



Blackwater Mine

Country Foods Monitoring Plan:
Environmental Assessment Certificate
Condition 41 Annual Report 2025

PREPARED FOR



Blackwater
Mine

DATE

March 2026

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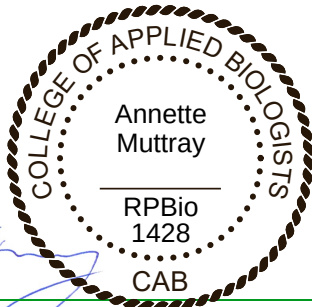
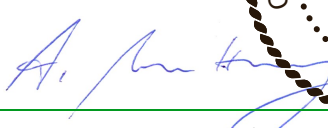


Blackwater Mine

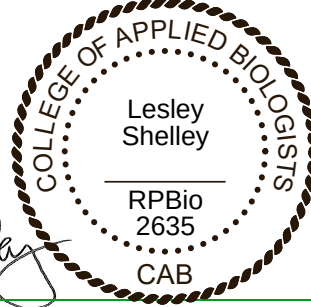
Country Foods Monitoring Plan: Environmental Assessment Certificate Condition 41 Annual Report 2025

March 2026

As required by the Blackwater Gold Mine Environmental Assessment Certificate Condition 41, the CFMP was prepared and implemented by qualified environmental professionals (QEPs), including those shown below. A QEP is a person who has training, experience, and expertise in a discipline relevant to the field of practice set out in the condition, is registered with a professional organization enabled under an Act who must follow a code of ethics issued by the professional organization, perform her or his duties in the public interest, and can be subject to disciplinary action by the organization.



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EXECUTIVE SUMMARY (PLAIN LANGUAGE SUMMARY)

Section 41(i)(v) of the Environmental Assessment Certificate (EAC) requires that a plain-language summary for a lay audience that summarizes the data, results, and conclusions of the Country Foods Monitoring Plan (CFMP) be provided. Rather than providing a fully separate report, this Executive Summary section provides the required plain language summary of the 2025 CFMP sampling program, results, and conclusions.

CONTEXT AND SITE ACTIVITIES IN 2025

Section 41 of the EAC for the Blackwater Mine (the Mine) requires a CFMP, including the sampling of air, surface water, fish tissue, soil, plant and berry tissue, and small mammals. The purpose of the CFMP is to:

- determine the effects of the Mine on the aquatic and terrestrial environments with respect to metal concentrations in country foods; and
- to confirm the predictions made in the human health risk assessment (HHRA) for the optimized Mine.

If unexpected effects of the Mine are found, the CFMP includes an adaptive management framework to identify the need for additional mitigation measures to reduce or eliminate Mine-related effects.

Mine activities in 2025 included continued development of the open pit using conventional drill, blast, load and haul techniques, and operation of the mill. Several significant milestones were achieved in Q1 2025, including the commencement of mill operations (January 22), initial deposition of tailings (January 25), and placement of Low Grade Ore (LGO) on the LGO Stockpile (March 14). By May 2025, commercial production was achieved, and operations continued through the year.

Construction activities continued through 2025 as well with a focus on:

- Continued development of Tailings Storage Facility (TSF) Dam C;
- Development of the LGO stockpile foundation panels;
- Construction of water management infrastructure;
- Establishing ancillary buildings and associated facilities; and
- Tree clearing and soil salvage occurred where needed to support those activities.

No works occurred on the Mine Access Road, Upper or Lower Waste Rock Stockpiles, Fresh Water Supply System (FWSS; excluding the Freshwater Reservoir), or Northern Diversion System.

The Mine has a permit (PE-110652) under the *Environmental Management Act* (EMA) that authorizes the discharge of effluent to surface water. However, no effluent was discharged to surface water in 2025, as contact water was pumped to the mill as make-up water to support production. To support water management at the Mine, operation and construction of water management infrastructure occurred in 2025, including the diversion of non-contact water from the upper Davidson Creek watershed around the mine site.

The Mine also has a permit (PE-110650) that authorizes air emissions (e.g., point source discharge from an incinerator and non-point sources such as fugitive dust). Activities in 2025 resulted in non-point source emissions of fugitive dust to air. Fugitive dust emissions to air are reported separately under the Air Quality and Fugitive Dust Management Plan

SAMPLING UNDER THE CFMP IN 2025

Sampling for metal concentrations in 2025 under the CFMP included the following:

- Surface water: a total of 125 water samples were collected at control sites (locations either upstream of the mine site or located in an adjacent watershed, outside of the influence of the mine site) and 230 water samples were collected at potential impact sites (locations downstream or downgradient of the mine site).
- Fish tissue: a total of 98 fish tissue samples were collected, with 47 sampled from potential impact sites and 51 sampled from control sites.
- Air quality: sampling of criteria air contaminants (CACs) is reported under the Air Quality and Fugitive Dust Management Plan and can be found in *2025 BW Gold Annual PE-110650 Report*, with a summary of the results included in the CFMP.

Under Section 4.3.2 of the CFMP, the sampling frequency for air quality (dustfall), soil, berry and plant tissues, and small mammals (rodents) once Construction starts is once every three years (unless triggered). The Mine initiated limited early works and other construction activities at the mine site in October 2022 and dustfall, soil, plants, and berries were collected in 2023. As additional sampling was not triggered (2023 or 2024 CFMP Annual Reports), dustfall, soil, and tissues of plants and berries were not collected in 2025. Efforts continued in 2025 to obtain samples of wild game animals through the donated tissue sampling program.

RESULTS OF CFMP SAMPLING IN 2025

Results of sampling in 2025 are summarized for metals in surface water and fish tissue, and for CACs in air, in the context of the adaptive management framework for the CFMP in the following subsections.

The adaptive management framework in the CFMP identifies numeric performance metrics (NPMs; sometimes referred to as triggers) to define none, low, medium, and high action levels based on comparison of the sampling results with the NPMs for each metal contaminant of potential concern (COPC) in each environmental medium and country foods tissue. Each action level has different “management responses” that identify actions to address causes of unexpected Mine-related changes. If the NPM levels are not exceeded, the action level is defined as “none” and no changes to mitigation are needed as mitigation measures are working in the way they were expected to perform. There are three types of NPMs:

- Guideline NPMs: guidelines defined by regulatory agencies (such as Health Canada or BC Ministry of Environment and Climate Change Strategy) that are protective of human health.
- Baseline NPMs: concentrations of metals defined based on baseline datasets for each environmental medium and country foods.

- Predicted NPMs: concentrations of metals in environmental media and country foods tissues defined based on predictive modelling for the Mine.

SURFACE WATER

Average concentrations of metal COPCs measured in surface water in 2025 were all below the Guideline NPMs for water, and therefore, concentrations are below levels of concern for human health. Average concentrations of metal COPCs measured in surface water were below the Baseline and Predicted NPMs, except for:

- Average concentrations of total aluminum, arsenic, cadmium, iron, lead, and manganese at impact sites that were higher than the Baseline WQ NPM, and
- Average concentrations of total aluminum and iron at surface water quality (SWQ) model node sites that were higher than the Predicted WQ NPM.

These results indicate that average concentrations of these metals have increased above baseline concentrations, and aluminum and iron concentrations were higher than what was predicted by the SWQ model, but all metal concentrations are below levels of concern for human health. Concentrations of total aluminum and iron measured in 2025 were lower than the concentrations measured in 2024, indicating that water quality improved in 2025 relative to 2024. The improvement in water quality between 2024 and 2025 is likely due to there being no effluent discharge in 2025 (e.g., no discharge in 2025 from the TSF-C Sediment Control Pond, where the last discharge occurred in December 2024).

As required under the CFMP, a Before-After Control-Impact (BACI) analysis is required when an increase in COPC concentrations at impact sites above baseline and predicted concentrations is detected to determine if the change is statistically significant. The BACI analysis for surface water metals identified that the changes in total aluminum and iron concentrations at impact sites from before the start of Construction in October 2022 compared to after Construction began were statistically significant and that the change in concentrations at impact sites was different than at control sites.

Some of the increase in total aluminum and iron concentrations is likely coming from non-contact diversion water from the 2023 fire-impacted areas of the upper Davidson Creek watershed. While there were no discharges of effluent to surface water in 2025, Mine-related sources of increased concentrations of total aluminum and iron may be from the March 2025 release of water containing suspended solids (and metals attached to the solids) from site into Davidson Creek. This release of water happened because of an Erosion and Sediment Control failure upstream. Clearing that was completed upstream of Davidson Creek in May/June 2025 also likely contributed to elevated concentrations in the second and third quarters of 2025 when compared to baseline. Temporary increases in the concentration of total aluminum and iron in Creek 661 were also noted between February and June. The increased concentrations in Creek 661 between February and June may be associated with early snowmelt conditions that may have impacted new infrastructure at the mine site and runoff from wildfire-impacted areas upstream of Creek 661. Increased concentrations of total aluminum and iron were also observed at 661-05 during the same time period in 2024. Concentrations in Creek 661 returned to baseline levels later in the year.

BW Gold adjusted or implemented mitigation measures for erosion and sediment control, water management, and fugitive dust control in response to the Erosion and Sediment Control failure and the fugitive dust emission events that occurred on site in 2025. For example, BW Gold put in place spray points at the conveyors from the tertiary crusher to the ore stockpile, spray points and bag houses at the primary and tertiary crusher, and a baghouse at the secondary crusher to control fugitive dust emissions.

Although average total cobalt concentrations in surface water were below the Baseline and Predicted NPMs, increased cobalt concentrations were identified in both surface water in Davidson Creek and groundwater from monitoring wells in the third quarter of 2025. The increase in total cobalt concentrations in Davidson Creek compared to baseline concentrations and concentrations measured in 2023 and 2024 may be attributable to Mine activities, specifically from unrecovered seepage (Mine-influenced groundwater that enters surface water) from the TSF-C and Interim Environmental Control Dam (IECD). BW Gold has completed and/or planned mitigations to address the seepage-groundwater interaction and influence on downstream surface waters, including:

- Additional monitoring of TSF-C seepage flow paths entering the former Davidson Creek upstream of the future FWR footprint.
- Additional monitoring (increased frequency) of installed groundwater wells and installation and monitoring of new groundwater wells downstream of the TSF-C to understand seepage flows and flow paths.
- Commencement of operation of two seepage pumpback wells in September 2025.
- Capture and pumpback of seepage reporting to a topographic low point downstream of TSF C.
- Installation of four additional seepage pumpback wells (pumping from three of the wells was initiated after end of period in February 2026 and one well remains on stand-by pending monitoring results).
- Execution of site investigations and engineering design for the ECD, Northern Diversion and TSF-D which are planned to be constructed in accordance with the mine development sequence and are expected to contribute to seepage capture or routing of clean water away from mine areas.

Reduction of dissolved cobalt concentrations is anticipated with the mitigations however following assessment of the monitoring results in 2026, BW Gold will evaluate if additional mitigations are necessary.

Assignment to a trigger level within the CFMP adaptive management framework was completed for total aluminum and iron in surface water. Based on the results of two consecutive years of monitoring, with average concentrations of total aluminum and iron that were significantly higher than Baseline and Predicted NPMs in both 2024 and 2025, the trigger level is **medium**.

FISH TISSUE

For fish tissues, average concentrations were lower than Baseline, Predicted, and Guideline NPMs for fish tissue in 2025. No Mine-related risks to human health were identified, and changes in surface water quality did not result in unexpected changes to fish tissue metal concentrations.

Thus, based on 2025 monitoring results, the trigger level in the adaptive management framework for fish tissue is **none**.

AIR QUALITY

Meteorological conditions and concentrations of CACs, which includes particulate matter (PM) under 10 microns (PM₁₀), PM under 2.5 microns (PM_{2.5}), sulfur dioxide, nitrogen dioxide, and carbon monoxide, and were monitored in 2025. There were several exceedances of PM₁₀ and PM_{2.5} trigger concentrations in 2025 on June 12, June 24, and between August 29 to September 3. All measured exceedances for PM were attributed to wildfire smoke occurring in the region and outside of the control of the Mine.

There were no exceedances of the BC ambient air quality objectives for sulfur dioxide, nitrogen dioxide, and carbon monoxide in 2025.

CONCLUSION

Based on the overall results of the 2025 monitoring programs under the CFMP, there is currently no concern for human health as mean concentrations of all COPCs in surface water and fish tissues are below levels of concern for human health (i.e., the Guideline NPMs). However, as mean concentrations of total aluminum and iron were higher than the Baseline and Predicted WQ NPMs, and maximum concentrations of cobalt increased in the second half of 2025 above the WQ Guideline NPM in Davidson Creek, continued monitoring under the AEMP and CFMP is recommended. BW Gold has completed and implemented various mitigations in 2025 to address the dissolved cobalt high level exceedance in the Surface Water Quality Response Framework, which are anticipated to reduce increased concentrations of dissolved cobalt in ground and surface water attributed to seepage impacts.

Sampling under the CFMP or linked monitoring programs is proposed for 2026, including the following:

- Surface water quality;
- Fish tissue sampling;
- Air quality;
- Dust deposition sampling;
- Soil and vegetation tissue sampling; and
- Small mammal tissue sampling.

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ACRONYMS AND ABBREVIATIONS

Aboriginal Groups or Indigenous nations	Lhoosk'uz Dené Nation, Ulkatcho First Nation, Nadleh Whut'en First Nation, Saik'uz First Nation, Stellat'en First Nation and Nazko First Nation (as defined in the Project's Environmental Assessment Certificate #M19-01)
AEMP	Aquatic Effects Monitoring Plan
Application/EIS	Application for an Environmental Assessment Certificate/Environmental Impact Statement
AQ	Air Quality
AQFDMP	Air Quality and Fugitive Dust Management Plan
BACI	Before-after-control-impact
BC	British Columbia
BC ENV	Ministry of Environment and Climate Change Strategy (now BC Ministry of Environment and Parks)
BW Gold	BW Gold Ltd.
CAC	Criteria air contaminants
CALA	Canadian Association for Laboratory Accreditation
CDS	Central diversion system
CFMP	Country Foods Monitoring Plan
CFSEC FUP	Country Foods and Socio-Economic Conditions Follow-up Program
CO	Carbon monoxide
COA	Certificate of Analysis
COPC	Contaminant of potential concern
CSM	Conceptual site model
CSR	Contaminated Sites Regulation
DCDB	Davidson Creek Diversion Berm
DCDS	Davidson Creek Diversion System
DL	Detection limit
DS	Decision Statement
DW	Drinking water
DWQG	Drinking water quality guideline
EAC	Environmental Assessment Certificate
EAO	Environmental Assessment Office
ELoMC	Environmental Life of Mine Committee
EMA	<i>Environmental Management Act</i>

EMB	Environmental Management Board
EPC	Exposure point concentration
FDR	False discovery rate
FSR	Forest service road
FWR	Freshwater reservoir
ha	Hectare
HC	Health Canada
HHRA	Human health risk assessment
HHTAM	Human health triggers for adaptive management
IECD	Interim Environmental Control Dam
Indigenous groups or Aboriginal Peoples	Ulkatcho First Nation, Lhoosk'uz Dené Nation, Nadleh Whut'en First Nation, Stelat'en First Nation, Saik'uz First Nation, Nazko First Nation, Skin Tyee Nation, Tsilhqot'in Nation, Métis Nation British Columbia, and Nee-Tahi-Buhn Band (as defined in the Project's federal Decision Statement)
IQR	Interquartile range
Joint Application	Joint <i>Mines Act/Environmental Management Act</i> Permits Application
km	Kilometre
LDN	Lhoosk'uz Dené Nation
LGO	Low Grade Ore
LNS	Lime neutralization system
LSA	Local Study Area
mg/kg	Milligrams per kilogram
mg/L	Milligrams per litre
Mine, the	Blackwater Mine
Mtpa	Million tonnes per annum
MW	Mountain whitefish
NPM	Numeric performance metric
NFN	Nechako First Nations
PAG	Potentially acid-generating
PASS	Passive air sampling system
PM	Particulate matter
PS-SCP	Plant Site Sediment Control Pond
Proponent	BW Gold LTD.
PWP	Process water pond

Q	Quarter (of the year)
QA/QC	Quality assurance/quality control
QP	Qualified Professional
RB	Rainbow trout
RIB	Rapid infiltration basin
RPD	Relative percent difference
RWP	Raw water pond
SWQ	Surface water quality
t/d	Tonnes per day
TSF	Tailings storage facility
TSF-C-SCP	Tailings storage facility Stage 1 Sediment control pond
UCLM	Upper confidence limit of the mean
UFN	Ulkatcho First Nation
WMP	Water management pond
WQ	Water quality
WTP	Water treatment plant
ww	Wet weight

1. INTRODUCTION

BW Gold Ltd. (BW Gold), a wholly owned subsidiary of Artemis Gold Inc. (Artemis), is operating the Blackwater Mine (the Mine), an open pit gold and silver project in central British Columbia (BC) located approximately 112 kilometres (km) southwest of Vanderhoof (Figure 1.1-1). The Mine is accessed via the Kluskus and Kluskus Ootsa Forest Service Roads (FSRs) and received its federal and provincial environmental approvals in 2019 under New Gold Inc., before Artemis acquired the project and transferred the Environmental Assessment Certificate M19-01 to BW Gold in 2020. Since then, BW Gold has secured key authorizations including *Mines Act* Permit 246 (2021, as amended in 2023) and *Environmental Management Act* (EMA) permits for effluent and air discharges (Permits PE-110602 [2021], PE-110652 [2023, as updated in 2025], and PE¹-110650 [2023, as updated in 2025]). BWG also holds EMA Authorization PE¹-106530 for a permitted diesel-fired putrescible waste incinerator located near the construction camp.

Construction of the Mine began in October 2022. The first gold and silver pour at the Mine was achieved in January 2025. Commercial production was declared in May 2025.

The Country Foods Monitoring Plan (CFMP) Annual Report fulfills reporting requirements from the CFMP (ERM 2022) which addresses the conditions of the Project's Environmental Assessment Certificate (EAC; M19-01; issued June 21, 2019 under the 2002 BC *Environmental Assessment Act*) and the Environmental Assessment Decision Statement (DS; issued on April 15, 2019, under the *Canadian Environmental Assessment Act, 2012*). The conditions include several environmental monitoring and management programs with the goal of protecting the environment and human health. The CFMP is one such program and addresses all or some aspects of the following provincial EAC and federal DS conditions:

- In the EAC:
 - Condition 41: Country Foods Monitoring Plan;
 - Condition 2: Plan Development;
 - Condition 3: Adaptive Management; and
 - Condition 4: Consultation.
- In the DS:
 - Conditions 6.5, 6.11, 6.12 and 6.15: Health and Socio-economic Conditions and Current Use of Lands and Resources for Traditional Purposes;
 - Conditions 2.3 and 2.4: Consultation;
 - Conditions 2.5, 2.6, 2.7, 2.8, 2.9, and 2.10: Follow-up and Adaptive Management; and
 - Conditions 2.11, 2.12, and 2.13: Annual Reporting.

¹ PE-110650 and PE-106530 are permits for discharges to air and are commonly referred to as PA-### in BC. The abbreviation "PE" is used in the report to be consistent with BWGold's internal nomenclature.

The map displays the Blackwater Mine area in British Columbia, Canada. The mine is marked with a yellow star in the lower-left quadrant, near the Lhoosk'uz Dené Nation and Tatelkus Lake 28. Other communities shown include Burns Lake, Fraser Lake, Vanderhoof, Prince George, and Quesnel. The map features several rivers: Endako, Francois, Nechako, Chilako, and Euehiniko. Major roads are highlighted in red, including Highway 27, Highway 16, and Highway 97. A legend in the bottom right corner identifies symbols for the Blackwater Mine, communities/settlements, highways, forest service roads, certified project descriptions from 2019, and Indian reserves. A scale bar at the bottom left indicates distances up to 50 kilometers. An inset map in the top right corner provides a broader geographical context, showing the mine's location within British Columbia and its proximity to major cities like Vancouver and Kamloops.

This report outlines the 2025 engagement with Indigenous groups, the 2025 CFMP monitoring results, and concordance tables to show how the CFMP and this annual report addresses the provincial EAC and federal DS conditions (Section 2.5). This report is the fourth Annual Report under the CFMP. Of the sampling described under the CFMP (see Section 4 of the CFMP), air particulate matter, surface water quality, and fish tissue sampling were conducted during the 2025 monitoring period.

1.1 REGIONAL SETTING

The Mine is located within the traditional territories of Lhoosk'uz Dené Nation, Ulkatcho First Nation, Skin Tyee Nation, and Tsilhqot'in Nation. The Kluskus and Kluskus-Ootsa FSRs and Mine transmission line cross parts of the traditional territories of Nadleh Whut'en First Nation, Saik'uz First Nation, and Stellat'en First Nation (collectively, the Nechako First Nations), as well as the traditional territories of the Nazko First Nation, Nee Tahi Buhn Band, Cheslatta Carrier Nation, and Yekooche First Nation (Environmental Assessment Office [EAO] 2019a, 2019b).

