63
August 17, 2025	MAM-103	5U	Unfiltered	October 24, 2025	Total Hg	0.025	0.0096	0.38
August 17, 2025	MAM-104	6U	Unfiltered	October 24, 2025	Total Hg	0.025	0.0090	0.36
August 18, 2025	A65-9	7U	Unfiltered	October 24, 2025	Total Hg	0.025	0.0183	0.73
August 18, 2025	A65-10	8U	Unfiltered	October 24, 2025	Total Hg	0.025	0.0185	0.74
August 18, 2025	DUP-2	9U	Unfiltered	October 24, 2025	Total Hg	0.025	0.0171	0.68
August 16, 2025	DUP-1	10U	Unfiltered	October 24, 2025	Total Hg	0.025	0.0124	0.50
August 21, 2025	DI-Blank	11U	Unfiltered	October 24, 2025	Total Hg	0.025	<0.0013	<MDL
August 16, 2025	AUG-TB	12U	Unfiltered	October 24, 2025	Total Hg	0.025	<0.0013	<MDL
MDL Abs. (ng)							0.0013	
MRL Abs. (ng)							0.0038	

Comments: (I) The method reporting limit (MRL) also called the Limit of Quantification (LOQ) - represents the lowest concentration that can be reported with acceptable accuracy and precision. Values <MRL (highlighted in yellow) are solely left to the discretion of the client.

Legend:
- <MDL (Method Detection Limit)
- <MRL (Method Reporting Limit)

Client Name: Marianna DiMauro
Agnico Eagle mine c/o Azimuth Consulting Group

Biotron WO#: 2025-08-009
Report date: November 13, 2025

Methyl Mercury (MeHg) - Analytical Results

Analytical Method: TM.0812.A - Water Samples - Filtered

Date Sampled	Sample Identification	Lab ID	Prep Code	Analysis Date	Parameter Code	Sample Vol (L)	Total MeHg (ng)	Final Concentration (ng/L)
August 16, 2025	A20-95	1F	Filtered	October 30, 2025	Methyl Hg	0.040	0.0008	<MRL
August 16, 2025	A20-96	2F	Filtered	October 30, 2025	Methyl Hg	0.040	0.0010	0.026
August 18, 2025	WTS-103	3F	Filtered	October 30, 2025	Methyl Hg	0.040	0.0025	0.063
August 18, 2025	WTS-104	4F	Filtered	October 30, 2025	Methyl Hg	0.040	0.0021	0.051
August 17, 2025	MAM-103	5F	Filtered	October 30, 2025	Methyl Hg	0.040	0.0005	<MRL
August 17, 2025	MAM-104	6F	Filtered	October 30, 2025	Methyl Hg	0.040	0.0005	<MRL
August 18, 2025	A65-9	7F	Filtered	October 30, 2025	Methyl Hg	0.040	0.0021	0.052
August 18, 2025	A65-10	8F	Filtered	October 30, 2025	Methyl Hg	0.040	0.0023	0.058
August 18, 2025	DUP-2	9F	Filtered	October 30, 2025	Methyl Hg	0.040	0.0024	0.060
August 16, 2025	DUP-1	10F	Filtered	October 30, 2025	Methyl Hg	0.040	0.0010	0.025
August 21, 2025	DI-Blank	11F	Filtered	October 30, 2025	Methyl Hg	0.040	<0.0003	<MDL
August 16, 2025	AUG-TB	12F	Filtered	October 30, 2025	Methyl Hg	0.040	<0.0003	<MDL
MDL Abs. (ng)							0.0003	
MRL Abs. (ng)							0.0009	

Analytical Method: TM.0812.A - Water Samples - Unfiltered

Date Sampled	Sample Identification	Lab ID	Prep Code	Analysis Date	Parameter Code	Sample Vol (L)	Total MeHg (ng)	Final Concentration (ng/L)
August 16, 2025	A20-95	1U	Unfiltered	October 30, 2025	Methyl Hg	0.040	0.0026	0.065
August 16, 2025	A20-96	2U	Unfiltered	October 30, 2025	Methyl Hg	0.040	0.0032	0.080
August 18, 2025	WTS-103	3U	Unfiltered	October 30, 2025	Methyl Hg	0.040	0.0091	0.227
August 18, 2025	WTS-104	4U	Unfiltered	October 30, 2025	Methyl Hg	0.040	0.0082	0.205
August 17, 2025	MAM-103	5U	Unfiltered	October 30, 2025	Methyl Hg	0.040	0.0013	0.032
August 17, 2025	MAM-104	6U	Unfiltered	October 30, 2025	Methyl Hg	0.040	0.0008	<MRL
August 18, 2025	A65-9	7U	Unfiltered	October 30, 2025	Methyl Hg	0.040	0.0058	0.146
August 18, 2025	A65-10	8U	Unfiltered	October 30, 2025	Methyl Hg	0.040	0.0073	0.183
August 18, 2025	DUP-2	9U	Unfiltered	October 30, 2025	Methyl Hg	0.040	0.0066	0.166
August 16, 2025	DUP-1	10U	Unfiltered	October 30, 2025	Methyl Hg	0.040	0.0037	0.093
August 21, 2025	DI-Blank	11U	Unfiltered	October 30, 2025	Methyl Hg	0.040	<0.0003	<MDL
August 16, 2025	AUG-TB	12U	Unfiltered	October 30, 2025	Methyl Hg	0.040	<0.0003	<MDL
MDL Abs. (ng)							0.0003	
MRL Abs. (ng)							0.0009	

Comments: (I) The method reporting limit (MRL) also called the Limit of Quantification (LOQ) - represents the lowest concentration that can be reported with acceptable accuracy and precision. Values <MRL (highlighted in yellow) are solely left to the discretion of the client.

Legend:

<MDL (Method Detection Limit)

<MRL (Method Reporting Limit)

APPENDIX A2

SURFACE WATER MERCURY DATABASE

TABLES

Table A2-1. Total and methylmercury concentrations in unfiltered and filtered surface water samples collected for the Mercury Monitoring Program since 2016.
Note: Kangislulik Lake (KAN) previously referred to as Mammoth Lake (MAM).

Year	Date	Workorder	Collector	Site	Lake	Parameter	Units	Replicate	Sample Depth	Result	Detection Limit
2016	17-Aug-16	L1817642	Azimuth	WTS-12	Whale Tail - South Basin	Total Hg Unfiltered	ng/L	A	Surface	<0.50	0.5
2016	17-Aug-16	L1817642	Azimuth	WTS-12	Whale Tail - South Basin	Total Hg Filtered	ng/L	A	Surface	<0.50	0.5
2016	17-Aug-16	L1817642	Azimuth	WTS-12	Whale Tail - South Basin	MeHg Unfiltered	ng/L	A	Surface	<0.050	0.05
2016	17-Aug-16	L1817642	Azimuth	WTS-12	Whale Tail - South Basin	MeHg Filtered	ng/L	A	Surface	<0.050	0.05
2017	28-Aug-17	L1985255	Azimuth	WTS-23	Whale Tail - South Basin	Total Hg Unfiltered	ng/L	A	Surface	0.52	0.5
2017	28-Aug-17	L1985255	Azimuth	WTS-23	Whale Tail - South Basin	Total Hg Filtered	ng/L	A	Surface	<0.50	0.5
2017	28-Aug-17	L1985255	Azimuth	WTS-23	Whale Tail - South Basin	MeHg Unfiltered	ng/L	A	Surface	<0.050	0.05
2017	28-Aug-17	L1985255	Azimuth	WTS-23	Whale Tail - South Basin	MeHg Filtered	ng/L	A	Surface	<0.050	0.05
2017	28-Aug-17	L1985255	Azimuth	MAM-23	Kangislulik	Total Hg Unfiltered	ng/L	A	Surface	<0.50	0.5
2017	28-Aug-17	L1985255	Azimuth	MAM-23	Kangislulik	Total Hg Filtered	ng/L	A	Surface	<0.50	0.5
2017	28-Aug-17	L1985255	Azimuth	MAM-23	Kangislulik	MeHg Unfiltered	ng/L	A	Surface	<0.050	0.05
2017	28-Aug-17	L1985255	Azimuth	MAM-23	Kangislulik	MeHg Filtered	ng/L	A	Surface	<0.050	0.05
2017	14-Aug-17	L1981162	Azimuth	WTS-23	Whale Tail - South Basin	Total Hg Unfiltered	ng/L	A	Surface	0.5	0.5
2017	14-Aug-17	L1981162	Azimuth	WTS-23	Whale Tail - South Basin	Total Hg Filtered	ng/L	A	Surface	<0.50	0.5
2017	14-Aug-17	L1981162	Azimuth	WTS-23	Whale Tail - South Basin	MeHg Unfiltered	ng/L	A	Surface	<0.050	0.05
2017	14-Aug-17	L1981162	Azimuth	WTS-23	Whale Tail - South Basin	MeHg Filtered	ng/L	A	Surface	<0.050	0.05
2018	16-Aug-18	WO2019-02-008	UoW	WTL-WQ01	Whale Tail	Total Hg Unfiltered	ng/L	A	Surface	0.287	0.2
2018	16-Aug-18	WO2019-02-008	UoW	WTL-WQ01	Whale Tail	Total Hg Filtered	ng/L	A	Surface	0.321	0.2
2018	16-Aug-18	WO2019-02-008	UoW	WTL-WQ02	Whale Tail	Total Hg Unfiltered	ng/L	A	Surface	0.284	0.2
2018	16-Aug-18	WO2019-02-008	UoW	WTL-WQ02	Whale Tail	Total Hg Filtered	ng/L	A	Surface	0.246	0.2
2018	16-Aug-18	WO2019-02-008	UoW	MMT-WQ01	Kangislulik	Total Hg Unfiltered	ng/L	A	Surface	0.337	0.2
2018	16-Aug-18	WO2019-02-008	UoW	MMT-WQ01	Kangislulik	Total Hg Filtered	ng/L	A	Surface	0.428	0.2
2018	16-Aug-18	WO2019-02-008	UoW	MMT-WQ02	Kangislulik	Total Hg Unfiltered	ng/L	A	Surface	<0.2	0.2
2018	16-Aug-18	WO2019-02-008	UoW	MMT-WQ02	Kangislulik	Total Hg Filtered	ng/L	A	Surface	0.289	0.2
2018	17-Aug-18	WO2019-02-008	UoW	NEM-WQ01	Nemo	Total Hg Unfiltered	ng/L	A	Surface	0.419	0.2
2018	17-Aug-18	WO2019-02-008	UoW	NEM-WQ01	Nemo	Total Hg Filtered	ng/L	A	Surface	0.665	0.2
2018	17-Aug-18	WO2019-02-008	UoW	NEM-WQ02	Nemo	Total Hg Unfiltered	ng/L	A	Surface	0.352	0.2
2018	17-Aug-18	WO2019-02-008	UoW	NEM-WQ02	Nemo	Total Hg Filtered	ng/L	A	Surface	<0.2	0.2
2018	17-Aug-18	WO2019-02-008	UoW	A20-WQ01	A20	Total Hg Unfiltered	ng/L	A	Surface	0.498	0.2
2018	17-Aug-18	WO2019-02-008	UoW	A20-WQ01	A20	Total Hg Filtered	ng/L	A	Surface	<0.2	0.2
2018	17-Aug-18	WO2019-02-008	UoW	A20-WQ02	A20	Total Hg Unfiltered	ng/L	A	Surface	0.407	0.2
2018	17-Aug-18	WO2019-02-008	UoW	A20-WQ02	A20	Total Hg Filtered	ng/L	A	Surface	<0.2	0.2
2018	18-Aug-18	WO2019-02-008	UoW	A76-WQ01	A76	Total Hg Unfiltered	ng/L	A	Surface	<0.2	0.2
2018	18-Aug-18	WO2019-02-008	UoW	A76-WQ01	A76	Total Hg Filtered	ng/L	A	Surface	<0.2	0.2
2018	18-Aug-18	WO2019-02-008	UoW	A76-WQ02	A76	Total Hg Unfiltered	ng/L	A	Surface	<0.2	0.2
2018	18-Aug-18	WO2019-02-008	UoW	A76-WQ02	A76	Total Hg Filtered	ng/L	A	Surface	<0.2	0.2
2018	18-Aug-18	WO2019-02-008	UoW	A76-WQ02	A76	Total Hg Unfiltered	ng/L	B	Surface	0.381	0.2
2018	18-Aug-18	WO2019-02-008	UoW	A76-WQ02	A76	Total Hg Filtered	ng/L	B	Surface	<0.2	0.2
2018	20-Aug-18	WO2019-02-008	UoW	A63-WQ01	A63	Total Hg Unfiltered	ng/L	A	Surface	0.319	0.2
2018	20-Aug-18	WO2019-02-008	UoW	A63-WQ01	A63	Total Hg Filtered	ng/L	A	Surface	0.272	0.2
2018	20-Aug-18	WO2019-02-008	UoW	A63-WQ01	A63	Total Hg Unfiltered	ng/L	B	Surface	0.325	0.2
2018	20-Aug-18	WO2019-02-008	UoW	A63-WQ01	A63	Total Hg Filtered	ng/L	B	Surface	0.306	0.2
2018	20-Aug-18	WO2019-02-008	UoW	A63-WQ02	A63	Total Hg Unfiltered	ng/L	A	Surface	0.385	0.2
2018	20-Aug-18	WO2019-02-008	UoW	A63-WQ02	A63	Total Hg Filtered	ng/L	A	Surface	0.3	0.2
2018	20-Aug-18	WO2019-02-008	UoW	A65-WQ01	A65	Total Hg Unfiltered	ng/L	A	Surface	0.364	0.2
2018	20-Aug-18	WO2019-02-008	UoW	A65-WQ01	A65	Total Hg Filtered	ng/L	A	Surface	0.265	0.2
2018	20-Aug-18	WO2019-02-008	UoW	A65-WQ02	A65	Total Hg Unfiltered	ng/L	A	Surface	0.361	0.2
2018	20-Aug-18	WO2019-02-008	UoW	A65-WQ02	A65	Total Hg Filtered	ng/L	A	Surface	0.241	0.2
2018	21-Aug-18	WO2019-02-008	UoW	LK8-WQ01	Lake 8	Total Hg Unfiltered	ng/L	A	Surface	<0.2	0.2
2018	21-Aug-18	WO2019-02-008	UoW	LK8-WQ01	Lake 8	Total Hg Filtered	ng/L	A	Surface	0.241	0.2
2018	21-Aug-18	WO2019-02-008	UoW	LK8-WQ02	Lake 8	Total Hg Unfiltered	ng/L	A	Surface	<0.2	0.2
2018	21-Aug-18	WO2019-02-008	UoW	LK8-WQ02	Lake 8	Total Hg Filtered	ng/L	A	Surface	0.322	0.2
2018	16-Aug-18	WO2019-02-008	UoW	WTL-WQ01	Whale Tail	MeHg Unfiltered	ng/L	A	Surface	<0.0225	0.0225
2018	16-Aug-18	WO2019-02-008	UoW	WTL-WQ01	Whale Tail - South Basin	MeHg Filtered	ng/L	A	Surface	<0.0225	0.0225
2018	16-Aug-18	WO2019-02-008	UoW	WTL-WQ02	Whale Tail	MeHg Unfiltered	ng/L	A	Surface	<0.0225	0.0225
2018	16-Aug-18	WO2019-02-008	UoW	WTL-WQ02	Whale Tail - South Basin	MeHg Filtered	ng/L	A	Surface	<0.0225	0.0225
2018	16-Aug-18	WO2019-02-008	UoW	MMT-WQ01	Kangislulik	MeHg Unfiltered	ng/L	A	Surface	<0.0225	0.0225
2018	16-Aug-18	WO2019-02-008	UoW	MMT-WQ01	Kangislulik	MeHg Filtered	ng/L	A	Surface	<0.0225	0.0225
2018	16-Aug-18	WO2019-02-008	UoW	MMT-WQ02	Kangislulik	MeHg Unfiltered	ng/L	A	Surface	0.029	0.0225
2018	16-Aug-18	WO2019-02-008	UoW	MMT-WQ02	Kangislulik	MeHg Filtered	ng/L	A	Surface	<0.0225	0.0225
2018	17-Aug-18	WO2019-02-008	UoW	NEM-WQ01	Nemo	MeHg Unfiltered	ng/L	A	Surface	<0.0225	0.0225
2018	17-Aug-18	WO2019-02-008	UoW	NEM-WQ01	Nemo	MeHg Filtered	ng/L	A	Surface	<0.0225	0.0225
2018	17-Aug-18	WO2019-02-008	UoW	NEM-WQ02	Nemo	MeHg Unfiltered	ng/L	A	Surface	<0.0225	0.0225
2018	17-Aug-18	WO2019-02-008	UoW	NEM-WQ02	Nemo	MeHg Filtered	ng/L	A	Surface	<0.0225	0.0225
2018	17-Aug-18	WO2019-02-008	UoW	A20-WQ01	A20	MeHg Unfiltered	ng/L	A	Surface	<0.0225	0.0225
2018	17-Aug-18	WO2019-02-008	UoW	A20-WQ01	A20	MeHg Filtered	ng/L	A	Surface	<0.0225	0.0225
2018	17-Aug-18	WO2019-02-008	UoW	A20-WQ02	A20	MeHg Unfiltered	ng/L	A	Surface	<0.0225	0.0225
2018	17-Aug-18	WO2019-02-008	UoW	A20-WQ02	A20	MeHg Filtered	ng/L	A	Surface	<0.0225	0.0225
2018	18-Aug-18	WO2019-02-008	UoW	A76-WQ01	A76	MeHg Unfiltered	ng/L	A	Surface	<0.0225	0.0225
2018	18-Aug-18	WO2019-02-008	UoW	A76-WQ01	A76	MeHg Filtered	ng/L	A	Surface	<0.0225	0.0225
2018	18-Aug-18	WO2019-02-008	UoW	A76-WQ02	A76	MeHg Unfiltered	ng/L	A	Surface	<0.0225	0.0225
2018	18-Aug-18	WO2019-02-008	UoW	A76-WQ02	A76	MeHg Filtered	ng/L	A	Surface	<0.0225	0.0225
2018	18-Aug-18	WO2019-02-008	UoW	A76-WQ02	A76	MeHg Unfiltered	ng/L	B	Surface	<0.0225	0.0225
2018	18-Aug-18	WO2019-02-008	UoW	A76-WQ02	A76	MeHg Filtered	ng/L	B	Surface	<0.0225	0.0225
2018	20-Aug-18	WO2019-02-008	UoW	A63-WQ01	A63	MeHg Unfiltered	ng/L	A	Surface	0.03	0.0225
2018	20-Aug-18	WO2019-02-008	UoW	A63-WQ01	A63	MeHg Filtered	ng/L	A	Surface	<0.0225	0.0225
2018	20-Aug-18	WO2019-02-008	UoW	A63-WQ01	A63	MeHg Unfiltered	ng/L	B	Surface	<0.0225	0.0225
2018	20-Aug-18	WO2019-02-008	UoW	A63-WQ01	A63	MeHg Filtered	ng/L	B	Surface	<0.0225	0.0225
2018	20-Aug-18	WO2019-02-008	UoW	A63-WQ02	A63	MeHg Unfiltered	ng/L	A	Surface	0.049	0.0225
2018	20-Aug-18	WO2019-02-008	UoW	A63-WQ02	A63	MeHg Filtered	ng/L	A	Surface	<0.0225	0.0225
2018	20-Aug-18	WO2019-02-008	UoW	A65-WQ01	A65	MeHg Unfiltered	ng/L	A	Surface	0.027	0.0225
2018	20-Aug-18	WO2019-02-008	UoW	A65-WQ01	A65	MeHg Filtered	ng/L	A	Surface	<0.0225	0.0225
2018	20-Aug-18	WO2019-02-008	UoW	A65-WQ02	A65	MeHg Unfiltered	ng/L	A	Surface	0.035	0.0225
2018	20-Aug-18	WO2019-02-008	UoW	A65-WQ02	A65	MeHg Filtered	ng/L	A	Surface	<0.0225	0.0225
2018	21-Aug-18	WO2019-02-008	UoW	LK8-WQ01	Lake 8	MeHg Unfiltered	ng/L	A	Surface	<0.0225	0.0225
2018	21-Aug-18	WO2019-02-008	UoW	LK8-WQ01	Lake 8	MeHg Filtered	ng/L	A	Surface	<0.0225	0.0225
2018	21-Aug-18	WO2019-02-008	UoW	LK8-WQ02	Lake 8	MeHg Unfiltered	ng/L	A	Surface	<0.0225	0.0225
2018	21-Aug-18	WO2019-02-008	UoW	LK8-WQ02	Lake 8	MeHg Filtered	ng/L	A	Surface	<0.0225	0.0225
2020	12-Aug-20	WO2020-09-009	UoW	A65-WQ01	A65	Total Hg Unfiltered	ng/L	A	Surface	2.745	0.172
2020	12-Aug-20	WO2020-09-008	UoW	A65-WQ01	A65	Total Hg Filtered	ng/L	A	Surface	1.096	0.172
2020	12-Aug-20	WO2020-09-008	UoW	A65-WQ02	A65	Total Hg Unfiltered	ng/L	A	Surface	2.541	0.172
2020	12-Aug-20	WO2020-09-008	UoW	A65-WQ02	A65	Total Hg Filtered	ng/L	A	Surface	2.853	0.172
2020	12-Aug-20	WO2020-09-008	UoW	WTL-WQ01	Whale Tail - South Basin	Total Hg Unfiltered	ng/L	A	Surface	1.573	0.172
2020	12-Aug-20	WO2020-09-008	UoW	WTL-WQ01	Whale Tail	Total Hg Filtered	ng/L	A	Surface	1.95	0.172
2020	12-Aug-20	WO2020-09-008	UoW	WTL-WQ01	Whale Tail - South Basin	Total Hg Unfiltered	ng/L	B	Surface	1.341	0.172
2020	12-Aug-20	WO2020-09-008	UoW	WTL-WQ01	Whale Tail	Total Hg Filtered	ng/L	B	Surface	1.221	0.172
2020	12-Aug-20	WO2020-09-008	UoW	WTL-WQ02	Whale Tail - South Basin	Total Hg Unfiltered	ng/L	A	Surface	2.951	0.172

Table A2-1. Total and methylmercury concentrations in unfiltered and filtered surface water samples collected for the Mercury Monitoring Program since 2016.
Note: Kangislulik Lake (KAN) previously referred to as Mammoth Lake (MAM).

Year	Date	Workorder	Collector	Site	Lake	Parameter	Units	Replicate	Sample Depth	Result	Detection Limit
2020	12-Aug-20	WO2020-09-008	UoW	WTL-WQ02	Whale Tail	Total Hg Filtered	ng/L	A	Surface	1.382	0.172
2020	14-Aug-20	WO2020-09-008	UoW	A20-WQ01	A20	Total Hg Unfiltered	ng/L	A	Surface	1.066	0.172
2020	14-Aug-20	WO2020-09-008	UoW	A20-WQ01	A20	Total Hg Filtered	ng/L	A	Surface	1.382	0.172
2020	14-Aug-20	WO2020-09-008	UoW	A20-WQ01	A20	Total Hg Unfiltered	ng/L	B	Surface	2.395	0.172
2020	14-Aug-20	WO2020-09-008	UoW	A20-WQ01	A20	Total Hg Filtered	ng/L	B	Surface	1.803	0.172
2020	14-Aug-20	WO2020-09-008	UoW	A20-WQ02	A20	Total Hg Unfiltered	ng/L	A	Surface	2.003	0.172
2020	14-Aug-20	WO2020-09-008	UoW	A20-WQ02	A20	Total Hg Filtered	ng/L	A	Surface	1.561	0.172
2020	15-Aug-20	WO2020-09-008	UoW	MMT-WQ01	Kangislulik	Total Hg Unfiltered	ng/L	A	Surface	1.447	0.172
2020	15-Aug-20	WO2020-09-008	UoW	MMT-WQ01	Kangislulik	Total Hg Filtered	ng/L	A	Surface	1.109	0.172
2020	15-Aug-20	WO2020-09-008	UoW	MMT-WQ02	Kangislulik	Total Hg Unfiltered	ng/L	A	Surface	0.895	0.172
2020	15-Aug-20	WO2020-09-008	UoW	MMT-WQ02	Kangislulik	Total Hg Filtered	ng/L	A	Surface	0.969	0.172
2020	16-Aug-20	WO2020-09-008	UoW	A76-WQ01	A76	Total Hg Unfiltered	ng/L	A	Surface	0.879	0.172
2020	16-Aug-20	WO2020-09-008	UoW	A76-WQ01	A76	Total Hg Filtered	ng/L	A	Surface	0.901	0.172
2020	16-Aug-20	WO2020-09-008	UoW	A76-WQ02	A76	Total Hg Unfiltered	ng/L	A	Surface	0.829	0.172
2020	16-Aug-20	WO2020-09-008	UoW	A76-WQ02	A76	Total Hg Filtered	ng/L	A	Surface	0.785	0.172
2020	17-Aug-20	WO2020-09-008	UoW	DS1-WQ01	DS1	Total Hg Unfiltered	ng/L	A	Surface	1.256	0.172
2020	17-Aug-20	WO2020-09-008	UoW	DS1-WQ01	DS1	Total Hg Filtered	ng/L	A	Surface	1.188	0.172
2020	17-Aug-20	WO2020-09-008	UoW	DS1-WQ02	DS1	Total Hg Unfiltered	ng/L	A	Surface	1.198	0.172
2020	17-Aug-20	WO2020-09-008	UoW	DS1-WQ02	DS1	Total Hg Filtered	ng/L	A	Surface	1.122	0.172
2020	21-Aug-20	WO2020-09-008	UoW	INUG-124	Inuggugayualik	Total Hg Unfiltered	ng/L	A	Surface	0.579	0.172
2020	21-Aug-20	WO2020-09-008	UoW	INUG-124	Inuggugayualik	Total Hg Filtered	ng/L	A	Surface	0.727	0.172
2020	21-Aug-20	WO2020-09-008	UoW	INUG-125	Inuggugayualik	Total Hg Unfiltered	ng/L	A	Surface	0.484	0.172
2020	21-Aug-20	WO2020-09-008	UoW	INUG-125	Inuggugayualik	Total Hg Filtered	ng/L	A	Surface	0.797	0.172
2020	22-Aug-20	WO2020-09-008	UoW	PDL-89	Pipedream	Total Hg Unfiltered	ng/L	A	Surface	0.467	0.172
2020	22-Aug-20	WO2020-09-008	UoW	PDL-89	Pipedream	Total Hg Filtered	ng/L	A	Surface	0.326	0.172
2020	22-Aug-20	WO2020-09-008	UoW	PDL-90	Pipedream	Total Hg Unfiltered	ng/L	A	Surface	0.46	0.172
2020	22-Aug-20	WO2020-09-008	UoW	PDL-90	Pipedream	Total Hg Filtered	ng/L	A	Surface	0.412	0.172
2020	23-Aug-20	WO2020-09-008	UoW	LK1-23	Lake D1	Total Hg Unfiltered	ng/L	A	Surface	0.895	0.172
2020	23-Aug-20	WO2020-09-008	UoW	LK1-23	Lake D1	Total Hg Filtered	ng/L	A	Surface	1.031	0.172
2020	23-Aug-20	WO2020-09-008	UoW	LK1-24	Lake D1	Total Hg Unfiltered	ng/L	A	Surface	0.517	0.172
2020	23-Aug-20	WO2020-09-008	UoW	LK1-24	Lake D1	Total Hg Filtered	ng/L	A	Surface	1.288	0.172
2020	23-Aug-20	WO2020-09-008	UoW	LK8-WQ01	Lake 8	Total Hg Unfiltered	ng/L	A	Surface	0.986	0.172
2020	23-Aug-20	WO2020-09-008	UoW	LK8-WQ01	Lake 8	Total Hg Filtered	ng/L	A	Surface	0.843	0.172
2020	23-Aug-20	WO2020-09-008	UoW	LK8-WQ02	Lake 8	Total Hg Unfiltered	ng/L	A	Surface	0.907	0.172
2020	23-Aug-20	WO2020-09-008	UoW	LK8-WQ02	Lake 8	Total Hg Filtered	ng/L	A	Surface	0.757	0.172
2020	23-Aug-20	WO2020-09-008	UoW	FIELD BLANK	FIELD BLANK	Total Hg Unfiltered	ng/L	A	Surface	0.23	0.172
2020	23-Aug-20	WO2020-09-008	UoW	FIELD BLANK	FIELD BLANK	Total Hg Filtered	ng/L	A	Surface	0.461	0.172
2020	29-Aug-20	WO2020-09-008	UoW	B3-WQ01	B3	Total Hg Unfiltered	ng/L	A	Surface	0.369	0.172
2020	29-Aug-20	WO2020-09-008	UoW	B3-WQ01	B3	Total Hg Filtered	ng/L	A	Surface	0.401	0.172
2020	29-Aug-20	WO2020-09-008	UoW	B3-WQ02	B3	Total Hg Unfiltered	ng/L	A	Surface	0.451	0.172
2020	29-Aug-20	WO2020-09-008	UoW	B3-WQ02	B3	Total Hg Filtered	ng/L	A	Surface	0.412	0.172
2020	29-Jun-20	WO2020-09-008	UoW	TRAVEL BLANK	TRAVEL BLANK	Total Hg Unfiltered	ng/L	A	Surface	<0.172	0.172
2020	12-Aug-20	WO2020-09-009	UoW	A65-WQ01	A65	MeHg Unfiltered	ng/L	A	Surface	0.24	0.0178
2020	12-Aug-20	WO2020-09-009	UoW	A65-WQ01	A65	MeHg Filtered	ng/L	A	Surface	0.208	0.0178
2020	12-Aug-20	WO2020-09-009	UoW	A65-WQ02	A65	MeHg Unfiltered	ng/L	A	Surface	0.212	0.0178
2020	12-Aug-20	WO2020-09-009	UoW	A65-WQ02	A65	MeHg Filtered	ng/L	A	Surface	0.127	0.0178
2020	12-Aug-20	WO2020-09-009	UoW	WTL-WQ01	Whale Tail	MeHg Unfiltered	ng/L	A	Surface	0.43	0.0178
2020	12-Aug-20	WO2020-09-009	UoW	WTL-WQ01	Whale Tail - South Basin	MeHg Filtered	ng/L	A	Surface	0.331	0.0178
2020	12-Aug-20	WO2020-09-009	UoW	WTL-WQ01	Whale Tail	MeHg Unfiltered	ng/L	B	Surface	0.447	0.0178
2020	12-Aug-20	WO2020-09-009	UoW	WTL-WQ01	Whale Tail - South Basin	MeHg Filtered	ng/L	B	Surface	0.328	0.0178
2020	12-Aug-20	WO2020-09-009	UoW	WTL-WQ02	Whale Tail	MeHg Unfiltered	ng/L	A	Surface	0.499	0.0178
2020	12-Aug-20	WO2020-09-009	UoW	WTL-WQ02	Whale Tail - South Basin	MeHg Filtered	ng/L	A	Surface	0.426	0.0178
2020	14-Aug-20	WO2020-09-009	UoW	A20-WQ01	A20	MeHg Unfiltered	ng/L	A	Surface	0.081	0.0178
2020	14-Aug-20	WO2020-09-009	UoW	A20-WQ01	A20	MeHg Filtered	ng/L	A	Surface	0.052	0.0178
2020	14-Aug-20	WO2020-09-009	UoW	A20-WQ01	A20	MeHg Unfiltered	ng/L	B	Surface	0.098	0.0178
2020	14-Aug-20	WO2020-09-009	UoW	A20-WQ01	A20	MeHg Filtered	ng/L	B	Surface	0.058	0.0178
2020	14-Aug-20	WO2020-09-009	UoW	A20-WQ02	A20	MeHg Unfiltered	ng/L	A	Surface	0.084	0.0178
2020	14-Aug-20	WO2020-09-009	UoW	A20-WQ02	A20	MeHg Filtered	ng/L	A	Surface	0.058	0.0178
2020	15-Aug-20	WO2020-09-009	UoW	MMT-WQ01	Kangislulik	MeHg Unfiltered	ng/L	A	Surface	0.042	0.0178
2020	15-Aug-20	WO2020-09-009	UoW	MMT-WQ01	Kangislulik	MeHg Filtered	ng/L	A	Surface	<0.0178	0.0178
2020	15-Aug-20	WO2020-09-009	UoW	MMT-WQ02	Kangislulik	MeHg Unfiltered	ng/L	A	Surface	<0.0178	0.0178
2020	15-Aug-20	WO2020-09-009	UoW	MMT-WQ02	Kangislulik	MeHg Filtered	ng/L	A	Surface	0.018	0.0178
2020	16-Aug-20	WO2020-09-009	UoW	A76-WQ01	A76	MeHg Unfiltered	ng/L	A	Surface	0.027	0.0178
2020	16-Aug-20	WO2020-09-009	UoW	A76-WQ01	A76	MeHg Filtered	ng/L	A	Surface	<0.0178	0.0178
2020	16-Aug-20	WO2020-09-009	UoW	A76-WQ02	A76	MeHg Unfiltered	ng/L	A	Surface	0.019	0.0178
2020	16-Aug-20	WO2020-09-009	UoW	A76-WQ02	A76	MeHg Filtered	ng/L	A	Surface	<0.0178	0.0178
2020	17-Aug-20	WO2020-09-009	UoW	DS1-WQ01	DS1	MeHg Unfiltered	ng/L	A	Surface	0.067	0.0178
2020	17-Aug-20	WO2020-09-009	UoW	DS1-WQ01	DS1	MeHg Filtered	ng/L	A	Surface	0.037	0.0178
2020	17-Aug-20	WO2020-09-009	UoW	DS1-WQ02	DS1	MeHg Unfiltered	ng/L	A	Surface	<0.0178	0.0178
2020	17-Aug-20	WO2020-09-009	UoW	DS1-WQ02	DS1	MeHg Filtered	ng/L	A	Surface	0.022	0.0178
2020	21-Aug-20	WO2020-09-009	UoW	INUG-124	Inuggugayualik	MeHg Unfiltered	ng/L	A	Surface	0.029	0.0178
2020	21-Aug-20	WO2020-09-009	UoW	INUG-124	Inuggugayualik	MeHg Filtered	ng/L	A	Surface	0.018	0.0178
2020	21-Aug-20	WO2020-09-009	UoW	INUG-125	Inuggugayualik	MeHg Unfiltered	ng/L	A	Surface	<0.0178	0.0178
2020	21-Aug-20	WO2020-09-009	UoW	INUG-125	Inuggugayualik	MeHg Filtered	ng/L	A	Surface	<0.0178	0.0178
2020	22-Aug-20	WO2020-09-009	UoW	PDL-89	Pipedream	MeHg Unfiltered	ng/L	A	Surface	<0.0178	0.0178
2020	22-Aug-20	WO2020-09-009	UoW	PDL-89	Pipedream	MeHg Filtered	ng/L	A	Surface	<0.0178	0.0178
2020	22-Aug-20	WO2020-09-009	UoW	PDL-90	Pipedream	MeHg Unfiltered	ng/L	A	Surface	<0.0178	0.0178
2020	22-Aug-20	WO2020-09-009	UoW	PDL-90	Pipedream	MeHg Filtered	ng/L	A	Surface	<0.0178	0.0178
2020	23-Aug-20	WO2020-09-009	UoW	LK1-23	Lake D1	MeHg Unfiltered	ng/L	A	Surface	<0.0178	0.0178
2020	23-Aug-20	WO2020-09-009	UoW	LK1-23	Lake D1	MeHg Filtered	ng/L	A	Surface	<0.0178	0.0178
2020	23-Aug-20	WO2020-09-009	UoW	LK1-24	Lake D1	MeHg Unfiltered	ng/L	A	Surface	0.029	0.0178
2020	23-Aug-20	WO2020-09-009	UoW	LK1-24	Lake D1	MeHg Filtered	ng/L	A	Surface	0.023	0.0178
2020	23-Aug-20	WO2020-09-009	UoW	LK8-WQ01	Lake 8	MeHg Unfiltered	ng/L	A	Surface	<0.0178	0.0178
2020	23-Aug-20	WO2020-09-009	UoW	LK8-WQ01	Lake 8	MeHg Filtered	ng/L	A	Surface	<0.0178	0.0178
2020	23-Aug-20	WO2020-09-009	UoW	LK8-WQ02	Lake 8	MeHg Unfiltered	ng/L	A	Surface	<0.0178	0.0178
2020	23-Aug-20	WO2020-09-009	UoW	LK8-WQ02	Lake 8	MeHg Filtered	ng/L	A	Surface	<0.0178	0.0178
2020	23-Aug-20	WO2020-09-009	UoW	FIELD BLANK	FIELD BLANK	MeHg Unfiltered	ng/L	A	Surface	<0.0178	0.0178
2020	23-Aug-20	WO2020-09-009	UoW	FIELD BLANK	FIELD BLANK	MeHg Filtered	ng/L	A	Surface	<0.0178	0.0178
2020	29-Aug-20	WO2020-09-009	UoW	B3-WQ01	B3	MeHg Unfiltered	ng/L	A	Surface	<0.0178	0.0178
2020	29-Aug-20	WO2020-09-009	UoW	B3-WQ01	B3	MeHg Filtered	ng/L	A	Surface	<0.0178	0.0178
2020	29-Aug-20	WO2020-09-009	UoW	B3-WQ02	B3	MeHg Unfiltered	ng/L	A	Surface	<0.0178	0.0178
2020	29-Aug-20	WO2020-09-009	UoW	B3-WQ02	B3	MeHg Filtered	ng/L	A	Surface	<0.0178	0.0178
2020	29-Jun-20	WO2020-09-009	UoW	TRAVEL BLANK	TRAVEL BLANK	MeHg Unfiltered	ng/L	A	Surface	<0.0178	0.0178
2020	12-Aug-20	WO2020-09-009	UoW	NEM-WQ01	Nemo	Total Hg Unfiltered	ng/L	A	Surface	0.89	0.172
2020	12-Aug-20	WO2020-09-009	UoW	NEM-WQ01	Nemo	Total Hg Filtered	ng/L	A	Surface	0.867	0.172
2020	12-Aug-20	WO2020-09-009	UoW	NEM-WQ02	Nemo	Total Hg Unfiltered	ng/L	A	Surface	1.011	0.172
2020	12-Aug-20	WO2020-09-009	UoW	NEM-WQ02	Nemo	Total Hg Filtered	ng/L	A	Surface	0.57	0.172

Table A2-1. Total and methylmercury concentrations in unfiltered and filtered surface water samples collected for the Mercury Monitoring Program since 2016.

Note: Kangislulik Lake (KAN) previously referred to as Mammoth Lake (MAM).