1.2 2025 CONSTRUCTION AND DISTURBANCE ACTIVITIES

Activities in 2025 included continued development of the open pit using conventional drill, blast, load and haul techniques, and operation of the mill. Several significant milestones were achieved in Q1 2025, including the commencement of mill operations (January 22), initial deposition of tailings (January 25), and placement of Low Grade Ore (LGO) on the LGO Stockpile (March 14). By May 2025, commercial production was achieved, and operations continued through the year.

Construction activities continued through 2025 as well with a focus on those activities outlined below:

- Continued development of Tailings Storage Facility (TSF) Dam C;
- Development of the LGO stockpile foundation panels;
- Construction of water management infrastructure; and
- Establishing ancillary buildings and associated facilities.

Tree clearing and soil salvage occurred where required to support those activities.

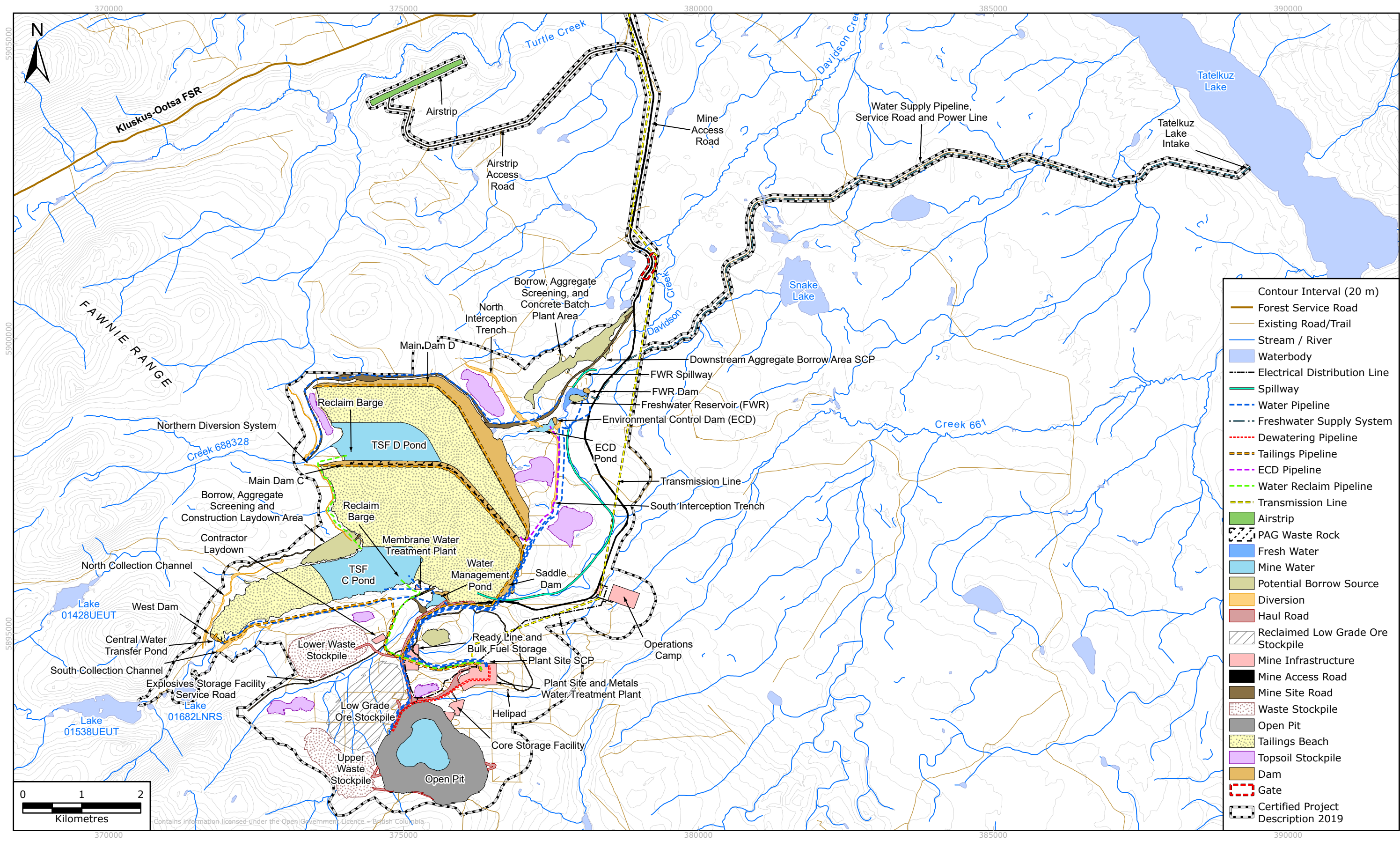
No works occurred on the Mine Access Road, Upper or Lower Waste Rock Stockpiles, Fresh Water Supply System (FWSS; excluding the Freshwater Reservoir), or Northern Diversion System. Location of Project components are illustrated on Figure 1.1-2.

1.2.1 DISCHARGES TO WATER

1.2.1.1 WATER MANAGEMENT SYSTEMS

No effluent was discharged in 2025 as contact water was pumped to the mill as make-up water to support production. To support water management at the Mine, operation and construction of water management infrastructure occurred in 2025.

FIGURE 1.1-2 THE BLACKWATER MINE PLAN



Key components of the site's water management infrastructure that connect the Pit Area, TSF, Stockpile Areas, and Plant Site Area include the water treatment systems, the Water Management Pond (WMP), and the FWR.

Commissioned water treatment systems included the Metals Water Treatment Plant (WTP) in 2024, and the Lime Neutralization System (LNS; January 9, 2025). Neither system treated water in 2025, as water sources for the Metals WTP were used in the mill, and monitoring results from the LGO Stockpile Pond in 2025 did not yet indicate a pH that required treatment by the LNS.

The Central Diversion System (CDS), established in 2024 to divert surface water from the upslope areas around the TSF to the WMP via surface water collection channels and the Central Water Transfer Pond, operated through 2025. The WMP was established in 2024 to collect runoff from the upstream drainage (Mine Area Creek), and water pumped from other collection points. In 2025, WMP collected water from Mine Area Creek and the CDS and conveyed it to the mill and to Davidson Creek. The non-contact water from the WMP was conveyed to Davidson Creek intermittently as needed to maintain pond volume capacity and support IFN requirements.

Construction of the FWR began in October 2025. This facility will be the final discharge location for the mine and water from the FWR will be used to supply flows to Davidson Creek and make-up water to the mill. Completion is anticipated in 2026 and, once completed, will receive water from the WMP and run-off from contributing catchments.

1.2.1.2 PIT AREA

Development of the open pit began in 2024 and continued through 2025 as operations commenced. In 2025, water collected in the pit was directed to a sump and moved to the LGO Stockpile pond, while water intercepted by dewatering wells was directed to the mill as make-up water.

1.2.1.3 TSF AREA

Substantial completion of the TSF C Dam and Interim Environmental Control Dam (IECD) occurred in 2024, supporting the initial use of these facilities. In 2025, deposition of potentially acid-generating (PAG) material in the TSF continued (initiated in 2024), and tailings depositions into the TSF was initiated on January 25, 2025 and continued through the year. As deposition of PAG and tailings occurred, construction of the TSF continued to support continued operation. Seepage from the TSF was collected by the IECD and pumped back to the TSF intermittently through 2025.

1.2.1.4 STOCKPILE AREAS

In 2025, foundation panels for the LGO stockpile were complete, including the foundation drains and the LGO Stockpile Pond. Initial deposition of LGO occurred on March 14, 2025. Water from the LGO Stockpile Pond is conveyed to the mill, where it is combined with the process water stream for neutralization via the LNS prior to discharge to the TSF. In 2025, pumping from the LGO Stockpile Pond to the mill occurred intermittently and was directed to the mill as designed. Monitoring of the LGO Stockpile Pond in 2025 did not yet indicate a pH that required treatment by the LNS.

1.2.1.5 PLANT SITE AREA

In 2025, plant site runoff was collected by perimeter ditches and directed to the Plant Site Sediment Control Pond (PS-SCP). The PS-SCP water is pumped to the mill to be used as processing make-up water. Construction activities associated with this system were completed in 2024.

In December 2025 construction of the Raw Water Pond (RWP) and Process Water Pond (PWP) began. Construction is not yet complete. When operational, the RWP will store treated water from the Metals WTP, which will be conveyed to the mill or overflow to the PWP unless otherwise directed, while the PWP will store untreated water from sources such as the open pit or stockpiles, which will be directed to the mill or the Metals WTP for treatment.

1.2.1.6 OTHER DISCHARGES TO WATER

The following Mine-related events were recorded for the potential to affect the aquatic receiving environment (ERM 2026a):

- In Q1 of 2025, an ore stockpile dust plume event was observed (see Section 1.2.2.1). Mapping determined that the observed dust deposited entirely within the mine site boundary (Lorax 2025). However, there was the potential for some dust to travel and deposit beyond the visible and mapped extent of deposited dust. Non-visible dust particles were likely smaller, and the dust-bound metals potentially transported to the receiving environment by these smaller particles would be minimal. Based on prevailing winds at the Mine, Creek 661 was the most likely receiving environment to be potentially affected by the stockpile dust plume event.
- Between March 12 and 15, 2025 a release of TSS laden water was identified from site into Davidson Creek due to an Erosion and Sediment Control failure upstream.
- In Q4 of 2025, groundwater seepage samples collected downstream of the TSF C and the IECD exceeded the Level 3 trigger concentrations established in the Draft Groundwater Trigger Response Plan for Non-Point Source Discharges to Ground. Level 3 triggers are defined by exceedance of the Contaminated Sites Regulation (B.C. Reg. 375/96) standard for aquatic life for a given parameter.

1.2.2 DISCHARGES TO AIR

No new point source emissions to air, as authorized under EMA Permit PE-110650, occurred in 2025.

Activities in 2025 that could have resulted in emissions of fugitive dust (non-point source emissions, as per EMA permit PE-110650) were the following:

- Land clearing and earthworks for operations camp, and mine infrastructure (e.g., open pit, ore stockpile sites, and borrow areas);
- Construction and use of unpaved access and mine roads;
- Material handling/re-handling at aggregate and topsoil stockpiles and LGO stockpile;
- Parking lot and road grading;
- Construction of water management structures (e.g., diversion channels);
- Construction of TSF dams, and IECD;

- Aggregate extraction from borrow pits;
- Borrow and aggregate crushing and screening;
- Concrete Batch Plant operations;
- Processing Plant operations; and
- Surface blasting, drilling, and material handling for starter pit.

Fugitive dust emissions are reported separately under the Air Quality and Fugitive Dust Management Plan (AQFDMP).

No burning occurring at the permitted diesel-fired putrescible waste incinerator located near the construction camp (PE-106530), or the refuse incinerator authorized through PE-110650, which has not yet been established.

1.2.2.1 OTHER DISCHARGES TO AIR

In March 2025, the Independent Environmental Monitor (IEM) submitted a comment following a site inspection that described a layer of ore stockpile dust present on top of accumulated snow in an area of approximately 1.32 km² surrounding the plant site buildings. There was concern expressed (e.g., by an UFN representative during the May 29, 2025 ELoMC meeting) as to whether there was any potential that the deposited dust would cause impacts to the soil, downstream water courses, or wildlife as material may potentially mobilize following snowmelt. BW Gold had contacted a qualified professional to review potential impacts related to dust concerns mentioned at the IEM meeting. BW Gold established mitigations, including spray points at the conveyors from the tertiary crusher to the ore stockpile, spray points and bag houses at the primary, secondary and tertiary crusher.

BW Gold collected and analyzed a dust sample from near the plant site and four dust-covered snow core samples. Analysis confirmed that the dust was ore dust containing elevated concentrations of metals (Lorax 2025). It was suggested that snowmelt from the most impacted areas within the plant site was not likely to affect areas downstream of 661-10 as the melt water is captured within the catchment ditches and collection ponds at the plant site (Lorax 2025). Analysis of water quality data from Q1 of 2025 was inconclusive at the time as to whether the source of observed increased concentrations of some metals and TDS, but not TSS, was from deposited dust.

BW Gold evaluated whether there was a potential for smaller particulates that may have travelled beyond the mine site boundary potentially impacting human health from ingestion of country foods, inhalation of particulates in air, or ingestion of surface water, and whether additional sampling outside of regular Aquatic AEMP and CFMP monitoring should be done. The evaluation concluded that no additional sampling of soil and vegetation outside of the regular CFMP sampling program was recommended because available lines of evidence indicated that impacts to human health were not expected from potential effects to the terrestrial environment. Lines of evidence included:

- There was no visible dust deposition outside of the mine site boundary;
- Measured PM_{2.5} and PM₁₀ concentrations were not elevated at the Operations Camp and were unlikely to be elevated at areas outside the mine site boundary during the March dusting event;
- Dust deposition occurred before emergence of vegetation (that could be used as country foods),

- Metal concentrations in soil and in the food chain are expected to be within natural variability and changes were unlikely to be measurable; and
- Country food harvesters were unlikely to have been present in the accessible area near the dust deposition area during the dusting event.

Regular sampling of the water quality in Creek 661 and its tributaries continued throughout 2025 as described in the AEMP, with additional sampling of sediment and benthic invertebrates recommended at sites 661-04 and 661-05 to address uncertainty in whether there were impacts of the dust deposition on the aquatic environment. Sampling at 661-04 and 661-05 indicated impacts to sediment parameter concentrations (e.g., elevated levels of cadmium and zinc), however, changes in concentration were not reflected in benthic invertebrate tissues (ERM 2026a).

Regular monitoring of particulates in air (PM₁₀ and PM_{2.5}) continued under the AQFDMP for PE-110650 and no exceedance of trigger levels was observed except for one medium trigger level exceedance for PM₁₀ on June 9, 2025 which has been attributed to wildfire activity (see Section 1.3). BW Gold investigated wind fencing to mitigate dusting from the ore stockpile drop points, but this option was deemed not feasible as the design criteria did not prove to be effective for dust management (Environmental Life of Mine Committee [*ELoMC*] *meeting minutes*, August 28, 2025). BW Gold implemented mitigation measures to minimize the dust plume from the ore stockpile (i.e., operational spray bars installed at the primary crusher, the conveyor, and the ore stockpile drop points; the secondary crusher is enclosed, and therefore no spray bars were needed) (*Environmental inspection record*, BC EAO inspection on September 18, 2025).

Dusting from roads is documented in the visual dust observation log. Based on a review of the visual dust observation log by the Air Quality QP in the *EMA Permit 110650 – Air Quality and Fugitive Dust Management Plan Review and Trigger Response Plan Review* (ERM 2026b), most of the documented dust events had dust mitigation actions taken; however, there were multiple events that did not have documented action responses. In addition, BC EAO documented a discrepancy for dust mitigation on the Mine Access Road and A-Trail in their *Inspection Record 20250036_IR001* dated September 25, 2025. This was based on the BC EAO's review of the Mine's visual dust observation log that recorded a dust event on June 11, 2025, but there was no record of mitigation responses. Water truck logs confirmed active dust suppression was ongoing throughout the day during the time of the inspection. BW Gold is actively implementing dust mitigation measures in response to dust observations; however, opportunities remain to improve the consistency of mitigation documentation in the observation log.

1.3 2025 WILDFIRE ACTIVITY

Several wildfires occurred in the vicinity of the Mine in 2025, however construction, operations and monitoring activities at the Mine were less impacted than in 2024 and 2023. No evacuations occurred, no fires intercepted the mine site, FSRs, transmission line, or planned offsetting sites, and the timing and completion of monitoring was not impacted. Smoke produced from those fires did impact air quality at the mine during the summer months.

2. OVERVIEW OF THE CFMP

2.1 OBJECTIVES

People may be exposed to contaminants of potential concern (COPCs) through inhalation of gases or particulates in air or ingestion of surface water, soil (incidental), or country foods such as plants and berries, fish, mammals, or birds. As a result of mining, mineral processing, or related activities, changes in concentrations of COPCs in environmental media, like surface water or soil, can influence the concentrations of the COPCs in plants, berries, fish, mammals, or birds (from uptake of COPCs through ingestion of environmental media or food) that may then be eaten by people as country foods. If concentrations or exposures are high enough, there is the potential for human health to be affected by exposure to the COPCs in environmental media or country foods.

COPCs were identified in the Conceptual Site Model (CSM; Entia 2022a) and the Human Health Risk Assessment (HHRA; Entia 2022b) and are metals, as defined in Section 3, Table 3-1, of the CFMP (ERM 2022). Criteria Air Contaminants (CACs) including PM (as PM₁₀ and PM_{2.5}), sulfur dioxide (SO₂), nitrogen dioxide (NO₂), and CO were not COPCs based on the results of the CSM (Entia 2022a) and the HHRA (Entia 2022b); thus, only a brief summary of 2025 monitoring results for CACs are provided in the CFMP annual report. Detailed reporting and adaptive management related to CACs are reported under the Air Quality and Fugitive Dust Management Plan (AQFDMP; ERM 2025a) and the *2025 BW Gold Annual PE-110650 Report* (Artemis Gold 2026).

No adverse effects to Indigenous or non-Indigenous health due to the development of the Mine were identified in the environmental assessment. The purpose of the CFMP Annual Report is to identify whether there have been changes in COPC concentrations in air, surface water, soil, and country foods as a result of the Mine that weren't predicted and whether these changes pose potential risk to people. As stated in the federal DS, the objectives of the CFMP over the life of the mine are:

- *"To verify the accuracy of the environmental assessment as it pertains to adverse environmental effects of the Designated Project on the health of Indigenous Peoples caused by changes in concentrations of contaminants of potential concern in water, soil, vegetation and wildlife, including fish"* (Condition 6.11 of the Decision Statement). No adverse effects to Indigenous or non-Indigenous health were identified in the environmental assessment, so the CFMP is intended to confirm that assessment.
- To identify *"levels of environmental change relative to baseline conditions that would require the Proponent to implement modified or additional mitigation measure(s)"* (Condition 2.5.4 of the Decision Statement).

As such, annual reports will be submitted under the CFMP with the objectives:

- To determine the effects of the Mine on the aquatic and terrestrial environments with respect to the quality of country foods;
- To confirm the quantitative predictions made in the HHRA updated for the optimized Mine (Entia 2022b), submitted as part of the provincial Joint *Mines Act/Environmental Management Act* permits application (Joint Application);

- To assess the efficacy of mitigation measures that are used to minimize the effects of Mine-related activities on the aquatic and terrestrial environments and country foods; and
- To identify the need for additional mitigation measures to reduce or eliminate Mine-related effects.

2.2 ENGAGEMENT ON THE CFMP

On March 31, 2025, BW Gold provided the CFMP 2024 Annual Report and other annual and interpretative reports to the Nations and government for review and discussion. These discussions were planned to occur throughout the remainder of 2025 based on the 2025 ELoMC calendar.

During the May 29, 2025, ELoMC monthly meeting, BW Gold and Entia provided a review of the implementation of the CFMP and responded to questions from LDN and UFN. Concerns raised by the Nations included potential effects from ore stockpile dust, additional dust fall monitoring in response to the stockpile dust observations, and lack of uptake on the donated tissue program.

Regarding the discussion of potential effects from the March 2025 ore stockpile dust release, BW Gold and Entia noted that data collection was being undertaken (discussed in Section 1.2.2.1) and responded to questions about potential effects of the PAG dust to fish tissues and wildlife.

During the July 24, 2025, ELoMC meeting, the review of the AQFDMP also highlighted that the March 2025 dust release was of high priority to LDN, UFN, and NFNs and that BW Gold was addressing the issue through additional data collection (ERM and Entia 2025; Lorax 2025) and mitigations.