Year	Date	Workorder	Collector	Site	Lake	Parameter	Units	Replicate	Sample Depth	Result	Detection Limit
2020	12-Aug-20	WO2020-09-009	UoW	A63-WQ01	A63	Total Hg Unfiltered	ng/L	A	Surface	3.264	0.172
2020	12-Aug-20	WO2020-09-009	UoW	A63-WQ01	A63	Total Hg Filtered	ng/L	A	Surface	1.962	0.172
2020	12-Aug-20	WO2020-09-009	UoW	A63-WQ02	A63	Total Hg Unfiltered	ng/L	A	Surface	3.925	0.172
2020	12-Aug-20	WO2020-09-009	UoW	A63-WQ02	A63	Total Hg Filtered	ng/L	A	Surface	3.145	0.172
2020	29-Aug-20	WO2020-09-009	UoW	A44-WQ01	A44	Total Hg Unfiltered	ng/L	A	Surface	1.078	0.172
2020	29-Aug-20	WO2020-09-009	UoW	A44-WQ01	A44	Total Hg Filtered	ng/L	A	Surface	1.274	0.172
2020	29-Aug-20	WO2020-09-009	UoW	A44-WQ02	A44	Total Hg Unfiltered	ng/L	A	Surface	1.08	0.172
2020	29-Aug-20	WO2020-09-009	UoW	A44-WQ02	A44	Total Hg Filtered	ng/L	A	Surface	1.107	0.172
2020	12-Aug-20	WO2020-09-009	UoW	NEM-WQ01	Nemo	MeHg Unfiltered	ng/L	A	Surface	0.024	0.0178
2020	12-Aug-20	WO2020-09-009	UoW	NEM-WQ01	Nemo	MeHg Filtered	ng/L	A	Surface	<0.0178	0.0178
2020	12-Aug-20	WO2020-09-009	UoW	NEM-WQ02	Nemo	MeHg Unfiltered	ng/L	A	Surface	0.031	0.0178
2020	12-Aug-20	WO2020-09-009	UoW	NEM-WQ02	Nemo	MeHg Filtered	ng/L	A	Surface	<0.0178	0.0178
2020	12-Aug-20	WO2020-09-009	UoW	A63-WQ01	A63	MeHg Unfiltered	ng/L	A	Surface	0.91	0.0178
2020	12-Aug-20	WO2020-09-009	UoW	A63-WQ01	A63	MeHg Filtered	ng/L	A	Surface	0.48	0.0178
2020	12-Aug-20	WO2020-09-009	UoW	A63-WQ02	A63	MeHg Unfiltered	ng/L	A	Surface	0.949	0.0178
2020	12-Aug-20	WO2020-09-009	UoW	A63-WQ02	A63	MeHg Filtered	ng/L	A	Surface	0.548	0.0178
2020	29-Aug-20	WO2020-09-009	UoW	A44-WQ01	A44	MeHg Unfiltered	ng/L	A	Surface	0.019	0.0178
2020	29-Aug-20	WO2020-09-009	UoW	A44-WQ01	A44	MeHg Filtered	ng/L	A	Surface	<0.0178	0.0178
2020	29-Aug-20	WO2020-09-009	UoW	A44-WQ02	A44	MeHg Unfiltered	ng/L	A	Surface	<0.0178	0.0178
2020	29-Aug-20	WO2020-09-009	UoW	A44-WQ02	A44	MeHg Filtered	ng/L	A	Surface	0.021	0.0178
2020	02-Dec-20	WO2020-12-005	Agnico	A20-MMP-M	A20 Profile	Total Hg Filtered	ng/L	A	10m	0.379	0.172
2020	02-Dec-20	WO2020-12-005	Agnico	A20-MMP-M	A20 Profile	Total Hg Filtered	ng/L	B	10m	0.381	0.172
2020	02-Dec-20	WO2020-12-005	Agnico	A20-MMP-S	A20 Profile	Total Hg Filtered	ng/L	A	3m	0.367	0.172
2020	02-Dec-20	WO2020-12-005	Agnico	A20-MMP-S	A20 Profile	Total Hg Filtered	ng/L	B	3m	0.376	0.172
2020	02-Dec-20	WO2020-12-005	Agnico	A20-MMP-D	A20 Profile	Total Hg Filtered	ng/L	A	17m	0.456	0.172
2020	02-Dec-20	WO2020-12-005	Agnico	A20-MMP-FB	FIELD BLANK	Total Hg Filtered	ng/L	A	Surface	<0.172	0.172
2020	02-Dec-20	WO2020-12-005	Agnico	A20-MMP-TB	TRAVEL BLANK	Total Hg Filtered	ng/L	A	Surface	<0.172	0.172
2020	02-Dec-20	WO2020-12-005	Agnico	A20-MMP-M	A20 Profile	Total Hg Unfiltered	ng/L	A	10m	0.738	0.172
2020	02-Dec-20	WO2020-12-005	Agnico	A20-MMP-M	A20 Profile	Total Hg Unfiltered	ng/L	B	10m	0.719	0.172
2020	02-Dec-20	WO2020-12-005	Agnico	A20-MMP-S	A20 Profile	Total Hg Unfiltered	ng/L	A	3m	0.683	0.172
2020	02-Dec-20	WO2020-12-005	Agnico	A20-MMP-S	A20 Profile	Total Hg Unfiltered	ng/L	B	3m	0.694	0.172
2020	02-Dec-20	WO2020-12-005	Agnico	A20-MMP-D	A20 Profile	Total Hg Unfiltered	ng/L	A	17m	0.714	0.172
2020	02-Dec-20	WO2020-12-005	Agnico	A20-MMP-FB	FIELD BLANK	Total Hg Unfiltered	ng/L	A	Surface	<0.172	0.172
2020	02-Dec-20	WO2020-12-005	Agnico	A20-MMP-TB	TRAVEL BLANK	Total Hg Unfiltered	ng/L	A	Surface	<0.172	0.172
2020	02-Dec-20	WO2020-12-005	Agnico	A20-MMP-M	A20 Profile	MeHg Filtered	ng/L	A	10m	0.039	0.0178
2020	02-Dec-20	WO2020-12-005	Agnico	A20-MMP-M	A20 Profile	MeHg Filtered	ng/L	B	10m	0.059	0.0178
2020	02-Dec-20	WO2020-12-005	Agnico	A20-MMP-S	A20 Profile	MeHg Filtered	ng/L	A	3m	0.056	0.0178
2020	02-Dec-20	WO2020-12-005	Agnico	A20-MMP-S	A20 Profile	MeHg Filtered	ng/L	B	3m	0.063	0.0178
2020	02-Dec-20	WO2020-12-005	Agnico	A20-MMP-D	A20 Profile	MeHg Filtered	ng/L	A	17m	0.067	0.0178
2020	02-Dec-20	WO2020-12-005	Agnico	A20-MMP-FB	FIELD BLANK	MeHg Filtered	ng/L	A	Surface	<MRL	0.0178
2020	02-Dec-20	WO2020-12-005	Agnico	A20-MMP-TB	TRAVEL BLANK	MeHg Filtered	ng/L	A	Surface	<MRL	0.0178
2020	02-Dec-20	WO2020-12-005	Agnico	A20-MMP-M	A20 Profile	MeHg Unfiltered	ng/L	A	10m	0.072	0.0178
2020	02-Dec-20	WO2020-12-005	Agnico	A20-MMP-M	A20 Profile	MeHg Unfiltered	ng/L	B	10m	0.082	0.0178
2020	02-Dec-20	WO2020-12-005	Agnico	A20-MMP-S	A20 Profile	MeHg Unfiltered	ng/L	A	3m	0.067	0.0178
2020	02-Dec-20	WO2020-12-005	Agnico	A20-MMP-S	A20 Profile	MeHg Unfiltered	ng/L	B	3m	0.08	0.0178
2020	02-Dec-20	WO2020-12-005	Agnico	A20-MMP-D	A20 Profile	MeHg Unfiltered	ng/L	A	17m	0.086	0.0178
2020	02-Dec-20	WO2020-12-005	Agnico	A20-MMP-FB	FIELD BLANK	MeHg Unfiltered	ng/L	A	Surface	<MRL	0.0178
2020	02-Dec-20	WO2020-12-005	Agnico	A20-MMP-TB	TRAVEL BLANK	MeHg Unfiltered	ng/L	A	Surface	<MRL	0.0178
2021	07-Aug-21	WO2021-08-009	Azimuth	A76-55	A76	Total Hg Unfiltered	ng/L	A	Surface	0.39	0.01679
2021	07-Aug-21	WO2021-08-009	Azimuth	A76-56	A76	Total Hg Unfiltered	ng/L	A	Surface	0.37	0.01679
2021	07-Aug-21	WO2021-08-009	Azimuth	MAM-63	Kangislulik	Total Hg Unfiltered	ng/L	A	Surface	0.54	0.01679
2021	07-Aug-21	WO2021-08-009	Azimuth	MAM-64	Kangislulik	Total Hg Unfiltered	ng/L	A	Surface	0.48	0.01679
2021	10-Aug-21	WO2021-08-009	Azimuth	A20-57	A20	Total Hg Unfiltered	ng/L	A	Surface	1.14	0.01679
2021	10-Aug-21	WO2021-08-009	Azimuth	A20-58	A20	Total Hg Unfiltered	ng/L	A	Surface	0.94	0.01679
2021	10-Aug-21	WO2021-08-009	Azimuth	WTS-63	Whale Tail - South Basin	Total Hg Unfiltered	ng/L	A	Surface	1.03	0.01679
2021	10-Aug-21	WO2021-08-009	Azimuth	WTS-64	Whale Tail - South Basin	Total Hg Unfiltered	ng/L	A	Surface	1.10	0.01679
2021	11-Aug-21	WO2021-08-009	Azimuth	LK1-31	Lake D1	Total Hg Unfiltered	ng/L	A	Surface	0.67	0.01679
2021	11-Aug-21	WO2021-08-009	Azimuth	LK1-32	Lake D1	Total Hg Unfiltered	ng/L	A	Surface	0.61	0.01679
2021	13-Aug-21	WO2021-08-009	Azimuth	A44-1	A44	Total Hg Unfiltered	ng/L	A	Surface	1.05	0.01679
2021	13-Aug-21	WO2021-08-009	Azimuth	A44-2	A44	Total Hg Unfiltered	ng/L	A	Surface	1.12	0.01679
2021	07-Aug-21	WO2021-08-009	Azimuth	MAM-64	Kangislulik	Total Hg Unfiltered	ng/L	B	Surface	0.53	0.01679
2021	10-Aug-21	WO2021-08-009	Azimuth	WTS-63	Whale Tail - South Basin	Total Hg Unfiltered	ng/L	B	Surface	1.01	0.01679
2021	10-Aug-21	WO2021-08-009	Azimuth	DI-1	FIELD BLANK	Total Hg Unfiltered	ng/L	A	Surface	<0.01679	0.01679
2021	15-Aug-21	WO2021-08-009	Azimuth	B3-1	B3	Total Hg Unfiltered	ng/L	A	Surface	0.39	0.01679
2021	15-Aug-21	WO2021-08-009	Azimuth	B3-2	B3	Total Hg Unfiltered	ng/L	A	Surface	0.47	0.01679
2021	12-Aug-21	WO2021-08-009	Azimuth	A65-1	A65	Total Hg Unfiltered	ng/L	A	Surface	1.57	0.01679
2021	12-Aug-21	WO2021-08-009	Azimuth	A65-2	A65	Total Hg Unfiltered	ng/L	A	Surface	1.71	0.01679
2021	15-Aug-21	WO2021-08-009	Azimuth	LK8-1	Lake 8	Total Hg Unfiltered	ng/L	A	Surface	0.38	0.01679
2021	15-Aug-21	WO2021-08-009	Azimuth	LK8-2	Lake 8	Total Hg Unfiltered	ng/L	A	Surface	0.36	0.01679
2021	15-Aug-21	WO2021-08-009	Azimuth	DS1-53	DS1	Total Hg Unfiltered	ng/L	A	Surface	0.89	0.01679
2021	15-Aug-21	WO2021-08-009	Azimuth	DS1-54	DS1	Total Hg Unfiltered	ng/L	A	Surface	1.64	0.01679
2021	16-Aug-21	WO2021-08-009	Azimuth	PDL-99	Pipedream	Total Hg Unfiltered	ng/L	A	Surface	0.28	0.01679
2021	16-Aug-21	WO2021-08-009	Azimuth	PDL-100	Pipedream	Total Hg Unfiltered	ng/L	A	Surface	0.31	0.01679
2021	18-Aug-21	WO2021-08-009	Azimuth	INUG-134	Inuggugayualik	Total Hg Unfiltered	ng/L	A	Surface	0.63	0.01679
2021	18-Aug-21	WO2021-08-009	Azimuth	INUG-135	Inuggugayualik	Total Hg Unfiltered	ng/L	A	Surface	0.61	0.01679
2021	07-Aug-21	WO2021-08-009	Azimuth	A76-55	A76	Total Hg Filtered	ng/L	A	Surface	<0.01679	0.01679
2021	07-Aug-21	WO2021-08-009	Azimuth	A76-56	A76	Total Hg Filtered	ng/L	A	Surface	<0.01679	0.01679
2021	07-Aug-21	WO2021-08-009	Azimuth	MAM-63	Kangislulik	Total Hg Filtered	ng/L	A	Surface	0.24	0.01679
2021	07-Aug-21	WO2021-08-009	Azimuth	MAM-64	Kangislulik	Total Hg Filtered	ng/L	A	Surface	0.20	0.01679
2021	10-Aug-21	WO2021-08-009	Azimuth	A20-57	A20	Total Hg Filtered	ng/L	A	Surface	0.41	0.01679
2021	10-Aug-21	WO2021-08-009	Azimuth	A20-58	A20	Total Hg Filtered	ng/L	A	Surface	0.37	0.01679
2021	10-Aug-21	WO2021-08-009	Azimuth	WTS-63	Whale Tail - South Basin	Total Hg Filtered	ng/L	A	Surface	0.39	0.01679
2021	10-Aug-21	WO2021-08-009	Azimuth	WTS-64	Whale Tail - South Basin	Total Hg Filtered	ng/L	A	Surface	0.45	0.01679
2021	11-Aug-21	WO2021-08-009	Azimuth	LK1-31	Lake D1	Total Hg Filtered	ng/L	A	Surface	0.30	0.01679
2021	11-Aug-21	WO2021-08-009	Azimuth	LK1-32	Lake D1	Total Hg Filtered	ng/L	A	Surface	0.28	0.01679
2021	13-Aug-21	WO2021-08-009	Azimuth	A44-1	A44	Total Hg Filtered	ng/L	A	Surface	0.54	0.01679
2021	13-Aug-21	WO2021-08-009	Azimuth	A44-2	A44	Total Hg Filtered	ng/L	A	Surface	0.57	0.01679
2021	07-Aug-21	WO2021-08-009	Azimuth	MAM-64	Kangislulik	Total Hg Filtered	ng/L	B	Surface	0.26	0.01679
2021	10-Aug-21	WO2021-08-009	Azimuth	WTS-63	Whale Tail - South Basin	Total Hg Filtered	ng/L	B	Surface	0.44	0.01679
2021	10-Aug-21	WO2021-08-009	Azimuth	DI-1	FIELD BLANK	Total Hg Filtered	ng/L	A	Surface	<0.01679	0.01679
2021	15-Aug-21	WO2021-08-009	Azimuth	B3-1	B3	Total Hg Filtered	ng/L	A	Surface	<0.01679	0.01679
2021	15-Aug-21	WO2021-08-009	Azimuth	B3-2	B3	Total Hg Filtered	ng/L	A	Surface	0.20	0.01679
2021	12-Aug-21	WO2021-08-009	Azimuth	A65-1	A65	Total Hg Filtered	ng/L	A	Surface	0.77	0.01679
2021	12-Aug-21	WO2021-08-009	Azimuth	A65-2	A65	Total Hg Filtered	ng/L	A	Surface	0.83	0.01679
2021	15-Aug-21	WO2021-08-009	Azimuth	LK8-1	Lake 8	Total Hg Filtered	ng/L	A	Surface	0.26	0.01679
2021	15-Aug-21	WO2021-08-009	Azimuth	LK8-2	Lake 8	Total Hg Filtered	ng/L	A	Surface	0.22	0.01679
2021	15-Aug-21	WO2021-08-009	Azimuth	DS1-53	DS1	Total Hg Filtered	ng/L	A	Surface	0.49	0.01679

Table A2-1. Total and methylmercury concentrations in unfiltered and filtered surface water samples collected for the Mercury Monitoring Program since 2016.
Note: Kangislulik Lake (KAN) previously referred to as Mammoth Lake (MAM).

Year	Date	Workorder	Collector	Site	Lake	Parameter	Units	Replicate	Sample Depth	Result	Detection Limit
2021	15-Aug-21	WO2021-08-009	Azimuth	DS1-54	DS1	Total Hg Filtered	ng/L	A	Surface	0.99	0.01679
2021	16-Aug-21	WO2021-08-009	Azimuth	PDL-99	Pipedream	Total Hg Filtered	ng/L	A	Surface	0.21	0.01679
2021	16-Aug-21	WO2021-08-009	Azimuth	PDL-100	Pipedream	Total Hg Filtered	ng/L	A	Surface	<0.01679	0.01679
2021	18-Aug-21	WO2021-08-009	Azimuth	INUG-134	Inuggugayualik	Total Hg Filtered	ng/L	A	Surface	0.349	0.01679
2021	18-Aug-21	WO2021-08-009	Azimuth	INUG-135	Inuggugayualik	Total Hg Filtered	ng/L	A	Surface	0.352	0.01679
2021	07-Aug-21	WO2021-08-009	Azimuth	A76-55	A76	MeHg Filtered	ng/L	A	Surface	<0.022	0.022
2021	07-Aug-21	WO2021-08-009	Azimuth	A76-56	A76	MeHg Filtered	ng/L	A	Surface	<0.022	0.022
2021	07-Aug-21	WO2021-08-009	Azimuth	MAM-63	Kangislulik	MeHg Filtered	ng/L	A	Surface	<0.022	0.022
2021	07-Aug-21	WO2021-08-009	Azimuth	MAM-64	Kangislulik	MeHg Filtered	ng/L	A	Surface	0.02	0.022
2021	10-Aug-21	WO2021-08-009	Azimuth	A20-57	A20	MeHg Filtered	ng/L	A	Surface	0.06	0.022
2021	10-Aug-21	WO2021-08-009	Azimuth	A20-58	A20	MeHg Filtered	ng/L	A	Surface	0.05	0.022
2021	10-Aug-21	WO2021-08-009	Azimuth	WTS-63	Whale Tail - South Basin	MeHg Filtered	ng/L	A	Surface	0.105	0.022
2021	10-Aug-21	WO2021-08-009	Azimuth	WTS-64	Whale Tail - South Basin	MeHg Filtered	ng/L	A	Surface	0.11	0.022
2021	11-Aug-21	WO2021-08-009	Azimuth	LK1-31	Lake D1	MeHg Filtered	ng/L	A	Surface	<0.022	0.022
2021	11-Aug-21	WO2021-08-009	Azimuth	LK1-32	Lake D1	MeHg Filtered	ng/L	A	Surface	<0.022	0.022
2021	13-Aug-21	WO2021-08-009	Azimuth	A44-1	A44	MeHg Filtered	ng/L	A	Surface	<0.022	0.022
2021	13-Aug-21	WO2021-08-009	Azimuth	A44-2	A44	MeHg Filtered	ng/L	A	Surface	<0.022	0.022
2021	07-Aug-21	WO2021-08-009	Azimuth	MAM-64	Kangislulik	MeHg Filtered	ng/L	B	Surface	0.025	0.022
2021	10-Aug-21	WO2021-08-009	Azimuth	WTS-63	Whale Tail - South Basin	MeHg Filtered	ng/L	B	Surface	0.12	0.022
2021	10-Aug-21	WO2021-08-009	Azimuth	DI-1	FIELD BLANK	MeHg Filtered	ng/L	A	Surface	<0.022	0.022
2021	15-Aug-21	WO2021-08-009	Azimuth	B3-1	B3	MeHg Filtered	ng/L	A	Surface	<0.022	0.022
2021	15-Aug-21	WO2021-08-009	Azimuth	B3-2	B3	MeHg Filtered	ng/L	A	Surface	<0.022	0.022
2021	12-Aug-21	WO2021-08-009	Azimuth	A65-1	A65	MeHg Filtered	ng/L	A	Surface	0.10	0.022
2021	12-Aug-21	WO2021-08-009	Azimuth	A65-2	A65	MeHg Filtered	ng/L	A	Surface	0.11	0.022
2021	15-Aug-21	WO2021-08-009	Azimuth	LK8-1	Lake 8	MeHg Filtered	ng/L	A	Surface	<0.022	0.022
2021	15-Aug-21	WO2021-08-009	Azimuth	LK8-2	Lake 8	MeHg Filtered	ng/L	A	Surface	<0.022	0.022
2021	15-Aug-21	WO2021-08-009	Azimuth	DS1-53	DS1	MeHg Filtered	ng/L	A	Surface	<0.022	0.022
2021	15-Aug-21	WO2021-08-009	Azimuth	DS1-54	DS1	MeHg Filtered	ng/L	A	Surface	0.043	0.022
2021	16-Aug-21	WO2021-08-009	Azimuth	PDL-99	Pipedream	MeHg Filtered	ng/L	A	Surface	<0.022	0.022
2021	16-Aug-21	WO2021-08-009	Azimuth	PDL-100	Pipedream	MeHg Filtered	ng/L	A	Surface	<0.022	0.022
2021	18-Aug-21	WO2021-08-009	Azimuth	INUG-134	Inuggugayualik	MeHg Filtered	ng/L	A	Surface	<0.022	0.022
2021	18-Aug-21	WO2021-08-009	Azimuth	INUG-135	Inuggugayualik	MeHg Filtered	ng/L	A	Surface	<0.022	0.022
2021	07-Aug-21	WO2021-08-009	Azimuth	A76-55	A76	MeHg Unfiltered	ng/L	A	Surface	<0.022	0.022
2021	07-Aug-21	WO2021-08-009	Azimuth	A76-56	A76	MeHg Unfiltered	ng/L	A	Surface	<0.022	0.022
2021	07-Aug-21	WO2021-08-009	Azimuth	MAM-63	Kangislulik	MeHg Unfiltered	ng/L	A	Surface	0.023	0.022
2021	07-Aug-21	WO2021-08-009	Azimuth	MAM-64	Kangislulik	MeHg Unfiltered	ng/L	A	Surface	0.04	0.022
2021	10-Aug-21	WO2021-08-009	Azimuth	A20-57	A20	MeHg Unfiltered	ng/L	A	Surface	0.25	0.022
2021	10-Aug-21	WO2021-08-009	Azimuth	A20-58	A20	MeHg Unfiltered	ng/L	A	Surface	0.16	0.022
2021	10-Aug-21	WO2021-08-009	Azimuth	WTS-63	Whale Tail - South Basin	MeHg Unfiltered	ng/L	A	Surface	0.44	0.022
2021	10-Aug-21	WO2021-08-009	Azimuth	WTS-64	Whale Tail - South Basin	MeHg Unfiltered	ng/L	A	Surface	0.45	0.022
2021	11-Aug-21	WO2021-08-009	Azimuth	LK1-31	Lake D1	MeHg Unfiltered	ng/L	A	Surface	0.032	0.022
2021	11-Aug-21	WO2021-08-009	Azimuth	LK1-32	Lake D1	MeHg Unfiltered	ng/L	A	Surface	0.029	0.022
2021	13-Aug-21	WO2021-08-009	Azimuth	A44-1	A44	MeHg Unfiltered	ng/L	A	Surface	0.052	0.022
2021	13-Aug-21	WO2021-08-009	Azimuth	A44-2	A44	MeHg Unfiltered	ng/L	A	Surface	0.039	0.022
2021	07-Aug-21	WO2021-08-009	Azimuth	MAM-64	Kangislulik	MeHg Unfiltered	ng/L	B	Surface	0.042	0.022
2021	10-Aug-21	WO2021-08-009	Azimuth	WTS-63	Whale Tail - South Basin	MeHg Unfiltered	ng/L	B	Surface	0.48	0.022
2021	10-Aug-21	WO2021-08-009	Azimuth	DI-1	FIELD BLANK	MeHg Unfiltered	ng/L	A	Surface	<0.022	0.022
2021	15-Aug-21	WO2021-08-009	Azimuth	B3-1	B3	MeHg Unfiltered	ng/L	A	Surface	<0.022	0.022
2021	15-Aug-21	WO2021-08-009	Azimuth	B3-2	B3	MeHg Unfiltered	ng/L	A	Surface	<0.022	0.022
2021	12-Aug-21	WO2021-08-009	Azimuth	A65-1	A65	MeHg Unfiltered	ng/L	A	Surface	0.30	0.022
2021	12-Aug-21	WO2021-08-009	Azimuth	A65-2	A65	MeHg Unfiltered	ng/L	A	Surface	0.30	0.022
2021	15-Aug-21	WO2021-08-009	Azimuth	LK8-1	Lake 8	MeHg Unfiltered	ng/L	A	Surface	0.08	0.022
2021	15-Aug-21	WO2021-08-009	Azimuth	LK8-2	Lake 8	MeHg Unfiltered	ng/L	A	Surface	<0.022	0.022
2021	15-Aug-21	WO2021-08-009	Azimuth	DS1-53	DS1	MeHg Unfiltered	ng/L	A	Surface	0.03	0.022
2021	15-Aug-21	WO2021-08-009	Azimuth	DS1-54	DS1	MeHg Unfiltered	ng/L	A	Surface	0.08	0.022
2021	16-Aug-21	WO2021-08-009	Azimuth	PDL-99	Pipedream	MeHg Unfiltered	ng/L	A	Surface	<0.022	0.022
2021	16-Aug-21	WO2021-08-009	Azimuth	PDL-100	Pipedream	MeHg Unfiltered	ng/L	A	Surface	<0.022	0.022
2021	18-Aug-21	WO2021-08-009	Azimuth	INUG-134	Inuggugayualik	MeHg Unfiltered	ng/L	A	Surface	<0.022	0.022
2021	18-Aug-21	WO2021-08-009	Azimuth	INUG-135	Inuggugayualik	MeHg Unfiltered	ng/L	A	Surface	0.02	0.022
2022	16-Aug-22	WO2022-08-006	Azimuth	DS1-63	DS1	Total Hg Unfiltered	ng/L	A	Surface	0.88	0.01679
2022	16-Aug-22	WO2022-08-006	Azimuth	DS1-64	DS1	Total Hg Unfiltered	ng/L	A	Surface	0.84	0.01679
2022	14-Aug-22	WO2022-08-006	Azimuth	INUG-145	Inuggugayualik	Total Hg Unfiltered	ng/L	A	Surface	0.58	0.01679
2022	14-Aug-22	WO2022-08-006	Azimuth	INUG-144	Inuggugayualik	Total Hg Unfiltered	ng/L	A	Surface	0.50	0.01679
2022	15-Aug-22	WO2022-08-006	Azimuth	PDL-109	Pipedream	Total Hg Unfiltered	ng/L	A	Surface	0.49	0.01679
2022	15-Aug-22	WO2022-08-006	Azimuth	PDL-110	Pipedream	Total Hg Unfiltered	ng/L	A	Surface	0.49	0.01679
2022	17-Aug-22	WO2022-08-006	Azimuth	WTS-73	Whale Tail - South Basin	Total Hg Unfiltered	ng/L	A	Surface	1.81	0.01679
2022	17-Aug-22	WO2022-08-006	Azimuth	WTS-74	Whale Tail - South Basin	Total Hg Unfiltered	ng/L	A	Surface	1.72	0.01679
2022	19-Aug-22	WO2022-08-006	Azimuth	A44-4	A44	Total Hg Unfiltered	ng/L	A	Surface	0.99	0.01679
2022	19-Aug-22	WO2022-08-006	Azimuth	A44-3	A44	Total Hg Unfiltered	ng/L	A	Surface	4.25	0.01679
2022	17-Aug-22	WO2022-08-006	Azimuth	MAM-73	Kangislulik	Total Hg Unfiltered	ng/L	A	Surface	0.90	0.01679
2022	17-Aug-22	WO2022-08-006	Azimuth	MAM-74	Kangislulik	Total Hg Unfiltered	ng/L	A	Surface	0.79	0.01679
2022	18-Aug-22	WO2022-08-006	Azimuth	B3-3	B3	Total Hg Unfiltered	ng/L	A	Surface	1.43	0.01679
2022	18-Aug-22	WO2022-08-006	Azimuth	B3-4	B3	Total Hg Unfiltered	ng/L	A	Surface	5.61	0.01679
2022	19-Aug-22	WO2022-08-006	Azimuth	A65-3	A65	Total Hg Unfiltered	ng/L	A	Surface	1.67	0.01679
2022	19-Aug-22	WO2022-08-006	Azimuth	A65-4	A65	Total Hg Unfiltered	ng/L	A	Surface	1.54	0.01679
2022	17-Aug-22	WO2022-08-006	Azimuth	A20-67	A20	Total Hg Unfiltered	ng/L	A	Surface	1.26	0.01679
2022	17-Aug-22	WO2022-08-006	Azimuth	A20-68	A20	Total Hg Unfiltered	ng/L	A	Surface	1.19	0.01679
2022	16-Aug-22	WO2022-08-006	Azimuth	A76-65	A76	Total Hg Unfiltered	ng/L	A	Surface	0.63	0.01679
2022	16-Aug-22	WO2022-08-006	Azimuth	A76-66	A76	Total Hg Unfiltered	ng/L	A	Surface	10.90	0.01679
2022	15-Aug-22	WO2022-08-006	Azimuth	MAM-74	Kangislulik	Total Hg Unfiltered	ng/L	B	Surface	1.38	0.01679
2022	19-Aug-22	WO2022-08-006	Azimuth	A44-4	A44	Total Hg Unfiltered	ng/L	B	Surface	1.49	0.01679
2022	22-Aug-22	WO2022-08-006	Azimuth	AUG-DI	DI BLANK	Total Hg Unfiltered	ng/L	A	Surface	0.32	0.01679
2022	22-Aug-22	WO2022-08-006	Azimuth	AUG-TB	TRAVEL BLANK	Total Hg Unfiltered	ng/L	A	Surface	0.17	0.01679
2022	16-Aug-22	WO2022-08-006	Azimuth	DS1-63	DS1	Total Hg Filtered	ng/L	A	Surface	0.30	0.01679
2022	16-Aug-22	WO2022-08-006	Azimuth	DS1-64	DS1	Total Hg Filtered	ng/L	A	Surface	0.48	0.01679
2022	14-Aug-22	WO2022-08-006	Azimuth	INUG-145	Inuggugayualik	Total Hg Filtered	ng/L	A	Surface	0.25	0.01679
2022	14-Aug-22	WO2022-08-006	Azimuth	INUG-144	Inuggugayualik	Total Hg Filtered	ng/L	A	Surface	0.28	0.01679
2022	15-Aug-22	WO2022-08-006	Azimuth	PDL-109	Pipedream	Total Hg Filtered	ng/L	A	Surface	0.30	0.01679
2022	15-Aug-22	WO2022-08-006	Azimuth	PDL-110	Pipedream	Total Hg Filtered	ng/L	A	Surface	0.26	0.01679
2022	17-Aug-22	WO2022-08-006	Azimuth	WTS-73	Whale Tail - South Basin	Total Hg Filtered	ng/L	A	Surface	0.60	0.01679
2022	17-Aug-22	WO2022-08-006	Azimuth	WTS-74	Whale Tail - South Basin	Total Hg Filtered	ng/L	A	Surface	0.46	0.01679
2022	19-Aug-22	WO2022-08-006	Azimuth	A44-4	A44	Total Hg Filtered	ng/L	A	Surface	0.41	0.01679
2022	19-Aug-22	WO2022-08-006	Azimuth	A44-3	A44	Total Hg Filtered	ng/L	A	Surface	0.59	0.01679
2022	17-Aug-22	WO2022-08-006	Azimuth	MAM-73	Kangislulik	Total Hg Filtered	ng/L	A	Surface	0.31	0.01679
2022	17-Aug-22	WO2022-08-006	Azimuth	MAM-74	Kangislulik	Total Hg Filtered	ng/L	A	Surface	0.39	0.01679
2022	18-Aug-22	WO2022-08-006	Azimuth	B3-3	B3	Total Hg Filtered	ng/L	A	Surface	0.39	0.01679
2022	18-Aug-22	WO2022-08-006	Azimuth	B3-4	B3	Total Hg Filtered	ng/L	A	Surface	1.74	0.01679

Table A2-1. Total and methylmercury concentrations in unfiltered and filtered surface water samples collected for the Mercury Monitoring Program since 2016.
Note: Kangislulik Lake (KAN) previously referred to as Mammoth Lake (MAM).

Year	Date	Workorder	Collector	Site	Lake	Parameter	Units	Replicate	Sample Depth	Result	Detection Limit
2022	19-Aug-22	WO2022-08-006	Azimuth	A65-3	A65	Total Hg Filtered	ng/L	A	Surface	0.45	0.01679
2022	19-Aug-22	WO2022-08-006	Azimuth	A65-4	A65	Total Hg Filtered	ng/L	A	Surface	0.41	0.01679
2022	17-Aug-22	WO2022-08-006	Azimuth	A20-67	A20	Total Hg Filtered	ng/L	A	Surface	0.33	0.01679
2022	17-Aug-22	WO2022-08-006	Azimuth	A20-68	A20	Total Hg Filtered	ng/L	A	Surface	0.31	0.01679
2022	16-Aug-22	WO2022-08-006	Azimuth	A76-65	A76	Total Hg Filtered	ng/L	A	Surface	0.17	0.01679
2022	16-Aug-22	WO2022-08-006	Azimuth	A76-66	A76	Total Hg Filtered	ng/L	A	Surface	2.44	0.01679
2022	15-Aug-22	WO2022-08-006	Azimuth	MAM-74	Kangislulik	Total Hg Filtered	ng/L	B	Surface	0.34	0.01679
2022	19-Aug-22	WO2022-08-006	Azimuth	A44-4	A44	Total Hg Filtered	ng/L	B	Surface	0.62	0.01679
2022	22-Aug-22	WO2022-08-006	Azimuth	AUG-DI	DI BLANK	Total Hg Filtered	ng/L	A	Surface	0.22	0.01679
2022	22-Aug-22	WO2022-08-006	Azimuth	AUG-TB	TRAVEL BLANK	Total Hg Filtered	ng/L	A	Surface	<0.01679	0.01679
2022	16-Aug-22	WO2022-08-006	Azimuth	DS1-63	DS1	MeHg Unfiltered	ng/L	A	Surface	0.04	0.0286
2022	16-Aug-22	WO2022-08-006	Azimuth	DS1-64	DS1	MeHg Unfiltered	ng/L	A	Surface	<0.0286	0.0286
2022	14-Aug-22	WO2022-08-006	Azimuth	INUG-145	Inuggugayualik	MeHg Unfiltered	ng/L	A	Surface	<0.0286	0.0286
2022	14-Aug-22	WO2022-08-006	Azimuth	INUG-144	Inuggugayualik	MeHg Unfiltered	ng/L	A	Surface	<0.0286	0.0286
2022	15-Aug-22	WO2022-08-006	Azimuth	PDL-109	Pipedream	MeHg Unfiltered	ng/L	A	Surface	<0.0286	0.0286
2022	15-Aug-22	WO2022-08-006	Azimuth	PDL-110	Pipedream	MeHg Unfiltered	ng/L	A	Surface	<0.0286	0.0286
2022	17-Aug-22	WO2022-08-006	Azimuth	WTS-73	Whale Tail - South Basin	MeHg Unfiltered	ng/L	A	Surface	0.63	0.0286
2022	17-Aug-22	WO2022-08-006	Azimuth	WTS-74	Whale Tail - South Basin	MeHg Unfiltered	ng/L	A	Surface	0.68	0.0286
2022	19-Aug-22	WO2022-08-006	Azimuth	A44-4	A44	MeHg Unfiltered	ng/L	A	Surface	0.03	0.0286
2022	19-Aug-22	WO2022-08-006	Azimuth	A44-3	A44	MeHg Unfiltered	ng/L	A	Surface	0.04	0.0286
2022	17-Aug-22	WO2022-08-006	Azimuth	MAM-73	Kangislulik	MeHg Unfiltered	ng/L	A	Surface	0.03	0.0286
2022	17-Aug-22	WO2022-08-006	Azimuth	MAM-74	Kangislulik	MeHg Unfiltered	ng/L	A	Surface	<0.0286	0.0286
2022	18-Aug-22	WO2022-08-006	Azimuth	B3-3	B3	MeHg Unfiltered	ng/L	A	Surface	<0.0286	0.0286
2022	18-Aug-22	WO2022-08-006	Azimuth	B3-4	B3	MeHg Unfiltered	ng/L	A	Surface	<0.0286	0.0286
2022	19-Aug-22	WO2022-08-006	Azimuth	A65-3	A65	MeHg Unfiltered	ng/L	A	Surface	0.30	0.0286
2022	19-Aug-22	WO2022-08-006	Azimuth	A65-4	A65	MeHg Unfiltered	ng/L	A	Surface	0.33	0.0286
2022	17-Aug-22	WO2022-08-006	Azimuth	A20-67	A20	MeHg Unfiltered	ng/L	A	Surface	0.14	0.0286
2022	17-Aug-22	WO2022-08-006	Azimuth	A20-68	A20	MeHg Unfiltered	ng/L	A	Surface	0.12	0.0286
2022	16-Aug-22	WO2022-08-006	Azimuth	A76-65	A76	MeHg Unfiltered	ng/L	A	Surface	<0.0286	0.0286
2022	16-Aug-22	WO2022-08-006	Azimuth	A76-66	A76	MeHg Unfiltered	ng/L	A	Surface	<0.0286	0.0286
2022	15-Aug-22	WO2022-08-006	Azimuth	MAM-74	Kangislulik	MeHg Unfiltered	ng/L	B	Surface	<0.0286	0.0286
2022	19-Aug-22	WO2022-08-006	Azimuth	A44-4	A44	MeHg Unfiltered	ng/L	B	Surface	<0.0286	0.0286
2022	22-Aug-22	WO2022-08-006	Azimuth	AUG-DI	DI BLANK	MeHg Unfiltered	ng/L	A	Surface	<0.0286	0.0286
2022	22-Aug-22	WO2022-08-006	Azimuth	AUG-TB	TRAVEL BLANK	MeHg Unfiltered	ng/L	A	Surface	<0.0286	0.0286
2022	16-Aug-22	WO2022-08-006	Azimuth	DS1-63	DS1	MeHg Filtered	ng/L	A	Surface	<0.0286	0.0286
2022	16-Aug-22	WO2022-08-006	Azimuth	DS1-64	DS1	MeHg Filtered	ng/L	A	Surface	<0.0286	0.0286
2022	14-Aug-22	WO2022-08-006	Azimuth	INUG-145	Inuggugayualik	MeHg Filtered	ng/L	A	Surface	<0.0286	0.0286
2022	14-Aug-22	WO2022-08-006	Azimuth	INUG-144	Inuggugayualik	MeHg Filtered	ng/L	A	Surface	<0.0286	0.0286
2022	15-Aug-22	WO2022-08-006	Azimuth	PDL-109	Pipedream	MeHg Filtered	ng/L	A	Surface	<0.0286	0.0286
2022	15-Aug-22	WO2022-08-006	Azimuth	PDL-110	Pipedream	MeHg Filtered	ng/L	A	Surface	<0.0286	0.0286
2022	17-Aug-22	WO2022-08-006	Azimuth	WTS-73	Whale Tail - South Basin	MeHg Filtered	ng/L	A	Surface	0.25	0.0286
2022	17-Aug-22	WO2022-08-006	Azimuth	WTS-74	Whale Tail - South Basin	MeHg Filtered	ng/L	A	Surface	0.16	0.0286
2022	19-Aug-22	WO2022-08-006	Azimuth	A44-4	A44	MeHg Filtered	ng/L	A	Surface	<0.0286	0.0286
2022	19-Aug-22	WO2022-08-006	Azimuth	A44-3	A44	MeHg Filtered	ng/L	A	Surface	<0.0286	0.0286
2022	17-Aug-22	WO2022-08-006	Azimuth	MAM-73	Kangislulik	MeHg Filtered	ng/L	A	Surface	<0.0286	0.0286
2022	17-Aug-22	WO2022-08-006	Azimuth	MAM-74	Kangislulik	MeHg Filtered	ng/L	A	Surface	<0.0286	0.0286
2022	18-Aug-22	WO2022-08-006	Azimuth	B3-3	B3	MeHg Filtered	ng/L	A	Surface	<0.0286	0.0286
2022	18-Aug-22	WO2022-08-006	Azimuth	B3-4	B3	MeHg Filtered	ng/L	A	Surface	<0.0286	0.0286
2022	19-Aug-22	WO2022-08-006	Azimuth	A65-3	A65	MeHg Filtered	ng/L	A	Surface	0.09	0.0286
2022	19-Aug-22	WO2022-08-006	Azimuth	A65-4	A65	MeHg Filtered	ng/L	A	Surface	0.08	0.0286
2022	17-Aug-22	WO2022-08-006	Azimuth	A20-67	A20	MeHg Filtered	ng/L	A	Surface	0.04	0.0286
2022	17-Aug-22	WO2022-08-006	Azimuth	A20-68	A20	MeHg Filtered	ng/L	A	Surface	0.04	0.0286
2022	16-Aug-22	WO2022-08-006	Azimuth	A76-65	A76	MeHg Filtered	ng/L	A	Surface	<0.0286	0.0286
2022	16-Aug-22	WO2022-08-006	Azimuth	A76-66	A76	MeHg Filtered	ng/L	A	Surface	<0.0286	0.0286
2022	15-Aug-22	WO2022-08-006	Azimuth	MAM-74	Kangislulik	MeHg Filtered	ng/L	B	Surface	<0.0286	0.0286
2022	19-Aug-22	WO2022-08-006	Azimuth	A44-4	A44	MeHg Filtered	ng/L	B	Surface	<0.0286	0.0286
2022	22-Aug-22	WO2022-08-006	Azimuth	AUG-DI	DI BLANK	MeHg Filtered	ng/L	A	Surface	<0.0286	0.0286
2022	22-Aug-22	WO2022-08-006	Azimuth	AUG-TB	TRAVEL BLANK	MeHg Filtered	ng/L	A	Surface	<0.0286	0.0286
2023	22-Aug-23	WO2023-08-012	Azimuth	INUG-152	Inuggugayualik	Total Hg Unfiltered	ng/L	A	Surface	0.38	0.1603
2023	22-Aug-23	WO2023-08-012	Azimuth	INUG-153	Inuggugayualik	Total Hg Unfiltered	ng/L	A	Surface	0.30	0.1603
2023	22-Aug-23	WO2023-08-012	Azimuth	PDL-117	Pipedream	Total Hg Unfiltered	ng/L	A	Surface	<0.1603	0.1603
2023	22-Aug-23	WO2023-08-012	Azimuth	PDL-118	Pipedream	Total Hg Unfiltered	ng/L	A	Surface	0.17	0.1603
2023	17-Aug-23	WO2023-08-012	Azimuth	DS1-71	DS1	Total Hg Unfiltered	ng/L	A	Surface	0.45	0.1603
2023	17-Aug-23	WO2023-08-012	Azimuth	DS1-72	DS1	Total Hg Unfiltered	ng/L	A	Surface	0.60	0.1603
2023	14-Aug-23	WO2023-08-012	Azimuth	WTS-81	Whale Tail - South Basin	Total Hg Unfiltered	ng/L	A	Surface	0.99	0.1603
2023	14-Aug-23	WO2023-08-012	Azimuth	WTS-82	Whale Tail - South Basin	Total Hg Unfiltered	ng/L	A	Surface	0.97	0.1603
2023	15-Aug-23	WO2023-08-012	Azimuth	MAM-81	Kangislulik	Total Hg Unfiltered	ng/L	A	Surface	0.44	0.1603
2023	15-Aug-23	WO2023-08-012	Azimuth	MAM-82	Kangislulik	Total Hg Unfiltered	ng/L	A	Surface	0.40	0.1603
2023	20-Aug-23	WO2023-08-012	Azimuth	A65-5	A65	Total Hg Unfiltered	ng/L	A	Surface	0.85	0.1603
2023	20-Aug-23	WO2023-08-012	Azimuth	A65-6	A65	Total Hg Unfiltered	ng/L	A	Surface	0.75	0.1603
2023	18-Aug-23	WO2023-08-012	Azimuth	A20-75	A20	Total Hg Unfiltered	ng/L	A	Surface	0.49	0.1603
2023	18-Aug-23	WO2023-08-012	Azimuth	A20-76	A20	Total Hg Unfiltered	ng/L	A	Surface	0.38	0.1603
2023	15-Aug-23	WO2023-08-012	Azimuth	MAM-82	Kangislulik	Total Hg Unfiltered	ng/L	B	Surface	0.33	0.1603
2023	18-Aug-23	WO2023-08-012	Azimuth	A20-75	A20	Total Hg Unfiltered	ng/L	B	Surface	0.44	0.1603
2023	20-Aug-23	WO2023-08-012	Azimuth	DI-Blank	DI BLANK	Total Hg Unfiltered	ng/L	A	Surface	<0.1603	0.1603
2023	20-Aug-23	WO2023-08-012	Azimuth	AUG-TB	TRAVEL BLANK	Total Hg Unfiltered	ng/L	A	Surface	<0.1603	0.1603
2023	22-Aug-23	WO2023-08-012	Azimuth	INUG-152	Inuggugayualik	Total Hg Filtered	ng/L	A	Surface	0.27	0.1603
2023	22-Aug-23	WO2023-08-012	Azimuth	INUG-153	Inuggugayualik	Total Hg Filtered	ng/L	A	Surface	0.31	0.1603
2023	22-Aug-23	WO2023-08-012	Azimuth	PDL-117	Pipedream	Total Hg Filtered	ng/L	A	Surface	<0.1603	0.1603
2023	22-Aug-23	WO2023-08-012	Azimuth	PDL-118	Pipedream	Total Hg Filtered	ng/L	A	Surface	<0.1603	0.1603
2023	17-Aug-23	WO2023-08-012	Azimuth	DS1-71	DS1	Total Hg Filtered	ng/L	A	Surface	0.18	0.1603
2023	17-Aug-23	WO2023-08-012	Azimuth	DS1-72	DS1	Total Hg Filtered	ng/L	A	Surface	0.17	0.1603
2023	14-Aug-23	WO2023-08-012	Azimuth	WTS-81	Whale Tail - South Basin	Total Hg Filtered	ng/L	A	Surface	0.38	0.1603
2023	14-Aug-23	WO2023-08-012	Azimuth	WTS-82	Whale Tail - South Basin	Total Hg Filtered	ng/L	A	Surface	0.33	0.1603
2023	15-Aug-23	WO2023-08-012	Azimuth	MAM-81	Kangislulik	Total Hg Filtered	ng/L	A	Surface	0.19	0.1603
2023	15-Aug-23	WO2023-08-012	Azimuth	MAM-82	Kangislulik	Total Hg Filtered	ng/L	A	Surface	0.23	0.1603
2023	20-Aug-23	WO2023-08-012	Azimuth	A65-5	A65	Total Hg Filtered	ng/L	A	Surface	0.31	0.1603
2023	20-Aug-23	WO2023-08-012	Azimuth	A65-6	A65	Total Hg Filtered	ng/L	A	Surface	0.26	0.1603
2023	18-Aug-23	WO2023-08-012	Azimuth	A20-75	A20	Total Hg Filtered	ng/L	A	Surface	0.22	0.1603
2023	18-Aug-23	WO2023-08-012	Azimuth	A20-76	A20	Total Hg Filtered	ng/L	A	Surface	0.23	0.1603
2023	15-Aug-23	WO2023-08-012	Azimuth	MAM-82	Kangislulik	Total Hg Filtered	ng/L	B	Surface	0.21	0.1603
2023	18-Aug-23	WO2023-08-012	Azimuth	A20-75	A20	Total Hg Filtered	ng/L	B	Surface	0.40	0.1603
2023	20-Aug-23	WO2023-08-012	Azimuth	DI-Blank	DI BLANK	Total Hg Filtered	ng/L	A	Surface	<0.1603	0.1603
2023	20-Aug-23	WO2023-08-012	Azimuth	AUG-TB	TRAVEL BLANK	Total Hg Filtered	ng/L	A	Surface	<0.1603	0.1603
2023	22-Aug-23	WO2023-08-012	Azimuth	INUG-152	Inuggugayualik	MeHg Unfiltered	ng/L	A	Surface	<0.0342	0.0342
2023	22-Aug-23	WO2023-08-012	Azimuth	INUG-153	Inuggugayualik	MeHg Unfiltered	ng/L	A	Surface	<0.0342	0.0342
2023	22-Aug-23	WO2023-08-012	Azimuth	PDL-117	Pipedream	MeHg Unfiltered	ng/L	A	Surface	<0.0342	0.0342

Table A2-1. Total and methylmercury concentrations in unfiltered and filtered surface water samples collected for the Mercury Monitoring Program since 2016.
Note: Kangislulik Lake (KAN) previously referred to as Mammoth Lake (MAM).

Year	Date	Workorder	Collector	Site	Lake	Parameter	Units	Replicate	Sample Depth	Result	Detection Limit
2023	22-Aug-23	WO2023-08-012	Azimuth	PDL-118	Pipedream	MeHg Unfiltered	ng/L	A	Surface	<0.0342	0.0342
2023	17-Aug-23	WO2023-08-012	Azimuth	DS1-71	DS1	MeHg Unfiltered	ng/L	A	Surface	<0.0342	0.0342
2023	17-Aug-23	WO2023-08-012	Azimuth	DS1-72	DS1	MeHg Unfiltered	ng/L	A	Surface	0.06	0.0342
2023	14-Aug-23	WO2023-08-012	Azimuth	WTS-81	Whale Tail - South Basin	MeHg Unfiltered	ng/L	A	Surface	0.54	0.0342
2023	14-Aug-23	WO2023-08-012	Azimuth	WTS-82	Whale Tail - South Basin	MeHg Unfiltered	ng/L	A	Surface	0.56	0.0342
2023	15-Aug-23	WO2023-08-012	Azimuth	MAM-81	Kangislulik	MeHg Unfiltered	ng/L	A	Surface	0.05	0.0342
2023	15-Aug-23	WO2023-08-012	Azimuth	MAM-82	Kangislulik	MeHg Unfiltered	ng/L	A	Surface	<0.0342	0.0342
2023	20-Aug-23	WO2023-08-012	Azimuth	A65-5	A65	MeHg Unfiltered	ng/L	A	Surface	0.33	0.0342
2023	20-Aug-23	WO2023-08-012	Azimuth	A65-6	A65	MeHg Unfiltered	ng/L	A	Surface	0.24	0.0342
2023	18-Aug-23	WO2023-08-012	Azimuth	A20-75	A20	MeHg Unfiltered	ng/L	A	Surface	0.12	0.0342
2023	18-Aug-23	WO2023-08-012	Azimuth	A20-76	A20	MeHg Unfiltered	ng/L	A	Surface	0.09	0.0342
2023	15-Aug-23	WO2023-08-012	Azimuth	MAM-82	Kangislulik	MeHg Unfiltered	ng/L	B	Surface	<0.0342	0.0342
2023	18-Aug-23	WO2023-08-012	Azimuth	A20-75	A20	MeHg Unfiltered	ng/L	B	Surface	0.13	0.0342
2023	20-Aug-23	WO2023-08-012	Azimuth	DI-Blank	DI BLANK	MeHg Unfiltered	ng/L	A	Surface	<0.0342	0.0342
2023	20-Aug-23	WO2023-08-012	Azimuth	AUG-TB	TRAVEL BLANK	MeHg Unfiltered	ng/L	A	Surface	<0.0342	0.0342
2023	22-Aug-23	WO2023-08-012	Azimuth	INUG-152	Inuggugayualik	MeHg Filtered	ng/L	A	Surface	<0.0342	0.0342
2023	22-Aug-23	WO2023-08-012	Azimuth	INUG-153	Inuggugayualik	MeHg Filtered	ng/L	A	Surface	<0.0342	0.0342
2023	22-Aug-23	WO2023-08-012	Azimuth	PDL-117	Pipedream	MeHg Filtered	ng/L	A	Surface	<0.0342	0.0342
2023	22-Aug-23	WO2023-08-012	Azimuth	PDL-118	Pipedream	MeHg Filtered	ng/L	A	Surface	<0.0342	0.0342
2023	17-Aug-23	WO2023-08-012	Azimuth	DS1-71	DS1	MeHg Filtered	ng/L	A	Surface	<0.0342	0.0342
2023	17-Aug-23	WO2023-08-012	Azimuth	DS1-72	DS1	MeHg Filtered	ng/L	A	Surface	<0.0342	0.0342
2023	14-Aug-23	WO2023-08-012	Azimuth	WTS-81	Whale Tail - South Basin	MeHg Filtered	ng/L	A	Surface	0.11	0.0342
2023	14-Aug-23	WO2023-08-012	Azimuth	WTS-82	Whale Tail - South Basin	MeHg Filtered	ng/L	A	Surface	0.11	0.0342
2023	15-Aug-23	WO2023-08-012	Azimuth	MAM-81	Kangislulik	MeHg Filtered	ng/L	A	Surface	<0.0342	0.0342
2023	15-Aug-23	WO2023-08-012	Azimuth	MAM-82	Kangislulik	MeHg Filtered	ng/L	A	Surface	<0.0342	0.0342
2023	20-Aug-23	WO2023-08-012	Azimuth	A65-5	A65	MeHg Filtered	ng/L	A	Surface	0.08	0.0342
2023	20-Aug-23	WO2023-08-012	Azimuth	A65-6	A65	MeHg Filtered	ng/L	A	Surface	0.07	0.0342
2023	18-Aug-23	WO2023-08-012	Azimuth	A20-75	A20	MeHg Filtered	ng/L	A	Surface	0.05	0.0342
2023	18-Aug-23	WO2023-08-012	Azimuth	A20-76	A20	MeHg Filtered	ng/L	A	Surface	<0.0342	0.0342
2023	15-Aug-23	WO2023-08-012	Azimuth	MAM-82	Kangislulik	MeHg Filtered	ng/L	B	Surface	<0.0342	0.0342
2023	18-Aug-23	WO2023-08-012	Azimuth	A20-75	A20	MeHg Filtered	ng/L	B	Surface	<0.0342	0.0342
2023	20-Aug-23	WO2023-08-012	Azimuth	DI-Blank	DI BLANK	MeHg Filtered	ng/L	A	Surface	<0.0342	0.0342
2023	20-Aug-23	WO2023-08-012	Azimuth	AUG-TB	TRAVEL BLANK	MeHg Filtered	ng/L	A	Surface	<0.0342	0.0342
2024	10-Aug-24	WO2024-08-006	Azimuth	INUG-162	Inuggugayualik	Total Hg Filtered	ng/L	A	Surface	<0.16	0.16
2024	10-Aug-24	WO2024-08-006	Azimuth	INUG-163	Inuggugayualik	Total Hg Filtered	ng/L	A	Surface	0.165	0.16
2024	11-Aug-24	WO2024-08-006	Azimuth	PDL-127	Pipedream	Total Hg Filtered	ng/L	A	Surface	<0.16	0.16
2024	11-Aug-24	WO2024-08-006	Azimuth	PDL-128	Pipedream	Total Hg Filtered	ng/L	A	Surface	<0.16	0.16
2024	18-Aug-24	WO2024-08-006	Azimuth	A20-85	A20	Total Hg Filtered	ng/L	A	Surface	0.187	0.16
2024	18-Aug-24	WO2024-08-006	Azimuth	A20-86	A20	Total Hg Filtered	ng/L	A	Surface	0.177	0.16
2024	14-Aug-24	WO2024-08-006	Azimuth	WTS-93	Whale Tail - South Basin	Total Hg Filtered	ng/L	A	Surface	0.224	0.16
2024	14-Aug-24	WO2024-08-006	Azimuth	WTS-94	Whale Tail - South Basin	Total Hg Filtered	ng/L	A	Surface	0.198	0.16
2024	15-Aug-24	WO2024-08-006	Azimuth	MAM-93	Kangislulik	Total Hg Filtered	ng/L	A	Surface	<0.16	0.16
2024	15-Aug-24	WO2024-08-006	Azimuth	MAM-94	Kangislulik	Total Hg Filtered	ng/L	A	Surface	<0.16	0.16
2024	14-Aug-24	WO2024-08-006	Azimuth	A65-7	A65	Total Hg Filtered	ng/L	A	Surface	0.332	0.16
2024	14-Aug-24	WO2024-08-006	Azimuth	A65-8	A65	Total Hg Filtered	ng/L	A	Surface	0.319	0.16
2024	11-Aug-24	WO2024-08-006	Azimuth	AUG-DUP-1	DUPLICATE	Total Hg Filtered	ng/L	B	Surface	<0.16	0.16
2024	14-Aug-24	WO2024-08-006	Azimuth	AUG-DUP-2	DUPLICATE	Total Hg Filtered	ng/L	C	Surface	0.258	0.16
2024	18-Aug-24	WO2024-08-006	Azimuth	DI-Blank	DI BLANK	Total Hg Filtered	ng/L	A	Surface	<0.16	0.16
2024	18-Aug-24	WO2024-08-006	Azimuth	AUG-TB	TRAVEL BLANK	Total Hg Filtered	ng/L	A	Surface	<0.16	0.16
2024	10-Aug-24	WO2024-08-006	Azimuth	INUG-162	Inuggugayualik	Total Hg Unfiltered	ng/L	A	Surface	0.267	0.16
2024	10-Aug-24	WO2024-08-006	Azimuth	INUG-163	Inuggugayualik	Total Hg Unfiltered	ng/L	A	Surface	0.297	0.16
2024	11-Aug-24	WO2024-08-006	Azimuth	PDL-127	Pipedream	Total Hg Unfiltered	ng/L	A	Surface	0.164	0.16
2024	11-Aug-24	WO2024-08-006	Azimuth	PDL-128	Pipedream	Total Hg Unfiltered	ng/L	A	Surface	0.162	0.16
2024	18-Aug-24	WO2024-08-006	Azimuth	A20-85	A20	Total Hg Unfiltered	ng/L	A	Surface	0.361	0.16
2024	18-Aug-24	WO2024-08-006	Azimuth	A20-86	A20	Total Hg Unfiltered	ng/L	A	Surface	0.401	0.16
2024	14-Aug-24	WO2024-08-006	Azimuth	WTS-93	Whale Tail - South Basin	Total Hg Unfiltered	ng/L	A	Surface	0.549	0.16
2024	14-Aug-24	WO2024-08-006	Azimuth	WTS-94	Whale Tail - South Basin	Total Hg Unfiltered	ng/L	A	Surface	0.594	0.16
2024	15-Aug-24	WO2024-08-006	Azimuth	MAM-93	Kangislulik	Total Hg Unfiltered	ng/L	A	Surface	0.354	0.16
2024	15-Aug-24	WO2024-08-006	Azimuth	MAM-94	Kangislulik	Total Hg Unfiltered	ng/L	A	Surface	0.365	0.16
2024	14-Aug-24	WO2024-08-006	Azimuth	A65-7	A65	Total Hg Unfiltered	ng/L	A	Surface	0.860	0.16
2024	14-Aug-24	WO2024-08-006	Azimuth	A65-8	A65	Total Hg Unfiltered	ng/L	A	Surface	0.859	0.16
2024	11-Aug-24	WO2024-08-006	Azimuth	AUG-DUP-1	DUPLICATE	Total Hg Unfiltered	ng/L	B	Surface	0.196	0.16
2024	14-Aug-24	WO2024-08-006	Azimuth	AUG-DUP-2	DUPLICATE	Total Hg Unfiltered	ng/L	C	Surface	0.618	0.16
2024	18-Aug-24	WO2024-08-006	Azimuth	DI-Blank	DI BLANK	Total Hg Unfiltered	ng/L	A	Surface	<0.16	0.16
2024	18-Aug-24	WO2024-08-006	Azimuth	AUG-TB	TRAVEL BLANK	Total Hg Unfiltered	ng/L	A	Surface	<0.16	0.16
2024	10-Aug-24	WO2024-08-006	Azimuth	INUG-162	Inuggugayualik	MeHg Filtered	ng/L	A	Surface	<0.022	0.022
2024	10-Aug-24	WO2024-08-006	Azimuth	INUG-163	Inuggugayualik	MeHg Filtered	ng/L	A	Surface	<0.022	0.022
2024	11-Aug-24	WO2024-08-006	Azimuth	PDL-127	Pipedream	MeHg Filtered	ng/L	A	Surface	<0.022	0.022
2024	11-Aug-24	WO2024-08-006	Azimuth	PDL-128	Pipedream	MeHg Filtered	ng/L	A	Surface	<0.022	0.022
2024	18-Aug-24	WO2024-08-006	Azimuth	A20-85	A20	MeHg Filtered	ng/L	A	Surface	<0.022	0.022
2024	18-Aug-24	WO2024-08-006	Azimuth	A20-86	A20	MeHg Filtered	ng/L	A	Surface	0.0231	0.022
2024	14-Aug-24	WO2024-08-006	Azimuth	WTS-93	Whale Tail - South Basin	MeHg Filtered	ng/L	A	Surface	0.0672	0.022
2024	14-Aug-24	WO2024-08-006	Azimuth	WTS-94	Whale Tail - South Basin	MeHg Filtered	ng/L	A	Surface	0.0539	0.022
2024	15-Aug-24	WO2024-08-006	Azimuth	MAM-93	Kangislulik	MeHg Filtered	ng/L	A	Surface	<0.022	0.022
2024	15-Aug-24	WO2024-08-006	Azimuth	MAM-94	Kangislulik	MeHg Filtered	ng/L	A	Surface	<0.022	0.022
2024	14-Aug-24	WO2024-08-006	Azimuth	A65-7	A65	MeHg Filtered	ng/L	A	Surface	0.0595	0.022
2024	14-Aug-24	WO2024-08-006	Azimuth	A65-8	A65	MeHg Filtered	ng/L	A	Surface	0.0663	0.022
2024	11-Aug-24	WO2024-08-006	Azimuth	AUG-DUP-1	DUPLICATE	MeHg Filtered	ng/L	B	Surface	<0.022	0.022
2024	14-Aug-24	WO2024-08-006	Azimuth	AUG-DUP-2	DUPLICATE	MeHg Filtered	ng/L	C	Surface	0.0894	0.022
2024	18-Aug-24	WO2024-08-006	Azimuth	DI-Blank	DI BLANK	MeHg Filtered	ng/L	A	Surface	<0.022	0.022
2024	18-Aug-24	WO2024-08-006	Azimuth	AUG-TB	TRAVEL BLANK	MeHg Filtered	ng/L	A	Surface	<0.022	0.022
2024	10-Aug-24	WO2024-08-006	Azimuth	INUG-162	Inuggugayualik	MeHg Unfiltered	ng/L	A	Surface	<0.022	0.022
2024	10-Aug-24	WO2024-08-006	Azimuth	INUG-163	Inuggugayualik	MeHg Unfiltered	ng/L	A	Surface	<0.022	0.022
2024	11-Aug-24	WO2024-08-006	Azimuth	PDL-127	Pipedream	MeHg Unfiltered	ng/L	A	Surface	<0.022	0.022
2024	11-Aug-24	WO2024-08-006	Azimuth	PDL-128	Pipedream	MeHg Unfiltered	ng/L	A	Surface	<0.022	0.022
2024	18-Aug-24	WO2024-08-006	Azimuth	A20-85	A20	MeHg Unfiltered	ng/L	A	Surface	0.0655	0.022
2024	18-Aug-24	WO2024-08-006	Azimuth	A20-86	A20	MeHg Unfiltered	ng/L	A	Surface	0.0822	0.022
2024	14-Aug-24	WO2024-08-006	Azimuth	WTS-93	Whale Tail - South Basin	MeHg Unfiltered	ng/L	A	Surface	0.2177	0.022
2024	14-Aug-24	WO2024-08-006	Azimuth	WTS-94	Whale Tail - South Basin	MeHg Unfiltered	ng/L	A	Surface	0.2418	0.022
2024	15-Aug-24	WO2024-08-006	Azimuth	MAM-93	Kangislulik	MeHg Unfiltered	ng/L	A	Surface	<0.022	0.022
2024	15-Aug-24	WO2024-08-006	Azimuth	MAM-94	Kangislulik	MeHg Unfiltered	ng/L	A	Surface	<0.022	0.022
2024	14-Aug-24	WO2024-08-006	Azimuth	A65-7	A65	MeHg Unfiltered	ng/L	A	Surface	0.2096	0.022
2024	14-Aug-24	WO2024-08-006	Azimuth	A65-8	A65	MeHg Unfiltered	ng/L	A	Surface	0.1914	0.022
2024	11-Aug-24	WO2024-08-006	Azimuth	AUG-DUP-1	DUPLICATE	MeHg Unfiltered	ng/L	B	Surface	<0.022	0.022
2024	14-Aug-24	WO2024-08-006	Azimuth	AUG-DUP-2	DUPLICATE	MeHg Unfiltered	ng/L	C	Surface	0.2676	0.022
2024	18-Aug-24	WO2024-08-006	Azimuth	DI-Blank	DI BLANK	MeHg Unfiltered	ng/L	A	Surface	<0.022	0.022
2024	18-Aug-24	WO2024-08-006	Azimuth	AUG-TB	TRAVEL BLANK	MeHg Unfiltered	ng/L	A	Surface	<0.022	0.022

Table A2-1. Total and methylmercury concentrations in unfiltered and filtered surface water samples collected for the Mercury Monitoring Program since 2016.
Note: Kangislulik Lake (KAN) previously referred to as Mammoth Lake (MAM).

Year	Date	Workorder	Collector	Site	Lake	Parameter	Units	Replicate	Sample Depth	Result	Detection Limit
2024	17-Sep-24	WO2024-09-003	Azimuth	WTS-A	Whale Tail - South Basin	Total Hg Filtered	ng/L	A	Surface	0.274	0.16
2024	17-Sep-24	WO2024-09-003	Azimuth	WTS-B	Whale Tail - South Basin	Total Hg Filtered	ng/L	A	Surface	0.281	0.16
2024	17-Sep-24	WO2024-09-003	Azimuth	A20-A	A20	Total Hg Filtered	ng/L	A	Surface	0.201	0.16
2024	17-Sep-24	WO2024-09-003	Azimuth	A20-B	A20	Total Hg Filtered	ng/L	A	Surface	0.222	0.16
2024	17-Sep-24	WO2024-09-003	Azimuth	WTS-A	Whale Tail - South Basin	Total Hg Unfiltered	ng/L	A	Surface	0.603	0.16
2024	17-Sep-24	WO2024-09-003	Azimuth	WTS-B	Whale Tail - South Basin	Total Hg Unfiltered	ng/L	A	Surface	0.590	0.16
2024	17-Sep-24	WO2024-09-003	Azimuth	A20-A	A20	Total Hg Unfiltered	ng/L	A	Surface	0.439	0.16
2024	17-Sep-24	WO2024-09-003	Azimuth	A20-B	A20	Total Hg Unfiltered	ng/L	A	Surface	0.476	0.16
2024	17-Sep-24	WO2024-09-003	Azimuth	WTS-A	Whale Tail - South Basin	MeHg Filtered	ng/L	A	Surface	0.099	0.022
2024	17-Sep-24	WO2024-09-003	Azimuth	WTS-B	Whale Tail - South Basin	MeHg Filtered	ng/L	A	Surface	0.106	0.022
2024	17-Sep-24	WO2024-09-003	Azimuth	A20-A	A20	MeHg Filtered	ng/L	A	Surface	0.041	0.022
2024	17-Sep-24	WO2024-09-003	Azimuth	A20-B	A20	MeHg Filtered	ng/L	A	Surface	0.053	0.022
2024	17-Sep-24	WO2024-09-003	Azimuth	WTS-A	Whale Tail - South Basin	MeHg Unfiltered	ng/L	A	Surface	0.228	0.022
2024	17-Sep-24	WO2024-09-003	Azimuth	WTS-B	Whale Tail - South Basin	MeHg Unfiltered	ng/L	A	Surface	0.230	0.022
2024	17-Sep-24	WO2024-09-003	Azimuth	A20-A	A20	MeHg Unfiltered	ng/L	A	Surface	0.082	0.022
2024	17-Sep-24	WO2024-09-003	Azimuth	A20-B	A20	MeHg Unfiltered	ng/L	A	Surface	0.100	0.022
2025	16-Aug-25	WO2025-08-009	Azimuth	A20-95	A20	MeHg Filtered	ng/L	A	Surface	<0.023	0.023
2025	16-Aug-25	WO2025-08-009	Azimuth	A20-96	A20	MeHg Filtered	ng/L	A	Surface	0.026	0.023
2025	12-Aug-25	WO2025-08-009	Azimuth	INUG-172	Inuggugayualik	Total Hg Filtered	ng/L	A	Surface	0.153	0.151
2025	12-Aug-25	WO2025-08-009	Azimuth	INUG-173	Inuggugayualik	Total Hg Filtered	ng/L	A	Surface	0.153	0.151
2025	12-Aug-25	WO2025-08-009	Azimuth	PDL-137	Pipedream	Total Hg Filtered	ng/L	A	Surface	<0.151	0.151
2025	12-Aug-25	WO2025-08-009	Azimuth	PDL-138	Pipedream	Total Hg Filtered	ng/L	A	Surface	<0.151	0.151
2025	12-Aug-25	WO2025-08-009	Azimuth	INUG-172	Inuggugayualik	Total Hg Unfiltered	ng/L	A	Surface	0.318	0.151
2025	12-Aug-25	WO2025-08-009	Azimuth	INUG-173	Inuggugayualik	Total Hg Unfiltered	ng/L	A	Surface	0.351	0.151
2025	12-Aug-25	WO2025-08-009	Azimuth	PDL-137	Pipedream	Total Hg Unfiltered	ng/L	A	Surface	0.188	0.151
2025	12-Aug-25	WO2025-08-009	Azimuth	PDL-138	Pipedream	Total Hg Unfiltered	ng/L	A	Surface	0.198	0.151
2025	16-Aug-25	WO2025-08-009	Azimuth	A20-95	A20	Total Hg Filtered	ng/L	A	Surface	0.166	0.151
2025	16-Aug-25	WO2025-08-009	Azimuth	A20-96	A20	Total Hg Filtered	ng/L	A	Surface	0.181	0.151
2025	18-Aug-25	WO2025-08-009	Azimuth	WTS-103	Whale Tail - South Basin	Total Hg Filtered	ng/L	A	Surface	0.245	0.151
2025	18-Aug-25	WO2025-08-009	Azimuth	WTS-104	Whale Tail - South Basin	Total Hg Filtered	ng/L	A	Surface	0.234	0.151
2025	17-Aug-25	WO2025-08-009	Azimuth	MAM-103	Kangislulik	Total Hg Filtered	ng/L	A	Surface	<0.151	0.151
2025	17-Aug-25	WO2025-08-009	Azimuth	MAM-104	Kangislulik	Total Hg Filtered	ng/L	A	Surface	<0.151	0.151
2025	18-Aug-25	WO2025-08-009	Azimuth	A65-9	A65	Total Hg Filtered	ng/L	A	Surface	0.282	0.151
2025	18-Aug-25	WO2025-08-009	Azimuth	A65-10	A65	Total Hg Filtered	ng/L	A	Surface	0.269	0.151
2025	18-Aug-25	WO2025-08-009	Azimuth	DUP-2	DUPLICATE	Total Hg Filtered	ng/L	C	Surface	0.314	0.151
2025	16-Aug-25	WO2025-08-009	Azimuth	DUP-1	DUPLICATE	Total Hg Filtered	ng/L	B	Surface	0.187	0.151
2025	21-Aug-25	WO2025-08-009	Azimuth	DI-Blank	DI BLANK	Total Hg Filtered	ng/L	A	Surface	<0.151	0.151
2025	16-Aug-25	WO2025-08-009	Azimuth	AUG-TB	TRAVEL BLANK	Total Hg Filtered	ng/L	A	Surface	<0.151	0.151
2025	16-Aug-25	WO2025-08-009	Azimuth	A20-95	A20	Total Hg Unfiltered	ng/L	A	Surface	0.425	0.151
2025	16-Aug-25	WO2025-08-009	Azimuth	A20-96	A20	Total Hg Unfiltered	ng/L	A	Surface	0.485	0.151
2025	18-Aug-25	WO2025-08-009	Azimuth	WTS-103	Whale Tail - South Basin	Total Hg Unfiltered	ng/L	A	Surface	0.667	0.151
2025	18-Aug-25	WO2025-08-009	Azimuth	WTS-104	Whale Tail - South Basin	Total Hg Unfiltered	ng/L	A	Surface	0.627	0.151
2025	17-Aug-25	WO2025-08-009	Azimuth	MAM-103	Kangislulik	Total Hg Unfiltered	ng/L	A	Surface	0.383	0.151
2025	17-Aug-25	WO2025-08-009	Azimuth	MAM-104	Kangislulik	Total Hg Unfiltered	ng/L	A	Surface	0.359	0.151
2025	18-Aug-25	WO2025-08-009	Azimuth	A65-9	A65	Total Hg Unfiltered	ng/L	A	Surface	0.73	0.151
2025	18-Aug-25	WO2025-08-009	Azimuth	A65-10	A65	Total Hg Unfiltered	ng/L	A	Surface	0.74	0.151
2025	18-Aug-25	WO2025-08-009	Azimuth	DUP-2	DUPLICATE	Total Hg Unfiltered	ng/L	C	Surface	0.682	0.151
2025	16-Aug-25	WO2025-08-009	Azimuth	DUP-1	DUPLICATE	Total Hg Unfiltered	ng/L	B	Surface	0.496	0.151
2025	21-Aug-25	WO2025-08-009	Azimuth	DI-Blank	DI BLANK	Total Hg Unfiltered	ng/L	A	Surface	<0.151	0.151
2025	16-Aug-25	WO2025-08-009	Azimuth	AUG-TB	TRAVEL BLANK	Total Hg Unfiltered	ng/L	A	Surface	<0.151	0.151
2025	12-Aug-25	WO2025-08-009	Azimuth	INUG-172	Inuggugayualik	MeHg Filtered	ng/L	A	Surface	<0.023	0.023
2025	12-Aug-25	WO2025-08-009	Azimuth	INUG-173	Inuggugayualik	MeHg Filtered	ng/L	A	Surface	<0.023	0.023
2025	12-Aug-25	WO2025-08-009	Azimuth	PDL-137	Pipedream	MeHg Filtered	ng/L	A	Surface	<0.023	0.023
2025	12-Aug-25	WO2025-08-009	Azimuth	PDL-138	Pipedream	MeHg Filtered	ng/L	A	Surface	<0.023	0.023
2025	12-Aug-25	WO2025-08-009	Azimuth	INUG-172	Inuggugayualik	MeHg Unfiltered	ng/L	A	Surface	0.024	0.023
2025	12-Aug-25	WO2025-08-009	Azimuth	INUG-173	Inuggugayualik	MeHg Unfiltered	ng/L	A	Surface	<0.023	0.023
2025	12-Aug-25	WO2025-08-009	Azimuth	PDL-137	Pipedream	MeHg Unfiltered	ng/L	A	Surface	<0.023	0.023
2025	12-Aug-25	WO2025-08-009	Azimuth	PDL-138	Pipedream	MeHg Unfiltered	ng/L	A	Surface	<0.023	0.023
2025	18-Aug-25	WO2025-08-009	Azimuth	A65-9	A65	MeHg Filtered	ng/L	A	Surface	0.052	0.023
2025	18-Aug-25	WO2025-08-009	Azimuth	A65-10	A65	MeHg Filtered	ng/L	A	Surface	0.058	0.023
2025	17-Aug-25	WO2025-08-009	Azimuth	MAM-103	Kangislulik	MeHg Filtered	ng/L	A	Surface	<0.023	0.023
2025	17-Aug-25	WO2025-08-009	Azimuth	MAM-104	Kangislulik	MeHg Filtered	ng/L	A	Surface	<0.023	0.023
2025	18-Aug-25	WO2025-08-009	Azimuth	WTS-103	Whale Tail - South Basin	MeHg Filtered	ng/L	A	Surface	0.063	0.023
2025	18-Aug-25	WO2025-08-009	Azimuth	WTS-104	Whale Tail - South Basin	MeHg Filtered	ng/L	A	Surface	0.051	0.023
2025	18-Aug-25	WO2025-08-009	Azimuth	DUP-2	DUPLICATE	MeHg Filtered	ng/L	C	Surface	0.060	0.023
2025	16-Aug-25	WO2025-08-009	Azimuth	DUP-1	DUPLICATE	MeHg Filtered	ng/L	B	Surface	0.025	0.023
2025	21-Aug-25	WO2025-08-009	Azimuth	DI-Blank	DI BLANK	MeHg Filtered	ng/L	A	Surface	<0.023	0.023
2025	16-Aug-25	WO2025-08-009	Azimuth	AUG-TB	TRAVEL BLANK	MeHg Filtered	ng/L	A	Surface	<0.023	0.023
2025	16-Aug-25	WO2025-08-009	Azimuth	A20-95	A20	MeHg Unfiltered	ng/L	A	Surface	0.065	0.023
2025	16-Aug-25	WO2025-08-009	Azimuth	A20-96	A20	MeHg Unfiltered	ng/L	A	Surface	0.080	0.023
2025	18-Aug-25	WO2025-08-009	Azimuth	WTS-103	Whale Tail - South Basin	MeHg Unfiltered	ng/L	A	Surface	0.227	0.023
2025	18-Aug-25	WO2025-08-009	Azimuth	WTS-104	Whale Tail - South Basin	MeHg Unfiltered	ng/L	A	Surface	0.205	0.023
2025	17-Aug-25	WO2025-08-009	Azimuth	MAM-103	Kangislulik	MeHg Unfiltered	ng/L	A	Surface	0.032	0.023
2025	17-Aug-25	WO2025-08-009	Azimuth	MAM-104	Kangislulik	MeHg Unfiltered	ng/L	A	Surface	<0.023	0.023
2025	18-Aug-25	WO2025-08-009	Azimuth	A65-9	A65	MeHg Unfiltered	ng/L	A	Surface	0.146	0.023
2025	18-Aug-25	WO2025-08-009	Azimuth	A65-10	A65	MeHg Unfiltered	ng/L	A	Surface	0.183	0.023
2025	18-Aug-25	WO2025-08-009	Azimuth	DUP-2	DUPLICATE	MeHg Unfiltered	ng/L	C	Surface	0.166	0.023
2025	16-Aug-25	WO2025-08-009	Azimuth	DUP-1	DUPLICATE	MeHg Unfiltered	ng/L	B	Surface	0.093	0.023
2025	21-Aug-25	WO2025-08-009	Azimuth	DI-Blank	DI BLANK	MeHg Unfiltered	ng/L	A	Surface	<0.023	0.023
2025	16-Aug-25	WO2025-08-009	Azimuth	AUG-TB	TRAVEL BLANK	MeHg Unfiltered	ng/L	A	Surface	<0.023	0.023

APPENDIX B
SEDIMENT DATA

APPENDIX B1

SEDIMENT MERCURY DATABASE

Table B1-1. Total and methylmercury concentrations in sediment samples collected for the Mercury Monitoring Program since 2017.

Notes:
dw = dry weight; "-" = Not analyzed.
Laboratory reports are provided in Appendix D of 2025 Core Receiving Environment Monitoring Program (Azimuth, 2026).
[1] Kangislulik Lake (KAN) was previously referred to as Mammoth Lake (MAM).