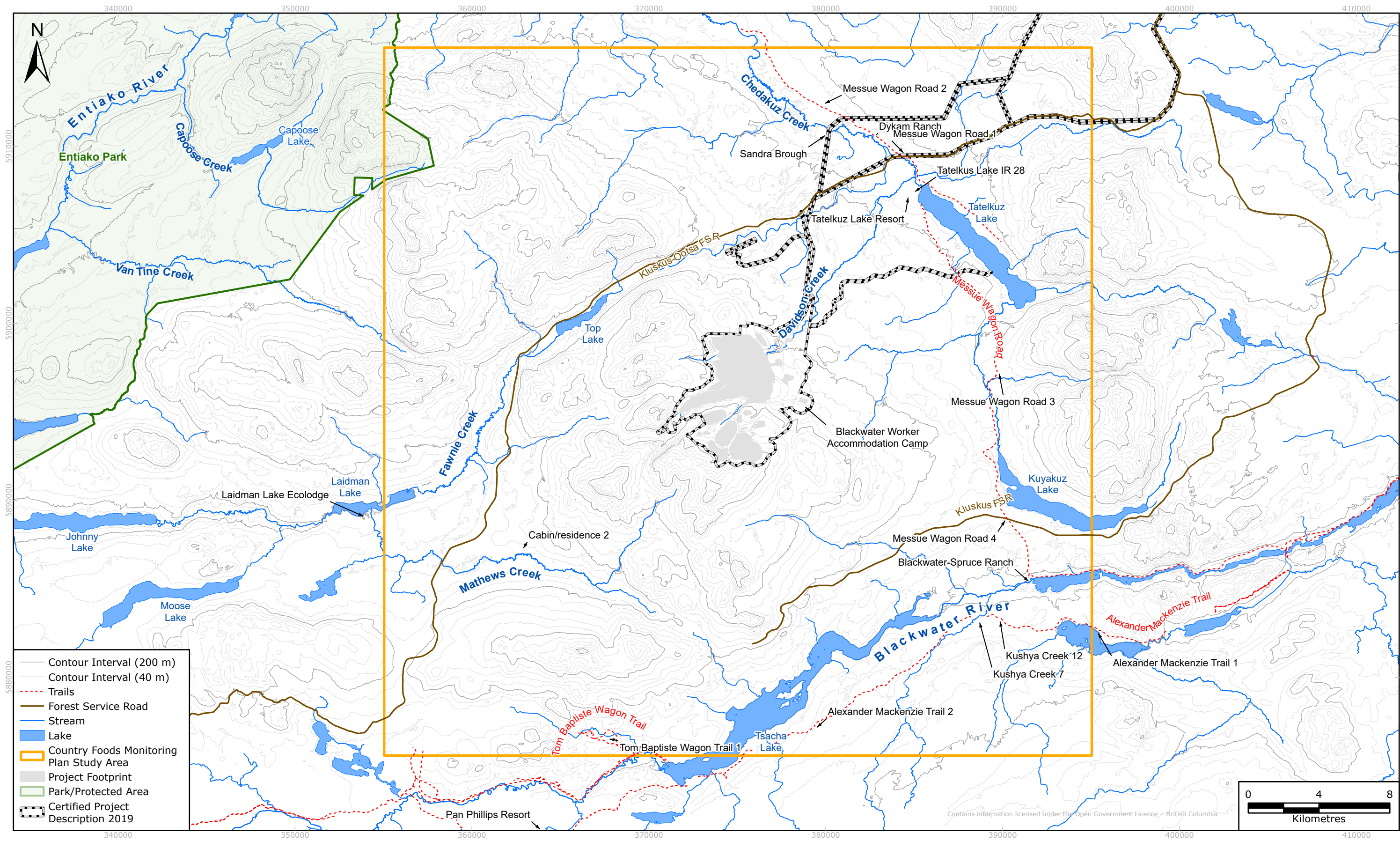
Comments by UFN and LDN on sampling of country foods in relation to the review of the BW Gold Country Foods and Socio-Economic Conditions Follow-up Program (CFSEC FUP) 2024 Annual Monitoring Report for DS 6.13 were received by BW Gold on August 22, 2025 and have been considered for this report, where applicable. Comments on the CFSEC FUP were related to sampling of fish, berry species, and small mammals and will also be considered during revisions and update of the CFMP to Version 2.0, and for data collection during the 2026 monitoring year and addressed in the CFMP annual report for 2026 (due March 31, 2027).

During the August 28, 2025, ELoMC meeting, BW Gold listed the CFMP as one of the monitoring plans to be updated.

2.3 CFMP STUDY AREA

The CFMP study area is the same as the study area used in the updated HHRA (Entia 2022b). The CFMP study area is based on an overlay of the air quality modelling domain, the surface water quality local study area (LSA), and the terrestrial LSA used in the Application/EIS and in the Joint Application. The air quality, surface water quality and terrestrial study areas were used as the foundation for the CFMP study area because they represent key transport or exposure pathways between COPCs in environmental media and human receptors. The LSAs or modelling domains were used (rather than the larger, regional study areas) because any effects due to the Mine are likely to be highest in the areas closest to Mine sources of COPCs at the mine site. Since the air quality modelling domain is larger than the other two LSAs, the CFMP study area is effectively equivalent to the air quality modelling domain (Figure 2.3-1).

FIGURE 2.3-1 COUNTRY FOODS MONITORING PLAN STUDY AREA



Some water quality baseline and monitoring sites (e.g., CC-30, CC-40) were located outside of the CFMP study area but were included in the updated HHRA and CFMP reporting as they are of interest to the NFNs and are located downstream of the mine site.

2.4 LINKAGES TO OTHER MANAGEMENT AND MONITORING PLANS

A series of management and monitoring plans have been developed for the Mine. Many of these plans outline monitoring commitments relevant to the CFMP objectives and, where possible, the sampling requirements under other plans align with the sampling requirements for the CFMP.

The CFMP relies on the monitoring and associated results from several plans, as follows:

- Aquatic Effects Monitoring Plan (AEMP; ERM 2025b):
 - Data collected under the AEMP will be used to fulfill requirements for CFMP sampling of water and fish tissue (EAC Condition 41(d)(vi) and 41(d)(vii), federal Decision Statement condition 6.11).
 - The AEMP outlines requirements for monitoring of water and fish tissue at various sites in the downstream aquatic receiving environment and at control sites.
 - Water and fish (juvenile rainbow trout) tissue samples will be co-collected at stream sites including near-field impact sites in Davidson Creek (DC-05 and DC-15) and Creek 661 (661-05 and 661-10), and reference sites in Creek 705 (705-05, 705-10) and a Fawnie Creek tributary (FC-01). Sampling will also be done in Turtle Creek (TC-01, TC-05, and TC-10).
 - Water and fish (adult Kokanee, rainbow trout, and mountain whitefish) tissue samples will be co-collected at lake sites including Tatelkuz Lake (impact site) and Kuyakuz Lake (control site).
- Air Quality and Fugitive Dust Management Plan (AQFDMP; ERM 2025a):
 - Data collected under the AQFDMP will be used to fulfill requirements for CFMP sampling of meteorological conditions and CACs (EAC Condition 41(d)(iii), federal Decision Statement condition 6.12).
 - The AQFDMP outlines requirements for monitoring of meteorological conditions (e.g., air temperature, relative humidity, precipitation, wind speed and direction, barometric pressure, snow depth, net radiation, and solar radiation) in two locations.
 - The AQFDMP also includes monitoring of CACs including PM of less than 10 microns in diameter (PM₁₀) and less than 2.5 microns in diameter (PM_{2.5}), NO₂, and SO₂.

3. SAMPLING UNDER THE CFMP IN 2025

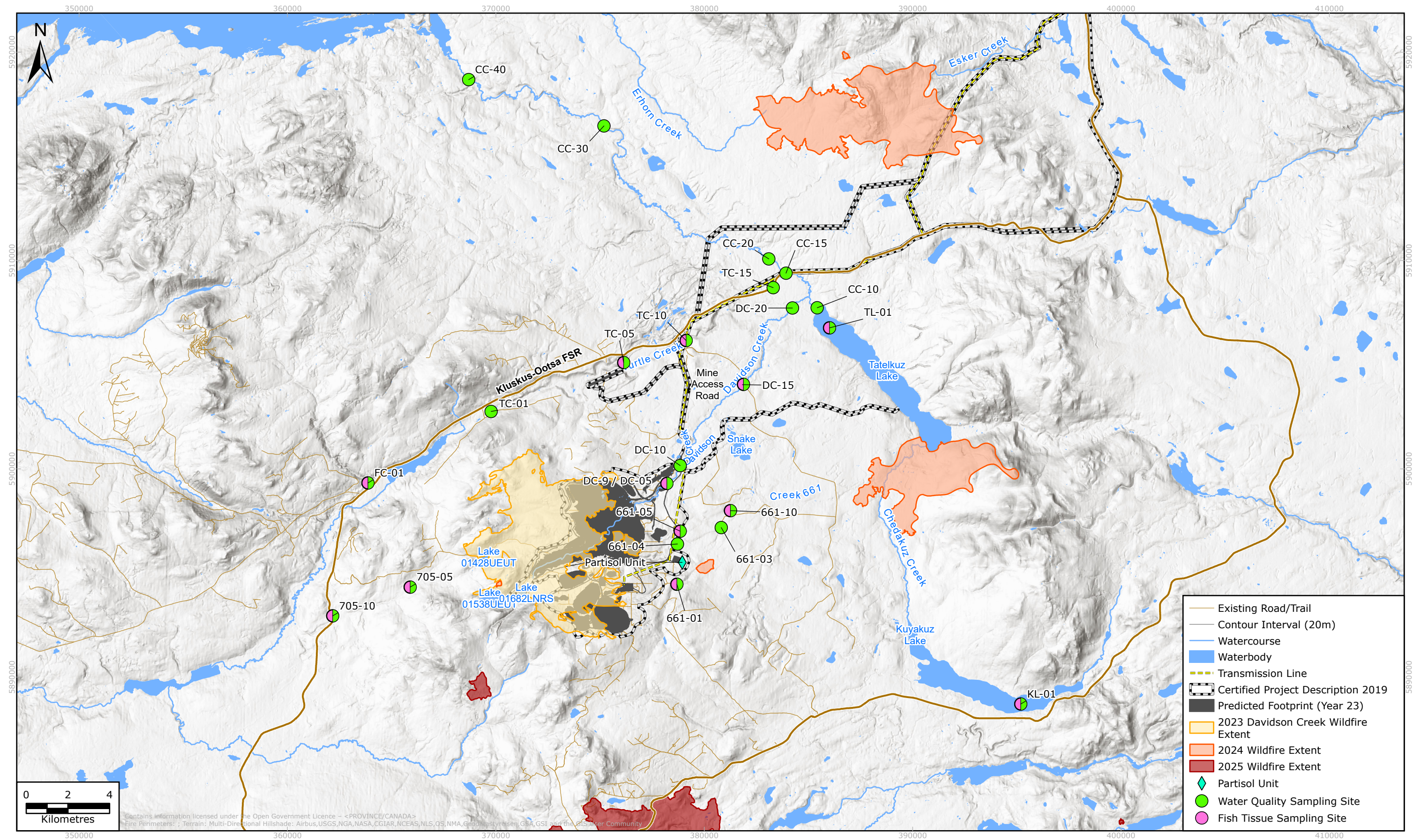
3.1 SURFACE WATER QUALITY

Surface water quality was monitored between January and December 2025 at the sites shown in Table 3.1-1. Sampling sites for surface water quality for the CFMP are shown in Figure 3.1-1 and are a subset of the sampling sites described in Section 4.2 of the AEMP.

TABLE 3.1-1 2025 CFMP SURFACE WATER SAMPLING SITES

Watershed or Lake	Site ID	Easting	Northing	Type of Site
Davidson Creek	DC-05	378205	5899299	Near-field impact site
	DC-10	378845	5900157	Near-field impact site
	DC-15	381880	5904054	Near-field impact site
	DC-20	384234	5907722	Mid-field impact site
Creek 661	661-01	378620	5894431	Control site (upstream reference site)
	661-03	380803	5897193	Near-field impact site on Creek 543585
	661-04	378714	5896389	Near-field impact site on Creek 146920
	661-05	378843	5897007	Near-field impact site on Creek 505659
	661-10	381179	5897915	Near-field impact site
	661-20	388662	5899439	Mid-field impact site
Turtle Creek	TC-01	369772	5902753	Control site (upstream reference site)
	TC-05	376375	5904723	Near-field impact site (air strip)
	TC-10	379129	5906160	Mid-field impact site (air strip)
	TC-15	383300	5908691	Mid-field impact site (air strip)
Chedakuz Creek	CC-03	388645	5899175	Control site (upstream reference site)
	CC-05	389737	5900563	Mid-field impact site
	CC-10	385418	5907732	Mid-field impact site
	CC-15	383924	5909393	Mid-field impact site
	CC-20	383097	5910077	Far-field impact site
	CC-30	375187	5916462	Far-field impact site
	CC-40	368695	5918685	Far-field impact site
Creek 705	705-05	365887	5894321	Control site (regional reference site)
	705-10	362169	5892943	Control site (regional reference site)
Fawnie Creek	FC-01	363860	5899323	Control site (regional reference site)
Tatelkuz Lake	TL-01	386010	5906768	Mid field impact site
Kuyakuz Lake	KL-01	395187	5888710	Control site (upstream reference site)

FIGURE 3.1-1 2025 SURFACE WATER AND FISH TISSUE SAMPLING SITES AND 2023 TO 2025 WILDFIRES



BW Gold Environmental Monitors completed the collection of stream and lake water quality samples. Sampling methods followed best practices as outlined in the British Columbia Field Sampling Manual (BC ENV 2013). Field sampling methods are further described in the 2025 AEMP Interpretative Report (ERM 2026a).

Parameters analyzed in surface water quality samples included the 18 COPCs identified in Section 4.4.1 of the CFMP, as well as additional physical parameters, general chemistry parameters (e.g., hardness), ions, and a full suite of total and dissolved metals that is required by Section 4.4.2.2 of the AEMP.

3.1.1 DEVIATIONS FROM CFMP SAMPLING METHODS

The sampling frequency and methods used in sampling surface water were as described in Section 4.4 of the CFMP, with minor exceptions. During the 2025 monitoring period, some water quality samples could not be collected due to conditions found in the field during sampling:

- One monthly sampling event (February) at TC-01 because the site was stagnant (February 24, 2025).
- Two monthly sampling events (February and March) at 661-01 because the site was frozen to ground (February 3 and March 18, 2025).
- Two monthly sampling events (February and March) at 661-03 because the site was frozen to ground (February 18 and March 10, 2025).
- One quarterly sampling event at TC-15 because the site was frozen to ground in February and March (February 3 and March 19, 2025).
- One quarterly sampling event at TC-15 on July 7, 2025 because the location was dry.
- One monthly sampling event (August 11) at 661-03 because the water was stagnant.
- One 5-in-30 sampling event at 661-10 on October 7 because of safety concerns related to Danger Trees in the area.
- One quarterly sampling event at TC-15 on November 26, 2025 because the location was dry.
- Two monthly sampling events (October and December) at 661-03 because the stream was dry on October 7, 2025 and because the stream was frozen on December 12, 2025.

On occasion, field measurements were not collected (e.g., dissolved oxygen, field pH, conductivity, and turbidity) because of probe issues, lack of a turbidimeter, or operator error.

These minor exceptions are not expected to impact the data analysis under the CFMP. The quality assurance/quality control (QA/QC) program for surface water quality sampling described in Section 4.4.3 of the CFMP was followed, including the collection of field duplicate samples and the use of trip and equipment blanks, as described in the AEMP. Laboratory-based QA/QC programs, consistent with the requirements of the British Columbia Environmental Laboratory Manual (BC ENV 2023) were used. No exceptions in the QA/QC program were noted.

3.2 FISH TISSUE QUALITY

Fish tissue collection sites under the CFMP were control sites on Creek 705 (705-05 and 705-10), Turtle Creek (TC-05 and TC-10; Turtle Creek sites are not considered to be impact sites as there were no construction or Mine-related activities relevant to these areas), Fawnie Creek (FC-01), and Kuyakuz Lake (KL-01), and impact sites on Creek 661 (661-01, 661-05, and 661-10), Davidson Creek (DC-05 and DC-15), and Tatelkuz Lake (TL-01).

In 2023, no RB were captured at Turtle Creek site TC-01 and this site was not included in 2024 and 2025. In 2025, no fish were captured at Creek 661, site 661-01.

Fish tissues were collected by Triton Environmental Consultants following methods described in the AEMP Version 4.0 (April 2025) (ERM 2025b) and the 2025 AEMP Interpretative Report (ERM 2026a).

As per the AEMP, eight rainbow trout (RB; *Oncorhynchus mykiss*) were targeted for tissue metals sampling per creek site. For Tatelkuz and Kuyakuz Lake, targeted fish species included RB, Kokanee (*Oncorhynchus nerka*), and mountain whitefish (MW; *Prosopium williamsoni*).

To decrease laboratory turnaround times and reduce sample handling, adult fish were dissected in the field prior to submitting tissue samples to ALS Laboratories for metals analysis. Tissue metal concentrations from whole-body juvenile RB and muscle tissue from adult RB and MW were combined in the statistical summaries, to align with the data analysis method used in the updated HHRA (Entia 2022a).

3.2.1 DEVIATIONS FROM AEMP SAMPLING METHODS

Fish inventory sampling was completed at sites as indicated in Appendix C of PE-110652. Sites were sampled between August 6, 2025 to September 20, 2025. Sampling methods were completed in accordance with the AEMP, Version 2.0, with the following exceptions (Table 3.2-1): Target numbers were achieved at all sites, except at 661-05 where only 7 out of 8 RBs were captured, at TC-05 where only 3 out of 8 RBs were captured, and no fish were captured at TC-01 and 661-01.

Beaver dam impoundments and water depths over 1.5 m impacted practicality of the three-pass electrofishing survey at TC-05 with only two RB captured via electrofishing. Minnow trapping effort captured one additional RB at TC-05.

No fish were captured at TC-01 (Turtle Creek) and 661-01 (Creek 661) during the three-pass electrofishing survey. Additional electrofishing effort was undertaken both upstream and downstream, and resulted in no fish captures. Water levels were extremely low and not conducive to other sampling methodologies (e.g., minnow trapping).

At the lake sites, eight MW and eight RB were collected from both Tatelkuz and Kuyakuz lakes for fish tissue metals analysis. No Kokanee were captured despite extensive gillnetting, angling, and hoop netting efforts (ERM 2026a).

TABLE 3.2-1 SUMMARY OF EXCEPTIONS TO METHODS, 2025 FISH TISSUE METALS SAMPLING

Methods Indicated in AEMP Plan Version 2.0	Methods Completed in 2025
Fish will be collected using closed-site backpack electrofishing with block nets	Beaver dam impoundments and water depths over 1.5 m impacted practicality of three-pass electrofishing survey at TC-05 (Turtle Creek). No fish were captured at 661-01 during the triple pass electrofishing survey. Additional electrofishing effort was undertaken both upstream and downstream, and resulted in no fish captures. Water levels were extremely low and not conducive to other sampling methodologies (e.g., minnow trapping).
Tissue metals samples will be collected from eight euthanized Rainbow Trout per site.	No fish were captured at TC-01 (Turtle Creek) and 661-01 (Creek 661) during three-pass electrofishing survey. Only two Rainbow Trout were captured via electrofishing at TC-05 (Turtle Creek). Minnow trapping effort captured one additional Rainbow Trout. Only 3 of 8 (sample size target) Rainbow Trout were submitted for metals analysis.
Tissue metals samples will be collected from Rainbow Trout, Kokanee and Mountain White Fish in Tatelkuz Lake. A target sample size of eight fish.	Target sample size (8 fish) was met for Rainbow Trout and Mountain Whitefish. No Kokanee were captured despite extensive gillnetting, angling, and hoop netting efforts.
Samples for tissue metals from adult fish will be separated into liver (liver weight to be recorded), muscle and remaining carcass.	Fish were dissected in the field and samples subsequently frozen. Liver weights were collected from liver samples at the time of dissection.

3.3 MAMMAL TISSUE QUALITY

There are two components to the small mammal tissue sampling under the CFMP:

1. Collaboration with Indigenous groups, particularly with hunters and trappers, to develop an Indigenous-led program for sampling and laboratory analysis of game animals that are hunted or trapped within the CFMP study area (donated samples); and
2. A small mammal (rodent) sampling program. This program was initially designed to only be initiated and completed if triggered through the trigger response framework (see CFMP Version 1) but was updated to be conducted as a baseline program and a continued program irrespective of triggers (ERM 2023a).

Both components of the program were initiated in 2023 as baseline collection programs as no sampling had been conducted previously and effects from Construction were expected to be limited. Rationales and context for the components of this program were provided in January 2023 in the *Framework for the Collection Program for Rodents* (ERM 2023a), which will be integrated into the next update of the CFMP. The small mammal (rodent) sampling program was not conducted in 2025 as it is tied to the soil, plant, and berry sampling program and will be conducted again at the end of Construction / commencement of Operations, as per ERM (2023a), in the summer of 2026.

3.3.1 HUNTED GAME ANIMAL PROGRAM

In 2023, BW Gold established the hunted game animal (donated tissue) program as part of the CFMP. This is a supplementary program intended to support a better understanding of the quality of meat and game from animals harvested near the Mine. It depends on donations made from land users and, as such, in 2023 BW Gold worked with LDN and UFN to establish collection locations and display posters in the community.

This program continued through 2025, although no game tissue samples were donated. This was confirmed through discussions with LDN and UFN during the regular ELoMC meetings on May 29 as part of the 2025 program implementation. During this meeting the lack of samples provided and recommendation to review and revise the program to encourage uptake were discussed. Further discussions on this recommendation were held with LDN and UFN on July 11 and December 12, 2025. Based on the 2024 recommendation for this program BWG reviewed the process and identified opportunities for improvement. These included:

- Adding a gas card as a prize for donations;
- Updating the poster intended to be posted in communities to indicate the above prize, specify drop off locations, and to improve readability by streamlining the wording;
- Developing a sticker that could be filled out and applied to samples, where the program had previously required participants to label the sample and populate a sample form separately; and
- Updating the sample instructions to be a pamphlet that participants could maintain as a reference for several samples (in the previous iteration this information had been included in the sample form).

A review of these changes with LDN and UFN was planned for December 12; however, BW Gold's understanding is that LDN and UFN stated a lack of interest in moving forward with this program. At the May 29, 2025 ELoMC meeting, UFN indicated a preference for a program in which hunting crews get samples and meat is donated to the communities. Questions regarding the potential for a hair snare program or samples from a wolf bounty hunt were also raised; however, neither option appears to be suited for providing samples of meat that are consumed by people as country foods and may add additional uncertainty to the CFMP monitoring program if non-country foods are sampled for tissue metals. In light of this, the changes proposed to the program in 2025 will not be implemented. This component of the small mammal sampling program will be reviewed as part of the next CFMP update.