Year	Sample ID	Lake	Method	Depth Start (cm)	Depth End (cm)	Date	THg	MeHg	THg Detection Limit	MeHg Detection Limit	Hg Units	Notes
2016	WTS-1	WTS	grab	0	5	12-Aug-16	0.079	0.00059	0.0050	0.00005	mg/kg dw	
2016	WTS-2	WTS	grab	0	5	12-Aug-16	0.068	0.00033	0.0050	0.00005	mg/kg dw	
2016	WTS-3	WTS	grab	0	5	12-Aug-16	0.082	0.00100	0.0050	0.00005	mg/kg dw	
2016	WTS-4	WTS	grab	0	5	12-Aug-16	0.068	0.00046	0.0050	0.00005	mg/kg dw	
2016	WTS-5	WTS	grab	0	5	12-Aug-16	0.093	0.00061	0.0050	0.00005	mg/kg dw	
2016	PDL-1	PDL	grab	0	5	06-Aug-16	0.010	-	0.0050	-	mg/kg dw	
2016	PDL-2	PDL	grab	0	5	06-Aug-16	0.015	-	0.0050	-	mg/kg dw	
2016	PDL-3	PDL	grab	0	5	06-Aug-16	0.011	-	0.0050	-	mg/kg dw	
2016	PDL-4	PDL	grab	0	5	06-Aug-16	0.012	-	0.0050	-	mg/kg dw	
2016	PDL-5	PDL	grab	0	5	06-Aug-16	0.0098	-	0.0050	-	mg/kg dw	
2016	INUG-1	INUG	grab	0	5	07-Aug-16	0.024	-	0.0050	-	mg/kg dw	
2016	INUG-2	INUG	grab	0	5	07-Aug-16	0.030	-	0.0050	-	mg/kg dw	
2016	INUG-3	INUG	grab	0	5	07-Aug-16	0.023	-	0.0050	-	mg/kg dw	
2016	INUG-4	INUG	grab	0	5	07-Aug-16	0.029	-	0.0050	-	mg/kg dw	
2016	INUG-5	INUG	grab	0	5	07-Aug-16	0.027	-	0.0050	-	mg/kg dw	
2016	MAM-1	KAN	grab	0	5	14-Aug-16	0.094	-	0.0050	-	mg/kg dw	
2016	MAM-2	KAN	grab	0	5	14-Aug-16	0.097	-	0.0050	-	mg/kg dw	
2016	MAM-3	KAN	grab	0	5	14-Aug-16	0.12	-	0.0050	-	mg/kg dw	
2016	MAM-4	KAN	grab	0	5	14-Aug-16	0.10	-	0.0050	-	mg/kg dw	
2016	MAM-5	KAN	grab	0	5	14-Aug-16	0.039	-	0.0050	-	mg/kg dw	
2016	A20-1	A20	grab	0	5	14-Aug-16	0.054	-	0.0050	-	mg/kg dw	
2016	A20-2	A20	grab	0	5	14-Aug-16	0.048	-	0.0050	-	mg/kg dw	
2016	A20-3	A20	grab	0	5	14-Aug-16	0.061	-	0.0050	-	mg/kg dw	
2016	A20-4	A20	grab	0	5	14-Aug-16	0.062	-	0.0050	-	mg/kg dw	
2016	A20-5	A20	grab	0	5	14-Aug-16	0.051	-	0.0050	-	mg/kg dw	
2016	DS1-1	DS1	grab	0	5	16-Aug-16	0.070	-	0.0050	-	mg/kg dw	
2016	DS1-2	DS1	grab	0	5	16-Aug-16	0.068	-	0.0050	-	mg/kg dw	
2016	DS1-3	DS1	grab	0	5	16-Aug-16	0.077	-	0.0050	-	mg/kg dw	
2016	DS1-4	DS1	grab	0	5	16-Aug-16	0.053	-	0.0050	-	mg/kg dw	
2016	DS1-5	DS1	grab	0	5	16-Aug-16	0.059	-	0.0050	-	mg/kg dw	
2016	NEM-1	NEM	grab	0	5	13-Aug-16	0.017	-	0.0050	-	mg/kg dw	
2016	NEM-2	NEM	grab	0	5	13-Aug-16	0.035	-	0.0050	-	mg/kg dw	
2016	NEM-3	NEM	grab	0	5	13-Aug-16	0.030	-	0.0050	-	mg/kg dw	
2016	NEM-4	NEM	grab	0	5	13-Aug-16	0.029	-	0.0050	-	mg/kg dw	
2016	NEM-5	NEM	grab	0	5	13-Aug-16	0.029	-	0.0050	-	mg/kg dw	
2016	A76-1	A76	grab	0	5	15-Aug-16	0.041	-	0.0050	-	mg/kg dw	
2016	A76-2	A76	grab	0	5	15-Aug-16	0.047	-	0.0050	-	mg/kg dw	
2016	A76-3	A76	grab	0	5	15-Aug-16	0.056	-	0.0050	-	mg/kg dw	
2016	A76-4	A76	grab	0	5	15-Aug-16	0.047	-	0.0050	-	mg/kg dw	
2016	A76-5	A76	grab	0	5	15-Aug-16	0.039	-	0.0050	-	mg/kg dw	
2017	WTS-1	WTS	grab	0	5	12-Aug-17	0.089	-	0.0050	-	mg/kg dw	
2017	WTS-2	WTS	grab	0	5	12-Aug-17	0.053	-	0.0050	-	mg/kg dw	
2017	WTS-3	WTS	grab	0	5	12-Aug-17	0.072	-	0.0050	-	mg/kg dw	
2017	WTS-4	WTS	grab	0	5	12-Aug-17	0.066	-	0.0050	-	mg/kg dw	
2017	WTS-5	WTS	grab	0	5	12-Aug-17	0.057	-	0.0050	-	mg/kg dw	
2017	A20-1	A20	grab	0	5	16-Aug-17	0.055	-	0.0050	-	mg/kg dw	
2017	A20-2	A20	grab	0	5	16-Aug-17	0.055	-	0.0050	-	mg/kg dw	
2017	A20-3	A20	grab	0	5	16-Aug-17	0.044	-	0.0050	-	mg/kg dw	
2017	A20-4	A20	grab	0	5	16-Aug-17	0.11	-	0.0050	-	mg/kg dw	
2017	A20-5	A20	grab	0	5	16-Aug-17	0.059	-	0.0050	-	mg/kg dw	
2017	MAM-1	KAN	grab	0	5	17-Aug-17	0.085	-	0.0050	-	mg/kg dw	
2017	MAM-2	KAN	grab	0	5	17-Aug-17	0.088	-	0.0050	-	mg/kg dw	
2017	MAM-3	KAN	grab	0	5	17-Aug-17	0.082	-	0.0050	-	mg/kg dw	
2017	MAM-4	KAN	grab	0	5	17-Aug-17	0.10	-	0.0050	-	mg/kg dw	
2017	MAM-5	KAN	grab	0	5	17-Aug-17	0.090	-	0.0050	-	mg/kg dw	
2017	DS1-1	DS1	grab	0	5	18-Aug-17	0.13	-	0.0050	-	mg/kg dw	
2017	DS1-2	DS1	grab	0	5	18-Aug-17	0.12	-	0.0050	-	mg/kg dw	
2017	DS1-3	DS1	grab	0	5	18-Aug-17	0.13	-	0.0050	-	mg/kg dw	
2017	DS1-4	DS1	grab	0	5	18-Aug-17	0.12	-	0.0050	-	mg/kg dw	
2017	DS1-5	DS1	grab	0	5	18-Aug-17	0.12	-	0.0050	-	mg/kg dw	
2017	PDL-1	PDL	grab	0	5	24-Aug-17	0.014	-	0.0050	-	mg/kg dw	
2017	PDL-2	PDL	grab	0	5	24-Aug-17	0.011	-	0.0050	-	mg/kg dw	
2017	PDL-3	PDL	grab	0	5	24-Aug-17	0.020	-	0.0050	-	mg/kg dw	
2017	PDL-4	PDL	grab	0	5	24-Aug-17	0.012	-	0.0050	-	mg/kg dw	
2017	PDL-5	PDL	grab	0	5	24-Aug-17	0.013	-	0.0050	-	mg/kg dw	
2017	INUG-1	INUG	grab	0	5	25-Aug-17	0.032	-	0.0050	-	mg/kg dw	
2017	INUG-2	INUG	grab	0	5	25-Aug-17	0.024	-	0.0050	-	mg/kg dw	
2017	INUG-3	INUG	grab	0	5	25-Aug-17	0.036	-	0.0050	-	mg/kg dw	
2017	INUG-4	INUG	grab	0	5	25-Aug-17	0.032	-	0.0050	-	mg/kg dw	
2017	INUG-5	INUG	grab	0	5	25-Aug-17	0.035	-	0.0050	-	mg/kg dw	
2017	NEM-1	NEM	grab	0	5	15-Aug-17	0.046	-	0.0050	-	mg/kg dw	
2017	NEM-2	NEM	grab	0	5	15-Aug-17	0.059	-	0.0050	-	mg/kg dw	
2017	NEM-3	NEM	grab	0	5	15-Aug-17	0.061	-	0.0050	-	mg/kg dw	
2017	NEM-4	NEM	grab	0	5	15-Aug-17	0.069	-	0.0050	-	mg/kg dw	
2017	NEM-5	NEM	grab	0	5	15-Aug-17	0.032	-	0.0050	-	mg/kg dw	
2017	WTS-SC-1	WTS	core	0	1.5	15-Aug-17	0.069	0.0010	0.0050	0.00005	mg/kg dw	
2017	WTS-SC-5	WTS	core	0	1.5	15-Aug-17	0.096	0.0011	0.0050	0.00005	mg/kg dw	
2017	WTS-SC-9	WTS	core	0	1.5	15-Aug-17	0.081	0.0011	0.0050	0.00005	mg/kg dw	
2017	WTS-SC-1	WTS	core	0	1.5	15-Aug-17	0.073	-	0.0050	-	mg/kg dw	
2017	WTS-SC-2	WTS	core	0	1.5	14-Aug-17	0.092	-	0.0050	-	mg/kg dw	
2017	WTS-SC-3	WTS	core	0	1.5	14-Aug-17	0.079	-	0.0050	-	mg/kg dw	
2017	WTS-SC-4	WTS	core	0	1.5	15-Aug-17	0.070	-	0.0050	-	mg/kg dw	
2017	WTS-SC-5	WTS	core	0	1.5	15-Aug-17	0.10	-	0.0050	-	mg/kg dw	
2017	WTS-SC-6	WTS	core	0	1.5	15-Aug-17	0.069	-	0.0050	-	mg/kg dw	
2017	WTS-SC-7	WTS	core	0	1.5	15-Aug-17	0.065	-	0.0050	-	mg/kg dw	
2017	WTS-SC-8	WTS	core	0	1.5	15-Aug-17	0.063	-	0.0050	-	mg/kg dw	
2017	WTS-SC-9	WTS	core	0	1.5	15-Aug-17	0.081	-	0.0050	-	mg/kg dw	
2017	WTS-SC-10	WTS	core	0	1.5	15-Aug-17	0.085	-	0.0050	-	mg/kg dw	

Table B1-1. Total and methylmercury concentrations in sediment samples collected for the Mercury Monitoring Program since 2017.

Notes:
dw = dry weight; "-" = Not analyzed.
Laboratory reports are provided in Appendix D of 2025 Core Receiving Environment Monitoring Program (Azimuth, 2026).
[1] Kangislulik Lake (KAN) was previously referred to as Mammoth Lake (MAM).

Year	Sample ID	Lake	Method	Depth Start (cm)	Depth End (cm)	Date	THg	MeHg	THg Detection Limit	MeHg Detection Limit	Hg Units	Notes
2017	NEM-SC-1	NEM	core	0	1.5	15-Aug-17	0.028	-	0.0050	-	mg/kg dw	
2017	NEM-SC-3	NEM	core	0	1.5	15-Aug-17	0.014	-	0.0050	-	mg/kg dw	
2017	NEM-SC-4	NEM	core	0	1.5	15-Aug-17	0.036	-	0.0050	-	mg/kg dw	
2017	NEM-SC-5	NEM	core	0	1.5	15-Aug-17	0.031	-	0.0050	-	mg/kg dw	
2017	NEM-SC-6	NEM	core	0	1.5	15-Aug-17	0.019	-	0.0050	-	mg/kg dw	
2017	NEM-SC-7	NEM	core	0	1.5	15-Aug-17	0.031	-	0.0050	-	mg/kg dw	
2017	NEM-SC-8	NEM	core	0	1.5	15-Aug-17	0.017	-	0.0050	-	mg/kg dw	
2017	NEM-SC-9	NEM	core	0	1.5	15-Aug-17	0.035	-	0.0050	-	mg/kg dw	
2017	NEM-SC-10	NEM	core	0	1.5	15-Aug-17	0.033	-	0.0050	-	mg/kg dw	
2017	NEM-SC-2	NEM	core	0	1.5	15-Aug-17	0.028	-	0.0050	-	mg/kg dw	
2017	A20-SC-1	A20	core	0	1.5	16-Aug-17	0.036	-	0.0050	-	mg/kg dw	
2017	A20-SC-2	A20	core	0	1.5	16-Aug-17	0.058	-	0.0050	-	mg/kg dw	
2017	A20-SC-3	A20	core	0	1.5	16-Aug-17	0.039	-	0.0050	-	mg/kg dw	
2017	A20-SC-4	A20	core	0	1.5	16-Aug-17	0.036	-	0.0050	-	mg/kg dw	
2017	A20-SC-5	A20	core	0	1.5	16-Aug-17	0.047	-	0.0050	-	mg/kg dw	
2017	A20-SC-6	A20	core	0	1.5	16-Aug-17	0.046	-	0.0050	-	mg/kg dw	
2017	A20-SC-7	A20	core	0	1.5	16-Aug-17	0.043	-	0.0050	-	mg/kg dw	
2017	A20-SC-8	A20	core	0	1.5	16-Aug-17	0.041	-	0.0050	-	mg/kg dw	
2017	A20-SC-9	A20	core	0	1.5	16-Aug-17	0.041	-	0.0050	-	mg/kg dw	
2017	A20-SC-10	A20	core	0	1.5	16-Aug-17	0.042	-	0.0050	-	mg/kg dw	
2017	MAM-SC-1	KAN	core	0	1.5	17-Aug-17	0.084	-	0.0050	-	mg/kg dw	
2017	MAM-SC-2	KAN	core	0	1.5	17-Aug-17	0.093	-	0.0050	-	mg/kg dw	
2017	MAM-SC-3	KAN	core	0	1.5	17-Aug-17	0.088	-	0.0050	-	mg/kg dw	
2017	MAM-SC-4	KAN	core	0	1.5	17-Aug-17	0.076	-	0.0050	-	mg/kg dw	
2017	MAM-SC-5	KAN	core	0	1.5	17-Aug-17	0.079	-	0.0050	-	mg/kg dw	
2017	MAM-SC-6	KAN	core	0	1.5	17-Aug-17	0.10	-	0.0050	-	mg/kg dw	
2017	MAM-SC-7	KAN	core	0	1.5	17-Aug-17	0.11	-	0.0050	-	mg/kg dw	
2017	MAM-SC-8	KAN	core	0	1.5	17-Aug-17	0.088	-	0.0050	-	mg/kg dw	
2017	MAM-SC-9	KAN	core	0	1.5	17-Aug-17	0.080	-	0.0050	-	mg/kg dw	
2017	MAM-SC-10	KAN	core	0	1.5	17-Aug-17	0.080	-	0.0050	-	mg/kg dw	
2017	A76-SC-1	A76	core	0	1.5	17-Aug-17	0.067	-	0.0050	-	mg/kg dw	
2017	A76-SC-2	A76	core	0	1.5	18-Aug-17	0.043	-	0.0050	-	mg/kg dw	
2017	A76-SC-3	A76	core	0	1.5	18-Aug-17	0.062	-	0.0050	-	mg/kg dw	
2017	A76-SC-4	A76	core	0	1.5	18-Aug-17	0.063	-	0.0050	-	mg/kg dw	
2017	A76-SC-5	A76	core	0	1.5	18-Aug-17	0.039	-	0.0050	-	mg/kg dw	
2017	A76-SC-6	A76	core	0	1.5	18-Aug-17	0.036	-	0.0050	-	mg/kg dw	
2017	A76-SC-7	A76	core	0	1.5	18-Aug-17	0.055	-	0.0050	-	mg/kg dw	
2017	A76-SC-8	A76	core	0	1.5	18-Aug-17	0.049	-	0.0050	-	mg/kg dw	
2017	A76-SC-9	A76	core	0	1.5	18-Aug-17	0.038	-	0.0050	-	mg/kg dw	
2017	A76-SC-10	A76	core	0	1.5	18-Aug-17	0.078	-	0.0050	-	mg/kg dw	
2017	DS1-SC-1	DS1	core	0	1.5	18-Aug-17	0.070	-	0.0050	-	mg/kg dw	
2017	DS1-SC-2	DS1	core	0	1.5	18-Aug-17	0.073	-	0.0050	-	mg/kg dw	
2017	DS1-SC-3	DS1	core	0	1.5	18-Aug-17	0.061	-	0.0050	-	mg/kg dw	
2017	DS1-SC-4	DS1	core	0	1.5	18-Aug-17	0.071	-	0.0050	-	mg/kg dw	
2017	DS1-SC-5	DS1	core	0	1.5	18-Aug-17	0.071	-	0.0050	-	mg/kg dw	
2017	DS1-SC-6	DS1	core	0	1.5	18-Aug-17	0.096	-	0.0050	-	mg/kg dw	
2017	DS1-SC-7	DS1	core	0	1.5	18-Aug-17	0.069	-	0.0050	-	mg/kg dw	
2017	DS1-SC-8	DS1	core	0	1.5	18-Aug-17	0.069	-	0.0050	-	mg/kg dw	
2017	DS1-SC-9	DS1	core	0	1.5	18-Aug-17	0.078	-	0.0050	-	mg/kg dw	
2017	DS1-SC-10	DS1	core	0	1.5	18-Aug-17	0.066	-	0.0050	-	mg/kg dw	
2017	PDL-SC-1	PDL	core	0	1.5	24-Aug-17	0.016	-	0.0050	-	mg/kg dw	
2017	PDL-SC-2	PDL	core	0	1.5	24-Aug-17	0.018	-	0.0050	-	mg/kg dw	
2017	PDL-SC-3	PDL	core	0	1.5	24-Aug-17	0.025	-	0.0050	-	mg/kg dw	
2017	PDL-SC-4	PDL	core	0	1.5	24-Aug-17	0.018	-	0.0050	-	mg/kg dw	
2017	PDL-SC-5	PDL	core	0	1.5	24-Aug-17	0.017	-	0.0050	-	mg/kg dw	
2017	PDL-SC-9	PDL	core	0	1.5	24-Aug-17	0.014	-	0.0050	-	mg/kg dw	
2017	PDL-SC-6	PDL	core	0	1.5	24-Aug-17	0.021	-	0.0050	-	mg/kg dw	
2017	PDL-SC-7	PDL	core	0	1.5	24-Aug-17	0.018	-	0.0050	-	mg/kg dw	
2017	PDL-SC-8	PDL	core	0	1.5	24-Aug-17	0.025	-	0.0050	-	mg/kg dw	
2017	PDL-SC-10	PDL	core	0	1.5	24-Aug-17	0.017	-	0.0050	-	mg/kg dw	
2017	INUG-SC-1	INUG	core	0	1.5	25-Aug-17	0.029	-	0.0050	-	mg/kg dw	
2017	INUG-SC-2	INUG	core	0	1.5	25-Aug-17	0.033	-	0.0050	-	mg/kg dw	
2017	INUG-SC-3	INUG	core	0	1.5	25-Aug-17	0.035	-	0.0050	-	mg/kg dw	
2017	INUG-SC-4	INUG	core	0	1.5	25-Aug-17	0.038	-	0.0050	-	mg/kg dw	
2017	INUG-SC-5	INUG	core	0	1.5	25-Aug-17	0.039	-	0.0050	-	mg/kg dw	
2017	INUG-SC-6	INUG	core	0	1.5	25-Aug-17	0.050	-	0.0050	-	mg/kg dw	
2017	INUG-SC-7	INUG	core	0	1.5	25-Aug-17	0.045	-	0.0050	-	mg/kg dw	
2017	INUG-SC-8	INUG	core	0	1.5	25-Aug-17	0.048	-	0.0050	-	mg/kg dw	
2017	INUG-SC-9	INUG	core	0	1.5	25-Aug-17	0.034	-	0.0050	-	mg/kg dw	
2017	INUG-SC-10	INUG	core	0	1.5	25-Aug-17	0.035	-	0.0050	-	mg/kg dw	
2017	A76-1	A76	grab	0	5	17-Aug-17	0.061	-	0.0050	-	mg/kg dw	
2017	A76-2	A76	grab	0	5	17-Aug-17	0.040	-	0.0050	-	mg/kg dw	
2017	A76-3	A76	grab	0	5	17-Aug-17	0.059	-	0.0050	-	mg/kg dw	
2017	A76-4	A76	grab	0	5	17-Aug-17	0.061	-	0.0050	-	mg/kg dw	
2017	A76-5	A76	grab	0	5	17-Aug-17	0.039	-	0.0050	-	mg/kg dw	
2018	WTS-1	WTS	grab	0	5	13-Aug-18	0.052	-	0.0050	-	mg/kg dw	
2018	WTS-2	WTS	grab	0	5	13-Aug-18	0.056	-	0.0050	-	mg/kg dw	
2018	WTS-3	WTS	grab	0	5	13-Aug-18	0.038	-	0.0050	-	mg/kg dw	
2018	WTS-4	WTS	grab	0	5	13-Aug-18	0.070	-	0.0050	-	mg/kg dw	
2018	WTS-5	WTS	grab	0	5	13-Aug-18	0.057	-	0.0050	-	mg/kg dw	
2018	INUG-1	INUG	grab	0	5	13-Aug-18	0.033	-	0.0050	-	mg/kg dw	
2018	INUG-2	INUG	grab	0	5	13-Aug-18	0.026	-	0.0050	-	mg/kg dw	
2018	INUG-3	INUG	grab	0	5	13-Aug-18	0.025	-	0.0050	-	mg/kg dw	
2018	INUG-4	INUG	grab	0	5	13-Aug-18	0.023	-	0.0050	-	mg/kg dw	
2018	INUG-5	INUG	grab	0	5	13-Aug-18	0.028	-	0.0050	-	mg/kg dw	
2018	PDL-1	PDL	grab	0	5	13-Aug-18	0.0099	-	0.0050	-	mg/kg dw	
2018	PDL-2	PDL	grab	0	5	13-Aug-18	0.011	-	0.0050	-	mg/kg dw	
2018	PDL-3	PDL	grab	0	5	13-Aug-18	0.014	-	0.0050	-	mg/kg dw	
2018	PDL-4	PDL	grab	0	5	13-Aug-18	0.016	-	0.0050	-	mg/kg dw	

Table B1-1. Total and methylmercury concentrations in sediment samples collected for the Mercury Monitoring Program since 2017.

Notes:

dw = dry weight; "-" = Not analyzed.

Laboratory reports are provided in Appendix D of 2025 Core Receiving Environment Monitoring Program (Azimuth, 2026).

[1] Kangislulik Lake (KAN) was previously referred to as Mammoth Lake (MAM).

Year	Sample ID	Lake	Method	Depth Start (cm)	Depth End (cm)	Date	THg	MeHg	THg Detection Limit	MeHg Detection Limit	Hg Units	Notes
2018	MAM-1	KAN	grab	0	5	16-Aug-18	0.019	-	0.0050	-	mg/kg dw	
2018	MAM-2	KAN	grab	0	5	16-Aug-18	0.10	-	0.0050	-	mg/kg dw	
2018	MAM-3	KAN	grab	0	5	16-Aug-18	0.087	-	0.0050	-	mg/kg dw	
2018	MAM-4	KAN	grab	0	5	16-Aug-18	0.10	-	0.0050	-	mg/kg dw	
2018	MAM-5	KAN	grab	0	5	16-Aug-18	0.086	-	0.0050	-	mg/kg dw	
2018	A20-1	A20	grab	0	5	18-Aug-18	0.046	-	0.0050	-	mg/kg dw	
2018	A20-2	A20	grab	0	5	18-Aug-18	0.043	-	0.0050	-	mg/kg dw	
2018	A20-3	A20	grab	0	5	18-Aug-18	0.041	-	0.0050	-	mg/kg dw	
2018	A20-4	A20	grab	0	5	18-Aug-18	0.051	-	0.0050	-	mg/kg dw	
2018	A20-5	A20	grab	0	5	18-Aug-18	0.042	-	0.0050	-	mg/kg dw	
2018	DS1-1	DS1	grab	0	5	19-Aug-18	0.056	-	0.0050	-	mg/kg dw	
2018	DS1-2	DS1	grab	0	5	19-Aug-18	0.050	-	0.0050	-	mg/kg dw	
2018	DS1-3	DS1	grab	0	5	19-Aug-18	0.057	-	0.0050	-	mg/kg dw	
2018	DS1-4	DS1	grab	0	5	19-Aug-18	0.051	-	0.0050	-	mg/kg dw	
2018	DS1-5	DS1	grab	0	5	19-Aug-18	0.050	-	0.0050	-	mg/kg dw	
2018	LK8-1	LK8	grab	0	5	17-Aug-18	0.015	-	0.0050	-	mg/kg dw	
2018	LK8-2	LK8	grab	0	5	17-Aug-18	0.0093	-	0.0050	-	mg/kg dw	
2018	LK8-3	LK8	grab	0	5	17-Aug-18	0.0070	-	0.0050	-	mg/kg dw	
2018	LK8-4	LK8	grab	0	5	17-Aug-18	0.0097	-	0.0050	-	mg/kg dw	
2018	LK8-5	LK8	grab	0	5	17-Aug-18	0.0067	-	0.0050	-	mg/kg dw	
2018	NEM-1	NEM	grab	0	5	17-Aug-18	0.019	-	0.0050	-	mg/kg dw	
2018	NEM-2	NEM	grab	0	5	17-Aug-18	0.012	-	0.0050	-	mg/kg dw	
2018	NEM-3	NEM	grab	0	5	17-Aug-18	0.012	-	0.0050	-	mg/kg dw	
2018	NEM-4	NEM	grab	0	5	17-Aug-18	0.018	-	0.0050	-	mg/kg dw	
2018	NEM-5	NEM	grab	0	5	17-Aug-18	0.025	-	0.0050	-	mg/kg dw	
2018	WTS-1	WTS	core	0	1.5	18-Aug-18	0.086	0.0013	0.0050	0.00005	mg/kg dw	
2018	WTS-1	WTS	core	5	6	18-Aug-18	0.052	0.00030	0.0050	0.00005	mg/kg dw	
2018	WTS-1	WTS	core	10	11	18-Aug-18	0.042	0.0014	0.0050	0.00005	mg/kg dw	
2018	WTS-2	WTS	core	0	1.5	18-Aug-18	0.070	0.00036	0.0050	0.00005	mg/kg dw	
2018	WTS-2	WTS	core	5	6	18-Aug-18	0.052	0.00029	0.0050	0.00005	mg/kg dw	
2018	WTS-2	WTS	core	10	11	18-Aug-18	0.049	0.00008	0.0050	0.00005	mg/kg dw	
2018	WTS-3	WTS	core	0	1.5	18-Aug-18	0.070	0.00066	0.0050	0.00005	mg/kg dw	
2018	WTS-3	WTS	core	5	6	18-Aug-18	0.045	0.00020	0.0050	0.00005	mg/kg dw	
2018	WTS-3	WTS	core	10	11	18-Aug-18	0.041	0.00030	0.0050	0.00005	mg/kg dw	
2018	LK8-SC-1	LK8	core	0	1.5	17-Aug-18	0.014	-	0.0050	-	mg/kg dw	
2018	LK8-SC-2	LK8	core	0	1.5	17-Aug-18	0.018	-	0.0050	-	mg/kg dw	
2018	LK8-SC-3	LK8	core	0	1.5	17-Aug-18	0.017	-	0.0050	-	mg/kg dw	
2018	LK8-SC-4	LK8	core	0	1.5	17-Aug-18	0.022	-	0.0050	-	mg/kg dw	
2018	LK8-SC-5	LK8	core	0	1.5	17-Aug-18	0.014	-	0.0050	-	mg/kg dw	
2018	LK8-SC-6	LK8	core	0	1.5	17-Aug-18	0.011	-	0.0050	-	mg/kg dw	
2018	LK8-SC-7	LK8	core	0	1.5	17-Aug-18	0.016	-	0.0050	-	mg/kg dw	
2018	LK8-SC-8	LK8	core	0	1.5	17-Aug-18	0.011	-	0.0050	-	mg/kg dw	
2018	A76-1	A76	grab	0	5	18-Aug-18	0.047	-	0.0050	-	mg/kg dw	
2018	A76-2	A76	grab	0	5	18-Aug-18	0.051	-	0.0050	-	mg/kg dw	
2018	A76-3	A76	grab	0	5	18-Aug-18	0.047	-	0.0050	-	mg/kg dw	
2018	A76-4	A76	grab	0	5	18-Aug-18	0.039	-	0.0050	-	mg/kg dw	
2018	A76-5	A76	grab	0	5	18-Aug-18	0.051	-	0.0050	-	mg/kg dw	
2018	D1-1	D1	grab	0	5	15-Aug-18	0.017	-	0.0050	-	mg/kg dw	
2018	D1-2	D1	grab	0	5	15-Aug-18	0.023	-	0.0050	-	mg/kg dw	
2018	D1-3	D1	grab	0	5	15-Aug-18	0.030	-	0.0050	-	mg/kg dw	
2018	D1-4	D1	grab	0	5	15-Aug-18	0.031	-	0.0050	-	mg/kg dw	
2018	D1-5	D1	grab	0	5	15-Aug-18	0.030	-	0.0050	-	mg/kg dw	
2018	LK1-SC-1	D1	core	0	1.5	14-Aug-18	0.019	-	0.0050	-	mg/kg dw	
2018	LK1-SC-2	D1	core	0	1.5	14-Aug-18	0.023	-	0.0050	-	mg/kg dw	
2018	LK1-SC-3	D1	core	0	1.5	14-Aug-18	0.041	-	0.0050	-	mg/kg dw	
2018	LK1-SC-4	D1	core	0	1.5	15-Aug-18	0.045	-	0.0050	-	mg/kg dw	
2018	LK1-SC-5	D1	core	0	1.5	15-Aug-18	0.036	-	0.0050	-	mg/kg dw	
2018	LK1-SC-6	D1	core	0	1.5	15-Aug-18	0.044	-	0.0050	-	mg/kg dw	
2018	LK1-SC-7	D1	core	0	1.5	15-Aug-18	0.044	-	0.0050	-	mg/kg dw	
2018	LK1-SC-8	D1	core	0	1.5	15-Aug-18	0.035	-	0.0050	-	mg/kg dw	
2018	LK1-SC-9	D1	core	0	1.5	15-Aug-18	0.067	-	0.0050	-	mg/kg dw	
2018	LK1-SC-10	D1	core	0	1.5	15-Aug-18	0.036	-	0.0050	-	mg/kg dw	
2019	WTS-1	WTS	grab	0	5	18-Aug-19	<0.050	0.00023	0.050	0.00005	mg/kg dw	
2019	WTS-2	WTS	grab	0	5	18-Aug-19	0.051	0.00048	0.050	0.00005	mg/kg dw	
2019	WTS-3	WTS	grab	0	5	18-Aug-19	0.056	0.00071	0.050	0.00005	mg/kg dw	
2019	WTS-4	WTS	grab	0	5	18-Aug-19	0.063	0.00072	0.050	0.00005	mg/kg dw	
2019	WTS-5	WTS	grab	0	5	18-Aug-19	<0.050	<0.000050	0.050	0.00005	mg/kg dw	
2019	INUG-1	INUG	grab	0	5	15-Aug-19	<0.050	0.00014	0.050	0.00005	mg/kg dw	
2019	INUG-2	INUG	grab	0	5	15-Aug-19	<0.050	0.00012	0.050	0.00005	mg/kg dw	
2019	INUG-3	INUG	grab	0	5	15-Aug-19	<0.050	0.00016	0.050	0.00005	mg/kg dw	
2019	INUG-4	INUG	grab	0	5	15-Aug-19	<0.050	0.00015	0.050	0.00005	mg/kg dw	
2019	INUG-5	INUG	grab	0	5	15-Aug-19	<0.050	0.00030	0.050	0.00005	mg/kg dw	
2019	PDL-1	PDL	grab	0	5	14-Aug-19	<0.050	0.00013	0.050	0.00005	mg/kg dw	
2019	PDL-2	PDL	grab	0	5	14-Aug-19	<0.050	0.00017	0.050	0.00005	mg/kg dw	
2019	PDL-3	PDL	grab	0	5	14-Aug-19	<0.050	0.00011	0.050	0.00005	mg/kg dw	
2019	PDL-4	PDL	grab	0	5	14-Aug-19	<0.050	<0.000050	0.050	0.00005	mg/kg dw	
2019	PDL-5	PDL	grab	0	5	14-Aug-19	<0.050	0.00007	0.050	0.00005	mg/kg dw	
2019	MAM-1	KAN	grab	0	5	19-Aug-19	0.081	0.00064	0.050	0.00005	mg/kg dw	
2019	MAM-2	KAN	grab	0	5	19-Aug-19	0.067	0.00066	0.050	0.00005	mg/kg dw	
2019	MAM-3	KAN	grab	0	5	19-Aug-19	0.078	0.0010	0.050	0.00005	mg/kg dw	
2019	MAM-4	KAN	grab	0	5	19-Aug-19	0.068	0.00050	0.050	0.00005	mg/kg dw	
2019	MAM-5	KAN	grab	0	5	19-Aug-19	0.093	0.0013	0.050	0.00005	mg/kg dw	
2019	A20-1	A20	grab	0	5	16-Aug-19	<0.050	0.00030	0.050	0.00005	mg/kg dw	
2019	A20-2	A20	grab	0	5	16-Aug-19	<0.050	0.00011	0.050	0.00005	mg/kg dw	
2019	A20-3	A20	grab	0	5	16-Aug-19	<0.050	0.00046	0.050	0.00005	mg/kg dw	
2019	A20-4	A20	grab	0	5	16-Aug-19	<0.050	0.00048	0.050	0.00005	mg/kg dw	
2019	A20-5	A20	grab	0	5	16-Aug-19	<0.050	0.0012	0.050	0.00005	mg/kg dw	
2019	DS1-1	DS1	grab	0	5	17-Aug-19	0.053	0.00008	0.050	0.00005	mg/kg dw	
2019	DS1-2	DS1	grab	0	5	17-Aug-19	<0.050	0.00016	0.050	0.00005	mg/kg dw	
2019	DS1-3	DS1	grab	0	5	17-Aug-19	0.064	0.00028	0.050	0.00005	mg/kg dw	
2019	DS1-4	DS1	grab	0	5	17-Aug-19	<0.050	<0.000050	0.050	0.00005	mg/kg dw	
2019	DS1-5	DS1	grab	0	5	17-Aug-19	0.064	0.00033	0.050	0.00005	mg/kg dw	

Table B1-1. Total and methylmercury concentrations in sediment samples collected for the Mercury Monitoring Program since 2017.

Notes:

dw = dry weight; "-" = Not analyzed.

Laboratory reports are provided in Appendix D of 2025 Core Receiving Environment Monitoring Program (Azimuth, 2026).

[1] Kangislulik Lake (KAN) was previously referred to as Mammoth Lake (MAM).

Year	Sample ID	Lake	Method	Depth Start (cm)	Depth End (cm)	Date	THg	MeHg	THg Detection Limit	MeHg Detection Limit	Hg Units	Notes
2019	LK8-1	LK8	grab	0	5	16-Aug-19	<0.050	-	0.050	-	mg/kg dw	
2019	LK8-2	LK8	grab	0	5	17-Aug-19	<0.050	-	0.050	-	mg/kg dw	
2019	LK8-3	LK8	grab	0	5	17-Aug-19	<0.050	-	0.050	-	mg/kg dw	
2019	LK8-4	LK8	grab	0	5	17-Aug-19	<0.050	-	0.050	-	mg/kg dw	
2019	LK8-5	LK8	grab	0	5	17-Aug-19	<0.050	-	0.050	-	mg/kg dw	
2019	A76-1	A76	grab	0	5	15-Aug-19	<0.050	-	0.050	-	mg/kg dw	
2019	A76-2	A76	grab	0	5	15-Aug-19	<0.050	-	0.050	-	mg/kg dw	
2019	A76-3	A76	grab	0	5	15-Aug-19	<0.050	-	0.050	-	mg/kg dw	
2019	A76-4	A76	grab	0	5	15-Aug-19	<0.050	-	0.050	-	mg/kg dw	
2019	A76-5	A76	grab	0	5	15-Aug-19	<0.050	-	0.050	-	mg/kg dw	
2019	NEM-1	NEM	grab	0	5	18-Aug-19	<0.050	-	0.050	-	mg/kg dw	
2019	NEM-2	NEM	grab	0	5	18-Aug-19	<0.050	-	0.050	-	mg/kg dw	
2019	NEM-3	NEM	grab	0	5	18-Aug-19	<0.050	-	0.050	-	mg/kg dw	
2019	NEM-4	NEM	grab	0	5	18-Aug-19	<0.050	-	0.050	-	mg/kg dw	
2019	NEM-5	NEM	grab	0	5	18-Aug-19	<0.050	-	0.050	-	mg/kg dw	
2019	LK1-1	D1	grab	0	5	17-Aug-19	<0.050	-	0.050	-	mg/kg dw	
2019	LK1-2	D1	grab	0	5	17-Aug-19	<0.050	-	0.050	-	mg/kg dw	
2019	LK1-3	D1	grab	0	5	17-Aug-19	<0.050	-	0.050	-	mg/kg dw	
2019	LK1-4	D1	grab	0	5	17-Aug-19	<0.050	-	0.050	-	mg/kg dw	
2019	LK1-5	D1	grab	0	5	17-Aug-19	<0.050	-	0.050	-	mg/kg dw	
2020	PDL-SC-1	PDL	core	0	1.5	22-Aug-20	0.012	0.00006	0.0050	0.00005	mg/kg dw	
2020	PDL-SC-2	PDL	core	0	1.5	22-Aug-20	0.014	0.00012	0.0050	0.00005	mg/kg dw	
2020	PDL-SC-3	PDL	core	0	1.5	22-Aug-20	0.011	0.00006	0.0050	0.00005	mg/kg dw	
2020	PDL-SC-4	PDL	core	0	1.5	22-Aug-20	0.016	0.00048	0.0050	0.00005	mg/kg dw	
2020	PDL-SC-5	PDL	core	0	1.5	22-Aug-20	0.0090	<0.00005	0.0050	0.00005	mg/kg dw	
2020	PDL-SC-6	PDL	core	0	1.5	22-Aug-20	0.020	0.00014	0.0050	0.00005	mg/kg dw	
2020	PDL-SC-7	PDL	core	0	1.5	22-Aug-20	0.010	0.00006	0.0050	0.00005	mg/kg dw	
2020	PDL-SC-8	PDL	core	0	1.5	22-Aug-20	0.011	<0.00005	0.0050	0.00005	mg/kg dw	
2020	PDL-SC-9	PDL	core	0	1.5	22-Aug-20	0.0097	<0.00005	0.0050	0.00005	mg/kg dw	
2020	PDL-SC-10	PDL	core	0	1.5	22-Aug-20	0.014	0.00015	0.0050	0.00005	mg/kg dw	
2020	INUG-SC-1	INUG	core	0	1.5	21-Aug-20	0.031	0.00012	0.0050	0.00005	mg/kg dw	
2020	INUG-SC-2	INUG	core	0	1.5	21-Aug-20	0.023	0.00008	0.0050	0.00005	mg/kg dw	
2020	INUG-SC-3	INUG	core	0	1.5	21-Aug-20	0.026	0.00018	0.0050	0.00005	mg/kg dw	
2020	INUG-SC-4	INUG	core	0	1.5	21-Aug-20	0.028	0.00013	0.0050	0.00005	mg/kg dw	
2020	INUG-SC-5	INUG	core	0	1.5	21-Aug-20	0.027	0.00006	0.0050	0.00005	mg/kg dw	
2020	INUG-SC-6	INUG	core	0	1.5	21-Aug-20	0.025	0.00010	0.0050	0.00005	mg/kg dw	
2020	INUG-SC-7	INUG	core	0	1.5	21-Aug-20	0.032	0.00022	0.0050	0.00005	mg/kg dw	
2020	INUG-SC-8	INUG	core	0	1.5	21-Aug-20	0.031	0.00013	0.0050	0.00005	mg/kg dw	
2020	INUG-SC-9	INUG	core	0	1.5	21-Aug-20	0.031	0.00015	0.0050	0.00005	mg/kg dw	
2020	INUG-SC-10	INUG	core	0	1.5	21-Aug-20	0.028	0.00008	0.0050	0.00005	mg/kg dw	
2020	LK8-SC-1	LK8	core	0	1.5	28-Aug-20	0.0058	0.00031	0.0050	0.00005	mg/kg dw	
2020	LK8-SC-2	LK8	core	0	1.5	28-Aug-20	0.011	0.00022	0.0050	0.00005	mg/kg dw	
2020	LK8-SC-3	LK8	core	0	1.5	28-Aug-20	0.018	0.00017	0.0050	0.00005	mg/kg dw	
2020	LK8-SC-4	LK8	core	0	1.5	28-Aug-20	0.015	0.00008	0.0050	0.00005	mg/kg dw	
2020	LK8-SC-5	LK8	core	0	1.5	28-Aug-20	0.017	0.00036	0.0050	0.00005	mg/kg dw	
2020	LK8-SC-6	LK8	core	0	1.5	28-Aug-20	0.0070	0.00006	0.0050	0.00005	mg/kg dw	
2020	LK8-SC-7	LK8	core	0	1.5	28-Aug-20	0.0092	0.00009	0.0050	0.00005	mg/kg dw	
2020	LK8-SC-8	LK8	core	0	1.5	28-Aug-20	0.012	0.00010	0.0050	0.00005	mg/kg dw	
2020	LK8-SC-9	LK8	core	0	1.5	28-Aug-20	0.011	0.00013	0.0050	0.00005	mg/kg dw	
2020	LK8-SC-10	LK8	core	0	1.5	28-Aug-20	0.012	<0.00005	0.0050	0.00005	mg/kg dw	
2020	B3-SC-1	B3	core	0	1.5	22-Aug-20	0.034	0.00012	0.0050	0.00005	mg/kg dw	
2020	B3-SC-2	B3	core	0	1.5	30-Aug-20	0.043	0.00015	0.0050	0.00005	mg/kg dw	
2020	B3-SC-3	B3	core	0	1.5	30-Aug-20	0.032	<0.000102	0.0050	0.00005	mg/kg dw	
2020	B3-SC-4	B3	core	0	1.5	30-Aug-20	0.029	0.00012	0.0050	0.00005	mg/kg dw	
2020	B3-SC-5	B3	core	0	1.5	30-Aug-20	0.032	0.00011	0.0050	0.00005	mg/kg dw	
2020	LK1-SC-1	D1	core	0	1.5	19-Aug-20	0.027	-	0.0050	-	mg/kg dw	
2020	LK1-SC-2	D1	core	0	1.5	19-Aug-20	0.021	-	0.0050	-	mg/kg dw	
2020	LK1-SC-3	D1	core	0	1.5	19-Aug-20	0.020	-	0.0050	-	mg/kg dw	
2020	LK1-SC-4	D1	core	0	1.5	19-Aug-20	0.022	-	0.0050	-	mg/kg dw	
2020	LK1-SC-5	D1	core	0	1.5	19-Aug-20	0.025	-	0.0050	-	mg/kg dw	
2020	LK1-SC-6	D1	core	0	1.5	19-Aug-20	0.024	-	0.0050	-	mg/kg dw	
2020	LK1-SC-7	D1	core	0	1.5	19-Aug-20	0.028	-	0.0050	-	mg/kg dw	
2020	LK1-SC-8	D1	core	0	1.5	19-Aug-20	0.029	-	0.0050	-	mg/kg dw	
2020	LK1-SC-9	D1	core	0	1.5	19-Aug-20	0.013	-	0.0050	-	mg/kg dw	
2020	LK1-SC-10	D1	core	0	1.5	19-Aug-20	0.017	-	0.0050	-	mg/kg dw	
2020	DS1-SC-1	DS1	core	0	1.5	21-Aug-20	0.032	0.00009	0.0050	0.00005	mg/kg dw	
2020	DS1-SC-2	DS1	core	0	1.5	21-Aug-20	0.030	0.00010	0.0050	0.00005	mg/kg dw	
2020	DS1-SC-3	DS1	core	0	1.5	21-Aug-20	0.039	<0.00005	0.0050	0.00005	mg/kg dw	
2020	DS1-SC-4	DS1	core	0	1.5	21-Aug-20	0.038	<0.00005	0.0050	0.00005	mg/kg dw	
2020	DS1-SC-5	DS1	core	0	1.5	21-Aug-20	0.043	<0.00005	0.0050	0.00005	mg/kg dw	
2020	DS1-SC-6	DS1	core	0	1.5	21-Aug-20	0.048	0.00014	0.0050	0.00005	mg/kg dw	
2020	DS1-SC-7	DS1	core	0	1.5	21-Aug-20	0.046	0.00007	0.0050	0.00005	mg/kg dw	
2020	DS1-SC-8	DS1	core	0	1.5	21-Aug-20	0.042	<0.00005	0.0050	0.00005	mg/kg dw	
2020	DS1-SC-9	DS1	core	0	1.5	21-Aug-20	0.053	<0.00005	0.0050	0.00005	mg/kg dw	
2020	DS1-SC-10	DS1	core	0	1.5	21-Aug-20	0.074	0.00018	0.0050	0.00005	mg/kg dw	
2020	A20-SC-1	A20	core	0	1.5	21-Aug-20	0.040	0.00022	0.0050	0.00005	mg/kg dw	
2020	A20-SC-2	A20	core	0	1.5	21-Aug-20	0.041	0.00015	0.0050	0.00005	mg/kg dw	
2020	A20-SC-3	A20	core	0	1.5	21-Aug-20	0.042	0.00018	0.0050	0.00005	mg/kg dw	
2020	A20-SC-4	A20	core	0	1.5	21-Aug-20	0.045	0.00026	0.0050	0.00005	mg/kg dw	
2020	A20-SC-5	A20	core	0	1.5	21-Aug-20	0.049	0.00049	0.0050	0.00005	mg/kg dw	
2020	A20-SC-6	A20	core	0	1.5	21-Aug-20	0.044	0.00037	0.0050	0.00005	mg/kg dw	
2020	A20-SC-7	A20	core	0	1.5	21-Aug-20	0.031	0.00006	0.0050	0.00005	mg/kg dw	
2020	A20-SC-8	A20	core	0	1.5	21-Aug-20	0.031	0.00007	0.0050	0.00005	mg/kg dw	
2020	A20-SC-9	A20	core	0	1.5	21-Aug-20	0.044	0.00078	0.0050	0.00005	mg/kg dw	
2020	A20-SC-10	A20	core	0	1.5	21-Aug-20	0.050	0.00020	0.0050	0.00005	mg/kg dw	
2020	NEM-SC-1	NEM	core	0	1.5	21-Aug-20	0.031	-	0.0050	-	mg/kg dw	
2020	NEM-SC-2	NEM	core	0	1.5	21-Aug-20	0.028	-	0.0050	-	mg/kg dw	
2020	NEM-SC-3	NEM	core	0	1.5	21-Aug-20	0.036	-	0.0050	-	mg/kg dw	
2020	NEM-SC-4	NEM	core	0	1.5	21-Aug-20	0.030	-	0.0050	-	mg/kg dw	
2020	NEM-SC-5	NEM	core	0	1.5	21-Aug-20	0.025	-	0.0050	-	mg/kg dw	

Table B1-1. Total and methylmercury concentrations in sediment samples collected for the Mercury Monitoring Program since 2017.