Next steps in the adaptive management process for the program is review of options to improve participation or program adaptations.

3.4 AIR QUALITY

Monitoring methodology for air quality is described in detail in Section 9.3 of the AQFDMP (ERM 2025a) and in the *2025 BW Gold Annual PE-110650 Report* (Artemis Gold 2026). As described in Sections 2.1 and 2.4, CACs (including particulate matter PM₁₀ and PM_{2.5}, SO₂, NO₂,

and CO) are not COPCs for the CFMP based on the results of the CSM (Entia 2022a) and the HHRA (Entia 2022b), but are covered under the AQFDMP.

However, inhalable metals (i.e., metals attached to PM₁₀) were included as COPCs in the HHRA (Entia 2022b), are thus covered under the CFMP (ERM 2022). Inhalable metals will be estimated again (based on PM₁₀ data and concentrations of metals measured in dustfall) in 2026 as part of the monitoring program under the CFMP for early Operations.

4. DATA ANALYSIS RESULTS AND INTERPRETATION

As described in the CFMP, for surface water and country foods (including fish tissue), the assessment endpoints are based on comparisons of COPC concentrations measured during the monitoring period to predicted COPC concentrations (Predicted numeric performance metrics [NPMs]), baseline COPC concentrations (Baseline NPMs), and to human health-specific guidelines or standards (Guideline NPMs; Table 4-1) within a trigger response framework under the CFMP (Table 6.3-4 of the CFMP).

TABLE 4-1 MEASUREMENT AND ASSESSMENT ENDPOINTS

Measurement Endpoint	Assessment Endpoint
COPC concentrations in water, and country foods (fish tissue)	• Comparison of measured concentrations to predicted concentrations (Predicted NPMs) • Comparison of measured concentrations to baseline concentrations (Baseline NPMs) • Comparison of measured concentrations to applicable environmental media or tissue guidelines or country foods trigger benchmarks (Guideline NPMs) • Before-after-control-impact (BACI) analysis if a NPM is exceeded

Evaluation of results for the 2025 reporting period was performed as described in Section 5 of the CFMP. The evaluation intends to answer the following questions (see Section 5.1 of the CFMP for additional details):

- **Question 1:** Are COPC concentrations in environmental media and tissues different than were predicted in the predictive models and used in the HHRA?
 - Mean measured concentrations of COPCs in water and fish tissues in 2025 are compared to the Predicted NPM concentrations for Construction and Operations from the HHTAM report (ERM 2023b).
- **Question 2:** Are COPC concentrations in environmental media and tissues changing relative to baseline conditions due to Mine-related discharges or emissions?
 - Mean measured concentrations of COPCs in water and fish tissues in 2025 are compared to Baseline NPMs from the HHTAM report (ERM 2023b).
- **Question 3:** If concentrations are different than baseline and different than predicted, are the changes statistically significant or exceeding levels of concern (i.e., guidelines or human health-specific benchmarks)? What is the extent of Mine-related influence on COPC concentrations in environmental media and tissues?
 - For the first part of Question 3 (exceedance of levels of concern), mean measured concentrations of COPCS in water and fish tissues in 2025 are compared to Guideline NPMs from the HHTAM report (ERM 2023b).
- For the second part of Question 3 (what is the extent of Mine-related influence), BACI analysis is used to identify if there are statistically significant Mine-related changes to COPC concentrations in water and fish tissues between baseline (up until September 2022) and the Construction/Operation periods (October 2022 to December 2025).

The derivation of NPMs for answering Questions 1 to 3 and for defining action levels in the adaptive management framework was presented in the *Blackwater Gold Project: Human Health Triggers for Adaptive Management* (HHTAM) report (ERM 2023b), which was completed in May 2023. Reviewer comments for the HHTAM report were received from Northern Health on January 9, 2024 and from Shared Value Solutions on behalf of UFN/LDN and Health Canada at the end of January 2024. The NPMs and their derivation will be checked and revised, as necessary, as part of the update of the CFMP to version 2.0, which also includes an update to the HHRA. Future annual reports will consider any changes that will be made to triggers in the HHTAM report or the CFMP during the review process. However, the 2025 CFMP Annual Report uses the NPMs presented in the ERM (2023b) HHTAM report.

4.1 SURFACE WATER QUALITY

Tables for raw water quality data collected in 2025 are located in Appendix A.1. Laboratory certificates of analysis from ALS are provided in the 2025 AEMP Interpretive Report (ERM 2026a). Box plots illustrating summary statistics (median, percentile ranges, and potential outliers) for control and for impact sites for Baseline (2016 to October 2022) and Operation 2025 monitoring periods are presented in Appendix B.1.

4.1.1 DATA ANALYSIS

4.1.1.1 QUALITY ASSURANCE / QUALITY CONTROL

Sample Integrity, Storage, and Transport

General

During field sampling, standard sampling procedures were followed to preserve sample integrity and minimize the chances of cross-contamination. The field trips were completed safely with no environmental or safety incidents, and there were no additional concerns that would suggest the integrity of the samples would have been affected.

After delivery of the samples to the CALA-certified laboratory (ALS Laboratories, Burnaby, BC), a review of the sample receipt confirmation was completed to identify any issues that may have occurred during transport to the lab. The sample receipt confirmation indicated that the samples had been successfully delivered with no issues pertaining to sample and container integrity and all samples were analyzed within recommended holding times. One occurrence where analyses were not completed as requested was based on missing a thiocyanate sample bottle for the February 24, 2025 travel blank sample, but this did not impact the analysis of effects of data integrity.

Field Blanks, Travel Blanks, and Laboratory QA/QC Samples

Sampling and laboratory methods were completed in accordance with the AEMP, Version 2.0. Surface water quality sampling included the collection or carrying of 40 field blanks and 44 travel blanks in 2025 (Appendix C.1, Table C.1). With the exception of pH, concentrations of water quality parameters are expected to be less than the detection limit in the blank samples.

Measured parameters greater than the detection limit in field blanks represent potential sample contamination during sample preservation or contamination during field blank preparation. Measured parameters greater than the detection limit in travel blanks potentially represent contamination of samples in transit, contamination during laboratory analysis, or contamination during travel blank preparation.

In 2025, there were detectable values of acidity measured in 75% of the field and 68% of the travel blanks with detectable values being equal to or 1.3 times greater than the DL (2 mg/L; reported in Appendix A-5 of the 2025 AEMP Interpretative Report (ERM 2026a)). Detections of acidity were common in the field and travel blanks, which reflects dissolved CO₂ in the laboratory supplied water and not sample contamination.

Overall, other detectable concentrations were rarely observed (<1% of the 8,010 observations) in the field (12 detections) and travel (7 detections) blanks. All detectable field blank observations, except for one, less than five times the DL: three total alkalinity (1.2 to 1.4 times the DL), six ammonia (1.2 to 2 times the DL), one thiocyanate (1.1 times the DL), and one dissolved aluminum (4.4 times the DL); as well as one dissolved tin detection that was 8.5 times the DL. Travel blank detections were all less than five times the DL: two total alkalinity (1 and 1.1 times) the DL, one nitrite (1.1 times the DL), one thiocyanate (1.1 times the DL), one total chromium (1.4 times the DL) one total manganese (1.3 times the DL), and one dissolved aluminum (equal to the DL). The field and travel blanks results indicate that the field sampling and handling procedures were successful at mitigating sample contamination.

At the start of each lake sampling event, for each water sampler used, an equipment blank was collected from the water sampler prior to collecting lake water quality samples. In 2025, five equipment blanks were collected. Similar to the field and travel blanks and to be expected, detectable concentrations for acidity were measured in 60% of the equipment blanks and equal to or 1.2 times greater than the DL. Other detectable concentrations were infrequent in the equipment blanks (3% of 450 observations) and all observations were less than five times the DL. Equipment blank detections included: one total aluminum, one total zinc, and one dissolved copper observation (1.1 to 1.5 times the DL); all five total manganese (1.4 to 2.2 times the DL); three dissolved manganese (1 to 3 times the DL); and four dissolved zinc observations (1.2 to 3.5 times the DL; Appendix C.1).

Overall, the results suggest that field and travel blanks collected during the reporting period indicate that field sampling procedures were successful at avoiding sample contamination.

While the laboratory noted a few instances of method blank values, internal duplicate, matrix spikes, control sample recovery, and parameter frequency laboratory targets not being met, these checks overall met ALS Laboratories data quality objectives for internal QA/QC, and the report was issued and distributed by ALS Laboratories without further comment.

Duplicates and Relative Percent Difference (RPD)

The RPD results for stream and lake water quality field duplicates are presented in Appendix C.

A total of 53 field duplicates were collected at stream sites and 1,883 RPDs were calculated (Appendix C.2, Table C.2). Of the calculated RPDs, 2.6% (n = 48) were in the range of 20% to

50%, and 1.1% (n = 21) were greater than 50%. There were 18 parameters with an RPD between 20% and 50%: total alkalinity, conductivity, turbidity, total Kjeldahl nitrogen, total phosphorus, dissolved orthophosphate, total organic carbon, total aluminum, total barium, total cobalt, total iron, total manganese, total titanium, total uranium, dissolved aluminum, dissolved manganese, dissolved molybdenum and dissolved titanium. The RPDs between 20 and 50% most frequently occurred for total (17%) and dissolved (13%) aluminum and the remaining parameters contributed 2 to 8%. Parameters with RPDs higher than 50% included: nitrate-N, total phosphorus, total aluminum, total iron, total manganese, total titanium, dissolved barium, and dissolved manganese. The RPDs higher than 50% occurred most frequently for total manganese (29%) and total aluminum (24%), and total iron (19%).

Overall there were no clear temporal and spatial patterns in the RPD calculations for parameters with an RPD greater than 20%. Calculated RPDs between 20 and 50% were present in duplicates collected in each month (3 to 13%), with the exception of December when no RPD was greater than 20%. RPDs greater than 50% were mostly observed in September (43%), August (14%), November (14%), and December (15%) and occasionally in April, May, and October (5% each). The RPDs between 20 and 50% occurred infrequently ($\leq 10\%$) at sites 661-01, 661-04, 661-10, 705-05, 705-10, CC-03, CC-05, CC-20, CC-30, CC-40 and 661-20 and more frequently in CC-15 (21%), DC-05 (15%), and DC-20 (15%). The majority (38%) of RPDs greater than 50% occurred at site 661-01 on September 24. Sites DC-15, DC-20, and 661-20 each accounted for 14% frequency of the RPDs greater than 50% and more infrequently 661-10, 705-10, CC-15, and DC-05 accounted for 5% each.

A total of three field duplicates were collected at lake sites and 97 RPDs were calculated (Appendix C.3, Table C.3). Of the calculated RPDs, 1 RPD was in the range of 20% to 50% and 1 RPD was greater than 50%. For the primary and duplicate sample KL-01 deep on February 5, 2025, the nitrate-N RPD was 20% and total phosphorus RPD was 51%.

Although there was some minor heterogeneity of water collected, this is typical of natural water bodies and the field duplicate results indicate that sample collection was reproducible, and the water samples collected during the reporting period were representative of the water bodies at the time of sampling.

4.1.1.2 SUMMARY STATISTICS AND COMPARISON TO NPMS

The following sites are potential impact sites (see Table 3.1-1) as they are located downstream of the Mine: DC-05, DC-10, DC-15, DC-20, 661-03, 661-04, 661-05, 661-10, 661-20, TL-01, CC-05, CC-10, CC-15, CC-20, CC-30, CC-40, TC-05, TC-10, and TC-15. These sites were used to calculate the Baseline WQ NPM in the HHTAM report (Section 4.2.4 of ERM 2023). Summary statistics (minimum, mean, 95% UCLM, median, 95th Percentile, and maximum) for water quality during the monitoring period at the impact sites are calculated, and the mean is concentration is compared to the Baseline and drinking water quality (WQ) Guideline NPM derived in the HHTAM report (ERM 2023b).

However, only a subset of these sites were included in the HHRA (Entia 2022b) and in the calculation of Predicted WQ NPMs in the HHTAM (Section 4.3.4 of ERM 2023b). The sites used in

the calculation of the Predicted WQ NPMs were based on sites with assessment nodes in the surface water quality model (Lorax 2022; assessment nodes listed in Table 4.1-1). Turtle Creek sites were not modelled in the surface water quality or fish tissue models because concentrations of COPCs were not predicted to change due to the Mine (Mine activities and infrastructure in Turtle Creek is limited to the airstrip, which has not yet been constructed). Some sampling sites in Creek 661 were added to the AEMP and CFMP sampling programs after surface water quality modelling was completed, so there weren't corresponding assessment nodes in the surface water quality model for these new sites. As the surface water quality (SWQ) model used different assessment node names than the CFMP program, Table 4.1-1 provides the names of water quality model assessment nodes and the corresponding CFMP monitoring sites.

Table 4.1-2 provides summary statistics for water quality during the monitoring period at the impact sites that were included as assessment nodes in the SWQ predictive model and compares the mean concentrations to the Predicted WQ and WQ Guideline NPMs.

Table 4.1-3 provides summary statistics for water quality during the monitoring period at all impact sites within the CFMP study area and compares the mean concentrations to the Baseline WQ and WQ Guideline NPMs.

Box plots illustrating the range of parameter concentrations in baseline and during monitoring across the study area at control and impact sites are in Appendix B.1. 2025 summary statistics for COPCs at all sites across the CFMP study area and at control sites are tabulated in Appendix B.2.

TABLE 4.1-1 SURFACE WATER QUALITY MODEL ASSESSMENT NODES AND CFMP SAMPLING SITES

Watershed	Water Quality Model Assessment Node (Lorax 2022)	CFMP Monitoring Site Name
Davidson Creek	WQ28	DC-05
	WQ27	DC-10
	WQ26	DC-15
	WQ7	DC-20
Creek 661	WQ3	661-05
	WQ5	661-10
	WQck661	661-20
Chedakuz Creek	WQ8 (also used to represent Tatelkuz Lake)	CC-10
	WQ9	CC-15
	WQ13	CC-20
	Chedakuz Midway	CC-30
	Chedakuz Outlet	CC-40

TABLE 4.1-2 SUMMARY STATISTICS OF COPC CONCENTRATIONS IN SURFACE WATER AT SURFACE WATER QUALITY MODEL ASSESSMENT NODE SITES, 2025

COPC	n > DL	% > DL	Summary Statistics of COPC Concentrations in Surface Water for Assessment Node Sites ^a (n = 197; mg/L)						Predicted WQ NPM (mg/L)	WQ Guideline NPM ^b (mg/L)
			Minimum	Mean	95% UCLM	Median	95 th Percentile	Maximum		
Aluminum	196	99.5	<0.003	<i>0.18</i>	0.22	0.10	0.71	1.25	0.15	2.9
Antimony	24	12.2	<0.0001	-	-	-	-	0.00018	0.0025	0.006
Arsenic	197	100	0.00046	0.00097	0.0011	0.0008	0.0019	0.0056	0.0012	0.01
Beryllium	42	21.3	<0.00002	-	-	-	-	0.000063	0.000075	0.008
Cadmium	89	45.2	<0.000005	0.0000089	0.000010	0.0000030	0.000033	0.000054	0.000033	0.005
Chromium	40	20.3	<0.0005	-	-	-	-	0.0022	0.00046	0.05
Cobalt	110	55.8	<0.0001	0.00029	0.00037	0.00012	0.0013	0.0030	0.00030	0.001
Copper	76	38.6	<0.0005	0.00046	0.00051	0.00025	0.0010	0.0016	0.00053	1.5
Iron	196	99.5	<0.01	<i>0.33</i>	0.36	0.25	0.68	1.82	0.19	6.5
Lead	95	48.2	<0.00005	0.00012	0.00015	0.000047	0.00055	0.0012	0.00014	0.005
Lithium	0	0	<0.001	-	-	-	-	<0.001	0.011	0.008
Manganese	197	100	0.0031	0.029	0.032	0.025	0.07	0.11	0.064	0.12
Mercury	21	10.7	<0.000005	-	-	-	-	0.0000091	0.0000080	0.001
Molybdenum	197	100	0.00016	0.00069	0.00073	0.00069	0.00099	0.0012	0.0013	0.088
Nickel	24	12.2	<0.0005	-	-	-	-	0.0010	0.00056	0.08
Selenium	147	74.6	<0.00005	0.000062	0.000067	0.000064	0.00011	0.00021	0.00018	0.01
Thallium	8	4.1	<0.00001	-	-	-	-	0.000015	0.000037	ng
Zinc	41	20.8	<0.003	-	-	-	-	0.012	0.0051	3.0

Notes:

COPC = contaminant of potential concern; n = number of samples; DL = detection limit; % = percent of samples; mg = milligrams; L = litres; 95% UCLM = 95% upper confidence limit of the mean; WQ = water quality; NPM = numeric performance metric; ng = no drinking water quality guideline or standard is available.

Data collected between January 1, 2025 and December 31, 2025 were included in the calculation of summary statistics.

Concentrations measured to be less than the DL were replaced with concentrations of 0.5 x DL for the purpose of calculating summary statistics.

"-" means that summary statistics, other than the minimum and maximum, have not been calculated as less than 30% of samples were above DL.

The 95% UCLM was calculated using bootstrapping methods, which are free of parametric assumptions.

^a Sites: DC-05, DC-10, DC-15, DC-20, 661-05, 661-10, 661-20, CC-10, CC-15, CC-20, CC-30, and CC-40.

^b NPM concentrations from Table 4.4-3 of the HHTAM report (ERM 2023b).

^c WQ Guideline NPM = drinking water quality guideline which is the lowest (most conservative) of the BC Contaminated Sites Regulation (B.C. Reg. 375/96) Schedule 3.2 Drinking Water Standards, the BC Source Drinking Water Guideline (BC ENV 2020), and the Health Canada Drinking Water Quality Guideline (Health Canada 2022).

Italicized font and grey shading denotes a mean concentration greater than the Predicted WQ NPM.



TABLE 4.1-3 SUMMARY STATISTICS OF COPC CONCENTRATIONS IN SURFACE WATER AT IMPACT SITES, 2025

COPC	n > DL	% > DL	Summary Statistics of COPC Concentrations in Surface Water, Impact Sites ^a (n = 230; mg/L)						Baseline WQ NPM ^b (mg/L)	WQ Guideline NPM ^{b, c} (mg/L)
			Minimum	Mean	95% UCLM	Median	95 th Percentile	Maximum		
Aluminum	228	99.1	<0.003	<i>0.17</i>	0.20	0.090	0.66	1.25	0.11	2.9
Antimony	35	15.2	<0.0001	-	-	-	-	0.00018	0.000062	0.006
Arsenic	230	100	0.00024	<i>0.00093</i>	0.0010	0.00076	0.0018	0.0056	0.00081	0.01
Beryllium	53	23.0	<0.00002	-	-	-	-	0.000063	0.000036	0.008
Cadmium	108	47.0	<0.000005	<i>0.0000089</i>	0.000010	0.0000030	0.000032	0.000054	0.000006	0.005
Chromium	48	20.9	<0.0005	-	-	-	-	0.0022	0.00038	0.05
Cobalt	119	51.7	<0.0001	0.00024	0.00030	0.000050	0.0012	0.0030	0.000072	0.001
Copper	87	37.8	<0.0005	0.00045	0.00049	0.00025	0.0010	0.0016	0.00063	1.5
Iron	227	98.7	<0.01	<i>0.31</i>	0.35	0.25	0.68	1.82	0.22	6.5
Lead	113	49.1	<0.00005	<i>0.00011</i>	0.00014	0.000025	0.00046	0.0012	0.000050	0.005
Lithium	0	0	<0.001	-	-	-	-	<0.001	0.00062	0.008
Manganese	230	100	0.0015	<i>0.029</i>	0.031	0.025	0.070	0.11	0.026	0.12
Mercury	27	11.7	<0.000005	-	-	-	-	0.000010	0.0000044	0.001
Molybdenum	230	100	0.00014	0.00068	0.00070	0.00068	0.00099	0.0012	0.00074	0.088
Nickel	30	13.0	<0.0005	-	-	-	-	0.0010	0.00038	0.08
Selenium	168	73.0	<0.00005	0.000062	0.000066	0.000063	0.00011	0.00021	0.000068	0.01
Thallium	9	3.90	<0.00001	-	-	-	-	0.000015	0.0000064	ng
Zinc	58	25.2	<0.003	-	-	-	-	0.015	0.0023	3.0

Notes:

COPC = contaminant of potential concern; n = number of samples; DL = detection limit; % = percent of samples; mg = milligrams; L = litres; 95% UCLM = 95% upper confidence limit of the mean; WQ = water quality; NPM = numeric performance metric; ng = no drinking water quality guideline or standard is available.

Data collected between January 1, 2025 and December 31, 2025 were included in the calculation of summary statistics.

Concentrations measured to be less than the DL were replaced with concentrations of 0.5 x DL for the purpose of calculating summary statistics.