Notes:

dw = dry weight; "-" = Not analyzed.

Laboratory reports are provided in Appendix D of 2025 Core Receiving Environment Monitoring Program (Azimuth, 2026).

[1] Kangislulik Lake (KAN) was previously referred to as Mammoth Lake (MAM).

Year	Sample ID	Lake	Method	Depth Start (cm)	Depth End (cm)	Date	THg	MeHg	THg Detection Limit	MeHg Detection Limit	Hg Units	Notes
2020	NEM-SC-6	NEM	core	0	1.5	21-Aug-20	0.032	-	0.0050	-	mg/kg dw	
2020	NEM-SC-7	NEM	core	0	1.5	21-Aug-20	0.026	-	0.0050	-	mg/kg dw	
2020	NEM-SC-8	NEM	core	0	1.5	21-Aug-20	0.023	-	0.0050	-	mg/kg dw	
2020	NEM-SC-9	NEM	core	0	1.5	21-Aug-20	0.023	-	0.0050	-	mg/kg dw	
2020	NEM-SC-10	NEM	core	0	1.5	21-Aug-20	0.018	-	0.0050	-	mg/kg dw	
2020	WTS-SC-1	WTS	core	0	1.5	21-Aug-20	0.063	0.00013	0.0050	0.00005	mg/kg dw	
2020	WTS-SC-2	WTS	core	0	1.5	21-Aug-20	0.058	0.00033	0.0050	0.00005	mg/kg dw	
2020	WTS-SC-3	WTS	core	0	1.5	21-Aug-20	0.049	0.00020	0.0050	0.00005	mg/kg dw	
2020	WTS-SC-4	WTS	core	0	1.5	21-Aug-20	0.051	0.00071	0.0050	0.00005	mg/kg dw	
2020	WTS-SC-5	WTS	core	0	1.5	21-Aug-20	0.058	0.0015	0.0050	0.00005	mg/kg dw	
2020	WTS-SC-6	WTS	core	0	1.5	21-Aug-20	0.067	0.0015	0.0050	0.00005	mg/kg dw	
2020	WTS-SC-7	WTS	core	0	1.5	21-Aug-20	0.074	0.00080	0.0050	0.00005	mg/kg dw	
2020	WTS-SC-8	WTS	core	0	1.5	21-Aug-20	0.068	0.00091	0.0050	0.00005	mg/kg dw	
2020	WTS-SC-9	WTS	core	0	1.5	21-Aug-20	0.053	0.00069	0.0050	0.00005	mg/kg dw	
2020	WTS-SC-10	WTS	core	0	1.5	21-Aug-20	0.061	0.00054	0.0050	0.00005	mg/kg dw	
2020	MAM-SC-1	KAN	core	0	1.5	21-Aug-20	0.089	0.00080	0.0050	0.00005	mg/kg dw	
2020	MAM-SC-2	KAN	core	0	1.5	21-Aug-20	0.091	0.00092	0.0050	0.00005	mg/kg dw	
2020	MAM-SC-3	KAN	core	0	1.5	21-Aug-20	0.084	0.00025	0.0050	0.00005	mg/kg dw	
2020	MAM-SC-4	KAN	core	0	1.5	21-Aug-20	0.088	0.00067	0.0050	0.00005	mg/kg dw	
2020	MAM-SC-5	KAN	core	0	1.5	21-Aug-20	0.080	0.00053	0.0050	0.00005	mg/kg dw	
2020	MAM-SC-6	KAN	core	0	1.5	21-Aug-20	0.091	0.00063	0.0050	0.00005	mg/kg dw	
2020	MAM-SC-7	KAN	core	0	1.5	21-Aug-20	0.080	0.00053	0.0050	0.00005	mg/kg dw	
2020	MAM-SC-8	KAN	core	0	1.5	21-Aug-20	0.092	0.00063	0.0050	0.00005	mg/kg dw	
2020	MAM-SC-9	KAN	core	0	1.5	21-Aug-20	0.083	0.00034	0.0050	0.00005	mg/kg dw	
2020	MAM-SC-10	KAN	core	0	1.5	21-Aug-20	0.091	0.00037	0.0050	0.00005	mg/kg dw	
2020	A76-SC-1	A76	core	0	1.5	21-Aug-20	0.055	0.00031	0.0050	0.00005	mg/kg dw	
2020	A76-SC-2	A76	core	0	1.5	21-Aug-20	0.045	0.00035	0.0050	0.00005	mg/kg dw	
2020	A76-SC-3	A76	core	0	1.5	21-Aug-20	0.049	0.00041	0.0050	0.00005	mg/kg dw	
2020	A76-SC-4	A76	core	0	1.5	21-Aug-20	0.035	0.00017	0.0050	0.00005	mg/kg dw	
2020	A76-SC-5	A76	core	0	1.5	21-Aug-20	0.034	0.00018	0.0050	0.00005	mg/kg dw	
2020	A76-SC-6	A76	core	0	1.5	21-Aug-20	0.034	0.00025	0.0050	0.00005	mg/kg dw	
2020	A76-SC-7	A76	core	0	1.5	21-Aug-20	0.044	0.00020	0.0050	0.00005	mg/kg dw	
2020	A76-SC-8	A76	core	0	1.5	21-Aug-20	0.043	0.00023	0.0050	0.00005	mg/kg dw	
2020	A76-SC-9	A76	core	0	1.5	21-Aug-20	0.039	0.00012	0.0050	0.00005	mg/kg dw	
2020	A76-SC-10	A76	core	0	1.5	21-Aug-20	0.039	0.00023	0.0050	0.00005	mg/kg dw	
2021	WTS-1	WTS	grab	0	5	05-Aug-21	0.045	0.0012	0.0050	0.00005	mg/kg dw	
2021	WTS-2	WTS	grab	0	5	05-Aug-21	0.043	0.00064	0.0050	0.00005	mg/kg dw	
2021	WTS-3	WTS	grab	0	5	05-Aug-21	0.064	0.00069	0.0050	0.00005	mg/kg dw	
2021	WTS-4	WTS	grab	0	5	05-Aug-21	0.074	0.00063	0.0050	0.00005	mg/kg dw	
2021	WTS-5	WTS	grab	0	5	05-Aug-21	0.061	0.00070	0.0050	0.00005	mg/kg dw	
2021	A76-1	A76	grab	0	5	07-Aug-21	0.063	0.00059	0.0050	0.00010	mg/kg dw	
2021	A76-2	A76	grab	0	5	07-Aug-21	0.035	0.00038	0.0050	0.00005	mg/kg dw	
2021	A76-3	A76	grab	0	5	07-Aug-21	0.048	0.00052	0.0050	0.00005	mg/kg dw	
2021	A76-4	A76	grab	0	5	07-Aug-21	0.053	0.00045	0.0050	0.00010	mg/kg dw	
2021	A76-5	A76	grab	0	5	07-Aug-21	0.048	0.00048	0.0050	0.00010	mg/kg dw	
2021	DUP-1	DUP-1	grab	0	5	06-Aug-21	0.045	0.0011	0.0050	0.00005	mg/kg dw	
2021	DUP-3	DUP-3	grab	0	5	06-Aug-21	0.066	0.00040	0.0050	0.00010	mg/kg dw	
2022	INUG-1	INUG	grab	0	5	14-Aug-22	0.031	0.00047	0.0050	0.00005	mg/kg dw	Moisture, TOC and PSA not calculated due to high moisture content
2022	INUG-2	INUG	grab	0	5	14-Aug-22	0.028	0.00008	0.0050	0.00005	mg/kg dw	Moisture, TOC and PSA not calculated due to high moisture content
2022	INUG-3	INUG	grab	0	5	14-Aug-22	0.024	<0.00005	0.050	0.00005	mg/kg dw	Moisture, TOC and PSA not calculated due to high moisture content
2022	INUG-4	INUG	grab	0	5	14-Aug-22	0.030	0.00010	0.0050	0.00005	mg/kg dw	Moisture, TOC and PSA not calculated due to high moisture content
2022	INUG-5	INUG	grab	0	5	14-Aug-22	0.026	0.00007	0.0050	0.00005	mg/kg dw	Moisture, TOC and PSA not calculated due to high moisture content
2022	PDL-1	PDL	grab	0	5	15-Aug-22	0.017	0.00015	0.0050	0.00005	mg/kg dw	Moisture, TOC and PSA not calculated due to high moisture content
2022	PDL-2	PDL	grab	0	5	15-Aug-22	0.017	0.00021	0.0050	0.00005	mg/kg dw	Moisture, TOC and PSA not calculated due to high moisture content
2022	PDL-3	PDL	grab	0	5	15-Aug-22	0.018	0.00006	0.0050	0.00005	mg/kg dw	Moisture, TOC and PSA not calculated due to high moisture content
2022	PDL-4	PDL	grab	0	5	15-Aug-22	0.013	0.00008	0.0050	0.00005	mg/kg dw	Moisture, TOC and PSA not calculated due to high moisture content
2022	PDL-5	PDL	grab	0	5	15-Aug-22	0.010	0.00005	0.0050	0.00005	mg/kg dw	Moisture, TOC and PSA not calculated due to high moisture content
2022	MAM-1	KAN	grab	0	5	15-Aug-22	0.078	0.016	0.0050	0.00005	mg/kg dw	
2022	MAM-2	KAN	grab	0	5	15-Aug-22	0.072	0.0080	0.0050	0.00005	mg/kg dw	
2022	MAM-3	KAN	grab	0	5	15-Aug-22	0.071	0.012	0.0050	0.00005	mg/kg dw	
2022	MAM-4	KAN	grab	0	5	15-Aug-22	0.063	0.0039	0.0050	0.00005	mg/kg dw	
2022	MAM-5	KAN	grab	0	5	15-Aug-22	0.078	0.0032	0.0050	0.00005	mg/kg dw	
2022	A20-1	A20	grab	0	5	17-Aug-22	0.050	0.0020	0.0050	0.00005	mg/kg dw	
2022	A20-2	A20	grab	0	5	17-Aug-22	0.039	0.00074	0.0050	0.00005	mg/kg dw	
2022	A20-3	A20	grab	0	5	17-Aug-22	0.051	0.0041	0.0050	0.00005	mg/kg dw	
2022	A20-4	A20	grab	0	5	17-Aug-22	0.042	0.0014	0.0050	0.00005	mg/kg dw	
2022	A20-5	A20	grab	0	5	17-Aug-22	0.048	0.0039	0.0050	0.00005	mg/kg dw	
2022	DS1-1	DS1	grab	0	5	16-Aug-22	0.060	<0.00005	0.050	0.00005	mg/kg dw	
2022	DS1-2	DS1	grab	0	5	16-Aug-22	0.068	<0.00005	0.050	0.00005	mg/kg dw	
2022	DS1-3	DS1	grab	0	5	16-Aug-22	0.063	0.0018	0.0050	0.00005	mg/kg dw	
2022	DS1-4	DS1	grab	0	5	16-Aug-22	0.067	0.00008	0.0050	0.00005	mg/kg dw	
2022	DS1-5	DS1	grab	0	5	16-Aug-22	0.059	<0.00005	0.0050	0.00005	mg/kg dw	
2022	A76-1	A76	grab	0	5	16-Aug-22	0.054	0.00012	0.0050	0.00005	mg/kg dw	Moisture, TOC and PSA not calculated due to high moisture content
2022	A76-2	A76	grab	0	5	16-Aug-22	0.037	0.00012	0.0050	0.00005	mg/kg dw	Moisture, TOC and PSA not calculated due to high moisture content
2022	A76-3	A76	grab	0	5	16-Aug-22	0.043	<0.00005	0.0050	0.00005	mg/kg dw	Moisture, TOC and PSA not calculated due to high moisture content
2022	A76-4	A76	grab	0	5	16-Aug-22	0.052	0.00051	0.0050	0.00005	mg/kg dw	Moisture, TOC and PSA not calculated due to high moisture content
2022	A76-5	A76	grab	0	5	16-Aug-22	0.052	0.00024	0.0050	0.00005	mg/kg dw	Moisture, TOC and PSA not calculated due to high moisture content
2022	NEM-1	NEM	grab	0	5	15-Aug-22	0.026	-	0.0050	0.00005	mg/kg dw	MeHg not included in this years MMP
2022	NEM-2	NEM	grab	0	5	15-Aug-22	0.028	-	0.0050	0.00005	mg/kg dw	MeHg not included in this years MMP
2022	NEM-3	NEM	grab	0	5	15-Aug-22	0.020	-	0.0050	0.00005	mg/kg dw	MeHg not included in this years MMP
2022	NEM-4	NEM	grab	0	5	15-Aug-22	0.024	-	0.0050	0.00005	mg/kg dw	MeHg not included in this years MMP
2022	NEM-5	NEM	grab	0	5	15-Aug-22	0.024	-	0.0050	0.00005	mg/kg dw	MeHg not included in this years MMP
2022	WTS-1	WTS	grab	0	5	14-Aug-22	0.045	0.00086	0.0050	0.00005	mg/kg dw	
2022	WTS-2	WTS	grab	0	5	14-Aug-22	0.037	0.0020	0.0050	0.00005	mg/kg dw	
2022	WTS-3	WTS	grab	0	5	14-Aug-22	0.062	0.0069	0.0050	0.00005	mg/kg dw	
2022	WTS-4	WTS	grab	0	5	14-Aug-22	0.071	0.0016	0.0050	0.00005	mg/kg dw	
2022	WTS-5	WTS	grab	0	5	14-Aug-22	0.052	0.00095	0.0050	0.00005	mg/kg dw	
2022	B3-1	B3	grab	0	5	18-Aug-22	0.039	0.0013	0.0050	0.00005	mg/kg dw	
2022	B3-2	B3	grab	0	5	18-Aug-22	0.036	0.00097	0.0050	0.00005	mg/kg dw	
2022	B3-3	B3	grab	0	5	18-Aug-22	0.029	0.00073	0.0050	0.00005	mg/kg dw	
2022	B3-4	B3	grab	0	5	18-Aug-22	0.031	0.00048	0.0050	0.00005	mg/kg dw	
2022	B3-5	B3	grab	0	5	18-Aug-22	0.035	0.0022	0.0050	0.00005	mg/kg dw	

Table B1-1. Total and methylmercury concentrations in sediment samples collected for the Mercury Monitoring Program since 2017.

Notes:

dw = dry weight; "-" = Not analyzed.

Laboratory reports are provided in Appendix D of 2025 Core Receiving Environment Monitoring Program (Azimuth, 2026).

[1] Kangislulik Lake (KAN) was previously referred to as Mammoth Lake (MAM).

Year	Sample ID	Lake	Method	Depth Start (cm)	Depth End (cm)	Date	THg	MeHg	THg Detection Limit	MeHg Detection Limit	Hg Units	Notes
2022	DUP-3	DUP-3	grab	0	5	13-Aug-22	0.027	0.00012	0.0050	0.00005	mg/kg dw	Moisture, TOC and PSA not calculated due to high moisture content
2022	DUP-5	DUP-5	grab	0	5	15-Aug-22	0.078	0.00023	0.0050	0.00005	mg/kg dw	
2022	DUP-6	DUP-6	grab	0	5	15-Aug-22	0.020	-	0.0050	0.00005	mg/kg dw	MeHg not included in this years MMP
2022	DUP-7	DUP-7	grab	0	5	17-Aug-22	0.048	0.0040	0.0050	0.00005	mg/kg dw	
2022	WTS-INUN-1	WTS	inundation	7	8	21-Aug-22	0.12	0.017	0.0050	0.00005	mg/kg dw	Inundation samples; collected by spoon
2022	WTS-INUN-2	WTS	inundation	7	8	21-Aug-22	0.13	0.0016	0.0050	0.00005	mg/kg dw	Inundation samples; collected by spoon
2022	A20-INUN-1	A20	inundation	7	8	21-Aug-22	0.100	0.016	0.0050	0.00005	mg/kg dw	Inundation samples; collected by spoon
2022	A20-INUN-2	A20	inundation	7	8	21-Aug-22	0.10	0.025	0.0050	0.00005	mg/kg dw	Inundation samples; collected by spoon
2022	A65-INUN-1	A65	inundation	7	8	19-Aug-22	0.11	0.0040	0.0050	0.00005	mg/kg dw	Inundation samples; collected by spoon
2022	A65-INUN-2	A65	inundation	7	8	19-Aug-22	0.12	0.0100	0.0050	0.00005	mg/kg dw	Inundation samples; collected by spoon
2023	INUG-SC-1	INUG	core	0	1.5	22-Aug-23	0.029	0.00020	0.0050	0.00005	mg/kg dw	
2023	INUG-SC-2	INUG	core	0	1.5	22-Aug-23	0.033	-	0.0050	0.00005	mg/kg dw	
2023	INUG-SC-3	INUG	core	0	1.5	22-Aug-23	0.031	0.00029	0.0050	0.00005	mg/kg dw	
2023	INUG-SC-4	INUG	core	0	1.5	22-Aug-23	0.033	-	0.0050	0.00005	mg/kg dw	
2023	INUG-SC-5	INUG	core	0	1.5	22-Aug-23	0.031	-	0.0050	0.00005	mg/kg dw	
2023	INUG-SC-6	INUG	core	0	1.5	22-Aug-23	0.030	0.00008	0.0050	0.00005	mg/kg dw	
2023	INUG-SC-7	INUG	core	0	1.5	22-Aug-23	0.028	0.00012	0.0050	0.00005	mg/kg dw	
2023	INUG-SC-8	INUG	core	0	1.5	22-Aug-23	0.031	-	0.0050	0.00005	mg/kg dw	
2023	INUG-SC-9	INUG	core	0	1.5	22-Aug-23	0.035	0.00027	0.0050	0.00005	mg/kg dw	
2023	INUG-SC-10	INUG	core	0	1.5	22-Aug-23	0.024	-	0.0050	0.00005	mg/kg dw	
2023	PDL-SC-1	PDL	core	0	1.5	22-Aug-23	0.028	-	0.0050	0.00005	mg/kg dw	
2023	PDL-SC-2	PDL	core	0	1.5	22-Aug-23	0.023	-	0.0050	0.00005	mg/kg dw	
2023	PDL-SC-3	PDL	core	0	1.5	22-Aug-23	0.020	-	0.0050	0.00005	mg/kg dw	
2023	PDL-SC-4	PDL	core	0	1.5	22-Aug-23	0.022	0.00018	0.0050	0.00005	mg/kg dw	
2023	PDL-SC-5	PDL	core	0	1.5	22-Aug-23	0.022	0.00016	0.0050	0.00005	mg/kg dw	
2023	PDL-SC-6	PDL	core	0	1.5	22-Aug-23	0.018	0.00007	0.0050	0.00005	mg/kg dw	
2023	PDL-SC-7	PDL	core	0	1.5	22-Aug-23	0.020	-	0.0050	0.00005	mg/kg dw	
2023	PDL-SC-8	PDL	core	0	1.5	22-Aug-23	0.019	-	0.0050	0.00005	mg/kg dw	
2023	PDL-SC-9	PDL	core	0	1.5	22-Aug-23	0.020	0.00016	0.0050	0.00005	mg/kg dw	
2023	PDL-SC-10	PDL	core	0	1.5	22-Aug-23	0.020	0.00016	0.0050	0.00005	mg/kg dw	
2023	A20-SC-1	A20	core	0	1.5	16-Aug-23	0.062	-	0.0050	0.00005	mg/kg dw	
2023	A20-SC-2	A20	core	0	1.5	16-Aug-23	0.052	-	0.0050	0.00005	mg/kg dw	
2023	A20-SC-3	A20	core	0	1.5	16-Aug-23	0.043	-	0.0050	0.00005	mg/kg dw	
2023	A20-SC-4	A20	core	0	1.5	16-Aug-23	0.047	0.00051	0.0050	0.00005	mg/kg dw	
2023	A20-SC-5	A20	core	0	1.5	16-Aug-23	0.060	0.00086	0.0050	0.00005	mg/kg dw	
2023	A20-SC-6	A20	core	0	1.5	16-Aug-23	0.052	-	0.0050	0.00005	mg/kg dw	
2023	A20-SC-7	A20	core	0	1.5	16-Aug-23	0.046	0.00088	0.0050	0.00005	mg/kg dw	
2023	A20-SC-8	A20	core	0	1.5	16-Aug-23	0.056	-	0.0050	0.00005	mg/kg dw	
2023	A20-SC-9	A20	core	0	1.5	16-Aug-23	0.060	0.00028	0.0050	0.00005	mg/kg dw	
2023	A20-SC-10	A20	core	0	1.5	16-Aug-23	0.045	0.00070	0.0050	0.00005	mg/kg dw	
2023	WTS-SC-1	WTS	core	0	1.5	12-Aug-23	0.062	-	0.0050	0.00005	mg/kg dw	
2023	WTS-SC-2	WTS	core	0	1.5	12-Aug-23	0.075	<0.000066	0.0050	0.00005	mg/kg dw	
2023	WTS-SC-3	WTS	core	0	1.5	12-Aug-23	0.046	0.00086	0.0050	0.00005	mg/kg dw	
2023	WTS-SC-4	WTS	core	0	1.5	12-Aug-23	0.030	-	0.0050	0.00005	mg/kg dw	
2023	WTS-SC-5	WTS	core	0	1.5	12-Aug-23	0.075	0.00030	0.0050	0.00005	mg/kg dw	
2023	WTS-SC-6	WTS	core	0	1.5	12-Aug-23	0.068	0.00036	0.0050	0.00005	mg/kg dw	
2023	WTS-SC-7	WTS	core	0	1.5	12-Aug-23	0.076	-	0.0050	0.00005	mg/kg dw	
2023	WTS-SC-8	WTS	core	0	1.5	12-Aug-23	0.072	0.0025	0.0050	0.00005	mg/kg dw	
2023	WTS-SC-9	WTS	core	0	1.5	12-Aug-23	0.071	-	0.0050	0.00005	mg/kg dw	
2023	WTS-SC-10	WTS	core	0	1.5	12-Aug-23	0.050	-	0.0050	0.00005	mg/kg dw	
2023	MAM-SC-1	KAN	core	0	1.5	15-Aug-23	0.086	-	0.0050	0.00005	mg/kg dw	
2023	MAM-SC-2	KAN	core	0	1.5	15-Aug-23	0.082	-	0.0050	0.00005	mg/kg dw	
2023	MAM-SC-3	KAN	core	0	1.5	15-Aug-23	0.082	0.0018	0.0050	0.00005	mg/kg dw	
2023	MAM-SC-4	KAN	core	0	1.5	15-Aug-23	0.076	-	0.0050	0.00005	mg/kg dw	
2023	MAM-SC-5	KAN	core	0	1.5	15-Aug-23	0.094	0.0022	0.0050	0.00005	mg/kg dw	
2023	MAM-SC-6	KAN	core	0	1.5	15-Aug-23	0.080	0.0012	0.0050	0.00005	mg/kg dw	
2023	MAM-SC-7	KAN	core	0	1.5	15-Aug-23	0.083	-	0.0050	0.00005	mg/kg dw	
2023	MAM-SC-8	KAN	core	0	1.5	15-Aug-23	0.083	-	0.0050	0.00005	mg/kg dw	
2023	MAM-SC-9	KAN	core	0	1.5	15-Aug-23	0.071	0.00037	0.0050	0.00005	mg/kg dw	
2023	MAM-SC-10	KAN	core	0	1.5	15-Aug-23	0.067	0.00032	0.0050	0.00005	mg/kg dw	
2023	A76-SC-1	A76	core	0	1.5	13-Aug-23	0.059	-	0.0050	0.00005	mg/kg dw	
2023	A76-SC-2	A76	core	0	1.5	13-Aug-23	0.047	-	0.0050	0.00005	mg/kg dw	
2023	A76-SC-3	A76	core	0	1.5	13-Aug-23	0.044	-	0.0050	0.00005	mg/kg dw	
2023	A76-SC-4	A76	core	0	1.5	13-Aug-23	0.045	-	0.0050	0.00005	mg/kg dw	
2023	A76-SC-5	A76	core	0	1.5	13-Aug-23	0.043	-	0.0050	0.00005	mg/kg dw	
2023	A76-SC-6	A76	core	0	1.5	13-Aug-23	0.044	-	0.0050	0.00005	mg/kg dw	
2023	A76-SC-7	A76	core	0	1.5	13-Aug-23	0.042	-	0.0050	0.00005	mg/kg dw	
2023	A76-SC-8	A76	core	0	1.5	13-Aug-23	0.050	-	0.0050	0.00005	mg/kg dw	
2023	A76-SC-9	A76	core	0	1.5	13-Aug-23	0.054	-	0.0050	0.00005	mg/kg dw	
2023	A76-SC-10	A76	core	0	1.5	13-Aug-23	0.055	-	0.0050	0.00005	mg/kg dw	
2023	DS1-SC-1	DS1	core	0	1.5	17-Aug-23	0.075	-	0.0050	0.00005	mg/kg dw	
2023	DS1-SC-2	DS1	core	0	1.5	17-Aug-23	0.081	-	0.0050	0.00005	mg/kg dw	
2023	DS1-SC-3	DS1	core	0	1.5	17-Aug-23	0.076	-	0.0050	0.00005	mg/kg dw	
2023	DS1-SC-4	DS1	core	0	1.5	17-Aug-23	0.065	-	0.0050	0.00005	mg/kg dw	
2023	DS1-SC-5	DS1	core	0	1.5	17-Aug-23	0.065	-	0.0050	0.00005	mg/kg dw	
2023	DS1-SC-6	DS1	core	0	1.5	17-Aug-23	0.075	-	0.0050	0.00005	mg/kg dw	
2023	DS1-SC-7	DS1	core	0	1.5	17-Aug-23	0.067	-	0.0050	0.00005	mg/kg dw	
2023	DS1-SC-8	DS1	core	0	1.5	17-Aug-23	0.068	-	0.0050	0.00005	mg/kg dw	
2023	DS1-SC-9	DS1	core	0	1.5	17-Aug-23	0.050	-	0.0050	0.00005	mg/kg dw	
2023	DS1-SC-10	DS1	core	0	1.5	17-Aug-23	0.060	-	0.0050	0.00005	mg/kg dw	
2023	INUG-1	INUG	grab	0	5	22-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	INUG-2	INUG	grab	0	5	22-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	INUG-3	INUG	grab	0	5	22-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	INUG-4	INUG	grab	0	5	22-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	INUG-5	INUG	grab	0	5	22-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	PDL-1	PDL	grab	0	5	22-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	PDL-2	PDL	grab	0	5	22-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	PDL-3	PDL	grab	0	5	22-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	PDL-4	PDL	grab	0	5	22-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	PDL-5	PDL	grab	0	5	22-Aug-23	-	-	0.0050	0.00005	mg/kg dw	

Table B1-1. Total and methylmercury concentrations in sediment samples collected for the Mercury Monitoring Program since 2017.

Notes:
dw = dry weight; "-" = Not analyzed.
Laboratory reports are provided in Appendix D of 2025 Core Receiving Environment Monitoring Program (Azimuth, 2026).
[1] Kangislulik Lake (KAN) was previously referred to as Mammoth Lake (MAM).

Year	Sample ID	Lake	Method	Depth Start (cm)	Depth End (cm)	Date	THg	MeHg	THg Detection Limit	MeHg Detection Limit	Hg Units	Notes
2023	A20-1	A20	grab	0	5	16-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	A20-2	A20	grab	0	5	16-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	A20-3	A20	grab	0	5	16-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	A20-4	A20	grab	0	5	16-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	A20-5	A20	grab	0	5	16-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	WTS-1	WTS	grab	0	5	12-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	WTS-2	WTS	grab	0	5	12-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	WTS-3	WTS	grab	0	5	12-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	WTS-4	WTS	grab	0	5	12-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	WTS-5	WTS	grab	0	5	12-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	MAM-1	KAN	grab	0	5	15-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	MAM-2	KAN	grab	0	5	15-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	MAM-3	KAN	grab	0	5	15-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	MAM-4	KAN	grab	0	5	15-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	MAM-5	KAN	grab	0	5	15-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	A76-1	A76	grab	0	5	13-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	A76-2	A76	grab	0	5	13-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	A76-3	A76	grab	0	5	13-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	A76-4	A76	grab	0	5	13-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	A76-5	A76	grab	0	5	13-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	DS1-1	DS1	grab	0	5	17-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	DS1-2	DS1	grab	0	5	17-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	DS1-3	DS1	grab	0	5	17-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	DS1-4	DS1	grab	0	5	17-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	DS1-5	DS1	grab	0	5	17-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	LK8-1	LK8	grab	0	5	20-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	LK8-2	LK8	grab	0	5	20-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	LK8-3	LK8	grab	0	5	20-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	LK8-4	LK8	grab	0	5	20-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	LK8-5	LK8	grab	0	5	20-Aug-23	-	-	0.0050	0.00005	mg/kg dw	
2023	DUP-SC-9	A76	core	0	1.5	23-Aug-23	0.047	-	0.0050	0.00005	mg/kg dw	Duplicate of A76-SC-4
2023	SC-DUP-10	KAN	core	0	1.5	23-Aug-23	0.088	0.0013	0.0050	0.00005	mg/kg dw	Duplicate of MAM-SC-3
2023	DUP-SC-12	A20	core	0	1.5	16-Aug-23	0.040	0.00032	0.0050	0.00005	mg/kg dw	Duplicate of A20-SC-7
2023	DUP-SC-13	DS1	core	0	1.5	17-Aug-23	0.070	-	0.0050	0.00005	mg/kg dw	Duplicate of DS1-SC-4
2023	DUP-SC-15	INUG	core	0	1.5	22-Aug-23	0.031	0.00015	0.0050	0.00005	mg/kg dw	Duplicate of INUG-SC-1
2023	DUP-SC-16	PDL	core	0	1.5	22-Aug-23	0.018	0.00015	0.0050	0.00005	mg/kg dw	Duplicate of PDL-SC-2
2023	Grab-DUP-3	INUG	grab	0	5	22-Aug-23	-	-	0.0050	0.00005	mg/kg dw	Duplicate of INUG-2
2023	Grab-DUP-5	LK8	grab	0	5	20-Aug-23	-	-	0.0050	0.00005	mg/kg dw	Duplicate of LK8-4
2023	Grab-DUP-6	A76	grab	0	5	23-Aug-23	-	-	0.0050	0.00005	mg/kg dw	Duplicate of A76-1
2023	Grab-DUP-7	KAN	grab	0	5	15-Aug-23	-	-	0.0050	0.00005	mg/kg dw	Duplicate of MAM-1
2023	Grab-DUP-9	A20	grab	0	5	16-Aug-23	-	-	0.0050	0.00005	mg/kg dw	Duplicate of A20-3
2023	Grab-DUP-10	DS1	grab	0	5	17-Aug-23	-	-	0.0050	0.00005	mg/kg dw	Duplicate of DS1-5
2023	A20-INUN-3	A20	inundation	7	8	14-Aug-23	0.074	0.0056	0.0050	0.00005	mg/kg dw	
2023	A20-INUN-4	A20	inundation	7	8	14-Aug-23	0.078	0.020	0.0050	0.00005	mg/kg dw	
2023	WTS-INUN-3	WTS	inundation	7	8	19-Aug-23	0.034	0.0078	0.0050	0.00005	mg/kg dw	
2023	WTS-INUN-4	WTS	inundation	7	8	19-Aug-23	0.078	0.021	0.0050	0.00005	mg/kg dw	
2023	A65-INUN-3	A65	inundation	7	8	20-Aug-23	0.060	0.0072	0.0050	0.00005	mg/kg dw	
2023	A65-INUN-4	A65	inundation	7	8	20-Aug-23	0.072	0.0059	0.0050	0.00005	mg/kg dw	
2023	DUP-INUN-1	A65	inundation	7	8	20-Aug-23	0.065	0.0055	0.0050	0.00005	mg/kg dw	Duplicate of A65-INUN-4
2024	PDL-1	PDL	grab	0	5	11-Aug-24	0.012	-	0.0050	-	mg/kg dw	
2024	PDL-2	PDL	grab	0	5	11-Aug-24	0.0088	-	0.0050	-	mg/kg dw	
2024	PDL-3	PDL	grab	0	5	11-Aug-24	0.0079	-	0.0050	-	mg/kg dw	
2024	PDL-4	PDL	grab	0	5	11-Aug-24	0.0095	-	0.0050	-	mg/kg dw	
2024	PDL-5	PDL	grab	0	5	11-Aug-24	0.0093	-	0.0050	-	mg/kg dw	
2024	INUG-1	INUG	grab	0	5	10-Aug-24	0.022	-	0.0050	-	mg/kg dw	
2024	INUG-2	INUG	grab	0	5	10-Aug-24	0.026	-	0.0050	-	mg/kg dw	
2024	INUG-3	INUG	grab	0	5	10-Aug-24	0.021	-	0.0050	-	mg/kg dw	
2024	INUG-4	INUG	grab	0	5	10-Aug-24	0.021	-	0.0050	-	mg/kg dw	
2024	INUG-5	INUG	grab	0	5	10-Aug-24	0.028	-	0.0050	-	mg/kg dw	
2024	WTS-1	WTS	grab	0	5	15-Aug-24	0.041	-	0.0050	-	mg/kg dw	
2024	WTS-2	WTS	grab	0	5	15-Aug-24	0.039	-	0.0050	-	mg/kg dw	
2024	WTS-3	WTS	grab	0	5	15-Aug-24	0.053	-	0.0050	-	mg/kg dw	
2024	WTS-4	WTS	grab	0	5	15-Aug-24	0.060	-	0.0050	-	mg/kg dw	
2024	WTS-5	WTS	grab	0	5	15-Aug-24	0.046	-	0.0050	-	mg/kg dw	
2024	MAM-1	KAN	grab	0	5	18-Aug-24	0.083	-	0.0050	-	mg/kg dw	
2024	MAM-2	KAN	grab	0	5	18-Aug-24	0.070	-	0.0050	-	mg/kg dw	
2024	MAM-3	KAN	grab	0	5	18-Aug-24	0.069	-	0.0050	-	mg/kg dw	
2024	MAM-4	KAN	grab	0	5	18-Aug-24	0.051	-	0.0050	-	mg/kg dw	
2024	MAM-5	KAN	grab	0	5	18-Aug-24	0.088	-	0.0050	-	mg/kg dw	
2024	A20-1	A20	grab	0	5	18-Aug-24	0.038	-	0.0050	-	mg/kg dw	
2024	A20-2	A20	grab	0	5	18-Aug-24	0.040	-	0.0050	-	mg/kg dw	
2024	A20-3	A20	grab	0	5	18-Aug-24	0.048	-	0.0050	-	mg/kg dw	
2024	A20-4	A20	grab	0	5	18-Aug-24	0.036	-	0.0050	-	mg/kg dw	
2024	A20-5	A20	grab	0	5	18-Aug-24	0.041	-	0.0050	-	mg/kg dw	
2024	Grab-DUP-2	INUG	grab	0	5	10-Aug-24	0.025	-	0.0050	-	mg/kg dw	Grab dup collected at INUG-4
2024	Grab-DUP-5	WTS	grab	0	5	15-Aug-24	0.047	-	0.0050	-	mg/kg dw	Grab dup collected at WTS-5
2024	WTS-SC-1	WTS	core	0	1.5	15-Aug-24	0.073	-	0.0050	-	mg/kg dw	
2024	WTS-SC-2	WTS	core	0	1.5	15-Aug-24	0.069	-	0.0050	-	mg/kg dw	
2024	WTS-SC-3	WTS	core	0	1.5	15-Aug-24	0.069	-	0.0050	-	mg/kg dw	
2024	WTS-SC-4	WTS	core	0	1.5	15-Aug-24	0.062	-	0.0050	-	mg/kg dw	
2024	WTS-SC-5	WTS	core	0	1.5	15-Aug-24	0.065	-	0.0050	-	mg/kg dw	
2024	WTS-SC-6	WTS	core	0	1.5	15-Aug-24	0.057	-	0.0050	-	mg/kg dw	
2024	WTS-SC-7	WTS	core	0	1.5	15-Aug-24	0.052	-	0.0050	-	mg/kg dw	
2024	WTS-SC-8	WTS	core	0	1.5	15-Aug-24	0.062	-	0.0050	-	mg/kg dw	
2024	WTS-SC-9	WTS	core	0	1.5	17-Aug-24	0.082	-	0.0050	-	mg/kg dw	
2024	WTS-SC-10	WTS	core	0	1.5	17-Aug-24	0.10	-	0.0050	-	mg/kg dw	
2024	WTS-SC-11	WTS	core	0	1.5	17-Aug-24	0.066	-	0.0050	-	mg/kg dw	
2024	WTS-SC-12	WTS	core	0	1.5	17-Aug-24	0.055	-	0.0050	-	mg/kg dw	
2024	WTS-SC-13	WTS	core	0	1.5	17-Aug-24	0.040	-	0.0050	-	mg/kg dw	
2024	WTS-SC-14	WTS	core	0	1.5	17-Aug-24	0.061	-	0.0050	-	mg/kg dw	
2024	WTS-SC-15	WTS	core	0	1.5	17-Aug-24	0.052	-	0.0050	-	mg/kg dw	

Table B1-1. Total and methylmercury concentrations in sediment samples collected for the Mercury Monitoring Program since 2017.

Notes:
dw = dry weight; "-" = Not analyzed.
Laboratory reports are provided in Appendix D of 2025 Core Receiving Environment Monitoring Program (Azimuth, 2026).
[1] Kangislulik Lake (KAN) was previously referred to as Mammoth Lake (MAM).