"-" means that summary statistics, other than minimum and maximum, have not been calculated as less than 30% of samples were above DL.

The 95% UCLM was calculated using bootstrapping methods, which are free of parametric assumptions.

^a Sites: DC-05, DC-10, DC-15, DC-20, 661-03, 661-04, 661-05, 661-10, 661-20, CC-05, CC-10, CC-15, CC-20, CC-30, CC-40, TC-05, TC-10, TC-15, and TL-01.

^b NPM concentrations from Table 4.4-3 of the HHTAM report (ERM 2023b).

^c WQ Guideline NPM = drinking water quality guideline which is the lowest (most conservative) of the BC Contaminated Sites Regulation (B.C. Reg. 375/96) Schedule 3.2 Drinking Water Standards, the BC Source Drinking Water Guideline (BC ENV 2020), and the Health Canada Drinking Water Quality Guideline (Health Canada 2022).

Italicized font and *grey shading* denotes a mean concentration greater than the Baseline WQ NPM.

To answer Question 1 (whether COPC concentrations in environmental media are different than were predicted in the SWQ predictive model (Lorax 2022) and used in the HHRA), analysis results in Table 4.1-2 indicate that mean concentrations of all COPCs were at or below the Predicted WQ NPM, except for total aluminum and iron. In 2023 and 2024, total aluminum, chromium (2024 only), copper, iron, and lead (2024 only) exceeded the Predicted WQ NPM, indicating that there is an overall decrease in the concentration of chromium, copper, and lead in the study area at SWQ model node sites and that these parameters are not exceeding the level predicted in the HHRA in 2025. Mean aluminum and iron concentrations also decreased from 2023 and 2024 to 2025, with mean aluminum concentrations at WQ model node sites (0.17 mg/L) only marginally exceeding the Predicted WQ NPM (0.15 mg/L).

As discussed in Section 2.3.1 of the AEMP 2025 Interpretative Report (ERM 2026a), concentrations in 2025 that were greater than predicted in the SWQ predictive model are likely related to the 2024 construction activities (e.g., discharge from TSFC-SCP), the 2023 and 2024 wildfires, and 2025 Mine activities. The potential for Mine-related changes in water quality during construction phase are primarily through increases in TSS and particulate-bound metals due to earthworks activities, which are not accounted for in source terms used in the mass-balance surface water quality model (ERM 2026a). TSS and particulate-bound metals associated with the wildfires are also not accounted for in the SWQ predictive model on in pre-Construction baseline data, as the wildfires occurred after baseline data collection was completed and the SWQ predictive model was developed.

Unrecovered seepage from the IECD (which is a Mine-related source of COPCs in 2025, Sections 1.2.1.3 and 1.2.1.6) was predicted by the SWQ predictive model to enter Davidson Creek in Year 5 of Operations phase. However, the model seepage rate sensitivity scenarios completed in the SWQ predictive modelling highlighted that additional management and mitigations may be required to mitigate the potential for WQG-AL exceedances (Lorax 2022). Future updates to the model are expected to reflect changes in mitigation and management measures and changes in the Mine plan (e.g., delay in the FWR construction and discharge to the receiving environment).

To answer Question 2 (whether COPC concentrations in environmental media are changing relative to baseline conditions due to Mine-related discharges or emissions), Table 4.1-3 indicates that mean concentration of total aluminum, arsenic, cadmium, iron, lead, and manganese are greater than the Baseline WQ NPM; however, arsenic, cadmium, lead, and manganese concentrations are not greater than what was predicted by the SWQ model (Table 4.1-2). The same parameters (except manganese) also had mean concentrations higher than the Baseline WQ NPM in 2023 and 2024.

To answer Question 3 regarding whether changes in COPC concentrations were statistically significant, a BACI analysis was completed for the two parameters that had mean concentrations higher than both the Baseline and Predicted WQ NPMs. The BACI analysis was completed to determine if there were Mine-related effects on concentrations of total aluminum and iron at impact sites downstream of the operations activities (see Section 4.1.1.3 for BACI methods and results and Section 4.1.2 for interpretation of the data).

To answer the second part of Question 3, mean concentrations of all COPCs at impact sites were below the WQ Guideline NPMs in 2025 (Table 4.1-2 and 4.1-3), including the mean concentrations

of the two parameters that had mean concentrations higher than both the Predicted and Baseline WQ NPMs (i.e., total aluminum and iron). Therefore, COPC concentrations in surface water do not exceed levels of concern for human health and effects to human health would not be expected.

Maximum concentrations of only one COPC, total cobalt, were higher than the WQ Guideline NPM in Davidson Creek (DC-05, DC-10, DC-15, DC-20) in Q3 and Q4 of 2025 (Appendix A.1 and Appendix B.1, Figure B.1-2c). The increase in total cobalt concentrations in Davidson Creek compared to the Q3 and Q4 baseline concentrations and 2023 and 2024 concentrations at DC-05 and DC-10 may be attributable to Mine activities, specifically from unrecovered seepage from the IECD (ERM 2026a). Concentrations at DC-15 and DC-20 for total cobalt were also greater in Q3 and Q4 2025 when compared to baseline, however, the level of change was not as large at these sites further downstream on Davidson Creek when compared to DC-05 (ERM 2026a).

4.1.1.3 SUMMARY OF RESULTS OF COMPARISONS WITH NPMS

Table 4.1-4 provides a summary of the parameters that had mean concentrations in surface water that were higher than the Predicted WQ, Baseline WQ, or WQ Guideline NPMs during the 2025 monitoring period.

TABLE 4.1-4 SUMMARY OF COPCS WITH MEAN CONCENTRATIONS HIGHER THAN NPMS

Parameters of Concern with Mean Concentrations Higher than the:		
Predicted WQ NPMs	Baseline WQ NPMs	WQ Guideline NPMs
Aluminum	Aluminum	None
Iron	Arsenic	
	Cadmium	
	Iron	
	Lead	
	Manganese	

4.1.1.4 BEFORE-AFTER CONTROL-IMPACT ANALYSIS

BACI analysis was completed if the mean measured concentrations of a COPC in surface water were higher than the Baseline and Predicted WQ NPMs (i.e., total aluminum and iron). BACI analyses were performed to test whether the increase in concentrations of total aluminum and iron in surface water at impact sites in 2025 were significant relative to concentrations at control sites or before Mine construction began.

Methodology

To further assess potential Mine-related effects on concentrations of selected COPCs in surface water, a BACI analysis was performed using R statistical computing package (R Development Core Team 2022). BACI analyses were completed for total aluminum and iron. Details of methodology and the results are provided in Appendix D.

Highly censored parameters are considered unreliable and are, therefore, not subjected to BACI analysis. Observations at or below the analytical DL were considered censored and data were excluded from the analysis if greater than 70% of observations from a site and greater than 50% of observations in a site's sampling year were below the DL.

The percent detection for all parameters across the entire study area during baseline and monitoring is illustrated on Figure B.1-1 in Appendix B.1. and in Appendix B.2, Table B.2-2. The percent detection per site and sampling year is shown in Appendix D. Analysis of the proportion of non-detect data identified that both total aluminum and iron had a sufficient number of observations higher than the DL (i.e., greater than 70% of observations overall) to be considered for BACI analysis.

The level of detection for total aluminum and iron in the study area overall was 98.4% and 95.7%, respectively. Twelve and 77 observations had to be excluded from the analysis for aluminum and iron, respectively, because they did not meet the criterion for sufficient number of samples higher than the detection limits in a site's sampling year to be included in the BACI analysis (Appendix D).

Duplicates were averaged and field and travel blanks were removed prior to analysis. Data transformations (e.g., log transformation) were completed if determined to be appropriate (e.g., to achieve random distribution of residuals). Outliers were identified but not removed prior to BACI analysis.

The standard approach to BACI used log-10 transformed data to assess potential impacts to water quality, where the mean of baseline data collected prior to the start of Construction ("before"; up to the end of September 2022) is compared to the mean of monitoring data after the start of Construction ("after"; October 2022 onward) at both control and impact sites. Water quality data were grouped into control sites and potential impact sites (as per Section 3.1). The main statistic of interest in a BACI analysis is an ANOVA interaction term (Before-After $\times$ Control-Impact, or BA $\times$ CI), which would be significant when a change occurs at the impact site but not at the control site (Smokorowski and Randall 2016).

Results

Box plots illustrating parameter concentrations in baseline and during monitoring across the study area at control and impact sites are in Appendix B.1. Consistent with the summary statistics presented for impact sites in Table 4.1-3, the box plots show that none of the COPCs have median concentrations that exceed the WQ Guideline NPM (blue dotted line) and provide a visual illustration of the variation in the data for each COPC. The center line of each box in the plot denotes the median value, while the box contains the interquartile range (IQR) of the dataset. The whiskers on the box plots extend to 1.5 $\times$ IQR, and the points beyond these upper and lower bounds may be outliers.

Appendix D shows the results of the BACI linear model for total aluminum and iron. The threshold for significance was assumed to be $p = 0.05$. The results indicate that the change in total aluminum and iron concentrations at impact sites from before start of Construction in October 2022 to after the start of Construction and into the first year of Operation was different than from the change in

concentrations at the control sites, and that the change was statistically significant for both parameters (*adjusted p* = 2.09×10^{-11} for aluminum and *adjusted p* = 4.85×10^{-4} for iron).

4.1.2 DATA INTERPRETATION—SURFACE WATER QUALITY MONITORING

As concentrations of total aluminum and iron were shown in BACI analysis to be significantly different at impact sites compared to concentrations at control sites since start of Construction, it is likely that 2025 Operation activities have contributed to the change in concentrations of total aluminum and iron in surface water. The largest increases in concentration of total aluminum and iron, which are the drivers of the elevated mean concentration across impact sites, were observed in Davidson Creek and Creek 661 (Appendix B.3, Figures B.3-1a, B.3-1b, B.3-2a, and B.3-2b).

Concentrations of aluminum in Davidson Creek (DC-05, DC-10) increased in Q1 and Q2 of 2025, with highest concentrations observed in Q3 of 2025 (Appendix B.3, Figure B.3-1a). On average, total aluminum concentrations at impact sites across the CFMP study area were lower in 2025 compared to 2024 (mean concentration of 0.17 mg/L for 2025 shown in Table 4.1-3 vs. a mean concentration of 0.31 mg/L in 2024 shown in Table 4.2-3 of ERM (2025c)). Similarly, mean total iron concentrations at impact sites across the study area were also lower in 2025 (0.31 mg/L; Table 4.1-3) than in 2024 (0.37 mg/L; Table 4.2-3 in ERM (2025c)). These results suggest that effects on water quality in Davidson Creek in 2025 were reduced following the last discharge from the TSF-C-SCP in December of 2024.

For total iron, concentrations observed at DC-20 were higher than the concentrations at upstream sites, indicating that the total iron concentrations measured at DC-20 are not entirely related to sources of total iron in the upper Davidson Creek watershed or from Mine activities. A similar conclusion was made in 2024 with iron concentrations associated with cattle grazing occurring adjacent to the site (ERM 2025c). A transient peak of total iron at site 661-10 in Creek 661 in Q3 of 2025 was also unlikely to be Mine-related as upstream locations closer to the mine site did not experience a similar peak in concentration; rather, a similar transient peak was observed at some of the regional sites (e.g., site 705-05) during the same period.

Differences between the baseline concentrations and the 2025 concentrations for total aluminum and total iron beginning in Q1 and Q2 was likely associated with the TSS release and non-contact water diversions of overland flow from the 2023 fire-impacted upper Davidson Creek watershed via the CDS to the WMP. This non-contact water from the WMP was conveyed intermittently throughout 2025 to the former Davidson Creek, upstream of the future FWR.

The March 2025 release of TSS laden water into Davidson Creek (see Section 1.2.1.6) also likely contributed to elevated concentrations in Q1 2025 when compared to baseline. The logging activity that was completed upstream of Davidson Creek in May/June 2025 also likely contributed to elevated concentrations in Q2 and Q3 2025 when compared to baseline. Similar trends in concentration (i.e., higher concentrations in Q3 and Q4) were observed for TSS and turbidity (ERM 2025c). The 2025 stream discharge records in Davidson Creek indicated short-duration flow fluctuations associated with the Mine water management/pumping activities and the largest prolonged rainfall event recorded in August 2025 (KP 2026). The fluctuations and precipitation events typically lead to increased runoff of TSS laden water and associated total metals (e.g., total

aluminum). Other 2025 high rainfall events recorded at the Mine meteorology stations occurred during the period of May 17 and 18, July 30, and August 2.

Transient increases in concentrations of total aluminum and iron in Creek 661 at 661-03, 661-04, and 661-05 occurred between February and June 2025 (Appendix B.3, Figures B.3-1b and B.3-2b). The elevated concentrations of total aluminum and iron observed at the end of Q1 2025 at site 661-05 and 661-10 may be correlated with an elevated concentration of TSS and turbidity (see ERM 2026a), which can be indicative of some dust or particle erosion. Potential sources of total aluminum and iron may be from the ore stockpile dust plume from the Plant Site (see Section 1.2.2.1), early snowmelt conditions that may have impacted new infrastructure at the Mine site, or run-off from wildfire-impacted areas upstream of Creek 661.

Sediments at site 661-05 had levels of cadmium and zinc (but not aluminum or iron) higher than the medium and high AEMP action levels, respectively, which were attributed to dusting from the ore stockpile and to 2023/2024 wildfire events (AEMP 2026a). Concentrations of cadmium and zinc were relatively higher in snow core meltwater collected after the dust event (Lorax 2025) compared to baseline surface water concentrations in Creek 661 and, thus, observed changes in concentrations of these metals at 661-05 can be attributed to ore stockpile dust. However, concentrations of aluminum and iron were lower in snow core meltwater compared to background concentrations at 661-05 and, therefore, ore stockpile dust was less likely to have impacted concentration of these parameters in Creek 661.

The 2023 and 2024 wildfires occurred in areas upstream of Creek 661 and in the immediate vicinity of site 661-20 (Figure 3.1-1). Thus, changes in water quality in Creek 661 may be related to the wildfires when it cannot be confirmed they were related to construction or 2025 Mine activities. Greater concentrations of TSS and some total metals in surface water (e.g., total aluminum and iron) beginning with the 2025 snowmelt in late March and freshet conditions may be directly related to the 2023 and 2024 wildfire impacts to Creek 661 (ERM 2026a) or early snowmelt impacting new infrastructure at the Mine site.

Concentrations of total aluminum and iron in Q3 and Q4 2025 were similar to concentration in baseline years, indicating the change in their concentrations was transient and not persistent through 2025.

Confounding factors that can affect surface water quality in the study area downstream of the Mine are wildfires, agriculture, and logging activities (e.g., in lower Davidson Creek around DC-20). Land use activities north of Tatelkuz Lake and seasonal variation (spring freshet) may affect total metal concentrations in mid- and far-field impact sites on Chedakuz Creek (e.g., a transient increase in total aluminum concentrations at CC-15, CC-20, CC-30, CC-40 during the first half of 2025, similar to 2024, Appendix B.3, Figure B.3-1c) and are not indicative of Mine-related effects.

4.2 FISH TISSUE QUALITY

4.2.1 DATA ANALYSIS

4.2.1.1 QUALITY ASSURANCE/QUALITY CONTROL

During field sampling, standard sampling procedures were followed to preserve sample integrity and minimize the chances of cross-contamination. The field trips were completed safely with no environmental or safety incidents, and there were no additional concerns that would suggest the integrity of the samples would have been affected.

After delivery of the samples to the CALA-certified laboratory (ALS Laboratories, Burnaby, BC), a review of the sample receipt confirmation was completed to identify any issues that may have occurred during transport to the lab. The sample receipt confirmation indicated that the laboratory completed quality control analysis (method blanks, laboratory certified material, and reference material) and results indicated the data quality objectives were met. Twenty-one certificates of analysis were issued for fish tissue metal testing. Samples were received and analyzed by ALS prior to hold time exceedances.

All laboratory control samples and reference materials were within the quality control limits, and all method blank concentrations were below the analytical detection limit. Most laboratory replicates met the quality control objectives for precision in batches. Overall, the laboratory data quality objectives for internal QA/QC were met, and the reports were issued and distributed without further comment. Certificates of analysis, including complete results from laboratory QA/QC checks, can be made available upon request. No outliers were identified in regressions and Q-Q plots were completed for statistical analysis (ERM 2026a).

4.2.1.2 SUMMARY STATISTICS AND COMPARISON TO NPMS

Raw 2025 fish tissue metal data are located in Appendix A.2. Graphical presentation of the 2025 data in comparison to fish tissue metal data collected in 2021 through 2024 are provided in Appendix B.4.

In 2023, sample designations for Davidson Creek sites DC-05 and DC-15 changed to DC-9/DC-05 and DC-5/DC-15, respectively, as those sites are both AEMP (and CFMP) and DS Condition 3.14 sites. To clarify, site ID DC-5 (under DS 3.14) is the same as DC-15 (under the AEMP/CFMP) and site ID DC-9 (under DS 3.14) is the same as DC-05 (under the AEMP/CFMP). Data presented in Appendix A.2 for sites DC-5 and DC-9 follow the nomenclature of the DS Section 3.14 sampling program instead of the AEMP/CFMP sampling programs.

Table 4.2-1 provides summary statistics for COPC concentrations in fish samples from impact sites that were used to calculate the Baseline and Predicted Fish Tissue NPMs in the HHTAM report (ERM 2023b). This includes sites in Davidson Creek (DC-05, n = 8 RB; DC-15, n = 8 RB), Creek 661 (661-05, n = 7 RB; 661-10, n = 8 RB) and Tatelkuz Lake (TL-01, n = 8 RB and n = 8 MW). Results are discussed in detail in the *2025 AEMP Interpretive Report* (ERM 2026a), including for fish sampled at sites that were not included in the calculation of Baseline and Predicted Fish Tissue NPMs (e.g., control sites).

TABLE 4.2-1 SUMMARY STATISTICS FOR COPC CONCENTRATIONS IN FISH TISSUE AT IMPACT SITES, 2025

COPC	n > DL	% > DL	Summary Statistics of COPC Concentrations in Fish Tissues, Impact Sites ^a (n = 47; mg/kg ww)							
			Minimum	Mean	Standard Deviation	Standard Error	95% UCLM	Median	95 th Percentile	Maximum
Aluminum	35	74.5	< 0.40	8.90	12.4	1.81	12.5	2.14	29.6	57.8
Antimony	7	14.9	< 0.0020	-	-	-	-	-	-	0.00410
Arsenic	47	100	0.0051	0.0580	0.0430	0.00600	0.0710	0.0516	0.141	0.175
Beryllium	1	2.13	< 0.0020	-	-	-	-	-	-	0.00200
Cadmium	31	66.0	< 0.0010	0.0170	0.0160	0.00200	0.0220	0.0119	0.0415	0.0461
Chromium	30	63.8	< 0.010	0.0250	0.0230	0.00300	0.0310	0.0200	0.0652	0.0940
Cobalt	32	68.1	< 0.0040	0.0250	0.0240	0.00300	0.0320	0.0223	0.0653	0.0925
Copper	47	100	0.242	0.830	0.418	0.0610	0.953	0.910	1.48	1.87
Iron	47	100	3.04	20.0	15.6	2.28	24.6	17.1	48.6	70.0
Lead	27	57.4	< 0.0040	0.0110	0.0120	0.00200	0.0140	0.0063	0.0358	0.0532
Lithium	0	0	< 0.10	-	-	-	-	-	-	< 0.10
Manganese	47	100	0.0680	3.29	3.17	0.46	4.22	3.33	8.18	13.5
Mercury	47	100	0.0207	0.0750	0.0290	0.00400	0.0840	0.0762	0.123	0.148
Molybdenum	31	66.0	< 0.0040	0.0140	0.0100	0.00100	0.0170	0.0155	0.0282	0.0456
Nickel	7	14.9	< 0.040	-	-	-	-	-	-	0.0710
Selenium	47	100	0.104	0.346	0.213	0.0310	0.408	0.364	0.7804	0.925
Thallium	47	100	0.000560	0.00400	0.00200	0.00	0.00500	0.00446	0.00687	0.00739
Zinc	47	100	3.24	17.8	10.2	1.49	20.8	22.6	29.3	38.1

Notes:

COPC = contaminant of potential concern; n = number of samples; DL = detection Limit; % = percent of samples; 95% UCLM = 95% upper confidence limit of the mean; mg = milligrams; kg = kilograms; ww = wet weight.

Concentrations measured to be < DL were replaced with concentrations of 0.5 x DL for the purpose of calculating summary statistics.

"-" means that summary statistics, other than minimum and maximum, have not been calculated as 30% or less of samples were detectable (> DL).

^a Impact sites are in Davidson Creek (DC-05, DC-15), Creek 661 (661-05, 661-10), and Tatelkuz Lake (TL-01), consistent with the sites used to calculate the Baseline and Predicted Fish Tissue NPMs in the HHTAM (ERM 2023b).