Year	Sample ID	Lake	Method	Depth Start (cm)	Depth End (cm)	Date	THg	MeHg	THg Detection Limit	MeHg Detection Limit	Hg Units	Notes
2024	WTS-SC-16	WTS	core	0	1.5	17-Aug-24	0.049	-	0.0050	-	mg/kg dw	
2024	WTS-SC-17	WTS	core	0	1.5	17-Aug-24	0.033	-	0.0050	-	mg/kg dw	
2024	WTS-SC-18	WTS	core	0	1.5	17-Aug-24	0.054	-	0.0050	-	mg/kg dw	
2024	WTS-SC-19	WTS	core	0	1.5	17-Aug-24	0.032	-	0.0050	-	mg/kg dw	
2024	WTS-SC-20	WTS	core	0	1.5	17-Aug-24	0.069	-	0.0050	-	mg/kg dw	
2024	WTS-SC-21	WTS	core	0	1.5	18-Aug-24	0.049	-	0.0050	-	mg/kg dw	
2024	WTS-SC-22	WTS	core	0	1.5	18-Aug-24	0.015	-	0.0050	-	mg/kg dw	
2024	WTS-SC-23	WTS	core	0	1.5	18-Aug-24	0.016	-	0.0050	-	mg/kg dw	
2024	WTS-SC-24	WTS	core	0	1.5	18-Aug-24	0.048	-	0.0050	-	mg/kg dw	
2024	WTS-SC-25	WTS	core	0	1.5	18-Aug-24	0.051	-	0.0050	-	mg/kg dw	
2024	SC-DUP-1	WTS	core	0	1.5	18-Aug-24	0.056	-	0.0050	-	mg/kg dw	
2024	SC-DUP-2	WTS	core	0	1.5	18-Aug-24	0.054	-	0.0050	-	mg/kg dw	
2025	INUG-1	INUG	grab	0	5	12-Aug-25	0.030	-	0.0050	-	mg/kg dw	
2025	INUG-2	INUG	grab	0	5	12-Aug-25	0.025	-	0.0050	-	mg/kg dw	
2025	INUG-3	INUG	grab	0	5	12-Aug-25	0.027	-	0.0050	-	mg/kg dw	
2025	INUG-4	INUG	grab	0	5	12-Aug-25	0.028	-	0.0050	-	mg/kg dw	
2025	INUG-5	INUG	grab	0	5	12-Aug-25	0.022	-	0.0050	-	mg/kg dw	
2025	PDL-1	PDL	grab	0	5	12-Aug-25	0.012	-	0.0050	-	mg/kg dw	
2025	PDL-2	PDL	grab	0	5	12-Aug-25	0.011	-	0.0050	-	mg/kg dw	
2025	PDL-3	PDL	grab	0	5	12-Aug-25	0.011	-	0.0050	-	mg/kg dw	
2025	PDL-4	PDL	grab	0	5	12-Aug-25	0.0090	-	0.0050	-	mg/kg dw	
2025	PDL-5	PDL	grab	0	5	12-Aug-25	0.0099	-	0.0050	-	mg/kg dw	
2025	WTS-1	WTS	grab	0	5	16-Aug-25	0.033	-	0.0050	-	mg/kg dw	
2025	WTS-2	WTS	grab	0	5	16-Aug-25	0.019	-	0.0050	-	mg/kg dw	
2025	WTS-3	WTS	grab	0	5	16-Aug-25	0.068	-	0.0050	-	mg/kg dw	
2025	WTS-4	WTS	grab	0	5	16-Aug-25	0.058	-	0.0050	-	mg/kg dw	
2025	WTS-5	WTS	grab	0	5	16-Aug-25	0.032	-	0.0050	-	mg/kg dw	
2025	MAM-1	KAN	grab	0	5	17-Aug-25	0.075	-	0.0050	-	mg/kg dw	
2025	MAM-2	KAN	grab	0	5	17-Aug-25	0.082	-	0.0050	-	mg/kg dw	
2025	MAM-3	KAN	grab	0	5	17-Aug-25	0.083	-	0.0050	-	mg/kg dw	
2025	MAM-4	KAN	grab	0	5	17-Aug-25	0.089	-	0.0050	-	mg/kg dw	
2025	MAM-5	KAN	grab	0	5	17-Aug-25	0.090	-	0.0050	-	mg/kg dw	
2025	A20-1	A20	grab	0	5	16-Aug-25	0.049	-	0.0050	-	mg/kg dw	
2025	A20-2	A20	grab	0	5	16-Aug-25	0.026	-	0.0050	-	mg/kg dw	
2025	A20-3	A20	grab	0	5	16-Aug-25	0.058	-	0.0050	-	mg/kg dw	
2025	A20-4	A20	grab	0	5	16-Aug-25	0.045	-	0.0050	-	mg/kg dw	
2025	A20-5	A20	grab	0	5	16-Aug-25	0.047	-	0.0050	-	mg/kg dw	

APPENDIX C
FISH DATA

APPENDIX C1

SMALL-BODIED FISH MERCURY AND STABLE ISOTOPES DATABASE

Table C1-1. Small-bodied fish samples collected for the Mercury Monitoring Program since 2018.

Notes:

NSSB = Ninespine Stickleback; SLSC = Slimy Sculpin

"-" = Not Reported.

[1] Kangislulik Lake (KAN) was previously referred to as Mammoth Lake (MAM).

Year	Sample ID	Area [1]	Date	Species	Total Length (mm)	Field Weight (g)	Total Hg in Fish Tissue (THg ppm ww)	Stable Isotopes		Notes
								C13	N15	
2018	14012	WTS	26-Jul-18	NSSB	38	0.40	0.052	-24	8.6	
2018	14014	WTS	26-Jul-18	NSSB	38	0.40	0.055	-27	8.5	
2018	14017	WTS	26-Jul-18	NSSB	45	0.60	0.075	-26	8.8	
2018	14018	WTS	26-Jul-18	NSSB	34	0.30	0.056	-24	9.3	
2018	14019	WTS	26-Jul-18	NSSB	48	0.70	0.045	-25	8.7	
2018	14022	WTS	26-Jul-18	NSSB	41	0.60	0.064	-26	9.0	
2018	14023	WTS	26-Jul-18	NSSB	46	0.60	0.041	-24	8.3	
2018	14031	WTS	28-Jul-18	NSSB	43	0.50	0.038	-24	8.7	
2018	14041	KAN	29-Jul-18	NSSB	49	0.70	0.028	-26	8.8	
2018	14044	KAN	29-Jul-18	SLSC	36	0.40	0.030	-24	6.7	
2018	14045	KAN	29-Jul-18	SLSC	30	0.20	0.036	-24	7.7	
2018	14049	KAN	29-Jul-18	SLSC	33	0.30	0.029	-23	6.3	
2018	14053	KAN	29-Jul-18	SLSC	29	0.30	0.041	-24	6.5	
2018	14059	KAN	29-Jul-18	SLSC	32	0.30	0.036	-24	7.2	
2018	14099	WTS	30-Jul-18	SLSC	37	0.40	0.041	-25	7.5	
2018	14100	WTS	30-Jul-18	SLSC	30	0.30	0.033	-23	6.5	
2018	14106	WTS	30-Jul-18	SLSC	35	0.30	0.039	-24	7.4	
2018	14109	WTS	30-Jul-18	SLSC	34	0.40	0.040	-25	7.6	
2018	14115	WTS	30-Jul-18	SLSC	32	0.30	0.033	-21	7.2	
2018	14126	A65	31-Jul-18	SLSC	36	0.40	0.044	-23	7.9	
2018	14129	A65	31-Jul-18	SLSC	39	0.60	0.034	-23	7.1	
2018	14131	A65	31-Jul-18	SLSC	38	0.40	0.033	-23	7.6	
2018	14132	A65	31-Jul-18	SLSC	33	0.30	0.037	-21	6.9	
2018	14156	A65	31-Jul-18	SLSC	37	0.50	0.039	-23	7.8	
2018	14161	A20	31-Jul-18	NSSB	45	0.60	0.035	-25	8.5	
2018	14162	A20	31-Jul-18	NSSB	42	0.50	0.039	-25	8.2	
2018	14166	A20	01-Aug-18	SLSC	29	0.20	0.045	-21	6.6	
2018	14177	A20	01-Aug-18	SLSC	30	0.30	0.045	-22	7.0	
2018	14181	A20	01-Aug-18	SLSC	32	0.30	0.033	-21	6.9	
2018	14183	A20	01-Aug-18	SLSC	34	0.30	0.026	-19	5.9	
2018	14186	A20	01-Aug-18	SLSC	33	0.20	0.029	-20	6.3	Tail broken- could not confirm FL
2018	14200	LK8	02-Aug-18	SLSC	30	0.30	0.026	-24	7.2	
2018	14201	LK8	02-Aug-18	SLSC	29	0.30	0.023	-22	6.6	
2018	14204	LK8	02-Aug-18	SLSC	36	0.20	0.034	-22	6.9	Fork length wrong- fish was 27 mm
2018	14206	LK8	02-Aug-18	SLSC	28	0.20	0.025	-20	6.2	
2018	14208	LK8	02-Aug-18	SLSC	32	0.30	0.019	-22	7.9	
2019	14262	A44	18-Aug-19	SLSC	36	0.32	0.024	-20	6.5	
2019	14266	A44	18-Aug-19	SLSC	34	0.30	0.031	-22	6.6	
2019	14269	A44	18-Aug-19	SLSC	31	0.20	0.040	NA	NA	
2019	14270	A44	18-Aug-19	SLSC	33	0.27	0.031	NA	NA	
2019	14283	A44	18-Aug-19	SLSC	37	0.35	0.026	-19	6.4	Tail broken- could not confirm FL
2019	14297	A65	19-Aug-19	NSSB	31	0.22	0.029	-25	6.9	
2019	14299	A65	19-Aug-19	NSSB	35	0.27	0.035	-27	7.6	
2019	14304	A65	19-Aug-19	NSSB	48	0.79	0.051	-26	7.9	
2019	14305	A65	19-Aug-19	NSSB	42	0.57	0.042	-27	8.6	
2019	14330	A65	19-Aug-19	NSSB	33	0.24	0.033	-26	7.5	
2019	14334	A65	19-Aug-19	NSSB	47	0.88	0.044	NA	NA	
2019	14337	A65	19-Aug-19	NSSB	32	0.26	0.030	-26	6.9	
2019	14338	A65	19-Aug-19	NSSB	43	0.67	0.038	-26	8.3	
2019	14339	A65	19-Aug-19	NSSB	45	0.85	0.040	-25	8.3	
2019	14346	A65	19-Aug-19	NSSB	30	0.19	0.039	-25	6.4	
2019	14351	WTS	20-Aug-19	NSSB	31	0.22	0.057	-26	7.9	
2019	14361	WTS	20-Aug-19	NSSB	32	0.21	0.034	-28	7.1	
2019	14363	WTS	20-Aug-19	NSSB	35	0.14	0.035	-26	7.2	Fork length wrong- fish was 25 mm
2019	14369	WTS	20-Aug-19	NSSB	42	0.70	0.049	-26	8.5	
2019	14372	WTS	20-Aug-19	NSSB	34	0.29	0.025	-28	8.3	
2019	14378	WTS	20-Aug-19	SLSC	36	0.47	0.059	-26	8.2	
2019	14379	WTS	20-Aug-19	SLSC	32	0.32	0.025	-23	8.8	
2019	14380	WTS	20-Aug-19	SLSC	38	0.50	0.030	-27	8.7	
2019	14384	WTS	20-Aug-19	SLSC	37	0.45	0.043	-26	7.3	
2019	14386	WTS	20-Aug-19	SLSC	34	0.38	0.12	-28	7.8	
2019	14418	WTS	20-Aug-19	NSSB	37	0.40	0.033	-29	10.3	
2019	14464	A20	21-Aug-19	NSSB	45	0.78	0.043	NA	NA	
2019	14465	A20	21-Aug-19	NSSB	44	0.52	0.043	-25	7.6	
2019	14466	A20	21-Aug-19	NSSB	43	0.53	0.045	-25	7.0	
2019	14470	A20	21-Aug-19	NSSB	38	0.31	0.054	-29	6.7	
2019	14477	A20	21-Aug-19	NSSB	33	0.23	0.040	-28	6.4	
2019	14481	A20	21-Aug-19	NSSB	48	0.78	0.059	-25	8.2	
2019	14485	A20	21-Aug-19	NSSB	43	0.51	0.046	-24	7.2	
2019	14495	A20	21-Aug-19	NSSB	35	0.24	0.037	-27	6.0	
2019	14497	A20	21-Aug-19	NSSB	36	0.32	0.045	-25	7.2	
2019	14498	A20	21-Aug-19	NSSB	31	0.25	0.053	-24	7.4	
2019	14503	KAN	22-Aug-19	SLSC	36	0.42	0.033	-20	7.8	
2019	14506	KAN	22-Aug-19	SLSC	38	0.45	0.031	-22	8.3	
2019	14508	KAN	22-Aug-19	SLSC	36	0.37	0.042	-22	8.1	
2019	14532	KAN	22-Aug-19	SLSC	39	0.42	0.041	-22	8.0	
2019	14534	KAN	22-Aug-19	SLSC	40	0.45	0.035	-23	7.6	
2019	14535	KAN	22-Aug-19	NSSB	43	0.51	0.030	-27	9.8	
2019	14536	KAN	22-Aug-19	NSSB	49	0.76	0.039	-26	9.3	
2020	14546	KAN	21-Aug-20	SLSC	37	0.42	0.026	-20	8.0	
2020	14550	KAN	21-Aug-20	NSSB	30	0.19	0.024	-25	6.9	
2020	14551	KAN	21-Aug-20	NSSB	40	0.44	0.025	-24	7.7	
2020	14562	KAN	21-Aug-20	SLSC	37	0.36	0.026	-21	7.8	

Table C1-1. Small-bodied fish samples collected for the Mercury Monitoring Program since 2018.

Notes:
NSSB = Ninespine Stickleback; SLSC = Slimy Sculpin
"-" = Not Reported.
[1] Kangislulik Lake (KAN) was previously referred to as Mammoth Lake (MAM).

Year	Sample ID	Area [1]	Date	Species	Total Length (mm)	Field Weight (g)	Total Hg in Fish Tissue (THg ppm ww)	Stable Isotopes		Notes
								C13	N15	
2020	14565	KAN	21-Aug-20	SLSC	38	0.45	0.061	-25	6.7	
2020	14577	KAN	21-Aug-20	SLSC	38	0.46	0.021	-18	7.4	Tail broken- could not confirm FL
2020	14578	KAN	21-Aug-20	SLSC	35	0.36	0.023	-21	7.2	
2020	14580	KAN	21-Aug-20	NSSB	34	0.25	0.022	-27	7.7	
2020	14604	LK1	22-Aug-20	SLSC	39	0.68	0.070	-25	8.1	
2020	14607	LK1	22-Aug-20	SLSC	35	0.41	0.085	-26	7.8	
2020	14608	LK1	22-Aug-20	SLSC	34	0.51	0.071	-25	7.6	
2020	14613	LK1	22-Aug-20	SLSC	34	0.34	0.072	-24	7.3	
2020	14614	LK1	22-Aug-20	SLSC	35	0.56	0.030	-23	5.9	
2020	14622	LK8	23-Aug-20	SLSC	35	0.39	0.025	-17	6.1	
2020	14628	LK8	23-Aug-20	SLSC	34	0.29	0.031	-22	6.4	
2020	14634	LK8	23-Aug-20	SLSC	31	0.27	0.022	-18	6.1	
2020	14637	LK8	23-Aug-20	SLSC	27	0.22	0.040	-21	7.2	
2020	14647	LK8	23-Aug-20	SLSC	30	0.27	0.030	-19	6.8	
2020	14655	KAN	25-Aug-20	NSSB	41	0.45	0.023	-26	8.2	
2020	14657	WTS	26-Aug-20	NSSB	38	0.34	0.34	-31	8.7	
2020	14660	WTS	26-Aug-20	NSSB	36	0.29	0.35	-30	8.6	
2020	14661	WTS	26-Aug-20	NSSB	39	0.43	0.34	-29	8.3	
2020	14671	WTS	26-Aug-20	NSSB	45	0.62	0.37	-30	8.9	
2020	14672	WTS	26-Aug-20	NSSB	41	0.42	0.29	-30	8.3	
2020	14673	WTS	26-Aug-20	NSSB	47	0.67	0.30	-31	9.2	
2020	14675	WTS	26-Aug-20	NSSB	44	0.56	0.35	-31	7.8	
2020	14676	WTS	26-Aug-20	NSSB	42	0.54	0.36	-31	8.0	
2020	14677	WTS	26-Aug-20	NSSB	31	0.22	0.31	-29	8.3	
2020	14687	WTS	26-Aug-20	NSSB	34	0.30	0.23	-27	10.1	
2020	17000	WTS	26-Aug-20	SLSC	37	0.52	0.31	-28	7.8	
2020	17014	WTS	26-Aug-20	SLSC	40	0.58	0.23	-28	7.4	
2020	17019	WTS	26-Aug-20	SLSC	45	0.71	0.30	-28	7.8	
2020	17020	WTS	26-Aug-20	SLSC	43	0.64	0.27	-28	7.5	
2020	17021	WTS	26-Aug-20	SLSC	41	0.59	0.33	-28	8.2	
2020	17023	A20	27-Aug-20	NSSB	44	0.58	0.12	-28	7.0	
2020	17028	A20	27-Aug-20	NSSB	32	0.21	0.071	-27	7.1	
2020	17029	A20	27-Aug-20	NSSB	31	0.22	0.087	-27	7.2	
2020	17031	A20	27-Aug-20	NSSB	41	0.46	0.32	-28	7.3	
2020	17039	A20	27-Aug-20	NSSB	35	0.28	0.51	-29	7.4	
2020	17041	A20	27-Aug-20	NSSB	37	0.35	0.27	-27	6.6	
2020	17045	A20	27-Aug-20	NSSB	42	0.55	0.095	-29	7.6	
2020	17047	A20	27-Aug-20	NSSB	40	0.43	0.22	-26	6.6	
2020	17050	A20	27-Aug-20	NSSB	43	0.44	0.13	-28	7.4	
2020	17051	A20	27-Aug-20	NSSB	39	0.33	0.23	-27	6.3	
2020	17063	A20	27-Aug-20	SLSC	37	0.46	0.19	-24	5.8	
2020	17064	A20	27-Aug-20	SLSC	36	0.36	0.057	-24	5.2	
2020	17065	A20	27-Aug-20	SLSC	35	0.35	0.13	-25	4.9	
2020	17073	A20	27-Aug-20	SLSC	31	0.33	0.078	-22	5.4	
2020	17079	A20	27-Aug-20	SLSC	32	0.35	0.061	-21	4.7	
2020	17097	A65	27-Aug-20	NSSB	35	0.34	0.24	-29	7.3	
2020	17099	A65	27-Aug-20	NSSB	38	0.39	0.088	-27	7.5	
2020	17102	A65	27-Aug-20	NSSB	36	0.40	0.13	-27	7.2	
2020	17103	A65	27-Aug-20	NSSB	46	0.81	0.16	-28	7.4	
2020	17105	A65	27-Aug-20	NSSB	33	0.26	0.28	-29	8.0	
2020	17108	A65	27-Aug-20	NSSB	45	0.58	0.20	-29	7.5	
2020	17110	A65	27-Aug-20	NSSB	43	0.57	0.32	-31	8.4	
2020	17124	A65	27-Aug-20	NSSB	42	0.45	0.16	-26	7.5	
2020	17125	A65	27-Aug-20	NSSB	41	0.41	0.16	-29	8.1	
2020	17127	A65	27-Aug-20	NSSB	31	0.20	0.11	-26	8.4	
2020	17138	A65	27-Aug-20	SLSC	42	0.88	0.14	-26	6.4	
2020	17141	A65	27-Aug-20	SLSC	44	0.80	0.15	-28	6.1	
2020	17142	A65	27-Aug-20	SLSC	42	0.87	0.13	-26	7.5	
2020	17144	A65	27-Aug-20	SLSC	45	1.0	0.14	-28	7.3	
2020	17159	A65	27-Aug-20	SLSC	45	0.76	0.13	-26	7.2	
2020	17172	A44	29-Aug-20	SLSC	33	0.33	0.037	-19	6.6	
2020	17181	A44	29-Aug-20	SLSC	36	0.38	0.053	-21	6.5	
2020	17187	A44	29-Aug-20	SLSC	32	0.45	0.036	-21	6.5	
2020	17190	A44	29-Aug-20	SLSC	35	0.39	0.039	-21	7.0	
2020	17196	A44	29-Aug-20	SLSC	35	0.34	0.042	-21	6.0	
2020	17200	A44	29-Aug-20	NSSB	45	0.52	0.042	-27	8.8	
2020	17201	B3	29-Aug-20	SLSC	34	0.34	0.021	-19	4.7	
2020	17203	B3	29-Aug-20	SLSC	37	0.42	0.025	-22	6.8	
2020	17206	B3	29-Aug-20	SLSC	39	0.46	0.043	-23	6.5	
2020	17223	B3	29-Aug-20	SLSC	38	0.51	0.024	-20	5.7	
2020	17224	B3	29-Aug-20	SLSC	37	0.53	0.051	-20	5.5	
2020	17235	B3	29-Aug-20	NSSB	45	0.60	0.018	-28	8.3	
2021	17369	A20	10-Aug-21	SLSC	45.2	0.70	0.10	-23	7.2	
2021	17370	A20	10-Aug-21	SLSC	44.8	0.60	0.080	-22	6.2	
2021	17371	A20	10-Aug-21	SLSC	33.8	0.30	0.13	-24	7.0	
2021	17372	A20	10-Aug-21	SLSC	33.2	0.20	0.11	-23	6.9	
2021	17375	A20	10-Aug-21	NSSB	52.8	0.90	0.21	-27	8.8	
2021	17376	A20	10-Aug-21	NSSB	59.1	1.1	0.13	-27	8.8	
2021	17377	A20	10-Aug-21	NSSB	45.5	0.40	0.17	-28	9.0	
2021	17383	A20	10-Aug-21	NSSB	45.4	0.50	0.16	-27	8.8	
2021	17837	A20	10-Aug-21	NSSB	55.4	1.0	0.14	-28	9.4	
2021	17843	A20	10-Aug-21	SLSC	49.1	0.90	0.080	-23	6.0	
2021	17845	A65	12-Aug-21	SLSC	44.9	0.60	0.10	-26	8.5	

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Notes:

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Year	Sample ID	Area [1]	Date	Species	Total Length (mm)	Field Weight (g)	Total Hg in Fish Tissue (THg ppm ww)	Stable Isotopes		Notes
								C13	N15	
2021	17850	A65	12-Aug-21	SLSC	44.9	0.70	0.17	-26	7.6	
2021	17851	A65	12-Aug-21	SLSC	40	0.60	0.22	-27	7.2	
2021	17853	A65	12-Aug-21	SLSC	47.1	0.70	0.18	-27	8.1	
2021	17855	A65	12-Aug-21	SLSC	42.1	0.60	0.12	-26	7.7	
2021	17856	A65	12-Aug-21	NSSB	59.4	1.2	0.18	-27	8.9	
2021	17857	A65	12-Aug-21	NSSB	60.1	1.2	0.28	-27	9.0	
2021	17859	A44	13-Aug-21	SLSC	37	0.30	0.040	-23	7.1	
2021	17863	A44	13-Aug-21	SLSC	33	0.20	0.040	-22	7.3	
2021	17872	WTS	14-Aug-21	SLSC	66.1	2.3	0.30	NA	NA	
2021	17874	WTS	14-Aug-21	SLSC	60.2	1.7	0.34	-29	7.5	
2021	17875	WTS	14-Aug-21	SLSC	51.6	1.0	0.48	-28	8.6	
2021	17876	WTS	14-Aug-21	SLSC	38.7	0.40	0.38	-30	7.4	
2021	17877	WTS	14-Aug-21	SLSC	40.8	0.60	0.35	-31	6.9	
2021	17880	WTS	14-Aug-21	NSSB	55.1	0.90	0.43	-27	10.9	
2021	17882	WTS	14-Aug-21	NSSB	57.5	1.0	0.31	-28	9.9	
2021	17887	B3	14-Aug-21	SLSC	50.5	0.90	0.030	-21	6.0	
2021	17892	B3	14-Aug-21	SLSC	34.3	0.20	0.020	-22	6.9	
2021	17893	B3	14-Aug-21	NSSB	56.1	1.0	0.030	-26	8.8	
2021	17894	B3	14-Aug-21	NSSB	52.8	0.80	0.030	-26	8.5	
2021	17896	LK8	15-Aug-21	SLSC	59	1.4	0.050	-25	6.7	
2021	17897	LK8	15-Aug-21	SLSC	68.9	3.0	0.040	-23	6.7	
2021	17898	LK8	15-Aug-21	SLSC	52.2	1.0	0.030	-22	7.3	
2021	17904	LK8	15-Aug-21	SLSC	61.9	1.9	0.040	-24	7.7	
2021	17905	LK8	15-Aug-21	SLSC	57.2	1.5	0.020	-22	6.9	
2021	17958	WTS	16-Aug-21	SLSC	39.3	0.50	0.27	-30	5.5	
2021	17961	WTS	16-Aug-21	SLSC	69.3	3.3	0.30	-28	8.1	
2021	17964	WTS	16-Aug-21	SLSC	45.1	0.70	0.27	-30	7.0	
2021	17965	WTS	16-Aug-21	SLSC	63.9	1.9	0.39	-29	7.8	
2021	17966	WTS	16-Aug-21	SLSC	42.1	0.60	0.33	-30	6.0	
2021	17970	WTS	16-Aug-21	NSSB	53.1	0.80	0.21	-26	9.0	
2021	17972	WTS	16-Aug-21	NSSB	43.9	0.70	0.32	-27	9.1	
2021	17973	WTS	16-Aug-21	NSSB	60.2	1.3	0.24	-26	9.4	
2021	17980	KAN	17-Aug-21	NSSB	45.1	0.50	0.090	-25	9.7	
2021	17982	KAN	17-Aug-21	NSSB	59.8	1.2	0.050	-26	9.5	
2021	17995	KAN	17-Aug-21	NSSB	48.1	0.60	0.060	-25	9.9	
2021	18006	KAN	17-Aug-21	NSSB	55.2	1.0	0.030	-25	10.8	
2021	18009	KAN	17-Aug-21	NSSB	46.2	0.70	0.030	-26	9.6	
2021	18016	KAN	17-Aug-21	SLSC	34.2	0.30	0.050	-24	8.4	
2021	18025	KAN	17-Aug-21	SLSC	38.2	0.40	0.030	-22	7.8	
2021	18031	KAN	17-Aug-21	SLSC	40.1	0.50	0.030	-22	7.3	
2021	18033	KAN	17-Aug-21	SLSC	39	0.40	0.020	-23	8.2	
2021	18042	KAN	17-Aug-21	SLSC	37.2	0.40	0.040	-23	7.4	
2021	18045	B3	18-Aug-21	SLSC	39	0.50	0.020	-24	6.3	
2021	18049	B3	18-Aug-21	SLSC	38.5	0.40	0.020	-23	6.1	
2021	18052	B3	18-Aug-21	SLSC	39.5	0.40	0.020	-23	6.2	
2021	18053	B3	18-Aug-21	SLSC	69	2.9	0.040	-23	6.7	
2021	18057	B3	18-Aug-21	SLSC	40	0.40	0.020	-21	5.7	
2021	18059	B3	18-Aug-21	SLSC	44.5	0.60	0.030	-23	6.4	
2021	18062	B3	18-Aug-21	SLSC	58.1	1.6	0.030	-21	6.3	
2021	18065	B3	18-Aug-21	SLSC	63.2	2.1	0.030	-23	7.1	
2021	18067	B3	18-Aug-21	NSSB	52.9	0.90	0.040	-28	8.7	
2021	18068	B3	18-Aug-21	NSSB	58.3	1.3	0.050	-28	8.9	
2021	18071	B3	18-Aug-21	NSSB	55.8	1.0	0.040	-28	8.3	
2021	18073	A44	18-Aug-21	SLSC	49.2	0.90	0.030	-21	6.4	
2021	18074	A44	18-Aug-21	SLSC	50.1	0.90	0.030	-20	6.1	
2021	18075	A44	18-Aug-21	SLSC	58.1	1.5	0.050	-24	6.8	
2021	18076	A44	18-Aug-21	NSSB	68.8	2.0	0.070	-28	8.6	
2021	18077	A44	18-Aug-21	NSSB	63.3	1.3	0.080	-29	9.2	
2021	18078	A44	18-Aug-21	NSSB	57.9	1.1	0.040	-26	8.0	
2021	18079	A44	18-Aug-21	NSSB	51.1	0.70	0.040	-27	8.6	
2023	SC-219	LK8	25-Aug-23	SLSC	-	-	0.026	-18	7.1	
2023	SC-223	LK8	25-Aug-23	SLSC	-	-	0.062	-25	7.1	
2023	SC-224	LK8	25-Aug-23	SLSC	-	-	0.031	-22	6.6	
2023	SC-226	LK8	25-Aug-23	SLSC	-	-	0.060	-24	6.7	
2023	SC-230	LK8	25-Aug-23	SLSC	-	-	0.057	-21	7.6	
2023	SC-235	LK8	25-Aug-23	SLSC	-	-	0.042	-23	6.4	
2023	SC-247	LK8	25-Aug-23	SLSC	-	-	0.031	-21	7.0	
2023	SC-250	LK8	25-Aug-23	SLSC	-	-	0.023	-18	6.9	
2023	SC-251	LK8	25-Aug-23	SLSC	-	-	0.040	-24	7.4	
2023	SC-252	LK8	25-Aug-23	SLSC	-	-	0.035	-20	6.9	
2023	SC-19	KAN	20-Aug-23	SLSC	40	0.4908	0.047	-18	9.3	
2023	SC-27	KAN	20-Aug-23	SLSC	40	0.4921	0.029	-19	8.6	
2023	SC-37	KAN	20-Aug-23	SLSC	39	0.4533	0.052	-22	9.2	
2023	SC-38	KAN	20-Aug-23	SLSC	39	0.4925	0.046	-19	10.4	
2023	SC-39	KAN	20-Aug-23	SLSC	38	0.447	0.063	-22	8.8	
2023	SC-40	KAN	20-Aug-23	SLSC	39	0.4552	0.075	-22	8.7	
2023	SC-41	KAN	20-Aug-23	SLSC	36	0.4284	0.055	-22	8.5	
2023	SC-43	KAN	20-Aug-23	SLSC	38	0.4259	0.067	-23	8.9	
2023	SC-49	KAN	20-Aug-23	SLSC	37	0.3883	0.048	-22	8.8	
2023	SC-54	KAN	20-Aug-23	SLSC	38	0.4282	0.050	-19	10.4	
2023	SC-55	WTS	20-Aug-23	SLSC	40	0.5763	0.53	-28	10.6	
2023	SC-57	WTS	20-Aug-23	SLSC	49	0.9535	0.55	-29	11.3	
2023	SC-58	WTS	20-Aug-23	SLSC	51	1.131	0.81	-28	9.9	

Table C1-1. Small-bodied fish samples collected for the Mercury Monitoring Program since 2018.

Notes:
NSSB = Ninespine Stickleback; SLSC = Slimy Sculpin
"-" = Not Reported.
[1] Kangislulik Lake (KAN) was previously referred to as Mammoth Lake (MAM).

Year	Sample ID	Area [1]	Date	Species	Total Length (mm)	Field Weight (g)	Total Hg in Fish Tissue (THg ppm ww)	Stable Isotopes		Notes
								C13	N15	
2023	SC-59	WTS	20-Aug-23	SLSC	48	0.9452	0.50	-29	10.4	
2023	SC-60	WTS	20-Aug-23	SLSC	42	0.4896	0.39	-27	10.9	
2023	SC-62	WTS	20-Aug-23	SLSC	40	0.5798	0.36	-28	11.6	
2023	SC-63	WTS	20-Aug-23	SLSC	47	0.8603	0.43	-28	11.6	
2023	SC-200	WTS	25-Aug-23	SLSC	37	0.3718	0.51	-28	12.5	
2023	SC-201	WTS	25-Aug-23	SLSC	41	0.5083	0.65	-29	13.2	
2023	SC-204	WTS	25-Aug-23	SLSC	28	0.2589	0.48	-29	13.5	
2023	SC-146	A20	23-Aug-23	SLSC	44	0.7607	0.17	-25	7.9	
2023	SC-147	A20	23-Aug-23	SLSC	42	0.6253	0.15	-25	8.6	
2023	SC-148	A20	23-Aug-23	SLSC	46	0.861	0.16	-25	8.6	
2023	SC-149	A20	23-Aug-23	SLSC	40	0.6077	0.14	-21	8.1	
2023	SC-151	A20	23-Aug-23	SLSC	41	0.5737	0.15	-27	8.4	
2023	SC-152	A20	23-Aug-23	SLSC	42	0.6802	0.25	-23	9.1	
2023	SC-153	A20	23-Aug-23	SLSC	38	0.4884	0.10	-23	8.8	
2023	SC-155	A20	23-Aug-23	SLSC	45	0.7672	0.078	-23	9.1	
2023	SC-156	A20	23-Aug-23	SLSC	39	0.6051	0.15	-24	8.6	
2023	NS-9	A20	23-Aug-23	NSSB	49	0.7053	0.24	-30	11.6	
2023	NS-10	A20	23-Aug-23	NSSB	42	0.4036	0.077	-26	9.0	
2023	NS-11	A20	23-Aug-23	NSSB	49	0.6849	0.13	-25	10.4	
2023	NS-12	A20	23-Aug-23	NSSB	39	0.2908	0.15	-23	9.6	
2023	NS-13	A20	23-Aug-23	NSSB	49	0.735	0.17	-30	10.1	
2023	NS-17	A20	23-Aug-23	NSSB	42	0.5209	0.085	-27	9.7	
2023	NS-43	WTS	25-Aug-23	NSSB	42	0.4559	0.23	-30	11.4	
2023	NS-45	WTS	25-Aug-23	NSSB	44	0.567	0.47	-28	11.6	
2023	NS-46	WTS	25-Aug-23	NSSB	34	0.2739	0.37	-26	10.9	
2023	NS-47	WTS	25-Aug-23	NSSB	45	0.6647	0.31	-30	10.9	
2023	NS-49	WTS	25-Aug-23	NSSB	49	0.716	0.22	-29	12.5	
2023	NS-51	WTS	25-Aug-23	NSSB	35	0.2773	0.28	-26	9.1	
2023	NS-52	WTS	25-Aug-23	NSSB	47	0.7564	0.34	-27	10.9	
2023	NS-55	WTS	25-Aug-23	NSSB	36	0.2866	0.35	-30	11.0	
2023	NS-57	WTS	26-Aug-23	NSSB	40	0.4504	0.30	-30	11.5	
2023	NS-58	WTS	26-Aug-23	NSSB	39	0.4173	0.28	-30	10.4	
2023	NS-61	WTS	26-Aug-23	NSSB	41	0.4228	0.30	-28	11.8	
2023	NS-62	WTS	26-Aug-23	NSSB	37	0.369	0.43	-29	12.1	
2023	NS-69	WTS	26-Aug-23	NSSB	49	0.8157	0.37	-27	11.4	
2023	NS-1	WTS	20-Aug-23	NSSB	43	0.4292	0.23	-30	11.8	
2023	NS-44	WTS	25-Aug-23	NSSB	37	0.325	0.38	-29	11.0	
2023	NS-48	WTS	25-Aug-23	NSSB	43	0.5696	0.57	-29	11.0	
2023	NS-53	WTS	25-Aug-23	NSSB	47	0.6705	0.35	-31	11.7	
2023	NS-54	WTS	25-Aug-23	NSSB	39	0.3894	0.40	-25	11.5	
2023	NS-59	WTS	26-Aug-23	NSSB	37	0.3535	0.27	-28	10.5	
2023	NS-60	WTS	26-Aug-23	NSSB	35	0.2748	0.26	-28	11.2	
2023	NS-64	WTS	26-Aug-23	NSSB	41	0.2419	0.28	-31	11.0	
2023	NS-72	WTS	26-Aug-23	NSSB	35	0.2789	0.33	-26	11.3	
2023	NS-63	WTS	26-Aug-23	NSSB	35	0.2495	0.17	-27	7.7	
2024	WTS-SLSC-1	WTS	17-Aug-24	SLSC	43	0.69	0.72	-23	12.0	
2024	WTS-SLSC-2	WTS	17-Aug-24	SLSC	42	0.64	0.75	-29	11.4	
2024	WTS-SLSC-3	WTS	17-Aug-24	SLSC	48	0.76	0.82	-28	11.5	
2024	WTS-SLSC-4	WTS	17-Aug-24	SLSC	40	0.48	0.71	-27	11.4	
2024	WTS-SLSC-5	WTS	17-Aug-24	SLSC	43	0.59	0.66	-27	11.0	
2024	WTS-SLSC-6	WTS	17-Aug-24	SLSC	45	0.73	1.3	-29	12.2	
2024	WTS-SLSC-7	WTS	17-Aug-24	SLSC	43	0.59	0.67	-30	11.2	
2024	WTS-SLSC-8	WTS	17-Aug-24	SLSC	45	0.64	0.40	-26	9.0	
2024	WTS-SLSC-9	WTS	17-Aug-24	SLSC	42	0.55	0.82	-28	11.9	
2024	WTS-SLSC-10	WTS	17-Aug-24	SLSC	45	0.72	0.40	-29	11.5	
2024	WTS-NSSB-1	WTS	17-Aug-24	NSSB	39	0.37	0.49	-28	11.7	Composite: WTS-NSSB-1, WTS-NSSB-4, WTS-NSSB-5
2024	WTS-NSSB-2	WTS	17-Aug-24	NSSB	38	0.35	0.41	-27	10.8	Composite: WTS-NSSB-2, WTS-NSSB-3
2024	WTS-NSSB-3	WTS	17-Aug-24	NSSB	30	0.18	0.41	-27	10.8	Composite: WTS-NSSB-2, WTS-NSSB-3
2024	WTS-NSSB-4	WTS	17-Aug-24	NSSB	32	0.21	0.49	-28	11.7	Composite: WTS-NSSB-1, WTS-NSSB-4, WTS-NSSB-5
2024	WTS-NSSB-5	WTS	17-Aug-24	NSSB	32	0.21	0.49	-28	11.7	Composite: WTS-NSSB-1, WTS-NSSB-4, WTS-NSSB-5
2024	WTS-NSSB-6	WTS	17-Aug-24	NSSB	46	0.55	0.34	-27	10.7	
2024	WTS-NSSB-7	WTS	17-Aug-24	NSSB	42	0.45	0.31	-27	12.3	Composite: WTS-NSSB-7, WTS-NSSB-8
2024	WTS-NSSB-8	WTS	17-Aug-24	NSSB	41	0.41	0.31	-27	12.3	Composite: WTS-NSSB-7, WTS-NSSB-8
2024	WTS-NSSB-9	WTS	17-Aug-24	NSSB	47	0.6	0.26	-30	11.8	
2024	WTS-NSSB-10	WTS	17-Aug-24	NSSB	45	0.52	0.19	-29	12.3	
2024	A20-SLSC-1	A20	17-Aug-24	SLSC	40	0.51	0.15	-22	9.3	Composite: A20-SLSC-1, A20-SLSC-7
2024	A20-SLSC-2	A20	17-Aug-24	SLSC	43	0.66	0.19	-19	8.9	
2024	A20-SLSC-3	A20	17-Aug-24	SLSC	42	0.57	0.17	-21	9.4	
2024	A20-SLSC-4	A20	17-Aug-24	SLSC	39	0.57	0.24	-23	9.3	
2024	A20-SLSC-5	A20	17-Aug-24	SLSC	40	0.5	0.16	-24	9.5	
2024	A20-SLSC-6	A20	17-Aug-24	SLSC	40	0.48	0.15	-21	9.9	
2024	A20-SLSC-7	A20	17-Aug-24	SLSC	40	0.52	0.15	-22	9.3	Composite: A20-SLSC-1, A20-SLSC-7
2024	A20-SLSC-8	A20	17-Aug-24	SLSC	45	0.67	0.27	-24	9.8	
2024	A20-SLSC-9	A20	17-Aug-24	SLSC	41	0.56	0.20	-22	9.7	Composite: A20-SLSC-9, A20-SLSC-10
2024	A20-SLSC-10	A20	17-Aug-24	SLSC	41	0.59	0.20	-22	9.7	Composite: A20-SLSC-9, A20-SLSC-10
2024	A20-NSSB-1	A20	17-Aug-24	NSSB	30	0.17	0.19	-24	10.1	Composite: A20-NSSB-1, A20-NSSB-2, A20-NSSB-3
2024	A20-NSSB-2	A20	17-Aug-24	NSSB	30	0.17	0.19	-24	10.1	Composite: A20-NSSB-1, A20-NSSB-2, A20-NSSB-3
2024	A20-NSSB-3	A20	17-Aug-24	NSSB	39	0.32	0.19	-24	10.1	Composite: A20-NSSB-1, A20-NSSB-2, A20-NSSB-3
2024	A20-NSSB-4	A20	17-Aug-24	NSSB	35	0.32	0.11	-23	10.3	Composite: A20-NSSB-4, A20-NSSB-5
2024	A20-NSSB-5	A20	17-Aug-24	NSSB	36	0.32	0.11	-23	10.3	Composite: A20-NSSB-4, A20-NSSB-5
2024	A20-NSSB-6	A20	17-Aug-24	NSSB	41	0.39	0.32	-24	11.0	Composite: A20-NSSB-6, A20-NSSB-10
2024	A20-NSSB-7	A20	17-Aug-24	NSSB	46	0.54	0.17	-26	10.3	
2024	A20-NSSB-8	A20	17-Aug-24	NSSB	43	0.48	0.14	-24	9.9	

Table C1-1. Small-bodied fish samples collected for the Mercury Monitoring Program since 2018.