Table 4.2-2 provides a comparison of the mean COPC concentration measured in fish tissue samples from impact sites (DC-05, DC-10, 661-05, 661-10, and TL-01) with the Baseline Fish Tissue, Predicted Fish Tissue, and Fish Tissue Guideline NPMs. As shown in Table 4.2-2, the mean concentrations of all COPCs in whole body and muscle of RT and MW were below the Baseline Fish Tissue, Predicted Fish Tissue, and Fish Tissue Guideline NPMs. Summary statistics (including the mean) were not calculated for antimony, beryllium, lithium, and nickel because their concentration in fish tissue were below the detection limit in 70% of samples; for these parameters, the maximum concentration were below the NPMs for fish.

Summary statistics for 2025 fish tissue samples from all sites across the study area and from control sites are included in Appendix B.5.

TABLE 4.2-2 MEAN COPC CONCENTRATIONS IN FISH TISSUE AT IMPACT SITES COMPARED TO NPMs FOR FISH TISSUE, 2025

COPC	Mean COPC Concentration in Fish Tissues ^a (n = 47; mg/kg ww)	Baseline Fish Tissue NPM ^b (mg/kg ww)	Predicted Fish Tissue NPM ^b (mg/kg ww)	Fish Tissue Guideline ^b NPM (mg/kg ww)
Aluminum	8.90	79	59	79
Antimony	0.00410 *	0.0058	0.390	0.050
Arsenic	0.0580	0.15	0.18	0.15
Beryllium	0.00200 *	0.0038	0.0035	0.55
Cadmium	0.0170	0.074	0.220	0.21
Chromium	0.0250	0.25	0.24	0.35
Cobalt	0.0250	0.076	0.420	0.064
Copper	0.830	2.0	2.2	30
Iron	20.0	132	134	132
Lead	0.0110	0.048	0.190	0.11
Lithium	< 0.10 *	0.12	2.40	0.11
Manganese	3.29	12	167	12
Mercury	0.0750	0.15	0.25	0.15
Molybdenum	0.0140	0.080	0.160	0.082
Nickel	0.0710 *	0.15	0.23	0.11
Selenium	0.346	1.1	1.2	1.8
Thallium	0.00400	0.011	0.028	0.011
Zinc	17.8	60	85	60

Notes:

COPC = contaminant of potential concern; NPM = numeric performance metric; mg = milligrams; kg = kilograms; ww = wet weight

Concentrations measured to be < DL were replaced with concentrations of 0.5 x DL for the purpose of calculating summary statistics.

* indicates that the mean concentration could not be calculated as 30% or less of samples had concentrations that were detectable and the maximum concentration is shown instead.

^a Mean concentration taken from Table 4.2-1.

^b Fish Tissue NPM concentrations from Table 4.4-4 of the HHTAM report (ERM 2023b).

4.2.1.3 BEFORE-AFTER CONTROL IMPACT ANALYSIS

A BACI analysis is only required when the mean fish tissue COPC concentration at impact sites is higher than Baseline NPM and Predicted Fish Tissue NPM concentration for that COPC. A BACI analysis was not performed for fish tissue because the mean fish tissue concentration in 2025 in fish sampled at impact sites was below the Baseline Fish Tissue NPM, the Predicted Fish Tissue NPM, and the Fish Tissue Guideline NPM for each COPC (see Section 4.2.1).

4.2.2 DATA INTERPRETATION—FISH TISSUE MONITORING

Because mean COPC concentrations (or maximum concentrations for antimony, beryllium, lithium, and nickel) are below the Baseline Fish Tissue NPM, the Predicted Fish Tissue NPM, and the Fish Tissue Guideline NPM, COPC concentrations in fish tissue are considered not to be different (or higher) relative to concentrations predicted by models and assessed in the HHRA. Therefore, no Mine-related adverse effects to human health would be expected from consumption of fish.

4.3 AIR QUALITY

A summary of the results of the air quality monitoring completed in 2025 is provided here. For more information on the air quality monitoring program, QA/QC, and results, please refer to the *2025 BW Gold Annual PE-110650 Report* (Artemis Gold 2026).

Generally, air quality monitoring was completed as required by EMA Permits PE-110640 and PE-110650, and the AQFDMP in 2025. The AQFDMP's particulate matter monitoring program was largely implemented as intended, with some opportunities identified in the *EMA Permit 110650 – Air Quality and Fugitive Dust Management Plan Review and Trigger Response Plan Review Memo* (ERM 2026b) to strengthen QA/QC practices based on reviews of raw and laboratory data files, audit/calibration records, and logs. The AQFDMP (Revision J.1, April 2025, Table 9.1-1) presents permit limits (for PM_{2.5} and PM₁₀), trigger levels, trigger concentrations, and management responses for air quality components, such as PM_{2.5} and PM₁₀, NO₂, and SO₂.

4.3.1 PARTICULATE MATTER

The Partisol sampler at the Operations Camp collected 85 PM samples between January 8 and December 27, 2025, with one sample (January 14) being invalid due to insufficient runtime of the sampler (ERM 2026b). Nine scheduled samples (January 1, January 7, January 13, February 6, March 2, July 3, July 30, October 19 and November 9, 2025) were not collected. Data are presented in the *Annual PE-110650 Report* (Artemis Gold 2026).

PM₁₀ and PM_{2.5} concentrations were higher than the PE-110650 Level 1, Level 2, or Level 3 trigger concentrations in the period between September 1 and 13, after which concentrations decreased to below the Level 1 trigger level and were non-detectable by September 25. PM₁₀ concentrations also exceeded the Level 2 Medium trigger level on June 9, 2025. These events were reported by BW Gold to the Ministry of Environment and Parks (BC ENV).

All measured exceedances for PM were attributed to wildfire smoke occurring in the region and outside of the control of the Mine, confirmed by results of four Purple Air monitors located around the Mine area, Regional Air Quality stations including the Vanderhoof Court House and Quesnel

Johnson Avenue (both operated by BC ENV²), along with wildfire related PM_{2.5} modelling at firesmoke.ca³ (Artemis Gold 2026; ERM 2026b).

4.3.2 NITROGEN DIOXIDE, SULFUR DIOXIDE, AND CARBON MONOXIDE

Results of the PASS sampling for SO₂, NO₂, or CO are presented in Artemis Gold (2026). The annual average of the 51 7-day exposure samples that were collected in 2025 did not exceed the annual BC Ambient Air Quality Objective for SO₂ and NO₂ (4 ppb and 12 ppb, respectively; the 7-day results do not directly compare to 1-hour standards and objectives due to the difference in time measurement).

In total, 27 2-week exposure samples were collected between December 31, 2024, and January 13, 2026, with the highest passive CO concentration being 1041 µg/m³ observed between June 3 to 17, 2025. All remaining results except for two observations between March 25 to April 8, 2025 (529 µg/m³) and August 26 to September 9, 2025 (687 µg/m³), were non-detect (< 500 µg/m³). Although not directly comparable due to differences in averaging times, the detectable concentrations are below the BCAAQO 1-hour (14,300 µg/m³) and 8-hour (5,500 µg/m³) objectives (rescinded in 2006, but still used as a reference).

4.3.3 METEOROLOGICAL CONDITIONS

Meteorological conditions, including air temperature, relative humidity, precipitation, wind speed and direction, barometric pressure, snow depth, and solar radiation are reported in the quarterly reports and Appendix 1-5 of the *2025 Annual Report for PE-110650 Report* for the Mine (Artemis Gold 2026).

² <https://envistaweb.env.gov.bc.ca/>

³ <https://firesmoke.ca/>

5. ADAPTIVE MANAGEMENT AND ACTION LEVELS

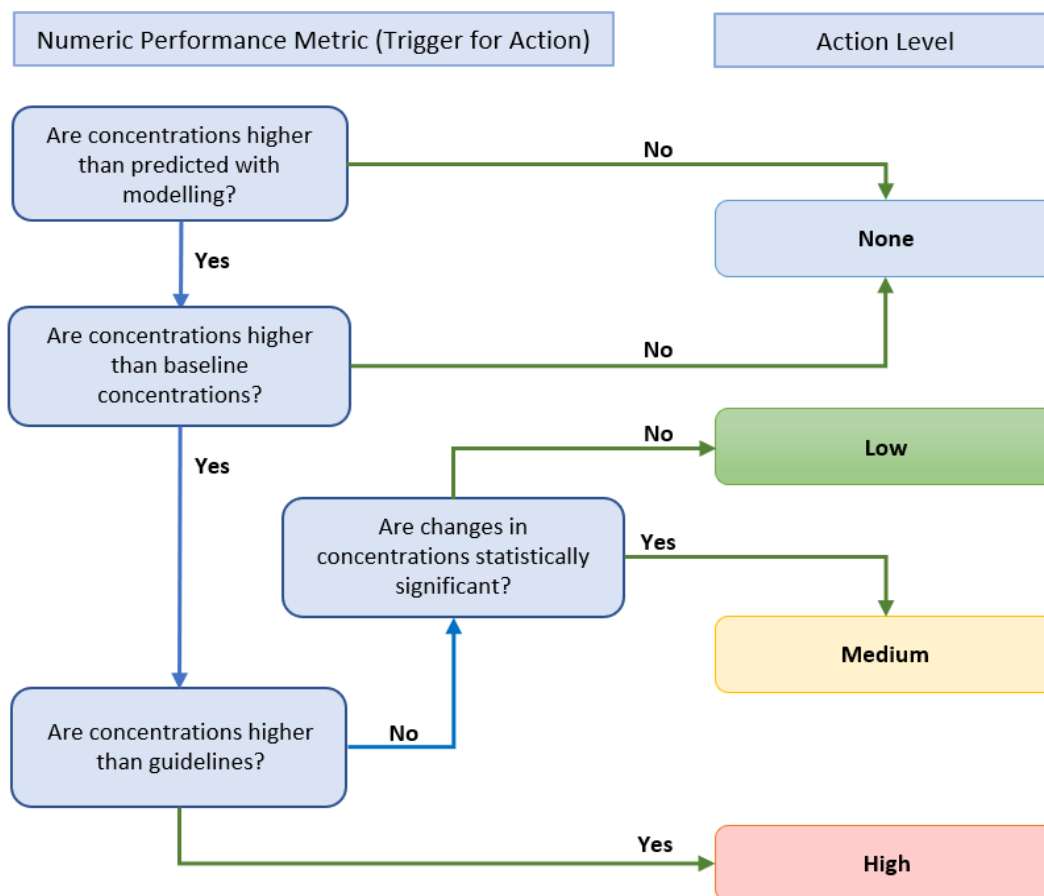
An adaptive management framework is provided in Section 6 of the CFMP. The following subsections describe the country foods trigger response framework (Section 5.1) and identify the action level under the CFMP adaptive management framework based on the monitoring data collected in 2025 (Sections 5.2 and 5.3).

5.1 COUNTRY FOODS TRIGGER RESPONSE FRAMEWORK

Triggers (based on NPMs) are provided at the following action levels of the adaptive management framework: none, low, medium, and high. The framework is intended to provide an early-warning system such that there is sufficient time to prevent adverse effects on human health when defined action levels are triggered.

An overview of the trigger response framework and action levels is provided in Figure 5.1-1. Note that Figure 5.1-1 has been modified slightly from the one shown in the CFMP Version 1.0 so that statistical significance is secondary to whether concentrations are higher than guidelines (i.e., a high action level is triggered if there are exceedances of guideline, baseline, and predicted NPMs, regardless of whether changes are identified to be statistically significant or not).

FIGURE 5.1-1 OVERVIEW OF ACTION LEVELS AND TRIGGERS (NUMERIC PERFORMANCE METRICS)



Additional details about the trigger response framework can be found in Section 6 of the CFMP. The human health Baseline, Trigger, and Guideline NPMs used in the trigger response framework are further described in the HHTAM report (ERM 2023f).

5.2 ACTION LEVEL BASED ON SURFACE WATER QUALITY MONITORING IN 2025

Mean COPC concentrations measured in surface water during the period from January 1 to December 31, 2025 were compared to WQ NPMs (Section 4.1.1.2, summarized in Tables 4.1-2 and 4.1-3). Mean concentrations of all COPCs at impact sites and at SWQ model assessment node sites were below the WQ Guideline NPMs; therefore, concentrations are below levels of concern for human health and no effects on human health would be expected.

Mean concentrations of aluminum, arsenic, cadmium, iron, lead, and manganese in surface water at impact sites were higher than the Baseline WQ NPM (Table 4.1-3) and mean concentrations of aluminum and iron in surface water at the SWQ model assessment node sites were higher than Predicted WQ NPMs (Table 4.1-2).

BACI analysis for COPCs for which mean concentrations exceeded both the Predicted and Baseline WQ NPM (i.e. total aluminum and iron) indicated that the changes in concentration at impact sites from the period before to after the start of Construction activities are significantly different than the changes at the control sites (Section 4.1.1.3 and Appendix D).

The differences in mean concentration of total aluminum and iron were predominately caused by changes in concentration observed in Davidson Creek and Creek 661 related to releases of TSS-containing water (to Davidson Creek) and impacts from dust (to Creek 661). For Davidson Creek, differences were likely associated with releases from the non-contact water diversions of overland flow from the 2023 fire-impacted upper watershed via the CDS to the WMP (and conveyed intermittently throughout 2025 to the former Davidson Creek upstream of the future FWR). The March 2025 release of TSS laden water into Davidson Creek also likely contributed to elevated concentrations of total aluminum and iron in Q1 2025 when compared to baseline. The clearing that was completed upstream of Davidson Creek in May/June 2025 also likely contributed to elevated concentrations in Q2 and Q3 2025 when compared to baseline.

Transient increases in concentrations of total aluminum and iron observed in Creek 661 at 661-03, 661-04, and 661-05 between February and June may be due to the impacts from early snowmelt impacting new infrastructure at the mine site and runoff from wildfire-impacted areas upstream of Creek 661. Increased concentrations of total aluminum and iron were also observed at 661-05 during the same time period in 2024. Concentrations at these sites in Creek 661 decreased back to baseline levels in Q3 and Q4, 2025.

As per Table 6.3-4 of the CFMP Version 1.0 (ERM 2022), other than the "None" trigger level, the determination of trigger level and recommendations for management responses for surface water quality is based on changes being observed in two or more consecutive years of monitoring. Two years of monitoring data for surface water and statistical comparisons are now available for total aluminum and iron and are summarized in Table 5.2-1.

TABLE 5.2-1 SUMMARY OF MONITORING RESULTS FOR COPC CONCENTRATIONS IN SURFACE WATER FOR TWO YEARS (2024 AND 2025) FOR DETERMINATION OF TRIGGER AND MANAGEMENT RESPONSES

Parameters of Concern	2024 Mean Concentrations were:	2025 Mean Concentrations were:
Aluminum Iron	- Higher than the Baseline WQ NPM; - Higher than the Predicted WQ NPM; - Less than the WQ Guideline NPM; and - Changes in concentration at the near-field sites from before to after the start of Construction were statistically different from changes at the control sites (as per BACI analysis, i.e., changes were statistically significant).	- Higher than the Baseline WQ NPM; - Higher than the Predicted WQ NPM; - Less than the WQ Guideline NPM; and - Changes in concentration at the near-field sites from before to after the start of Construction were statistically different from changes at the control sites (as per BACI analysis, i.e., changes were statistically significant).

The mean concentrations of total aluminum and iron were higher than the Predicted and Baseline WQ NPM in both 2024 and 2025 and BACI analyses were performed for both years. Changes in concentration at impact sites when compared to changes at control sites were determined to be significant for total aluminum and iron in 2024 and 2025.

The intent of the CFMP adaptive management framework is to trigger actions when there are Mine-related effects (i.e., statistically significant changes) that are higher than baseline and different from what were predicted (i.e., concentrations higher than Baseline and Predicted WQ NPMs). Therefore, based on the assessment of total aluminum and iron for two years of consecutive monitoring where the Baseline and Predicted WQ NPMs were exceeded in 2024 and 2025 and the change was statistically significant in both years, the trigger level is characterized as medium. Table 5.2-2 lists the trigger and management responses from the CFMP for the medium action level (ERM 2022).

TABLE 5.2-2 TRIGGER AND MANAGEMENT RESPONSE BASED ON METAL CONCENTRATIONS IN SURFACE WATER

Level	Trigger	Management Response
Medium	Water concentrations are increasing in a manner not predicted by the surface water quality model but are below levels of concern. Average measured parameter concentrations in water in two or more consecutive years are: - Higher than the predicted EPC plus 20%; <u>and</u> - Higher than the baseline trigger concentration plus 20%; <u>and</u> - Less than the BC DWGL, HC DWGL, and CSR DW; <u>and</u> - changes in concentration are statistically significant between near-field and control sites or compared to baseline conditions (BACI analysis).	- Identify causes of potential changes in water concentrations so that targeted mitigation can be identified. - Review and optimize existing mitigation. - Evaluate if new mitigation is feasible and how long it would take to implement. - Implement a water sampling program to define the magnitude, spatial extent, and reversibility of the effect. - Other applicable responses as defined in the AEMP report.

5.2.1 MANAGEMENT RESPONSE FOR SURFACE WATER QUALITY

There were no concerns about risk to human health as mean COPC concentrations in water did not exceed Guideline WQ NPMs.

The first management action at a medium action level is to identify the cause for observed changes in water concentrations so that targeted mitigation measures can be identified (if relevant). Cause investigation in response to the observations of the dusting-on-snow event in March 2025 at the Plant site identified the drop point at the ore stockpile as the source of the dust and mitigation and management actions were taken in 2025 as described in Section 1.2 (i.e., operational spray bars installed at the primary crusher, the conveyor, and the ore stockpile drop points; the secondary crusher was already enclosed, and therefore no spray bars were needed). The 2025 June to December total aluminum concentrations were typically similar to that observed in the same months during the baseline period. Thus, the mitigations that have already been applied to date appear to be successful and additional dust mitigation measures for the stockpile are being considered to further mitigate the potential for fugitive dust.

The probable cause of the increase in mean concentrations of total aluminum and iron for impact sites at the study area-wide level in 2025 is likely related to the contribution of particulate-bound metals from overland flow from the 2023 fire-impacted upper Davidson Creek watershed to Davidson Creek (either directly or via non-contact water diversions), the March 2025 TSS laden water release into Davidson Creek, and the clearing that was completed upstream of Davidson Creek in May/June 2025. Although mean concentrations did not exceed the Predicted WQ NPM for total cobalt, concentrations greater than the DWQG for cobalt beginning in June 2025 were observed in Davidson Creek that may be related to unrecovered seepage from the IECD.

Graphical analysis of the time series (Appendix B.3) indicates concentrations of total aluminum and iron at Davidson Creek sites were generally lower when compared to 2024 concentrations and iron concentrations trend toward baseline concentrations. This trend suggests the statistically significant effect on water quality in Davidson Creek in 2025 was reduced following the last discharge from the TSF-C-SCP in December of 2024.

No effects to human health from consumption of water are expected as mean aluminum and iron concentrations were approximately 20 times lower than the WQ Guideline NPM. Concentrations of aluminum and iron in fish tissue also remain below the Fish Tissue Guideline NPMs so no Mine-related effects to human health would be expected from fish consumption (i.e., changes in water quality are not translating to changes in fish tissue).

Additional management actions for the medium trigger level include a review and optimization of existing mitigation, evaluation of new mitigation options, implementing a water sampling program to define the magnitude, spatial extent, and reversibility of the effect, and other applicable responses as defined in the AEMP interpretative report for 2025.

Continued monitoring at Davidson Creek (and Chedakuz Creek) sites throughout 2026 will be completed under the AEMP in response to the exceedance of the high trigger and action level for aquatic life (ERM 2026a). These responses are also anticipated to address the medium trigger and action level under the CFMP. BW Gold planned/completed mitigations to address the high action level exceedance identified in the AEMP are:

- Additional monitoring of TSF-C seepage flow paths entering the former Davidson Creek upstream of the future FWR footprint.
- Additional monitoring (increase frequency) of installed groundwater wells and installation and monitoring of new groundwater wells downstream of the TSF-C to understand seepage flows and flow paths.
- Commencement of operation of two seepage pumpback wells in September 2025.
- Capture and pumpback of seepage reporting to a topographic low point downstream of TSF-C.
- Installation of four additional seepage pumpback wells (pumping from three of the wells was initiated after end of period in February 2026 and one well remains on stand-by pending monitoring results).
- Execution of site investigations and engineering design for the ECD, Northern Diversion and TSF-D which are planned to be constructed in accordance with the mine development sequence and are expected to contribute to seepage capture or routing of clean water away from mine areas.

Reduction of dissolved cobalt is anticipated with the mitigations however following assessment of the monitoring results in 2026, BW Gold will evaluate if additional mitigations are necessary.

5.3 ACTION LEVEL BASED ON FISH TISSUE QUALITY MONITORING IN 2025

As described in Sections 4.2.1 and 4.2.2, the mean fish tissue COPC concentrations for samples collected in 2025 were lower than the Fish Tissue Guideline NPM, the Baseline Fish Tissue NPM, and the Predicted Fish Tissue NPM. Therefore, the resulting trigger level based on fish tissue metal concentrations is **none** (Table 5.3-1), which is the same trigger level identified in the previous CFMP Annual Report for sampling completed in 2024 (ERM 2025c).