Notes:

NSSB = Ninespine Stickleback; SLSC = Slimy Sculpin

"-" = Not Reported.

[1] Kangislulik Lake (KAN) was previously referred to as Mammoth Lake (MAM).

Year	Sample ID	Area [1]	Date	Species	Total Length (mm)	Field Weight (g)	Total Hg in Fish Tissue (THg ppm ww)	Stable Isotopes		Notes
								C13	N15	
2024	A20-NSSB-9	A20	17-Aug-24	NSSB	40	0.38	0.16	-28	9.1	
2024	A20-NSSB-10	A20	17-Aug-24	NSSB	40	0.34	0.32	-24	11.0	Composite: A20-NSSB-6, A20-NSSB-10

APPENDIX C2

LARGE-BODIED FISH MERCURY DATABASE

LAKE TROUT SAMPLING PROGRAM OVERVIEW

Fish tissue data have been collected in Whale Tail area lakes under various programs dating back to baseline sampling in 2015. Methods for each sampling event are outlined below.

- **2015 Whale Tail and Kangislulik Lake Sampling.** Lake Trout were captured in Whale Tail Lake and Kangislulik Lake for collection of muscle tissue for baseline mercury and metals analysis. Fish sampling was conducted by C. Portt and Associates. Fish were captured using gill nets and samples of skinless, boneless dorsal muscle were collected in the field using a standard filleting knife. Samples were placed in labelled Whirl-Pak® bags, frozen, and transported to Guelph, Ontario, where they were stored frozen prior to shipping to ALS Laboratories in Burnaby, BC (C. Portt and Associates 2018).
- **2018 Fish-out of the North Basin of Whale Tail Lake.** The fish-out was conducted by North/South Consultants (Winnipeg, MB). Results of the fish-out were submitted to the *Department of Fisheries and Oceans* in accordance with project requirements. Fish were captured using gill nets and filleted in the field. Tissue samples were placed in labelled Whirl-Pak® bags, frozen, and shipped to University of Waterloo. All fish tissue samples collected by North/South had skin and muscle tissue taken from the caudal peduncle.
- The fish tissue sample sizes varied between samples; to maximize the preservation of baseline samples, University of Waterloo selected 20 of the largest tissue samples from each species (Round Whitefish, Arctic Char and Lake Trout) collected during the fish-out.
- **2018 Lake 8 Reference.** In 2018, University of Waterloo researchers collected eight Lake Trout tissue samples from Reference Lake 8. Fish were captured using gill nets and filleted in the field. Tissue samples were collected following *Swanson Lab SOP – Fish sampling for chemical parameters*; tissue samples were taken from the muscle located above the lateral line and anterior to the dorsal fin. Tissue samples were placed in labelled Whirl-Pak® bags, frozen, and shipped to University of Waterloo. These eight samples serve as reference/control data for this work and future productivity studies.
- **2020 EEM and supplementary sampling.** As part of the 2020 Cycle 1 EEM study implemented by C. Portt and Associates, Lake Trout were collected from Kangislulik Lake, Lake 8, and Lake D1. Additional fish were collected from Whale Tail Lake and Lake DS1 for the MMP. Fish were captured using gill nets and filleted in the field. Boneless, skinless dorsal muscle was taken from anterior to the dorsal fin. Tissue samples were placed in labelled Whirl-Pak® bags, frozen, and transported to the University of Waterloo.

- **2023 EEM and supplementary sampling.** As part of the 2023 Cycle 2 EEM study implemented by C. Portt and Associates, Lake Trout were captured from Kangislulik Lake, Lake 8, and Lake D1. Additional fish were collected from Whale Tail Lake for the MMP. A select number of fish of similar size classes as previous years were retained for mercury analysis in muscle tissue. Fish were captured using gill nets and filleted in the field. Boneless, skinless dorsal muscle was taken from anterior to the dorsal fin. Tissue samples were placed in labelled Whirl-Pak® bags, frozen, and transported to the University of Waterloo.
- **2024 supplementary sampling.** Due to the significant increase in concentrations of mercury in 550-mm Lake Trout from 2020 to 2023, Lake Trout were collected from Whale Tail Lake to review concentrations of mercury in 2024. Lake Trout were captured using gill nets or angling and biopsy samples or fillets were collected in the field. Biopsy samples were collected using a biopsy punch, while for incidental mortalities, boneless, skinless dorsal muscle was taken from anterior to the dorsal fin using a standard filet knife. Tissue samples were placed in labelled Whirl-Pak® bags, frozen, and transported to the University of Waterloo.

Table C2-1. Large-bodied fish samples collected for the Mercury Monitoring Program since 2015.

Notes:

[1] Kangislulik Lake (KAN) was previously referred to as Mammoth Lake (MAM).
[2] M = Mature; I = Immature; U = Unknown.
DELTs = Deformities, erosion, lesions, or tumours.
NA = No data
U = Unknown

Fish ID	Year	Date	Area [1]	Capture Method Effort	Species	Fork Length (mm)	Weight (g)	Liver Weight (g)	Gonad weight (g)	Sex	Maturity [2]	Egg Sample Weight (g)	Egg Count	Age (years)	Total Mercury in fish tissue				Stable Isotopes		Condition (K)	Stomach Contents	DELTs	Comment
															Sample Weight (g)	THg in Sample (ng)	THg (ppm)	THg (ppm ww)	C13	N15				
46	2015	NA	Whale Tail	NA	Lake Trout	568	1830	NA	NA	F	M	NA	NA	28	NA	NA	NA	0.59	NA	NA	1.00	NA	none	NA
47	2015	NA	Whale Tail	NA	Lake Trout	661	3110	NA	NA	M	M	NA	NA	24	NA	NA	NA	0.83	NA	NA	1.1	NA	none	NA
48	2015	NA	Whale Tail	NA	Lake Trout	581	2210	NA	NA	F	M	NA	NA	27	NA	NA	NA	0.86	NA	NA	1.1	NA	none	NA
49	2015	NA	Whale Tail	NA	Lake Trout	608	2230	NA	NA	F	M	NA	NA	26	NA	NA	NA	0.97	NA	NA	0.99	NA	none	NA
50	2015	NA	Whale Tail	NA	Lake Trout	481	1090	NA	NA	M	I	NA	NA	25	NA	NA	NA	0.47	NA	NA	0.98	NA	none	NA
52	2015	NA	Whale Tail	NA	Lake Trout	445	1130	NA	NA	M	M	NA	NA	15	NA	NA	NA	0.14	NA	NA	1.3	NA	none	NA
53	2015	NA	Whale Tail	NA	Lake Trout	472	970	NA	NA	M	I	NA	NA	18	NA	NA	NA	0.37	NA	NA	0.92	NA	none	NA
56	2015	NA	Whale Tail	NA	Lake Trout	407	775	NA	NA	M	M	NA	NA	23	NA	NA	NA	0.33	NA	NA	1.2	NA	none	NA
57	2015	NA	Whale Tail	NA	Lake Trout	388	607	NA	NA	M	M	NA	NA	13	NA	NA	NA	0.28	NA	NA	1.0	NA	none	NA
58	2015	NA	Whale Tail	NA	Lake Trout	469	987	NA	NA	M	I	NA	NA	18	NA	NA	NA	0.37	NA	NA	0.96	NA	none	NA
59	2015	NA	Whale Tail	NA	Lake Trout	380	655	NA	NA	M	M	NA	NA	12	NA	NA	NA	0.18	NA	NA	1.2	NA	none	NA
60	2015	NA	Whale Tail	NA	Lake Trout	430	687	NA	NA	F	M	NA	NA	13	NA	NA	NA	0.45	NA	NA	0.86	NA	none	NA
61	2015	NA	Whale Tail	NA	Lake Trout	860	7320	NA	NA	M	M	NA	NA	44	NA	NA	NA	2.2	NA	NA	1.2	NA	none	NA
62	2015	NA	Whale Tail	NA	Lake Trout	585	2110	NA	NA	M	M	NA	NA	26	NA	NA	NA	0.80	NA	NA	1.1	NA	none	NA
63	2015	NA	Whale Tail	NA	Lake Trout	475	1020	NA	NA	M	M	NA	NA	25	NA	NA	NA	0.49	NA	NA	0.95	NA	none	NA
64	2015	NA	Whale Tail	NA	Lake Trout	410	745	NA	NA	F	M	NA	NA	25	NA	NA	NA	0.29	NA	NA	1.1	NA	none	NA
65	2015	NA	Whale Tail	NA	Lake Trout	423	693	NA	NA	F	M	NA	NA	14	NA	NA	NA	0.31	NA	NA	0.92	NA	none	NA
66	2015	NA	Whale Tail	NA	Lake Trout	335	427	NA	NA	M	I	NA	NA	12	NA	NA	NA	0.14	NA	NA	1.1	NA	none	NA
68	2015	NA	Whale Tail	NA	Lake Trout	319	348	NA	NA	M	I	NA	NA	9	NA	NA	NA	0.16	NA	NA	1.1	NA	none	NA
69	2015	NA	Whale Tail	NA	Lake Trout	159	37.4	NA	NA	U	I	NA	NA	na	NA	NA	NA	0.077	NA	NA	0.93	NA	none	NA
70	2015	NA	Whale Tail	NA	Lake Trout	390	672	NA	NA	F	R	NA	NA	19	NA	NA	NA	0.32	NA	NA	1.1	NA	none	NA
97	2015	NA	Kangislulik	NA	Lake Trout	370	510	NA	NA	F	M	NA	NA	13	NA	NA	NA	0.23	NA	NA	1.0	NA	none	NA
98	2015	NA	Kangislulik	NA	Lake Trout	369	501	NA	NA	F	M	NA	NA	13	NA	NA	NA	0.16	NA	NA	1.00	NA	none	NA
99	2015	NA	Kangislulik	NA	Lake Trout	373	550	NA	NA	F	M	NA	NA	11	NA	NA	NA	0.16	NA	NA	1.1	NA	none	NA
100	2015	NA	Kangislulik	NA	Lake Trout	363	542	NA	NA	M	M	NA	NA	na	NA	NA	NA	0.13	NA	NA	1.1	NA	none	NA
101	2015	NA	Kangislulik	NA	Lake Trout	343	460	NA	NA	F	M	NA	NA	9	NA	NA	NA	0.14	NA	NA	1.1	NA	none	NA
102	2015	NA	Kangislulik	NA	Lake Trout	353	433	NA	NA	F	M	NA	NA	10	NA	NA	NA	0.14	NA	NA	0.98	NA	none	NA
103	2015	NA	Kangislulik	NA	Lake Trout	373	474	NA	NA	F	M	NA	NA	16	NA	NA	NA	0.18	NA	NA	0.91	NA	none	NA
105	2015	NA	Kangislulik	NA	Lake Trout	385	612	NA	NA	F	M	NA	NA	11	NA	NA	NA	0.17	NA	NA	1.1	NA	none	NA
106	2015	NA	Kangislulik	NA	Lake Trout	395	692	NA	NA	F	M	NA	NA	12	NA	NA	NA	0.27	NA	NA	1.1	NA	none	NA
108	2015	NA	Kangislulik	NA	Lake Trout	351	474	NA	NA	M	M	NA	NA	na	NA	NA	NA	0.12	NA	NA	1.1	NA	none	NA
110	2015	NA	Kangislulik	NA	Lake Trout	346	478	NA	NA	F	M	NA	NA	10	NA	NA	NA	0.16	NA	NA	1.2	NA	none	NA
111	2015	NA	Kangislulik	NA	Lake Trout	365	504	NA	NA	M	M	NA	NA	12	NA	NA	NA	0.19	NA	NA	1.0	NA	none	NA
112	2015	NA	Kangislulik	NA	Lake Trout	365	504	NA	NA	F	M	NA	NA	13	NA	NA	NA	0.18	NA	NA	1.0	NA	none	NA
114	2015	NA	Kangislulik	NA	Lake Trout	590	2110	NA	NA	M	M	NA	NA	24	NA	NA	NA	0.58	NA	NA	1.0	NA	none	NA
115	2015	NA	Kangislulik	NA	Lake Trout	369	511	NA	NA	M	M	NA	NA	12	NA	NA	NA	0.13	NA	NA	1.0	NA	none	NA
116	2015	NA	Kangislulik	NA	Lake Trout	354	472	NA	NA	M	M	NA	NA	13	NA	NA	NA	0.19	NA	NA	1.1	NA	none	NA
117	2015	NA	Kangislulik	NA	Lake Trout	366	534	NA	NA	M	I	NA	NA	13	NA	NA	NA	0.22	NA	NA	1.1	NA	none	NA
118	2015	NA	Kangislulik	NA	Lake Trout	316	319	NA	NA	M	I	NA	NA	10	NA	NA	NA	0.22	NA	NA	1.0	NA	none	NA
119	2015	NA	Kangislulik	NA	Lake Trout	290	269	NA	NA	M	I	NA	NA	8	NA	NA	NA	0.13	NA	NA	1.1	NA	none	NA
120	2015	NA	Kangislulik	NA	Lake Trout	290	287	NA	NA	F	I	NA	NA	8	NA	NA	NA	0.12	NA	NA	1.2	NA	none	NA
121	2015	NA	Kangislulik	NA	Lake Trout	285	239	NA	NA	U	I	NA	NA	8	NA	NA	NA	0.14	NA	NA	1.0	NA	none	NA
122	2015	NA	Kangislulik	NA	Lake Trout	254	181	NA	NA	U	I	NA	NA	6	NA	NA	NA	0.078	NA	NA	1.1	NA	none	NA
123	2015	NA	Kangislulik	NA	Lake Trout	215	96.2	NA	NA	U	I	NA	NA	5	NA	NA	NA	0.075	NA	NA	0.97	NA	none	NA
124	2015	NA	Kangislulik	NA	Lake Trout	700	4670	NA	NA	F	M	NA	NA	37	NA	NA	NA	1.1	NA	NA	1.4	NA	none	NA
126	2015	NA	Kangislulik	NA	Lake Trout	218	111	NA	NA	U	I	NA	NA	5	NA	NA	NA	0.072	NA	NA	1.1	NA	none	NA
14241	2018	22-Aug-18	Lake 8	NA	Lake Trout	375	596	NA	NA	F	I	NA	NA	NA	0.022	13	0.61	0.14	NA	NA	1.1	zooplankton	NA	NA
14242	2018	22-Aug-18	Lake 8	NA	Lake Trout	583	1980	NA	NA	M	U	NA	NA	NA	0.020	72	3.7	0.81	NA	NA	1.00	empty	NA	NA
14243	2018	22-Aug-18	Lake 8	NA	Lake Trout	491	1170	NA	NA	F	U	NA	NA	NA	0.021	22	1.0	0.23	NA	NA	0.99	zooplankton	NA	NA
14244	2018	22-Aug-18	Lake 8	NA	Lake Trout	490	1320	NA	NA	M	M	NA	NA	NA	0.023	53	2.3	0.52	NA	NA	1.1	zooplankton	NA	NA
14245	2018	22-Aug-18	Lake 8	NA	Lake Trout	480	1210	NA	NA	F	M	NA	NA	NA	0.021	32	1.5	0.33	NA	NA	1.1	zooplankton	NA	NA
14246	2018	22-Aug-18	Lake 8	NA	Lake Trout	582	1410	NA	NA	F	U	NA	NA	NA	0.019	102	5.3	1.2	NA	NA	0.72	empty	NA	NA
14247	2018	22-Aug-18	Lake 8	NA	Lake Trout	204	83.3	NA	NA	M	I	NA	NA	NA	0.022	8.6	0.38	0.084	NA	NA	0.98	zooplankton	NA	NA
14248	2018	22-Aug-18	Lake 8	NA	Lake Trout	246	134.7	NA	NA	M	I	NA	NA	NA	0.019	14	0.74	0.16	NA	NA	0.91	empty	NA	NA
1000-13	2018	10-Aug-18	Whale Tail	NA	Lake Trout	390	600	3.9	NA	M	I	NA	NA	NA	0.021	36	1.8	0.39	NA	NA	1.0	0	NA	NA
1002-10	2018	10-Aug-18	Whale Tail	NA	Lake Trout	490	1350	22.4	14.3	F	M	NA	NA	NA	0.023	27	1.2	0.25	NA	NA	1.1	bivalves	NA	NA
1003-2	2018	11-Aug-18	Whale Tail	NA	Lake Trout	395	600	6	3.4	F	M	NA	NA	NA	0.022	34	1.6	0.34	NA	NA	0.97	0	NA	NA
1005-9	2018	11-Aug-18	Whale Tail	NA	Lake Trout	304	300	2.6	0.2	F	I	NA	NA	NA	0.021	26	1.2	0.27	NA	NA	1.1	0	NA	NA
1009a-1	2018	14-Aug-18	Whale Tail	NA	Lake Trout	570	1900	26.9	NA	M	M	NA	NA	NA	0.022	49	2.3	0.50	NA	NA	1.0	0	NA	NA
500a-18	2018	13-Aug-18	Whale Tail	NA	Lake Trout	225	150	1.5	NA	M	I	NA	NA	NA	0.020	6.2	0.32	0.070	NA	NA	1.3	inverts	NA	NA
500a-7	2018	13-Aug-18	Whale Tail	NA	Lake Trout	260	200	2.2	NA	M	I	NA	NA	NA	0.020	10	0.51	0.11	NA	NA	1.1	inverts	NA	NA
500b-27	2018	13-Aug-18	Whale Tail	NA	Lake Trout	375	600	5.7	4.9	F	M	NA	NA	NA	0.023	24	1.1	0.23	NA	NA	1.1	inverts	NA	NA
500b-3	2018	13-Aug-18	Whale Tail	NA	Lake Trout	295	300	3.3	NA	F	I	NA	NA	NA	0.022	14	0.64	0.14	NA	NA	1.2	inverts	NA	NA
501a-12	2018	13-Aug-18	Whale Tail	NA	Lake Trout	272	250	2.8	NA	M	I	NA	NA	NA	0.022	19	0.89	0.20	NA	NA	1.2	inverts	NA	NA
501a-19	2018	13-Aug-18	Whale Tail	NA	Lake Trout	390	825	4.7	NA	M	M	NA	NA	NA	0.020	29	1.4	0.32	NA	NA	1.4	inverts	NA	NA
501b-15	2018	13-Aug-18	Whale Tail	NA	Lake Trout	312	375	3.8	2.6	F	M	NA	NA	NA	0.021	19	0.92	0.20	NA	NA	1.2	inverts	NA	NA
502a-11	2018	13-Aug-18	Whale Tail	NA	Lake Trout	403	800	8.6	NA	M	M	NA	NA	NA	0.022	15	0.68	0.15	NA	NA	1.2	mollusks	NA	NA
502b-5	2018	13-Aug-18	Whale Tail	NA	Lake Trout	300	250	3.4	NA	F	I	NA	NA	NA	0.026	28	1.1	0.24	NA	NA	0.93	unidentified fish	NA	NA
531b-2	2018	20-Aug-18	Whale Tail	NA	Lake Trout	836	5600	NA	NA	F	M	NA	NA	NA	0.018	281	16	3.4	NA	NA	0.96	NA	NA	NA
LT-1	2020	19-Aug-20	Kangislulik	1.1	Lake Trout	855	6750	51.47	101.49	F	M	NA	NA	42	0.0077	73	9.4	2.1	-21.61000	13	1.1	NA	NA	NA
LT-2	2020	19-Aug-20	Kangislulik	1.1	Lake Trout	705	4110	56.2	413	F	M	57.26	NA	40	0.0064	29	4.5	1.00	-20.99000	12	1.2	NA	NA	NA
LT-3	2020	19-Aug-20	Kangislulik	1.1	Lake Trout	661	3447	22.34	81.75	M	M	NA	NA	30	0.0051	20	3.9	0.87	-20.27000	12	1.2	NA	NA	NA
LT-4	2020	19-Aug-20	Kangislulik	1.1	Lake Trout	807	6570	62.84	220	M	M	NA	NA	33	0.0056	41	7.4	1.6	-21.98000	13	1.3	Lake Trout, 410 mm	NA	NA
LT-5	2020	19-Aug-20	Kangislulik	1.1	Lake Trout	811	6040	49.16	157.52	F	M	NA	NA	37	0.0057	52	9.1	2.0	-22.53000	13	1.1	NA	NA	NA
LT-6	2020	19-Aug-20	Kangislulik	1.1	Lake Trout	494	1219	8.88	1.42	M	I	NA	NA	22	0.0039	4.0	1.0	0.23	-21.22000	11	1.0	NA	NA	NA
LT-7	2020	19-Aug-20	Kangislulik	1.1	Lake Trout	374	627	4.08	22.68	M	M	NA	NA	21	0.0057	5.3	0.94	0.21	-24.27000	9.4	1.2	NA	NA	NA
LT-8	2020	19-Aug-20	Kangislulik	1.1	Lake Trout	341	543	5.45	17.53	M	M	NA	NA	12	0.0053	2.6	0.49	0.11	-24.02000	9.4	1.4	NA	NA	NA
LT-9	2020	19-Aug-20	Kangislulik	1.1	Lake Trout	465	1116	8.93	0.79	F	I	NA	NA	21	0.0053	9.1	1.7	0.38	-20.43000	12	1.1	NA	NA	NA
LT-10	2020	19-Aug-20	Kangislulik	1.1	Lake Trout	356	588	8.53	59.79	F	M	59.79	NA	14	0.0070	3.9	0.55	0.12	-23.66000	9.3	1.3	NA	14 encysted parasites on stomach	NA
LT-11	2020	19-Aug-20	Kangislulik	1.1	Lake Trout	270	226	2.91	0.12	F	I	NA	NA	12	0.0049	2.3	0.48	0.11	-24.39000	9.2	1.1	NA	NA	NA
LT-12	2020	19-Aug-20	Kangislulik	1.1	Lake Trout	265	197	1.83	0.1	F	I	NA	NA	8	0.0042	2.5	0.60	0.13	-20.32000	11	1.1	NA	NA	NA
LT-13	2020	19-Aug-20	Kangislulik	1.1	Lake Trout	266	230	2.66	0.11	F	I	NA	NA	8	0.0052	1.4	0.26	0.058	-25.89000	8.7	1.2	NA	NA	NA
LT-14	2020	19-Aug-20	Kangislulik	1.1	Lake Trout	502	1290	11.89	9.08	F	I	NA	NA	26	0.0041	8.7	2.1	0.47	-20.51000	11	1.0	NA	NA	NA
LT-15	2020	19-Aug-20	Kangislulik	1.1	Lake Trout	382	648	4.15	7.02	F	I	NA	NA	19	0.0041	4.0	0.97	0.21	-24.55000	10	1.2	NA	NA	NA
LT-16	2020	19-Aug-20	Kangislulik	1.1	Lake Trout	304	355	3.63	0.16	F	I	NA	NA	7	0.0052	2.5	0.48	0.11	-26.16000	10	1.3	NA	NA	NA
LT-17	2020	19-Aug-20	Kangislulik	1.1	Lake Trout	270	246	2.72	0.38	F	I	NA	NA	7	0.0042	1.8	0.43	0.094	-27.14000	8.9	1.3	NA	23 encysted parasites on stomach	NA
LT-18	2020	19-Aug-20	Kangislulik	1.1	Lake Trout	232	141	1.47	0.03	U	I	NA	NA	6	0.0043	1.9	0.43	0.095	-21.99000	8.5	1.1	NA	NA	NA
LT-19	2020	19-Aug-20	Kangislulik	1.1	Lake Trout	217	119.6	1.06	-	U	I	NA	NA	5	0.0044	2.4	0.55	0.12	-20.24000	11	1.2	NA	NA	NA
LT-20	2020	19-Aug-20	Kangislulik	1.1	Lake Trout	176	64.4	0.56	-	U	I	NA	NA	3	0.0049	1.3	0.26	0.058	-24.16000	9.0	1.2	NA	NA	NA
LT-80	2020	25-Aug-20	Kangislulik	1.2	Lake Trout	678	3919	58.17	454	F	M	32.25	371	34	0.0037	21	5.7	1.2	-21.54000	12	1.3	2 fish and invertebrates	Photo taken mistakenly says LT-83	NA
LT-81	2020	25-Aug-20	Kangislulik	1.2	Lake Trout	600	2468	30.29	1.91	F	I	NA	NA	25	0.0050	13	2.5	0.55	-19.99000	12	1.1	NA	NA	NA
LT-82	2020	25-Aug-20	Kangislulik	1.2	Lake Trout	696	3832	31.76	58.84	F	M	NA	NA	40	0.0032	18	5.5	1.2	-20.54000	12	1.1	NA	2 encysted parasites	NA
LT-83	2020	25-Aug-20	Kangislulik	1.2	Lake Trout	708	5699	67.46	51.78	F	M	NA	NA	40	0.0035	16	4.5	0.99	-20.32000	12	1.6	3 whitefish with combined weight of 1011 g	NA	NA
LT-84	2020	26-Aug-20	Kangislulik	1.4	Lake Trout	408	635	5.43	0.74	F	I	NA	NA	14	0.0044	6.1	1.4	0.31	-19.43000	11	0.94	Invertebrates	NA	NA
LT-114	2020	28-Aug-20	Whale Tail	1.2	Lake Trout	238	156.36	1.37	0.04	U	I	NA	NA	5	0.0067	8.0	1.2	0.26	-23.17000	11	1.2	Sculpin, 53 mm	14 encysted parasites on stomach	NA
LT-85	2020	28-Aug-20	Whale Tail	1.1	Lake Trout	255	189.75	1.79	0.16	F	I	NA	NA	6	0.0093	13	1.4	0.32	-26.47000	10	1.1	NA	8 encysted parasites	NA
LT-88	2020	28-Aug-20	Whale Tail	1.1	Lake Trout	265	231	2.17	0.38	F	I	NA	NA	6	0.0079	12	1.5	0.32	-26.71000	11	1.2	NA	NA	NA
LT-89	2020	28-Aug-20	Whale Tail	1.1	Lake Trout	353	606	5.98	0.27	U	I	NA	NA	9	0.0088	16	1.8	0.40	-28.67000	9.5	1.4	NA	NA	Fat around stomach
LT-90	2020	28-Aug-20	Whale Tail	1.1	Lake Trout	357	649	7.52	0.42	M	I	NA	NA	10	0.0095	17	1.8	0.41	-28.35000	10	1.4	NA	15 encysted parasites	Fat around intestines
LT-102	2020	28-Aug-20	Whale Tail	1.2	Lake Trout	373	704	6.6	1.53	F	I	NA	NA	9	0.0058	8.7	1.5	0.33	-28.65000	10	1.4	NA	NA	NA
LT-117	2020	28-Aug-20	Whale Tail	1.2	Lake Trout	376	776	10.98	92.78	F	M	36.88	393	14	0.0045	7.1	1.6	0.35	-27.28000	9.8	1.5	NA	NA	NA
LT-91	2020	28-Aug-20	Whale Tail	1.1	Lake Trout	382	771	5.06	31.21	M	M	NA	NA	15	0.0099	16	1.6	0.36	-27.88000	9.3	1.4	NA	18 encysted parasites	NA
LT-107	2020	28-Aug-20	Whale Tail	1.2	Lake Trout	388	958	11.41	122.59	F	M	43.73	421	14	0.0056	9.3	1.7	0.36	-27.95000	9.8	1.6	NA	NA	NA
LT-99	2020	28-Aug-20	Whale Tail	1.1	Lake Trout	396	850	9.24	28.15	M	M	NA	NA	15	0.0063	7.4	1.2	0.26	-27.15000	9.6	1.4	NA	12 encysted parasites	NA
LT-97	2020	28-Aug-20	Whale Tail	1.1	Lake Trout	398	795	6.65	23.34	M	M	NA	NA	14	0.0048	6.8	1.4	0.31	-30.55000	9.6	1.3	NA	NA	NA
LT-100	2020	28-Aug-20	Whale Tail	1.1	Lake Trout	401	813	7.45	26.34	M	M	NA	NA	21	0.0052	8.9	1.7	0.38	-28.74000	9.3	1.3	NA	NA	NA
LT-95	2020	28-Aug-20	Whale Tail	1.1	Lake Trout	406	934	19.57	114.83	F	M	37.81	380	16	0.010	21	2.0	0.45	-27.22000	9.9	1.4	NA	2 encysted parasites	NA
LT-103	2020	28-Aug-20	Whale Tail	1.2	Lake Trout	411	821	7.91	0.68	M	I	NA	NA	14	0.0070	10	1.4	0.32	-23.74000	11	1.2	NA	NA	NA
LT-94	2020	28-Aug-20	Whale Tail	1.1	Lake Trout	420	983	14.36	119.31	F	M	33.84	311	21	0.0092	16	1.7	0.38	-27.51000	9.2	1.3	Zooplankton	NA	NA
LT-96	2020	28-Aug-20	Whale Tail	1.1	Lake Trout	443	1195	14.82	197.8	F	M	33.44	300	18	0.0097	14	1.5	0.33	-27.36000	8.9	1.4	NA	NA	NA
LT-109	2020	28-Aug-20	Whale Tail	1.2	Lake Trout	449	1202	13.09	32.25	M	M	NA	NA	26	0.0063	9.1	1.4	0.32	-27.58000	9.3	1.3	Fingernail clams	NA	NA
LT-104	2020	28-Aug-20	Whale Tail	1.2	Lake Trout	456	1142	20.64	2.75	F	I	NA	NA	11	0.0057	10	1.8	0.39	-23.22000	12	1.2	NA	7 encysted parasites	NA
LT-113	2020	28-Aug-20	Whale Tail	1.2	Lake Trout	505	1232	10.17	8.64	F	I	NA	NA	17	0.0069	14	2.0	0.45	-22.38000	12	0.96	NA	NA	NA
LT-116	2020	28-Aug-20	Whale Tail	1.2	Lake Trout	511	1359	13.89	1.67	M	I	NA	NA	17	0.0079	16	2.0	0.44	-21.91000	12	1.0	NA	NA	NA
LT-110	2020	28-Aug-20	Whale Tail	1.2	Lake Trout	534	1611	10.5	2.01	M	I	NA	NA	27	0.0086	23	2.7	0.59	-21.55000	12	1.1	NA	7 encysted parasites	NA
LT-112	2020	28-Aug-20	Whale Tail	1.2	Lake Trout	562	1882	15.08	17.5	F	M	NA	NA	22	0.0076	16	2.1	0.46	-21.78000	12	1.1	NA	NA	NA
LT-118	2020	28-Aug-20	Whale Tail	1.2	Lake Trout	604	2363	27.73	4.5	M	M	NA	NA	27	0.0065	13	2.0	0.44	-22.66000	11	1.1	Invertebrates	NA	NA
LT-93	2020	28-Aug-20	Whale Tail	1.1	Lake Trout	623	2648	16.14	70.1	M	M	NA	NA	25	0.0095	36	3.7	0.82	-23.77000	12	1.1	NA	1 encysted parasite	NA
LT-92	2020	28-Aug-20	Whale Tail	1.1	Lake Trout	641	2909	24.59	20.78	F	M	NA	NA	31	0.0072	23	3.2	0.72	-23.29000	12	1.1	Whitefish, 370g	NA	NA
LT-101	2020	28-Aug-20	Whale Tail	1.1	Lake Trout	642	3205	35.91	82.42	M	M	NA	NA	40	0.0069	39	5.7	1.3	-22.49000	12	1.2	NA	15 encysted parasites	NA
LT-115	2020	28-Aug-20	Whale Tail	1.2	Lake Trout	695	4096	36.63	98.1	M	M	NA	NA	36	0.0070	43	6.1	1.3	-22.27000	12	1.2	NA	encysted tapeworm in liver	NA
LT-106	2020	28-Aug-20	Whale Tail	1.2	Lake Trout	743	4304	46.52	59.88	F	M	NA	NA	44	0.0052	43	8.3	1.8	-20.72000	13	1.0	Fish remains	NA	Previous spawn eggs present in body cavity
LT-119	2020	28-Aug-20	Whale Tail	1.2	Lake Trout	801	6040	64.09	214	M	M	NA	NA	37	0.0076	41	5.5	1.2	-24.15000	12	1.2	NA	NA	NA
LT-98	2020	28-Aug-20	Whale Tail	1.1	Lake Trout	866	7410	48.35	220	M	M	NA	NA	38	0.0051	54	11	2.3	-23.84000	13	1.1	NA	NA	Operculum frozen
LT-79	2020	24-Aug-20	Lake 8	1.2	Lake Trout	150	32.97	0.3	-	U	I	NA	NA	5	0.0034	1.3	0.38	0.083	-22.24000	9.4	0.98	NA	NA	NA
LT-78	2020	24-Aug-20	Lake 8	1.2	Lake Trout	193	70.81	0.73	-	U	I	NA	NA	6	0.0035	1.1	0.33	0.072	-20.39000	8.8	0.99	Invertebrates	11 encysted parasites	NA
LT-68	2020	24-Aug-20	Lake 8	1.1	Lake Trout	204	96.33	1.06	0.02	U	I	NA	NA	6	0.0043	2.0	0.47	0.10	-19.94000	9.6	1.1	4 sculpin	NA	NA
LT-69	2020	24-Aug-20	Lake 8	1.1	Lake Trout	212	89.56	0.92	-	U	I	NA	NA	4	0.0050	3.4	0.69	0.15	-25.63000	11	0.94	1 sculpin, 39 mm	NA	NA
LT-67	2020	24-Aug-20	Lake 8	1.1	Lake Trout	257	173.49	1.47	0.11	U	I	NA	NA	8	0.0044	3.4	0.77	0.17	-24.76000	9.5	1.0	NA	1 encysted parasite	NA
LT-64	2020	24-Aug-20	Lake 8	1.1	Lake Trout	286	236	1.73	0.41	F	I	NA	NA	8	0.0033	2.9	0.89	0.20	-26.09000	10	1.0	NA	NA	NA
LT-65	2020	24-Aug-20	Lake 8	1.1	Lake Trout	289	246	2.59	0.48	F	I	NA	NA	9	0.0054	3.2	0.60	0.13	-20.67000	11	1.0	NA	NA	NA
LT-66	2020	24-Aug-20	Lake 8	1.1	Lake Trout	296	260	1.98	0.44	F	I	NA	NA	8	0.0034	2.4	0.69	0.15	-24.50000	9.3	1.0	NA	NA	NA
LT-76	2020	24-Aug-20	Lake 8	1.2	Lake Trout	343	383	3.77	0.6	F	I	NA	NA	10	0.0060	5.0	0.83	0.18	-25.93000	10	0.95	NA	NA	NA
LT-52	2020	24-Aug-20	Lake 8	1.1	Lake Trout	359	505	2.89	0.25	U	I	NA	NA	11	0.0046	2.5	0.55	0.12	-19.93000	9.4	1.1	NA	NA	NA
LT-77	2020	24-Aug-20	Lake 8	1.2	Lake Trout	364	523	3.9	0.2	U	I	NA	NA	10	0.0060	4.4	0.73	0.16	-24.15000	9.9	1.1	Dipteran	NA	NA
LT-63	2020	24-Aug-20	Lake 8	1.1	Lake Trout	370	519	4.31	1.52	F	I	NA	NA	9	0.0051	3.1	0.62	0.14	-24.09000	9.3	1.0	Inverterates and fish	NA	NA
LT-50	2020	24-Aug-20	Lake 8	1.1	Lake Trout	430	988	8.83	21.84	M	M	NA	NA	14	0.0043	4.2	0.97	0.21	-24.04000	9.9	1.2	Invertebrates - full	NA	NA
LT-49	2020	24-Aug-20	Lake 8	1.1	Lake Trout	437	891	5.99	0.87	F	I	NA	NA	14	0.0040	2.1	0.52	0.12	-20.71000	9.5	1.1	NA	6 encysted parasites	NA
LT-75	2020	24-Aug-20	Lake 8	1.2	Lake Trout	451	891	8.11	22.42	M	M	NA	NA	15	0.0063	6.2	0.99	0.22	-25.33000	10	0.97	NA	NA	NA
LT-48	2020	24-Aug-20	Lake 8	1.1	Lake Trout	458	997	5.82	0.87	M	I	NA	NA	19	0.0052	4.6	0.88	0.19	-24.60000	9.6	1.0	Invertebrates	2 encysted parasites	NA
LT-60	2020	24-Aug-20	Lake 8	1.1	Lake Trout	469	1053	10.7	6.32	F	I	NA	NA	23	0.0041	5.4	1.3	0.29	-19.26000	9.5	1.0	Invertebrates and fish remains	NA	NA
LT-54	2020	24-Aug-20	Lake 8	1.1	Lake Trout	473	1165	14.52	125.13	F	M	22.98	227	22	0.0036	11	3.0	0.65	-25.10000	11	1.1	NA	NA	NA
LT-74	2020	24-Aug-20	Lake 8	1.2	Lake Trout	480	1266	12.33	23.85	M	M	NA	NA	21	0.0059	5.6	0.95	0.21	-17.49000	9.0	1.1	Zooplankton - full	NA	NA
LT-51	2020	24-Aug-20	Lake 8	1.1	Lake Trout	482	1132	9.42	40.43	M	M	NA	NA	13	0.0048	11	2.2	0.50	-23.89000	11	1.0	NA	NA	NA
LT-73	2020	24-Aug-20	Lake 8	1.2	Lake Trout	485	1143	13.08	3.04	M	I	NA	NA	26	0.0040	10	2.6	0.57	-24.03000	11	1.0	NA	NA	NA
LT-70	2020	24-Aug-20	Lake 8	1.2	Lake Trout	510	1290	14.52	8.07	F	I	NA	NA	19	0.0043	10	2.4	0.53	-22.35000	11	0.97	Whitefish, ~160mm	NA	Developing, 2nd otolith broken, but included
LT-61	2020	24-Aug-20	Lake 8	1.1	Lake Trout	522	1282	11.93	26.45	F	I	NA	NA	39	0.0039	19	4.8	1.1	-24.44000	12	0.90	NA	NA	Developing
LT-71	2020	24-Aug-20	Lake 8	1.2	Lake Trout	565	1463	8.89	1.5	M	I	NA	NA	27	0.0026	5.7	2.2	0.48	-18.99000	11	0.81	NA	6 encysted parasites	NA
LT-72	2020	24-Aug-20	Lake 8	1.2	Lake Trout	614	1862	11.08	3.4	M	I	NA	NA	39	0.0052	25	4.8	1.1	-21.83000	11	0.80	NA	NA	NA
LT-59	2020	24-Aug-20	Lake 8	1.1	Lake Trout	660	3263	26.78	32.17	M	M	NA	NA	43	0.0038	15	4.1	0.89	-20.97000	12	1.1	NA	NA	NA
LT-21	2020	20-Aug-20	Lake D1	1&2/1	Lake Trout	876	9530	108.19	350	M	M	NA	NA	35	0.0059	61	10	2.3	-25.23000	13	1.4	Lake Trout, 422mm 696g	NA	NA
LT-22	2020	20-Aug-20	Lake D1	1&2/1	Lake Trout	831	7750	66.44	305	M	M	NA	NA	37	0.0064	49	7.7	1.7	-23.83000	13	1.4	NA	NA	NA
LT-23	2020	20-Aug-20	Lake D1	1&2/1	Lake Trout	835	6920	58.95	104.46	F	M	NA	NA	36	0.0050	52	10	2.3	-23.92000	12	1.2	NA	NA	NA
LT-24	2020	20-Aug-20	Lake D1	1&2/1	Lake Trout	792	5580	55.43	65.59	F	M	NA	NA	50	0.0064	44	6.9	1.5	-22.12000	13	1.1	NA	NA	NA
LT-25	2020	20-Aug-20	Lake D1	1&2/1	Lake Trout	721	4295	40.61	131.6	M	M	NA	NA	33	0.0058	26	4.4	0.98	-22.06000	13	1.1	NA	NA	NA
LT-26	2020	20-Aug-20	Lake D1	1&2/1	Lake Trout	592	1854	22.72	14.95	F	I	NA	NA	28	0.0047	28	5.9	1.3	-23.65000	13	0.89	NA	20 encysted parasites	NA
LT-27	2020	20-Aug-20	Lake D1	1&2/1	Lake Trout	486	1051	8.7	1.34	M	I	NA	NA	13	0.0034	7.7	2.3	0.50	-25.00000	11	0.92	NA	17 encysted parasites	NA
LT-28	2020	20-Aug-20	Lake D1	1&2/1	Lake Trout	375	613	8.33	1.42	M	I	NA	NA	10	0.0042	4.7	1.1	0.24	-24.61000	8.8	1.2	Invertebrates	21 encysted parasites	NA
LT-29	2020	20-Aug-20	Lake D1	1&2/1	Lake Trout	435	867	7.01	1.29	M	I	NA	NA	22	0.0040	6.7	1.7	0.37	-23.47000	9.8	1.1	Invertebrates	42 encysted parasites	NA
LT-30	2020	20-Aug-20	Lake D1	1&2/1	Lake Trout	247	160.12	1.39	0.28	F	I	NA	NA	11	0.0030	3.8	1.3	0.28	-23.80000	10	1.1	4 eggs in coleom, mature eggs. 1 embedded in liver (see photo)	NA	NA

Table C2-1. Large-bodied fish samples collected for the Mercury Monitoring Program since 2015.