TABLE 5.3-1 TRIGGER AND MANAGEMENT RESPONSE BASED ON METAL CONCENTRATIONS IN FISH

Level	Trigger	Management Response
None	Measured mean concentration in fish are: • Less than or equal to predicted concentrations in fish tissues plus 60%; or • Less than or equal to baseline trigger concentration in fish tissues plus 60%; and • Less than country foods trigger benchmarks.	• No change to mitigation as mitigation measures are performing as expected. • After two cycles of monitoring with no statistically significant effects, decrease sampling frequency to once every six years.

Note that even though the management response at the “none” action level under the CFMP is to decrease the sampling frequency for fish tissue to once every six years (Table 5.3-1), fish tissue sampling is also required under the AEMP. If fish tissue sampling continues to be more frequent than once every six years under the AEMP, results of fish tissue sampling will be considered in the CFMP annual report for each sampling year in which fish tissue is sampled.

6. PLANNED CFMP SAMPLING PROGRAM FOR 2026

The monitoring frequency for metals in dustfall, soil, country foods (plants and berries) under the CFMP is once every three years. The last time that these media were sampled was during Construction phase monitoring in 2023; therefore, the next routine sampling for these media is planned to occur in 2026 together with the regular annual sampling that occurs under linked monitoring programs (AQFDMP and AEMP). This regular sampling includes sampling of PM₁₀ (and other CACs) under the AQFDMP, monthly and 5-in-30 sampling of surface water under the AEMP, and fish tissue sampling under the AEMP.

BW Gold has committed to sampling small mammal tissues at the end of Construction phase/beginning of Operations phase, once midway through Operations phase, and once at the end of Operations phase, with the potential for additional sampling if triggered by changes in other terrestrial media (ERM 2023a). Small mammal tissues were sampled in 2023 and are planned to be sampled in 2026 together with other terrestrial media. This will ensure that small mammal tissue sampling coincides with sampling of other environmental media, as interpretation of resultant data is improved when concurrent data are available from multiple media (i.e., soil, plants, berries, dust). The 2026 sampling of small mammal tissues coincides with the early stages of Operations phase.

The Indigenous-led hunted game animal program will continue through 2026.

7. SUMMARY

The Mine initiated (early works) construction activities at the mine site in October 2022, with Construction phase activities continuing in 2023 and 2024, and Operation phase starting in January 2025, with commercial production being achieved in May 2025. The Mine started permitted discharges from the rapid infiltration basins (RIBs) for the PS-SCP in the first quarter of 2024 and intermittently through to July 16, 2024, and from TSF-C-SCP to Davidson Creek intermittently throughout the year. In 2025, diverted non-contact water was intermittently discharged to Davidson Creek from the WMP via the CDS. There were no point source discharges to air in 2024 and 2025.

Several wildfires occurred in the vicinity of the Mine in 2025, however construction, operations, and monitoring activities at the Mine were less impacted when compared to wildfire activity occurring in 2023 and 2024.

As per the CFMP, sampling in 2025 under the CFMP included surface water quality, fish tissue metals analysis, and air quality. The donated game tissue program continued throughout 2025 although no donations were made. Based on discussions with LDN and UFN, BW Gold will consider ways to increase participation in the program. This is likely to consist of increasing community awareness of the program and contacting local trapper and hunter organizations.

Results of sampling in 2025 are summarized for metals in surface water and fish tissue in the following paragraphs in the context of the adaptive management framework for the CFMP.

Mean concentrations of all COPCs in surface water were below the Baseline and Predicted WQ NPMs, except:

- Mean concentrations of total aluminum, arsenic, cadmium, iron, lead, and manganese at impact sites exceeded the Baseline WQ NPM; and
- Mean concentrations of total aluminum and iron at SWQ model node sites exceeded the Predicted WQ NPM.

The mean concentrations of all COPCs, including aluminum, arsenic, cadmium, iron, lead, and manganese in surface water are well below levels of concern for human health, as mean concentrations of these parameters were 4 to 3,000 times lower than the WQ Guideline NPM. Only the maximum concentration of total cobalt exceeded the WQ Guideline NPM. Cobalt concentrations higher than the WQ Guideline NPM were limited to several samples from Davidson Creek in Q3 and Q4 of 2025 and were likely associated with unrecovered seepage from the IECD.

The intent of the CFMP adaptive management framework is to identify changes in concentrations due to the Mine that are different than were predicted. Based on BACI analysis of COPCs with mean concentrations greater than the Baseline and the Predicted WQ NPMs (i.e., total aluminum and iron), the changes in concentration at near-field impact sites compared to control sites were significant. The threshold for significance was assumed to be $p = 0.05$. The results indicate that the change in total aluminum and iron concentrations at impact sites prior to commencing Construction activities in October 2022 compared to active construction works demonstrated significantly variability from control sites (*adjusted* $p = 2.09 \times 10^{-11}$ for aluminum and *adjusted* $p = 4.85 \times 10^{-4}$ for iron).

Assignment to a trigger level for water quality in the adaptive management framework was completed for total aluminum and iron because an assignment is based on monitoring results from two consecutive years of sampling and aluminum and iron were COPCs for which assessment was completed in 2024. Based on the mean concentration of total aluminum and iron being higher than Baseline and Predicted WQ NPMs in both 2024 and 2025, and the finding that the changes were statistically significant at impact sites in both years, the trigger level for water quality under the CFMP was assigned to be **medium**.

As demonstrated by overall lower concentrations of COPCs in 2025 versus 2024, effects on water quality in Davidson Creek in 2025 were reduced following the last discharge from the TSF-C-SCP in December of 2024. The primary cause of Mine-related changes in concentrations of total aluminum and iron in 2025 was likely from discharge of TSS (with associated particulate-bound metals) from overland flow from the 2023 fire-impacted upper Davidson Creek watershed to Davidson Creek (either directly or via non-contact water diversions), the March 2025 TSS laden water release into Davidson Creek, and the clearing that was completed upstream of Davidson Creek in May/June 2025.

Increases in concentration of total aluminum and iron in Creek 661 in Q1 of 2025 may be associated with early snowmelt conditions that impacted new infrastructure at the mine site and runoff from the 2023/2024 wildfire-impacted areas upstream of Creek 661, which may have contributed to the observed transient increases in TSS and turbidity. Increased concentrations of total aluminum and iron were also observed at 661-05 during the same time period in 2024. The elevated concentrations of total aluminum and iron at sites 661-05 and 661-10 may be correlated with the elevated concentration of TSS and turbidity, which can be indicative of some dust or particle erosion. Concentrations in Q3 and Q4 2025 were similar to baseline years, indicating the effect was transient and not persistent through 2025. WQ Guideline NPMs were not exceeded and, based on an evaluation of several lines of evidence, effects to country foods and human health from the deposition of dust and changes in surface water quality were not expected.

For fish tissue, mean concentrations were lower than Baseline Fish Tissue, Predicted Fish Tissue, and Fish Tissue Guideline NPMs. Thus, based on 2024 and 2025 monitoring results, the trigger level in the adaptive management framework for fish tissue metal concentrations under the CFMP is **none**.

Based on the overall results of the 2025 monitoring programs under the CFMP, there is currently no concern for human health as mean concentrations of all COPCs in surface water and fish tissues are below levels of concern for human health (i.e., the Guideline NPMs). However, as mean concentrations of total aluminum and iron were higher than the Baseline and Predicted WQ NPMs, and maximum concentrations of cobalt increased in Q3/Q4 of 2025 above the WQ Guideline NPM in Davidson Creek, continued monitoring under the AEMP and CFMP is recommended. BW Gold planned/completed mitigations to address the high action level exceedance identified in the AEMP:

- Additional monitoring of TFS-C seepage flow paths entering the former Davidson Creek upstream of the future FWR footprint.
- Additional monitoring (increase frequency) of installed groundwater wells and installation and monitoring of new groundwater wells downstream of the TFS-C to understand seepage flows and flow paths.

- Commencement of operation of two seepage pumpback wells in September 2025.
- Capture and pumpback of seepage reporting to a topographic low point downstream of TSF-C.
- Installation of four additional seepage pumpback wells (pumping from three of the wells was initiated after end of period in February 2026 and one well remains on stand-by pending monitoring results).
- Execution of site investigations and engineering design for the ECD, Northern Diversion and TSF-D which are planned to be constructed in accordance with the mine development sequence and are expected to contribute to seepage capture or routing of clean water away from mine areas.

The additional mitigation measures are anticipated to reduce the concentrations of total cobalt in Davidson Creek.

To mitigate the potential effects of dusting from the ore stockpile, BW Gold planned/completed the following mitigations:

- investigated wind fencing, but this option was deemed not feasible as the design criteria did not prove to be effective for dust management;
- installed operational spray bars at the primary crusher, the conveyor, and the ore stockpile drop points; and
- maintains bag houses at the primary, secondary, and tertiary crusher.

The Q3/Q4 2025 total metal concentrations were typically similar to those observed in the same months during the baseline period and thus, mitigations appear to be successful. In September 2025 BW Gold announced that it would be constructing a cover on its crushed ore stockpile as part of the Phase 1A expansion. In addition, dusting plumes generated from road use are documented in the visual dust observation log. BW Gold is actively implementing dust mitigation measures (in accordance with the Air Quality and Fugitive Dust Management Plan) in response to dust observations.

Sampling under the CFMP or linked monitoring programs is proposed for 2026, including the following:

- Surface water quality, as described in the AEMP;
- Fish tissue sampling, as described in the AEMP;
- Air quality, as described in the AQDMP and EMA permits for air emissions;
- Dust deposition sampling, as described in the CFMP;
- Soil and vegetation tissue sampling, as described in the CFMP; and
- Small mammal tissue sampling, as described in the CFMP and the *Framework for the Collection Program for Rodents* (ERM 2023a).

8. REFERENCES

Definitions of the acronyms and abbreviations used in this reference list can be found in the Acronyms and Abbreviations section.

Legislation and Regulations

Contaminated Sites Regulation, B.C. Reg. 375/96.

Environmental Assessment Act, SBC 2018, c 51.

Environmental Management Act, SBC 2003, c. 53.

Forest and Range Practices Act, FRPA, SBC 2002, c.69.

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APPENDIX A RAW DATA FOR 2025 MONITORING PERIOD

Appendix A.1	Stream Water Quality Results, 2025
Appendix A.2	Lake Water Quality Results, 2025
Appendix A.3	Fish Tissue Quality Results, 2025

Appendix A.1 Stream Water Quality Results, 2025

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Physical Tests										Cyanides		
					Acidity (as CaCO ₃)	Alkalinity, Total (as CaCO ₃)	Conductivity	Hardness (as CaCO ₃), Dissolved	Hardness (as CaCO ₃), from Total Ca/Mg	pH	Total Dissolved Solids	Total Suspended Solids	Turbidity	Colour, True	Cyanide, Strong Acid Dissociable (Total)	Cyanide, Weak Acid Dissociable	Thiocyanate
					mg/L	mg/L	µS/cm	mg/L	mg/L	pH units	mg/L	mg/L	NTU	CU	mg/L	mg/L	mg/L
Davidson Creek	DC-05	Primary	VA25A0824-004	2025-01-12	<2.0	44.0	95.9	40.4	41.4	7.59	74	<3.0	2.76	-	<0.0050	<0.0050	<0.50
	DC-05	Primary	VA25A2544-005	2025-02-03	<2.0	56.4	120	52.6	52.5	7.92	66	<3.0	0.81	-	<0.0050	<0.0050	<0.50
	DC-05	Primary	VA25A6706-002	2025-03-25	<2.0	65.7	136	56.2	59.9	7.97	88	1.2	6.38	-	<0.0050	<0.0050	0.59
	DC-05	Primary	VA25A7611-001	2025-04-04	<2.0	52.6	108	46.3	50.8	7.85	75	<3.0	9.38	-	<0.0050	<0.0050	<0.50
	DC-05	Primary	VA25B0343-008	2025-05-04	2.9	12.5	38.4	15.5	16.5	7.25	49	4.1	4.60	-	<0.0050	<0.0050	<0.50
	DC-05	Primary	VA25B0962-003	2025-05-11	2.2	13.8	39.2	16.0	16.4	7.33	43	<3.0	6.64	-	<0.0050	<0.0050	<0.50
	DC-05	Primary	VA25B1482-007	2025-05-14	<2.0	14.4	38.9	16.0	15.9	7.30	45	<3.0	3.80	-	<0.0050	<0.0050	<0.50
	DC-05	Primary	VA25B2274-005	2025-05-25	2.0	14.7	40.0	15.8	16.3	7.53	43	<3.0	3.43	-	<0.0050	<0.0050	0.56
	DC-05	Primary	VA25B2953-004	2025-06-01	<2.0	15.4	38.0	16.0	16.3	7.57	51	<3.0	3.83	-	<0.0050	<0.0050	<0.50
	DC-05	Primary	VA25B5984-001	2025-06-29	<2.0	25.3	57.6	23.5	24.1	7.48	63	7.9	15.4	-	<0.0050	<0.0050	<0.50
	DC-05	Primary	VA25B6851-002	2025-07-08	2.0	42.4	89.8	39.6	41.8	7.85	52	3.2	11.8	-	<0.0050	<0.0050	<0.50
	DC-05	Primary	VA25C0003-001	2025-08-10	<2.0	43.5	96.5	41.0	39.5	8.02	64	5.2	7.67	-	<0.0050	<0.0050	<0.50
	DC-05	Primary	VA25C5489-003	2025-09-23	<2.0	43.9	94.5	41.6	41.6	7.87	67	8.5	2.66	6.8	<0.0050	<0.0050	<0.50
	DC-05	Primary	VA25C7355-004	2025-10-07	<2.0	35.3	80.0	33.5	35.0	7.73	78	8.0	13.1	18.4	<0.0050	<0.0050	<0.50
	DC-05	Primary	VA25C7563-005	2025-10-14	<2.0	40.5	90.5	36.7	38.9	7.81	72	<3.0	2.46	9.2	<0.0050	<0.0050	<0.50
	DC-05	Primary	VA25C8047-004	2025-10-18	<2.0	45.7	96.4	45.2	40.9	7.82	69	<3.0	2.31	12.0	<0.0050	<0.0050	<0.50
	DC-05	Primary	VA25C9101-010	2025-10-29	<2.0	33.7	76.6	31.9	34.0	7.83	70	4.3	12.4	19.6	<0.0050	<0.0050	<0.50
	DC-05	Primary	VA25C9485-001	2025-10-31	<2.0	33.6	76.0	33.5	35.5	7.56	79	<3.0	18.9	17.5	<0.0050	<0.0050	<0.50
	DC-05	Primary	VA25D0189-001	2025-11-09	2.1	37.4	87.5	36.7	38.3	7.74	72	<3.0	3.19	16.6	<0.0050	<0.0050	<0.50
	DC-05	Primary	VA25D1021-002	2025-11-16	<2.0	34.8	80.2	33.4	33.3	7.76	53	1.9	3.62	20.1	<0.0050	<0.0050	<0.50
	DC-05	Primary	VA25D2832-001	2025-12-05	2.3	40.5	92.7	41.5	42.0	7.51	70	1.7	1.71	11.6	<0.0050	<0.0050	<0.50
	DC-05	Duplicate	VA25A0824-005	2025-01-12	<2.0	43.6	96.0	39.8	40.2	7.60	72	<3.0	2.60	-	<0.0050	<0.0050	0.64
	DC-05	Duplicate	VA25A7611-002	2025-04-04	<2.0	54.9	108	47.1	51.2	7.86	67	<3.0	9.32	-	<0.0050	<0.0050	<0.50
	DC-05	Duplicate	VA25B6851-003	2025-07-08	2.0	43.1	90.4	39.6	40.5	7.85	59	<3.0	10.6	-	<0.0050	<0.0050	<0.50
	DC-05	Duplicate	VA25C7563-006	2025-10-14	<2.0	39.0	87.9	35.5	36.8	7.88	68	<3.0	3.78	9.2	<0.0050	<0.0050	<0.50
	DC-05	Duplicate	VA25C9485-002	2025-10-31	2.0	33.7	76.3	33.6	36.0	7.56	76	<3.0	19.1	17.7	<0.0050	<0.0050	<0.50
	DC-10	Primary	VA25A0824-006	2025-01-12	<2.0	44.4	97.3	40.8	40.6	7.61	69	<3.0	2.04	-	<0.0050	<0.0050	<0.50
	DC-10	Primary	VA25A2647-001	2025-02-04	2.0	57.0	121	50.9	52.7	7.67	82	<3.0	0.77	-	<0.0050	<0.0050	<0.50
	DC-10	Primary	VA25A6706-004	2025-03-25	<2.0	63.4	131	56.4	55.7	7.88	95	<3.0	5.49	-	<0.0050	<0.0050	0.53
	DC-10	Primary	VA25A7611-003	2025-04-04	<2.0	53.4	111	47.4	52.6	7.81	76	<3.0	9.14	-	<0.0050	<0.0050	<0.50
	DC-10	Primary	VA25B0343-009	2025-05-04	2.8	12.8	39.3	16.1	16.8	7.30	48	<3.0	4.61	-	<0.0050	<0.0050	<0.50
	DC-10	Primary	VA25B5984-002	2025-06-29	2.0	26.0	59.5	23.9	25.0	7.52	59	3.9	14.2	-	<0.0050	<0.0050	<0.50
	DC-10	Primary	VA25B6851-004	2025-07-08	2.1	43.6	91.3	39.9	40.4	7.84	57	5.8	6.93	-	<0.0050	<0.0050	<0.50
	DC-10	Primary	VA25C0017-004	2025-08-10	<2.0	43.4	98.9	40.6	39.7	7.87	76	<3.0	2.95	-	<0.0050	<0.0050	<0.50
	DC-10	Primary	VA25C4751-001	2025-09-15	<2.0	54.1	128	58.0	58.5	7.80	90	<3.0	1.03	6.8	<0.0050	<0.0050	<0.50
	DC-10	Primary	VA25C9101-011	2025-10-29	<2.0	35.5	81.1	34.6	35.0	7.79	73	3.5	12.0	18.0	<0.0050	<0.0050	<0.50
	DC-10	Primary	VA25D1976-008	2025-11-26	2.2	42.4	94.8	44.0	42.9	7.70	73	<3.0	2.74	14.2	<0.0050	<0.0050	<0.50
	DC-10	Primary	VA25D3068-001	2025-12-08	2.5	42.2	101	42.7	43.4	7.76	73	<3.0	1.51	9.0	<0.0050	<0.0050	<0.50
	DC-10	Duplicate	VA25A6706-005	2025-03-25	<2.0	62.4	131	56.4	57.0	7.90	89	<3.0	5.23	-	<0.0050	<0.0050	0.61
	DC-15	Primary	VA25A0824-001	2025-01-12	<2.0	56.8	119	50.5	54.0	7.72	80	<3.0	1.62	-	<0.0050	<0.0050	<0.50
	DC-15	Primary	VA25A2647-002	2025-02-04	<2.0	68.9	141	59.6	61.8	7.85	95	<3.0	0.58	-	<0.0050	<0.0050	<0.50
	DC-15	Primary	VA25A6706-007	2025-03-25	<2.0	66.1	136	60.2	58.8	7.98	88	1.1	2.72	-	<0.0050	<0.0050	0.51
	DC-15	Primary	VA25A7611-004	2025-04-04	<2.0	65.4	131	56.0	63.8	7.94	68	<3.0	2.15	-	<0.0050	<0.0050	1.46
	DC-15	Primary	VA25B0962-002	2025-05-11	2.3	22.2	51.0	22.2	22.7	7.47	49	6.4	7.38	-	<0.0050	<0.0050	<0.50
	DC-15	Primary	VA25B5984-003	2025-06-29	<2.0	32.3	72.4	29.7	30.5	7.51	75	<3.0	19.4	-	<0.0050	<0.0050	<0.50
	DC-15	Primary	VA25B6851-005	2025-07-08	<2.0	45.6	93.4	41.2	42.7	7.90	58	<3.0	2.49	-	<0.0050	<0.0050	<0.50
	DC-15	Primary	VA25B9679-001	2025-08-06	<2.0	53.9	111	47.6	47.6	7.86	76	1.1	2.03	-	<0.0050	<0.0050	<0.50
	DC-15	Primary	VA25C4967-001	2025-09-17	<2.0	59.5	134	62.9	60.8	7.94	89	<3.0	0.78	8.5	<0.0050	<0.0050	<0.50
	DC-15	Primary	VA25C8358-009	2025-10-20	<2.0	57.7	117	54.2	50.9	7.94	81	<3.0	4.28	9.6	<0.0050	<0.0050	<0.50
	DC-15	Primary	VA25C9695-001	2025-11-03	2.3	49.4	104	49.6	44.5	7.82	86	<3.0	3.91	13.1	<0.0050	<0.0050	<0.50
	DC-15	Primary	VA25D3068-002	2025-12-08	2.2	56.1	119	54.3	54.7	7.92	84	<3.0	0.99	7.7	<0.0050	<0.0050	<0.50
	DC-15	Duplicate	VA25D3068-003	2025-12-08	2.1	57.0	119	54.8	51.7	7.93	82	<3.0	0.97	8.9	<0.0050	<0.0050	<0.50
	DC-20	Primary	VA25A0964-001	2025-01-13	2.5	57.4	122	48.8	49.5	7.82	74	<3.0	1.98	-	<0.0050	<0.0050	<0.50