Notes:

[1] Kangislulik Lake (KAN) was previously referred to as Mammoth Lake (MAM).

[2] M = Mature; I = Immature; U = Unknown.

DELTs = Deformities, erosion, lesions, or tumours.

NA = No data

U = Unknown

Fish ID	Year	Date	Area [1]	Capture Method Effort	Species	Fork Length (mm)	Weight (g)	Liver Weight (g)	Gonad weight (g)	Sex	Maturity [2]	Egg Sample Weight (g)	Egg Count	Age (years)	Total Mercury in fish tissue				Stable Isotopes		Condition (K)	Stomach Contents	DELTs	Comment
															Sample Weight (g)	THg in Sample (ng)	THg (ppm)	THg (ppm ww)	C13	N15				
LT-31	2020	20-Aug-20	Lake D1	1&2/1	Lake Trout	831	5400	74.5	71.32	F	M	NA	NA	36	0.0041	32	7.7	1.7	-22.25000	13	0.94	NA	NA	NA
LT-32	2020	20-Aug-20	Lake D1	1&2/1	Lake Trout	728	5886	59.12	150.4	M	M	NA	NA	27	0.0063	28	4.5	0.99	-22.21000	13	1.5	NA	NA	NA
LT-33	2020	20-Aug-20	Lake D1	1&2/1	Lake Trout	853	7890	56.49	77.2	F	M	NA	NA	36	0.0038	51	13	3.0	-25.16000	12	1.3	NA	NA	NA
LT-34	2020	20-Aug-20	Lake D1	1&2/1	Lake Trout	638	3171	47.22	22.76	F	I	NA	NA	33	0.0037	23	6.1	1.3	-20.65000	12	1.2	NA	NA	NA
LT-35	2020	20-Aug-20	Lake D1	1&2/1	Lake Trout	458	895	7.9	0.52	U	I	NA	NA	13	0.0034	8.7	2.6	0.56	-24.45000	12	0.93	NA	NA	NA
LT-36	2020	20-Aug-20	Lake D1	1&2/1	Lake Trout	422	807	7.42	18.8	M	M	NA	NA	22	0.0058	11	1.9	0.41	-25.35000	9.7	1.1	Invertebrates	NA	NA
LT-37	2020	20-Aug-20	Lake D1	1&2/1	Lake Trout	392	666	5.33	9.02	F	I	NA	NA	19	0.0043	4.7	1.1	0.24	-24.71000	9.7	1.1	Invertebrates	18 encysted parasites	NA
LT-38	2020	20-Aug-20	Lake D1	1&2/1	Lake Trout	425	865	7.1	17.68	M	M	NA	NA	20	0.0055	10	1.8	0.41	-25.82000	10	1.1	NA	25 encysted parasites	NA
LT-39	2020	20-Aug-20	Lake D1	1&2/1	Lake Trout	281	261	3.19	0.49	F	I	NA	NA	10	0.0039	2.9	0.76	0.17	-24.15000	10.0	1.2	NA	NA	NA
LT-40	2020	20-Aug-20	Lake D1	1&2/1	Lake Trout	367	477	3.77	1.39	F	I	NA	NA	14	0.0035	7.1	2.0	0.45	-22.85000	11	0.97	NA	33 encysted parasites	NA
LT-41	2020	20-Aug-20	Lake D1	1&2/1	Lake Trout	322	357	2.5	0.15	U	I	NA	NA	12	0.0039	3.9	1.00	0.22	-23.82000	9.7	1.1	NA	25 enysted parasites	NA
LT-42	2020	20-Aug-20	Lake D1	1&2/1	Lake Trout	311	262	2.32	0.52	F	I	NA	NA	9	0.0044	4.1	0.93	0.21	-22.95000	11	0.87	NA	11 encysted parasites	NA
LT-43	2020	20-Aug-20	Lake D1	1&2/1	Lake Trout	226	140.33	1.16	0.26	U	I	NA	NA	11	0.0040	5.7	1.4	0.31	-22.06000	11	1.2	NA	12 encysted parasites	NA
LT-44	2020	20-Aug-20	Lake D1	1&2/1	Lake Trout	178	61.72	0.87	0.03	U	I	NA	NA	9	0.0032	2.9	0.90	0.20	-23.90000	9.8	1.1	NA	14 encysted parasites	NA
LT-45	2020	20-Aug-20	Lake D1	1&2/1	Lake Trout	179	57.92	0.64	0.03	U	I	NA	NA	5	0.0033	1.8	0.55	0.12	-23.68000	10	1.0	NA	4 encysted parasites	NA
LT-46	2020	20-Aug-20	Lake D1	1&2/1	Lake Trout	169	48.74	0.49	0.06	U	I	NA	NA	8	0.0028	2.4	0.84	0.19	-24.26000	10	1.0	NA	9 encysted parasites	NA
LT-47	2020	20-Aug-20	Lake D1	1&2/1	Lake Trout	256	184	1.84	0.06	U	I	NA	NA	9	0.0033	3.3	0.99	0.22	-23.43000	11	1.1	NA	9 encysted parasites	NA
LT-128	2020	30-Aug-20	Lake DS1	1	Lake Trout	269	199	2.41	0.07	U	I	NA	NA	3	0.0042	4.0	0.96	0.21	-22.82000	11	1.0	NA	3 encysted parasites	NA
LT-132	2020	30-Aug-20	Lake DS1	2	Lake Trout	402	712	7.59	1.58	F	I	NA	NA	11	0.0060	8.9	1.5	0.33	-19.89000	11	1.1	NA	7 encysted parasites	NA
LT-121	2020	30-Aug-20	Lake DS1	1	Lake Trout	409	708	6.27	0.94	M	I	NA	NA	10	0.0040	5.9	1.5	0.32	-22.61000	10	1.0	NA	1 encysted parasite	NA
LT-122	2020	30-Aug-20	Lake DS1	1	Lake Trout	416	736	6	0.18	F	I	NA	NA	13	0.0051	9.4	1.9	0.41	-21.10000	11	1.0	NA	NA	NA
LT-130	2020	30-Aug-20	Lake DS1	2	Lake Trout	436	852	6.99	0.5	M	I	NA	NA	11	0.0039	6.8	1.8	0.39	-25.27000	13	1.0	NA	6 encysted parasites	NA
LT-131	2020	30-Aug-20	Lake DS1	2	Lake Trout	459	1071	9.62	7.19	F	I	NA	NA	12	0.0054	5.3	0.97	0.21	-25.59000	11	1.1	NA	1 encysted parasite	NA
LT-136	2020	30-Aug-20	Lake DS1	2	Lake Trout	462	960	8.57	0.57	M	I	NA	NA	17	0.0038	6.7	1.8	0.39	-22.93000	11	0.97	NA	NA	NA
LT-137	2020	30-Aug-20	Lake DS1	2	Lake Trout	470	1012	12.09	0.77	M	I	NA	NA	14	0.0040	9.2	2.3	0.51	-24.83000	12	0.98	NA	NA	NA
LT-134	2020	30-Aug-20	Lake DS1	2	Lake Trout	478	1216	12.39	5.61	F	I	NA	NA	14	0.0036	7.6	2.1	0.47	-24.13000	11	1.1	NA	NA	NA
LT-142	2020	30-Aug-20	Lake DS1	2	Lake Trout	479	1055	6.91	7.75	F	I	NA	NA	22	0.0031	7.5	2.4	0.54	-25.47000	10	0.96	NA	11 encysted parasites	NA
LT-135	2020	30-Aug-20	Lake DS1	2	Lake Trout	483	1101	9.88	0.92	M	I	NA	NA	12	0.0047	6.6	1.4	0.31	-23.89000	11	0.98	NA	NA	NA
LT-126	2020	30-Aug-20	Lake DS1	1	Lake Trout	484	1112	9.88	18.85	M	M	NA	NA	16	0.0062	9.2	1.5	0.33	-23.09000	11	0.98	NA	NA	NA
LT-133	2020	30-Aug-20	Lake DS1	2	Lake Trout	500	1277	11.58	23.34	M	M	NA	NA	13	0.0043	8.0	1.9	0.41	-24.76000	12	1.0	NA	NA	NA
LT-127	2020	30-Aug-20	Lake DS1	1	Lake Trout	514	1202	8.74	0.65	M	I	NA	NA	14	0.0040	9.7	2.4	0.54	-22.74000	11	0.89	NA	6 encysted parasites	NA
LT-123	2020	30-Aug-20	Lake DS1	1	Lake Trout	518	1484	22.93	134.21	F	M	36.45	348	14	0.0044	5.9	1.3	0.30	-26.28000	12	1.1	NA	NA	NA
LT-120	2020	30-Aug-20	Lake DS1	1	Lake Trout	545	1725	11.08	1.76	M	I	NA	NA	19	0.0039	15	3.9	0.87	-22.52000	12	1.1	NA	Fluid filled tumor fused to liver and abdominal wall	NA
LT-125	2020	30-Aug-20	Lake DS1	1	Lake Trout	560	2112	16.08	35.8	M	M	NA	NA	14	0.0048	9.6	2.0	0.44	-25.77000	12	1.2	NA	3 encysted parasites	NA
LT-138	2020	30-Aug-20	Lake DS1	2	Lake Trout	565	1994	13.01	4.75	M	M	NA	NA	28	0.0031	17	5.6	1.2	-20.98000	12	1.1	NA	3 encysted parasites	NA
LT-140	2020	30-Aug-20	Lake DS1	2	Lake Trout	566	1575	10.92	15.56	F	M	NA	NA	20	0.0034	12	3.4	0.76	-21.34000	11	0.87	NA	2 encysted parsites	NA
LT-124	2020	30-Aug-20	Lake DS1	1	Lake Trout	590	2352	22.66	6.04	M	M	NA	NA	30	0.0037	21	5.7	1.3	-22.37000	13	1.1	NA	2 encysted parasites	NA
LT-129	2020	30-Aug-20	Lake DS1	1	Lake Trout	600	2641	38.28	334	F	M	40.09	296	26	0.0033	11	3.4	0.75	-20.87000	11	1.2	NA	4 encysted parasites	NA
LT-139	2020	30-Aug-20	Lake DS1	2	Lake Trout	611	2594	19.98	2.87	M	I	NA	NA	30	0.0035	9.8	2.8	0.62	-23.16000	12	1.1	Fish remains	NA	NA
LT-141	2020	30-Aug-20	Lake DS1	2	Lake Trout	734	3706	42.75	33.44	F	M	NA	NA	49	0.0026	38	15	3.2	-22.61000	13	0.94	Fish remains	NA	NA
LT-143	2020	30-Aug-20	Lake DS1	2	Lake Trout	745	3340	21.62	49.09	F	M	NA	NA	30	0.0035	64	18	4.0	-24.42000	12	0.81	Bird feathers	NA	NA
LT-1	2023	21-Aug-23	Lake D1	Gill net 2	Lake Trout	505	1360	15.01	14.19	F	I	NA	NA	21	0.0042	12	2.8	0.61	NA	NA	1.1	Z	EC	NA
LT-3	2023	21-Aug-23	Lake D1	Gill net 2	Lake Trout	480	638	9.57	1.87	F	I	NA	NA	14	0.0048	7.5	1.6	0.34	NA	NA	0.58	RW	EC	NA
LT-4	2023	21-Aug-23	Lake D1	Gill net 2	Lake Trout	398	741	8.07	0.25	F	I	NA	NA	14	0.0067	4.7	0.70	0.15	NA	NA	1.2	E	EC	NA
LT-5	2023	21-Aug-23	Lake D1	Gill net 2	Lake Trout	450	1079	12.28	6.61	F	I	NA	NA	14	0.0092	9.6	1.0	0.23	NA	NA	1.2	E	EC	NA
LT-6	2023	21-Aug-23	Lake D1	Gill net 2	Lake Trout	422	809	8.29	3.12	F	I	NA	NA	12	0.0063	14	2.2	0.49	NA	NA	1.1	E	EC	NA
LT-7	2023	21-Aug-23	Lake D1	Gill net 2	Lake Trout	326	332	3.96	0.18	U	I	NA	NA	9	0.0064	6.1	0.96	0.21	NA	NA	0.96	6 NS	NA	NA
LT-8	2023	21-Aug-23	Lake D1	Gill net 2	Lake Trout	193	80.76	0.9	NA	U	I	NA	NA	8	0.0050	3.4	0.68	0.15	NA	NA	1.1	E	EC	NA
LT-11	2023	21-Aug-23	Lake D1	Gill net 2	Lake Trout	791	6580	98.28	76.65	F	M	NA	NA	31	0.0081	35	4.4	0.96	NA	NA	1.3	RW	EC	RW Was 332 grams
LT-12	2023	21-Aug-23	Lake D1	Gill net 1	Lake Trout	510	1253	10.28	0.61	M	I	NA	NA	15	0.0087	24	2.8	0.61	NA	NA	0.95	E	EC	NA
LT-13	2023	21-Aug-23	Lake D1	Gill net 1	Lake Trout	435	789	7.38	0.1	U	I	NA	NA	17	0.0050	15	2.9	0.64	NA	NA	0.96	E	EC	NA
LT-14	2023	21-Aug-23	Lake D1	Gill net 1	Lake Trout	457	1034	7.57	6.65	F	I	NA	NA	13	0.0072	9.4	1.3	0.29	NA	NA	1.1	E	EC	May be maturing
LT-15	2023	21-Aug-23	Lake D1	Gill net 1	Lake Trout	429	958	8.14	23.03	M	M	NA	NA	17	0.011	13	1.2	0.26	NA	NA	1.2	E	EC	NA
LT-16	2023	21-Aug-23	Lake D1	Gill net 1	Lake Trout	379	534	5.48	0.8	F	I	NA	NA	11	0.0084	9.0	1.1	0.23	NA	NA	0.98	Z	EC	NA
LT-17	2023	21-Aug-23	Lake D1	Gill net 1	Lake Trout	543	1702	19.39	1.94	M	I	NA	NA	19	0.0080	16	2.0	0.44	NA	NA	1.1	E	EC	NA
LT-19	2023	21-Aug-23	Lake D1	Gill net 1	Lake Trout	586	2102	15.7	49.23	M	M	NA	NA	26	0.0076	36	4.7	1.0	NA	NA	1.0	E	EC	May be maturing
LT-21	2023	21-Aug-23	Lake D1	Gill net 1	Lake Trout	459	1055	21.26	114.47	F	M	68.69	495	18	0.011	17	1.6	0.35	NA	NA	1.1	Z	EC	NA
LT-22	2023	21-Aug-23	Lake D1	Gill net 1	Lake Trout	454	974	10.36	7.23	F	I	NA	NA	21	0.011	12	1.1	0.24	NA	NA	1.0	E	EC	May be maturing
LT-24	2023	21-Aug-23	Lake D1	Gill net 1	Lake Trout	360	504	4.88	0.92	F	I	NA	NA	12	0.0072	10	1.4	0.31	NA	NA	1.1	E	EC	NA
LT-25	2023	21-Aug-23	Lake D1	Gill net 1	Lake Trout	602	2249	16.23	18.74	F	M	NA	NA	31	0.0080	38	4.7	1.0	NA	NA	1.0	E	EC	NA
LT-26	2023	21-Aug-23	Lake D1	Gill net 1	Lake Trout	637	2738	17.39	30.92	M	M	NA	NA	32	0.0078	41	5.3	1.2	NA	NA	1.1	E	EC	NA
LT-27	2023	21-Aug-23	Lake D1	Gill net 1	Lake Trout	447	865	7.11	4.21	F	I	NA	NA	19	0.0044	8.8	2.0	0.44	NA	NA	0.97	E	EC	NA
LT-28	2023	21-Aug-23	Lake D1	Gill net 1	Lake Trout	861	8660	118.58	134.39	F	M	NA	NA	39	0.0096	72	7.5	1.6	NA	NA	1.4	LT	EC	LT 617 grams, atretic eggs
LT-29	2023	21-Aug-23	Lake D1	Gill net 1	Lake Trout	800	6600	78.6	203	M	M	NA	NA	41	0.011	86	8.0	1.8	NA	NA	1.3	NS AND UNIDENTIFIED FISH	NA	NA
LT-31	2023	21-Aug-23	Lake D1	Gill net 1	Lake Trout	774	5570	56.76	69.38	F	M	NA	NA	40	0.010	57	5.5	1.2	NA	NA	1.2	E	EC	NA
LT-32	2023	21-Aug-23	Lake D1	Gill net 1	Lake Trout	645	3339	35.26	3.36	M	I	NA	NA	27	0.0080	27	3.4	0.75	NA	NA	1.2	E	NA	NA
LT-65	2023	21-Aug-23	Lake 8	Gill net 1	Lake Trout	464	1025	6.81	21.13	M	M	NA	NA	16	0.0062	4.1	0.66	0.15	NA	NA	1.0	Z,I	EC	NA
LT-66	2023	21-Aug-23	Lake 8	Gill net 1	Lake Trout	498	1167	10.34	14.69	F	M	NA	NA	32	0.0064	23	3.5	0.78	NA	NA	0.95	Z,I	EC	NA
LT-67	2023	21-Aug-23	Lake 8	Gill net 1	Lake Trout	500	1046	8.24	13.75	F	M	NA	NA	34	0.0060	27	4.5	0.99	NA	NA	0.84	Z,I	EC	NA
LT-68	2023	21-Aug-23	Lake 8	Gill net 1	Lake Trout	407	845	9.55	5.93	F	I	NA	NA	14	0.0067	3.2	0.47	0.10	NA	NA	1.3	Z	EC	NA
LT-69	2023	21-Aug-23	Lake 8	Gill net 1	Lake Trout	405	768	9.36	3.36	F	I	NA	NA	14	0.0067	3.5	0.52	0.11	NA	NA	1.2	Z	EC	NA
LT-70	2023	21-Aug-23	Lake 8	Gill net 1	Lake Trout	439	893	5.5	23.65	M	M	NA	NA	17	0.011	8.4	0.79	0.17	NA	NA	1.1	1 SC	EC	NA
LT-71	2023	21-Aug-23	Lake 8	Gill net 1	Lake Trout	392	664	6.14	0.45	M	I	NA	NA	10	0.0058	4.7	0.81	0.18	NA	NA	1.1	Z,I	EC	NA
LT-72	2023	21-Aug-23	Lake 8	Gill net 1	Lake Trout	261	173.18	1.52	0.05	U	I	NA	NA	6	0.0061	5.0	0.82	0.18	NA	NA	0.97	E	EC	NA
LT-73	2023	21-Aug-23	Lake 8	Gill net 1	Lake Trout	233	127.38	0.66	NA	U	I	NA	NA	7	0.0057	2.0	0.34	0.076	NA	NA	1.0	Z	EC	NA
LT-74	2023	21-Aug-23	Lake 8	Gill net 1	Lake Trout	241	147.99	1.2	0.31	M	I	NA	NA	7	0.0052	2.4	0.47	0.10	NA	NA	1.1	Z	EC	NA
LT-75	2023	21-Aug-23	Lake 8	Gill net 1	Lake Trout	190	66.63	0.57	0.07	F	I	NA	NA	3	0.0055	0.97	0.18	0.039	NA	NA	0.97	Z	NA	NA
LT-76	2023	21-Aug-23	Lake 8	Gill net 1	Lake Trout	200	83.45	0.74	NA	U	I	NA	NA	3	0.0077	1.5	0.20	0.044	NA	NA	1.0	Z	EC	NA
LT-81	2023	21-Aug-23	Lake 8	Gill net 2	Lake Trout	486	1170	7.34	23.46	M	M	NA	NA	29	0.0069	13	1.9	0.42	NA	NA	1.0	I	NA	NA
LT-82	2023	21-Aug-23	Lake 8	Gill net 2	Lake Trout	501	1416	14.55	23.25	F	M	NA	NA	19	0.0091	9.4	1.0	0.23	NA	NA	1.1	Z,I	NA	NA
LT-83	2023	21-Aug-23	Lake 8	Gill net 2	Lake Trout	439	977	7.85	6.62	F	I	NA	NA	15	0.0093	6.2	0.67	0.15	NA	NA	1.2	Z,I	EC	NA
LT-84	2023	21-Aug-23	Lake 8	Gill net 2	Lake Trout	496	1233	11.69	15.83	F	M	NA	NA	15	0.0067	4.3	0.63	0.14	NA	NA	1.0	Z,I	EC	NA
LT-85	2023	21-Aug-23	Lake 8	Gill net 2	Lake Trout	423	880	12.7	2.83	F	I	NA	NA	11	0.0066	4.6	0.70	0.15	NA	NA	1.2	Z,I	EC	NA
LT-86	2023	21-Aug-23	Lake 8	Gill net 2	Lake Trout	454	1052	10.02	1.27	M	I	NA	NA	13	0.0060	9.4	1.6	0.34	NA	NA	1.1	Z,I	NA	NA
LT-87	2023	21-Aug-23	Lake 8	Gill net 2	Lake Trout	461	1070	8.72	24.46	M	M	NA	NA	19	0.0068	7.2	1.1	0.23	NA	NA	1.1	Z,I	EC	NA
LT-88	2023	21-Aug-23	Lake 8	Gill net 2	Lake Trout	479	1170	9.63	28.97	M	M	NA	NA	22	0.0063	10	1.6	0.35	NA	NA	1.1	Z,I	NA	NA
LT-89	2023	21-Aug-23	Lake 8	Gill net 2	Lake Trout	487	1095	9.93	14.42	F	M	NA	NA	31	0.0077	15	2.0	0.44	NA	NA	0.95	Z,I	EC	NA
LT-90	2023	21-Aug-23	Lake 8	Gill net 2	Lake Trout	512	1510	13.75	16.15	F	M	NA	NA	22	0.0062	9.1	1.5	0.32	NA	NA	1.1	LAKE TROUT AND UNIDENTIFIED SMALL FISH	EC	NA
LT-91	2023	21-Aug-23	Lake 8	Gill net 2	Lake Trout	377	565	8.54	0.41	M	I	NA	NA	14	0.0053	3.9	0.74	0.16	NA	NA	1.1	Z	EC	NA
LT-92	2023	21-Aug-23	Lake 8	Gill net 2	Lake Trout	520	1304	12.54	7.84	F	M	NA	NA	17	0.0067	10	1.6	0.34	NA	NA	0.93	Z	EC	NA
LT-93	2023	21-Aug-23	Lake 8	Gill net 2	Lake Trout	240	140.27	1.31	NA	U	I	NA	NA	10	0.0090	5.3	0.59	0.13	NA	NA	1.0	E	NA	NA
LT-96	2023	24-Aug-23	Whale Tail	Gill net 2	Lake Trout	635	2334	24.49	18.81	F	M	NA	NA	21	0.0047	55	12	2.6	NA	NA	0.91	E	NA	NA
LT-97	2023	24-Aug-23	Whale Tail	Gill net 2	Lake Trout	440	962	14.37	118.12	F	M	40.31	407	19	0.0063	36	5.6	1.2	NA	NA	1.1	E	EC	NA
LT-98	2023	24-Aug-23	Whale Tail	Gill net 2	Lake Trout	445	1058	9.78	41.87	M	M	NA	NA	17	0.0068	29	4.3	0.94	NA	NA	1.2	Z	EC	NA
LT-101	2023	24-Aug-23	Whale Tail	Gill net 2	Lake Trout	425	1035	18.66	118.61	F	M	39.98	337	12	0.0075	35	4.6	1.0	NA	NA	1.3	FINGERNAIL CLAMS AND Z	EC	NA
LT-103	2023	24-Aug-23	Whale Tail	Gill net 2	Lake Trout	456	1143	12.04	30.11	M	M	NA	NA	14	0.0091	29	3.2	0.71	NA	NA	1.2	FINGERNAIL CLAMS AND Z	EC	NA
LT-104	2023	24-Aug-23	Whale Tail	Gill net 2	Lake Trout	403	753	7.09	11.58	M	M	NA	NA	9	0.0058	28	4.8	1.1	NA	NA	1.2	Z	EC	NA
LT-105	2023	24-Aug-23	Whale Tail	Gill net 2	Lake Trout	350	486	4.75	0.86	F	I	NA	NA	8	0.0062	25	4.1	0.90	NA	NA	1.1	E	NA	NA
LT-106	2023	24-Aug-23	Whale Tail	Gill net 2	Lake Trout	333	430	3.49	0.55	F	I	NA	NA	7	0.0078	37	4.7	1.0	NA	NA	1.2	Z AND 1 NINESPINE	EC	NA
LT-108	2023	24-Aug-23	Whale Tail	Gill net 2	Lake Trout	282	264	2.28	0.09	M	I	NA	NA	6	0.0081	33	4.1	0.91	NA	NA	1.2	E	EC	NA
LT-110	2023	24-Aug-23	Whale Tail	Gill net 2	Lake Trout	250	192	1.89	0.21	F	I	NA	NA	5	0.0064	27	4.3	0.95	NA	NA	1.2	Z	EC	NA
LT-111	2023	24-Aug-23	Whale Tail	Gill net 2	Lake Trout	241	146	0.94	NA	U	I	NA	NA	7	0.0053	25	4.7	1.0	NA	NA	1.0	E	EC	NA
LT-113	2023	24-Aug-23	Whale Tail	Gill net 2	Lake Trout	750	5130	55.1	126.62	M	M	NA	NA	34	0.011	98	9.1	2.0	NA	NA	1.2	E	EC	Tag#nsc115941, fat around intestines and along the back
LT-114	2023	24-Aug-23	Whale Tail	Gill net 1	Lake Trout	469	1057	9.57	3.41	F	I	NA	NA	13	0.0071	44	6.1	1.4	NA	NA	1.0	E	EC	NA
LT-115	2023	24-Aug-23	Whale Tail	Gill net 1	Lake Trout	420	943	8.2	23.52	M	M	NA	NA	11	0.010	43	4.1	0.91	NA	NA	1.3	Z	EC	NA
LT-116	2023	24-Aug-23	Whale Tail	Gill net 1	Lake Trout	392	689	5.32	3.63	F	I	NA	NA	13	0.0075	35	4.7	1.0	NA	NA	1.1	Z	EC	NA
LT-117	2023	24-Aug-23	Whale Tail	Gill net 1	Lake Trout	561	2245	35.63	306	F	M	51.6	388	8	0.0099	89	9.0	2.0	NA	NA	1.3	E	NA	NA
LT-118	2023	24-Aug-23	Whale Tail	Gill net 1	Lake Trout	426	883	5.83	24.87	M	M	NA	NA	23	0.0057	42	7.4	1.6	NA	NA	1.1	UNIDENTIFIED FISH EMAINS	EC	NA
LT-120	2023	24-Aug-23	Whale Tail	Gill net 1	Lake Trout	435	975	11.66	136.82	F	M	50.37	514	14	0.0077	47	6.1	1.3	NA	NA	1.2	I	EC	NA
LT-121	2023	24-Aug-23	Whale Tail	Gill net 1	Lake Trout	385	569	4.09	0.45	M	I	NA	NA	5	0.0070	49	7.0	1.5	NA	NA	1.00	1 NINESPINE	EC	NA
LT-124	2023	24-Aug-23	Whale Tail	Gill net 1	Lake Trout	255	186	1.82	NA	U	I	NA	NA	4	0.0049	18	3.6	0.79	NA	NA	1.1	Z	EC	NA
LT-128	2023	24-Aug-23	Whale Tail	Gill net 1	Lake Trout	878	8760	57.16	286	M	M	NA	NA	42	0.012	134	11	2.5	NA	NA	1.3	E	EC	NA
LT-129	2023	24-Aug-23	Whale Tail	Gill net 1	Lake Trout	731	5210	61.91	70.04	F	M	NA	NA	19	0.0074	75	10	2.2	NA	NA	1.3	E	EC	NA
LT-130	2023	24-Aug-23	Whale Tail	Gill net 1	Lake Trout	305	318	2.96	NA	U	I	NA	NA	7	0.0046	24	5.3	1.2	NA	NA	1.1	Z	EC	NA
LT-135	2023	24-Aug-23	Whale Tail	Gill net 1	Lake Trout	225	117	1.26	NA	U	I	NA	NA	4	0.0063	26	4.2	0.92	NA	NA	1.0	Z	EC	NA
LT-136	2023	24-Aug-23	Whale Tail	Gill net 1	Lake Trout	206	108	1.58	NA	U	I	NA	NA	3	0.0062	26	4.2	0.93	NA	NA	1.2	Z	EC	NA
LT-34	2023	19-Aug-23	Kangislulik	Gill net 2	Lake Trout	396	655	4.99	21.74	M	M	NA	NA		0.011	10	0.99	0.22			1.1	I	EC	
LT-35	2023	19-Aug-23	Kangislulik	Gill net 2	Lake Trout	296	292	2.68	0.25	F	I	NA	NA		0.011	5.3	0.51	0.11			1.1	Z		
LT-36	2023	19-Aug-23	Kangislulik	Gill net 2	Lake Trout	254	196	2.47	0.17	M	I	NA	NA		0.012	4.4	0.42	0.093			1.2	E	EC	
LT-37	2023	19-Aug-23	Kangislulik	Gill net 2	Lake Trout	243	179	1.53	0.02	U	I	NA	NA		0.013	4.4	0.45	0.099			1.2	Z	EC	
LT-38	2023	19-Aug-23	Kangislulik	Gill net 2	Lake Trout	222	111	1.24	0.03	U	I	NA	NA		0.0097	7.8	0.63	0.14			1.0	E		
LT-39	2023	19-Aug-23	Kangislulik	Gill net 2	Lake Trout	187	62.25	0.46		U	I	NA	NA		0.010	6.3	0.59	0.13			0.95	E	EC	
LT-40	2023	19-Aug-23	Kangislulik	Gill net 2	Lake Trout	876	8430	126.81	993	F	M	57.79	512		0.010	49	4.4	0.97			1.3	E		SECOND FECUNDITY 56.45 GRAMS AND 509 EGGS
LT-41	2023	19-Aug-23	Kangislulik	Gill net 1	Lake Trout	564	2085	27.09	22.94	F	M	NA	NA		0.0095	14	1.3	0.28			1.2	E		
LT-42	2023	19-Aug-23	Kangislulik	Gill net 1	Lake Trout	382	550	4.15	0.26	M	I	NA	NA		0.011	10	0.90	0.20			0.99	E	EC	
LT-43	2023	19-Aug-23	Kangislulik	Gill net 1	Lake Trout	390	608	3.3	0.39	M	I	NA	NA		0.010	8.0	0.84	0.18			1.0	I	EC	
LT-44	2023	19-Aug-23	Kangislulik	Gill net 1	Lake Trout	393	637	4.01	14.73	M	M	NA	NA		0.0095	8.7	0.76	0.17			1.0	I	EC	
LT-45	2023	19-Aug-23	Kangislulik	Gill net 1	Lake Trout	370	562	4.25	20.63	M	M	NA	NA		0.011	7.9	0.85	0.19			1.1	I	EC	
LT-46	2023	19-Aug-23	Kangislulik	Gill net 1	Lake Trout	378	558	3.13	9.96	F	M	NA	NA		0.012	8.8	1.1	0.23			1.0	I	EC	
LT-48	2023	19-Aug-23	Kangislulik	Gill net 1	Lake Trout	478	1144	7.23	0.98	M	I	NA	NA		0.011	16	1.5	0.33			1.0	E	EC	
LT-49	2023	19-Aug-23	Kangislulik	Gill net 1	Lake Trout	415	710	4.63	6.99	F	I	NA	NA		0.0083	12	1.0	0.23			0.99	E	EC	
LT-50	2023	19-Aug-23	Kangislulik	Gill net 1	Lake Trout	348	510	3.08	11.85	M	M	NA	NA		0.0093	6.1	0.64	0.14			1.2	Z	EC	
LT-51	2023	19-Aug-23	Kangislulik	Gill net 1	Lake Trout	550	1504	9.72	10.79	F	I	NA	NA		0.0096	28	2.7	0.60			0.90	E	EC	
LT-53	2023	19-Aug-23	Kangislulik	Gill net 1	Lake Trout	426	732	4.93	3.35	F	I	NA	NA		0.012	9.0	0.87	0.19			0.95	E	EC	
LT-56	2023	19-Aug-23	Kangislulik	Gill net 1	Lake Trout	355	520	2.94	10.64	M	M	NA	NA		0.010	8.8	0.78	0.17			1.2	I	EC	
LT-57	2023	19-Aug-23	Kangislulik	Gill net 1	Lake Trout	340	484	3.41	2.08	F	I	NA	NA		0.012	5.6	0.55	0.12			1.2	I, 1 SCULPIN	EC	
LT-58	2023	19-Aug-23	Kangislulik	Gill net 1	Lake Trout	374	534	3.38	10.64	F	M	NA	NA		0.010	10	0.90	0.20			1.0	Z	EC	
LT-59	2023	19-Aug-23	Kangislulik	Gill net 1	Lake Trout	299	258	2.12	0.43	F	I	NA	NA		0.011	8.2	0.81	0.18			0.97	E	EC	
LT-60	2023	19-Aug-23	Kangislulik	Gill net 1	Lake Trout	286	290	2.83	0.13	F	I	NA	NA		0.010	4.1	0.43	0.095			1.2	Z	EC	
LT-61	2023	19-Aug-23	Kangislulik	Gill net 1	Lake Trout	210	96.86	0.93	0.13	F	I	NA	NA		0.011	5.7	0.54	0.12			1.0	E	EC	
LT-62	2023	19-Aug-23	Kangislulik	Gill net 1	Lake Trout	231	125.77	0.75	-	U	I	NA	NA		0.011	7.7	0.62	0.14			1.0	JUVENILE BURBOT REMAINS	EC	
WTS-AG-LT-1	2024	16-Aug-24	Whale Tail	Angling	Lake Trout	475	1200	-	-	U	A	-	-	-	0.0081	38	4.7	1.0						Released alive
WTS-AG-LT-2	2024	16-Aug-24	Whale Tail	Angling	Lake Trout	355	500	-	-	U	A	-	-	-	0.0045	16	3.5	0.76						Released alive
WTS-AG-LT-3	2024	16-Aug-24	Whale Tail	Angling	Lake Trout	387.5	700	-	-	U	A	-	-	-	0.0060	30	5.1	1.1						Released alive
WTS-AG-LT-4	2024	16-Aug-24	Whale Tail	Angling	Lake Trout	390	720	-	-	U	A	-	-	-	0.0062	32	5.1	1.1						Released alive
WTS-AG-LT-5	2024	16-Aug-24	Whale Tail	Angling	Lake Trout	360	500	-	-	U	A	-	-	-	0.0042	19	4.5	0.98						Released alive
WTS-AG-LT-6	2024	16-Aug-24	Whale Tail	Angling	Lake Trout	435	900	-	-	U	A	-	-	-	0.0076	42	5.5	1.2						Released alive
WTS-AG-LT-7	2024	16-Aug-24	Whale Tail	Angling	Lake Trout	380	750	-	-	U	A	-	-	-	0.0076	39	5.1	1.1						Released alive
WTS-AG-LT-8	2024	16-Aug-24	Whale Tail	Angling	Lake Trout	391	800	-	-	U	A	-	-	-	0.0052	20	3.8	0.84						Released alive
WTS-AG-LT-9	2024	16-Aug-24	Whale Tail	Angling	Lake Trout	380	600	-	-	U	A	-	-	-	0.0050	19	3.9	0.86						Released alive
WTS-AG-LT-10	2024	18-Aug-24	Whale Tail	Angling	Lake Trout	371.5	600	-	-	U	A	-	-	-	0.0057	17	3.0	0.65						Released alive
WTS-AG-LT-11	2024	18-Aug-24	Whale Tail	Angling	Lake Trout	390	650	-	-	U	A	-	-	-	0.0068	29	4.2	0.93						Released alive
WTS-GN-LT-1	2024	14-Aug-24	Whale Tail	Gill Net 1	Lake Trout	480	1400	-	-	U	A	-	-	-	0.0038	18	4.7	1.0						Released alive
WTS-GN-LT-2	2024	14-Aug-24	Whale Tail	Gill Net 1	Lake Trout	400	900	-	-	U	A	-	-	-	0.0074	37	5.0	1.1						Released alive
WTS-GN-LT-3	2024	14-Aug-24	Whale Tail	Gill Net 1	Lake Trout	590	2200	-	-	U	A	-	-	-	0.012	109	9.3	2.0						Deceased in net.
WTS-GN-LT-4	2024	14-Aug-24	Whale Tail	Gill Net 1	Lake Trout	525	1500	-	-	U	A	-	-	-	0.0048	30	6.4	1.4						Released alive
WTS-GN-LT-5	2024	14-Aug-24	Whale Tail	Gill Net 1	Lake Trout	670	3600	-	-	U	A	-	-	-	0.0082	71	8.7	1.9						Deceased in net.
WTS-GN-LT-6	2024	14-Aug-24	Whale Tail	Gill Net 1	Lake Trout	510	1000	-	-	U	A	-	-	-	0.0038	26	6.8	1.5						Released alive
WTS-GN-LT-7	2024	14-Aug-24	Whale Tail	Gill Net 1	Lake Trout	510	1500	-	-	U	A	-	-	-	0.0044	38	8.6	1.9						Deceased in net.
WTS-GN-LT-8	2024	14-Aug-24	Whale Tail	Gill Net 1	Lake Trout	660	2750	-	-	U	A	-	-	-	0.0047	39	8.2	1.8						Released alive. Fish was tagged
WTS-GN-LT-9	2024	14-Aug-24	Whale Tail	Gill Net 1	Lake Trout	415	800	-	-	U	A	-	-	-	0.0051	27	5.2	1.2						Released alive
WTS-GN-LT-10	2024	14-Aug-24	Whale Tail	Gill Net 1	Lake Trout	430	700	-	-	U	A	-	-	-	0.0053	28	5.2	1.1						Released alive
WTS-GN-LT-11	2024	14-Aug-24	Whale Tail	Gill Net 1	Lake Trout	480	1500	-	-	U	A	-	-	-	0.0046	26	5.6	1.2						Fish was tagged
WTS-GN-LT-12	2024	15-Aug-24	Whale Tail	Gill Net 2	Lake Trout	502.5	1250	-	-	U	A	-	-	-	0.0038	32	8.5	1.9						Released alive
WTS-GN-LT-13	2024	15-Aug-24	Whale Tail	Gill Net 2	Lake Trout	720	4000	-	-	U	A	-	-	-	0.0047	45	9.6	2.1						Released alive
WTS-GN-LT-14	2024	15-Aug-24	Whale Tail	Gill Net 2	Lake Trout	530	1800	-	-	U	A	-	-	-	0.0052	26	5.0	1.1						Released alive
WTS-GN-LT-15	2024	16-Aug-24	Whale Tail	Gill Net 3	Lake Trout	500	1100	-	-	U	A	-	-	-	0.0036	16	4.5	1.0						Released alive
WTS-GN-LT-16	2024	16-Aug-24	Whale Tail	Gill Net 3	Lake Trout	430	1000	-	-	U	A	-	-	-	0.0044	16	3.5	0.78						
WTS-GN-LT-17	2024	16-Aug-24	Whale Tail	Gill Net 3	Lake Trout	527	1500	-	-	U	A	-	-	-	0.0047	43	9.1	2.0						Released alive
WTS-GN-LT-18	2024	16-Aug-24	Whale Tail	Gill Net 3	Lake Trout	500	1100	-	-	U	A	-	-	-	0.0039	27	7.0	1.5						Released alive
WTS-GN-LT-19	2024	16-Aug-24	Whale Tail	Gill Net 3	Lake Trout	670	4400	-	-	U	A	-	-	-	0.0049	41	8.3	1.8						Released alive
WTS-GN-LT-20	2024	16-Aug-24	Whale Tail	Gill Net 3	Lake Trout	650	2800	-	-	U	A	-	-	-	0.0042	52	12	2.7						Released alive
WTS-GN-LT-21	2024	16-Aug-24	Whale Tail	Gill Net 3	Lake Trout	590	2250	-	-	U	A	-	-	-	0.0044	60	14	3.0						Released alive
WTS-GN-LT-DUP-1	2024	14-Aug-24	Whale Tail	Gill Net 1	Lake Trout	590	2200	-	-	U	A	-	-	-	0.0040	35	8.7	1.9						
WTS-GN-LT-DUP-2	2024	14-Aug-24	Whale Tail	Gill Net 1	Lake Trout	670	3600	-	-	U	A	-	-	-	0.0049	43	8.7	1.9						
WTS-GN-LT-DUP-3	2024	14-Aug-24	Whale Tail	Gill Net 1	Lake Trout	510	1500	-	-	U	A	-	-	-	0.0056	46	8.2	1.8						