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Physical Tests										Cyanides		
					Acidity (as CaCO ₃)	Alkalinity, Total (as CaCO ₃)	Conductivity	Hardness (as CaCO ₃), Dissolved	Hardness (as CaCO ₃), from Total Ca/Mg	pH	Total Dissolved Solids	Total Suspended Solids	Turbidity	Colour, True	Cyanide, Strong Acid Dissociable (Total)	Cyanide, Weak Acid Dissociable	Thiocyanate
					mg/L	mg/L	µS/cm	mg/L	mg/L	pH units	mg/L	mg/L	NTU	CU	mg/L	mg/L	mg/L
Davidson Creek (cont'd)	DC-20	Primary	VA25A2647-003	2025-02-04	<2.0	67.9	138	59.9	60.6	7.76	90	<3.0	1.22	-	<0.0050	<0.0050	<0.50
	DC-20	Primary	VA25A4955-001	2025-03-04	2.2	65.1	134	60.6	63.5	7.93	75	<3.0	3.47	-	<0.0050	<0.0050	<0.50
	DC-20	Primary	VA25A7310-003	2025-04-01	<2.0	62.4	128	59.3	51.6	7.91	94	<3.0	4.01	-	<0.0050	<0.0050	<0.50
	DC-20	Primary	VA25B0343-010	2025-05-04	2.7	23.9	54.4	24.2	24.6	7.53	60	<3.0	3.97	-	<0.0050	<0.0050	<0.50
	DC-20	Primary	VA25B0962-001	2025-05-11	2.3	26.3	58.1	24.9	25.7	7.53	52	<3.0	3.60	-	<0.0050	<0.0050	<0.50
	DC-20	Primary	VA25B1482-008	2025-05-14	<2.0	26.6	57.4	24.4	23.8	7.51	55	<3.0	3.08	-	<0.0050	<0.0050	<0.50
	DC-20	Primary	VA25B2274-006	2025-05-25	2.5	28.2	62.1	25.7	26.7	7.67	50	<3.0	2.09	-	<0.0050	<0.0050	<0.50
	DC-20	Primary	VA25B2953-005	2025-06-01	2.1	28.0	59.0	26.0	27.0	7.63	68	<3.0	6.42	-	<0.0050	<0.0050	<0.50
	DC-20	Primary	VA25B5722-003	2025-06-23	2.0	39.9	78.9	35.6	33.7	7.81	74	<3.0	8.16	-	<0.0050	<0.0050	<0.50
	DC-20	Primary	VA25B6834-003	2025-07-07	2.1	43.2	88.7	37.4	38.0	7.86	72	<3.0	0.79	-	<0.0050	<0.0050	<0.50
	DC-20	Primary	VA25C0017-001	2025-08-10	<2.0	56.3	118	51.5	49.8	7.92	88	3.5	4.26	-	<0.0050	<0.0050	<0.50
	DC-20	Primary	VA25C4967-002	2025-09-17	<2.0	62.2	135	61.8	61.2	7.94	93	<3.0	1.25	22.3	<0.0050	<0.0050	<0.50
	DC-20	Primary	VA25C6908-003	2025-10-08	<2.0	61.5	120	54.4	52.8	7.83	89	<3.0	1.98	21.0	<0.0050	<0.0050	<0.50
	DC-20	Primary	VA25C7563-003	2025-10-14	<2.0	58.4	118	52.5	53.0	7.88	85	<3.0	1.44	18.1	<0.0050	<0.0050	<0.50
	DC-20	Primary	VA25C8358-002	2025-10-20	<2.0	57.8	118	54.8	55.0	7.85	72	<3.0	0.98	17.1	<0.0050	<0.0050	<0.50
	DC-20	Primary	VA25C9101-002	2025-10-29	<2.0	55.6	113	48.0	49.0	7.97	89	<3.0	3.32	17.6	<0.0050	<0.0050	<0.50
	DC-20	Primary	VA25C9485-003	2025-10-31	2.2	52.8	107	49.3	53.4	7.69	84	<3.0	2.79	17.4	<0.0050	<0.0050	<0.50
	DC-20	Primary	VA25D1976-004	2025-11-26	2.7	64.0	125	60.9	59.2	7.82	95	<3.0	1.76	17.6	<0.0050	<0.0050	<0.50
	DC-20	Primary	VA25D3068-004	2025-12-08	2.8	58.7	121	55.4	53.0	7.90	85	<3.0	1.65	12.7	<0.0050	<0.0050	<0.50
	DC-20	Duplicate	VA25B2953-006	2025-06-01	2.1	28.0	63.2	26.1	26.9	7.64	50	<3.0	6.38	-	<0.0050	<0.0050	<0.50
	DC-20	Duplicate	VA25C0017-002	2025-08-10	<2.0	56.6	119	53.4	49.9	7.94	85	8.3	4.25	-	<0.0050	<0.0050	<0.50
Creek 661	661-01	Primary	VA25A1481-001	2025-01-20	2.9	16.1	36.4	14.1	14.1	7.23	33	<3.0	0.27	-	<0.0050	<0.0050	<0.50
	661-01	Primary	VA25A8806-004	2025-04-15	2.3	12.3	29.2	11.0	11.0	7.27	47	<3.0	0.36	-	<0.0050	<0.0050	<0.50
	661-01	Primary	VA25B0343-004	2025-05-04	3.0	5.6	18.8	7.83	8.04	6.75	46	<3.0	1.20	-	<0.0050	<0.0050	<0.50
	661-01	Primary	VA25B0962-005	2025-05-11	3.6	5.3	17.7	7.09	7.18	6.73	35	<3.0	0.48	-	<0.0050	<0.0050	<0.50
	661-01	Primary	VA25B1482-002	2025-05-14	2.4	5.9	17.0	6.94	6.92	6.70	41	<3.0	0.43	-	<0.0050	<0.0050	<0.50
	661-01	Primary	VA25B2274-001	2025-05-25	3.4	6.3	20.0	7.27	6.99	6.94	40	<3.0	0.27	-	<0.0050	<0.0050	<0.50
	661-01	Primary	VA25B2953-001	2025-06-01	3.1	6.7	20.8	7.93	7.87	6.97	44	<3.0	0.33	-	<0.0050	<0.0050	<0.50
	661-01	Primary	VA25B5722-006	2025-06-23	2.3	10.8	25.0	9.87	9.96	7.23	37	<3.0	0.28	-	<0.0050	<0.0050	<0.50
	661-01	Primary	VA25B7427-010	2025-07-14	2.0	13.5	28.8	11.7	11.4	7.33	36	<3.0	0.31	-	<0.0050	<0.0050	<0.50
	661-01	Primary	VA25C0216-002	2025-08-11	2.0	16.1	36.3	13.6	14.2	7.44	39	<3.0	0.65	-	<0.0050	<0.0050	<0.50
	661-01	Primary	VA25C5489-005	2025-09-24	<2.0	16.5	34.2	13.4	13.8	7.38	30	<3.0	0.19	10.3	<0.0050	<0.0050	<0.50
	661-01	Primary	VA25C5617-001	2025-09-22	<2.0	16.0	34.7	13.7	13.3	7.43	33	<3.0	0.32	9.8	<0.0050	<0.0050	<0.50
	661-01	Primary	VA25C6039-001	2025-09-30	2.5	16.7	36.0	14.1	13.9	7.23	33	8.2	0.61	7.2	<0.0050	<0.0050	<0.50
	661-01	Primary	VA25C7355-006	2025-10-07	2.1	16.9	36.8	13.8	14.3	7.36	40	<3.0	0.31	7.6	<0.0050	<0.0050	<0.50
	661-01	Primary	VA25C7416-001	2025-10-13	2.1	16.7	36.2	14.3	14.0	7.27	39	<3.0	0.26	7.3	<0.0050	<0.0050	<0.50
	661-01	Primary	VA25C8047-003	2025-10-18	2.1	16.2	34.6	14.2	12.8	7.28	31	6.7	2.83	7.9	<0.0050	<0.0050	<0.50
	661-01	Primary	VA25C8919-001	2025-10-26	2.3	17.5	38.7	14.6	14.8	7.38	37	<3.0	0.13	8.0	<0.0050	<0.0050	<0.50
	661-01	Primary	VA25C9101-009	2025-10-29	2.0	17.7	37.2	14.2	14.9	7.50	36	<3.0	0.42	8.4	<0.0050	<0.0050	<0.50
	661-01	Primary	VA25D0570-002	2025-11-12	<2.0	17.9	36.9	15.4	15.0	7.44	31	<3.0	0.32	7.3	<0.0050	<0.0050	<0.50
	661-01	Primary	VA25D3435-001	2025-12-12	2.9	16.4	34.3	13.3	13.3	7.17	37	<3.0	0.38	10.3	<0.0050	<0.0050	<0.50
	661-01	Duplicate	VA25B1482-003	2025-05-14	2.3	5.8	17.4	6.99	7.29	6.70	45	<3.0	0.40	-	<0.0050	<0.0050	<0.50
	661-01	Duplicate	VA25C5489-006	2025-09-24	<2.0	16.5	34.1	13.8	13.7	7.41	30	<3.0	0.19	11.8	<0.0050	<0.0050	<0.50
	661-01	Duplicate	VA25C6039-002	2025-09-30	2.2	16.7	36.5	13.7	14.1	7.24	32	<3.0	0.24	7.9	<0.0050	<0.0050	<0.50
	661-01	Duplicate	VA25D3435-002	2025-12-12	2.6	15.7	34.3	13.1	13.3	7.24	35	<3.0	0.38	11.1	<0.0050	<0.0050	<0.50
	661-03	Primary	VA25A0356-001	2025-01-06	2.7	45.3	92.7	41.2	40.4	7.52	83	<3.0	0.52	-	<0.0050	<0.0050	<0.50
	661-03	Primary	VA25A8806-002	2025-04-15	2.5	24.6	55.5	25.5	27.2	7.45	101	4.9	5.27	-	<0.0050	<0.0050	0.70
	661-03	Primary	VA25B0343-005	2025-05-04	4.5	19.4	46.7	23.2	24.5	7.41	66	3.5	1.75	-	<0.0050	<0.0050	0.58
	661-03	Primary	VA25B5529-003	2025-06-24	<2.0	54.4	98.0	48.4	49.8	7.80	91	<3.0	0.54	-	<0.0050	<0.0050	<0.50
	661-03	Primary	VA25B7427-001	2025-07-14	2.5	61.5	112	53.2	52.3	7.89	88	<3.0	0.42	-	<0.0050	<0.0050	<0.50
	661-03	Primary	VA25C4972-001	2025-09-19	2.4	73.0	141	62.8	60.0	7.96	109	6.2	3.37	5.7	<0.0050	<0.0050	<0.50
	661-03	Primary	VA25D0189-002	2025-11-10	3.0	37.9	89.6	39.2	40.0	7.63	80	<3.0	0.41	20.0	<0.0050	<0.0050	<0.50
	661-04	Primary	VA25A1481-002	2025-01-20	2.4	40.7	92.8	37.0	36.8	7.69	70	<3.0	1.15	-	<0.0050	<0.0050	<0.50

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Physical Tests										Cyanides		
					Acidity (as CaCO ₃)	Alkalinity, Total (as CaCO ₃)	Conductivity	Hardness (as CaCO ₃), Dissolved	Hardness (as CaCO ₃), from Total Ca/Mg	pH	Total Dissolved Solids	Total Suspended Solids	Turbidity	Colour, True	Cyanide, Strong Acid Dissociable (Total)	Cyanide, Weak Acid Dissociable	Thiocyanate
					mg/L	mg/L	µS/cm	mg/L	mg/L	pH units	mg/L	mg/L	NTU	CU	mg/L	mg/L	mg/L
Creek 661 (cont'd)	661-04	Primary	VA25A4183-004	2025-02-24	2.1	42.9	98.3	39.5	38.7	7.86	71	<3.0	1.86	-	<0.0050	<0.0050	<0.50
	661-04	Primary	VA25A5225-001	2025-03-07	<2.0	41.9	91.8	39.9	40.4	7.74	85	<3.0	20.3	-	<0.0050	<0.0050	<0.50
	661-04	Primary	VA25A8451-001	2025-04-14	2.0	29.1	75.4	28.6	30.4	7.44	80	<3.0	8.54	-	<0.0050	<0.0050	<0.50
	661-04	Primary	VA25B0438-001	2025-05-05	2.8	14.2	37.9	16.6	16.3	7.14	49	3.0	2.15	-	<0.0050	<0.0050	<0.50
	661-04	Primary	VA25B5932-001	2025-06-27	2.5	29.7	59.1	24.6	26.2	7.55	70	<3.0	8.00	-	<0.0050	<0.0050	<0.50
	661-04	Primary	VA25B7427-009	2025-07-14	<2.0	36.8	70.8	30.6	30.7	7.77	73	3.4	13.2	-	<0.0050	<0.0050	<0.50
	661-04	Primary	VA25C0216-003	2025-08-11	<2.0	47.1	94.8	40.7	41.2	7.92	73	<3.0	1.39	-	<0.0050	<0.0050	<0.50
	661-04	Primary	VA25C4967-005	2025-09-17	<2.0	48.6	104	44.9	43.6	7.85	76	<3.0	2.96	13.5	<0.0050	<0.0050	<0.50
	661-04	Primary	VA25C7416-002	2025-10-13	<2.0	40.1	89.8	38.0	37.4	7.77	71	3.4	1.54	11.5	<0.0050	<0.0050	<0.50
	661-04	Primary	VA25D1159-004	2025-11-18	<2.0	40.8	93.5	37.6	38.5	7.77	71	<3.0	1.34	10.4	<0.0050	<0.0050	0.68
	661-04	Primary	VA25D3210-001	2025-12-09	2.4	43.7	92.7	40.7	38.5	7.65	73	<3.0	1.48	7.6	<0.0050	<0.0050	<0.50
	661-04	Duplicate	VA25A1481-003	2025-01-20	2.2	40.5	92.8	37.3	36.8	7.71	62	<3.0	1.05	-	<0.0050	<0.0050	<0.50
	661-04	Duplicate	VA25A8451-002	2025-04-14	2.1	28.7	73.8	28.4	30.2	7.45	74	<3.0	8.38	-	<0.0050	<0.0050	<0.50
	661-04	Duplicate	VA25B5932-002	2025-06-27	2.1	28.8	59.2	25.1	26.3	7.55	63	<3.0	7.40	-	<0.0050	<0.0050	<0.50
	661-04	Duplicate	VA25C4967-006	2025-09-17	<2.0	48.6	103	45.1	44.8	7.85	79	<3.0	3.09	14.2	<0.0050	<0.0050	<0.50
	661-05	Primary	VA25A0964-002	2025-01-13	2.0	50.2	102	41.0	40.0	7.81	58	<3.0	1.64	-	<0.0050	<0.0050	<0.50
	661-05	Primary	VA25A4211-002	2025-02-18	<2.0	53.7	107	45.1	46.5	7.96	63	<3.0	1.94	-	<0.0050	<0.0050	<0.50
	661-05	Primary	VA25A5225-002	2025-03-07	<2.0	53.6	103	45.0	45.8	7.87	78	<3.0	13.3	-	<0.0050	<0.0050	1.32
	661-05	Primary	VA25A8806-001	2025-04-15	<2.0	32.2	65.5	28.2	30.5	7.67	108	28.3	24.8	-	<0.0050	<0.0050	<0.50
	661-05	Primary	VA25B0343-006	2025-05-04	3.0	27.3	56.1	24.9	25.7	7.59	66	6.5	5.98	-	<0.0050	<0.0050	<0.50
	661-05	Primary	VA25B5932-003	2025-06-27	2.1	42.0	81.9	34.7	36.9	7.75	70	3.9	6.86	-	<0.0050	<0.0050	<0.50
	661-05	Primary	VA25B6851-001	2025-07-08	2.1	47.5	93.0	40.1	41.5	7.89	66	<3.0	1.57	-	<0.0050	<0.0050	<0.50
	661-05	Primary	VA25C0216-001	2025-08-11	<2.0	54.2	108	45.8	47.1	7.99	79	4.1	1.48	-	<0.0050	<0.0050	<0.50
	661-05	Primary	VA25C3886-001	2025-09-10	<2.0	56.6	108	51.3	47.8	8.00	77	<3.0	0.87	10.5	<0.0050	<0.0050	<0.50
	661-05	Primary	VA25C8345-001	2025-10-21	2.1	53.8	101	44.4	44.9	7.90	81	<3.0	1.36	10.6	<0.0050	<0.0050	<0.50
	661-05	Primary	VA25D0570-003	2025-11-12	<2.0	50.2	95.6	45.4	44.7	7.88	70	<3.0	2.79	14.2	<0.0050	<0.0050	<0.50
	661-05	Primary	VA25D3210-002	2025-12-09	2.0	54.1	102	44.4	45.4	7.80	75	<3.0	0.98	7.5	<0.0050	<0.0050	<0.50
	661-05	Duplicate	VA25A0964-003	2025-01-13	2.1	50.1	101	39.5	40.8	7.83	58	<3.0	1.64	-	<0.0050	<0.0050	<0.50
	661-10	Primary	VA25A0356-002	2025-01-06	2.8	38.6	85.6	35.8	32.8	7.41	70	<3.0	1.22	-	<0.0050	<0.0050	<0.50
	661-10	Primary	VA25A4211-001	2025-02-18	3.0	42.2	95.1	36.6	39.3	7.67	68	<3.0	2.81	-	<0.0050	<0.0050	<0.50
	661-10	Primary	VA25A5381-001	2025-03-10	3.1	41.1	86.1	36.6	37.0	7.75	68	3.6	8.40	-	<0.0050	<0.0050	<0.50
	661-10	Primary	VA25A8806-003	2025-04-15	2.1	26.6	62.9	26.7	28.0	7.54	96	6.7	9.67	-	<0.0050	<0.0050	<0.50
	661-10	Primary	VA25B0343-007	2025-05-04	3.8	10.1	28.8	13.1	13.4	7.11	60	15.3	3.71	-	<0.0050	<0.0050	<0.50
	661-10	Primary	VA25B0962-007	2025-05-11	3.2	11.0	30.9	12.7	13.5	7.10	46	<3.0	1.75	-	<0.0050	<0.0050	<0.50
	661-10	Primary	VA25B1482-004	2025-05-14	<2.0	10.6	28.3	12.3	12.3	7.03	47	4.2	1.27	-	<0.0050	<0.0050	<0.50
	661-10	Primary	VA25B2274-002	2025-05-25	3.2	12.1	33.1	13.7	13.8	7.23	48	<3.0	0.80	-	<0.0050	<0.0050	<0.50
	661-10	Primary	VA25B2953-002	2025-06-01	2.7	14.5	36.3	15.8	15.9	7.32	54	<3.0	0.71	-	<0.0050	<0.0050	<0.50
	661-10	Primary	VA25B5529-004	2025-06-24	2.0	27.1	50.1	24.3	24.7	7.42	69	<3.0	1.08	-	<0.0050	<0.0050	<0.50
	661-10	Primary	VA25B7427-002	2025-07-14	2.4	34.4	64.2	31.3	31.1	7.65	80	<3.0	1.44	-	<0.0050	<0.0050	<0.50
	661-10	Primary	VA25C0216-004	2025-08-11	2.2	45.2	88.4	44.7	44.4	7.79	97	<3.0	2.92	-	<0.0050	<0.0050	<0.50
	661-10	Primary	VA25C5489-002	2025-09-23	2.3	42.8	82.0	38.8	37.5	7.78	69	<3.0	2.54	75.0	<0.0050	<0.0050	<0.50
	661-10	Primary	VA25C7416-003	2025-10-13	2.1	40.0	81.6	36.5	36.1	7.69	79	7.2	2.54	44.8	<0.0050	<0.0050	<0.50
	661-10	Primary	VA25C8047-001	2025-10-18	2.2	37.9	78.2	35.2	32.3	7.67	61	<3.0	2.10	41.0	<0.0050	<0.0050	<0.50
	661-10	Primary	VA25C8919-002	2025-10-26	2.3	36.7	79.3	32.6	32.5	7.66	70	3.4	4.45	38.4	<0.0050	<0.0050	<0.50
	661-10	Primary	VA25C9099-002	2025-10-28	2.6	37.4	81.0	33.3	33.7	7.58	70	<3.0	1.91	38.8	<0.0050	<0.0050	<0.50
	661-10	Primary	VA25D0189-003	2025-11-10	2.5	37.5	78.0	33.0	34.6	7.66	73	<3.0	1.97	35.2	<0.0050	<0.0050	<0.50
	661-10	Primary	VA25D4214-001	2025-12-26	2.1	42.1	86.5	37.0	38.9	7.67	78	<3.0	1.32	25.9	<0.0050	<0.0050	<0.50
	661-10	Duplicate	VA25A0356-003	2025-01-06	2.8	39.4	85.9	35.7	34.8	7.44	70	<3.0	1.24	-	<0.0050	<0.0050	<0.50
	661-10	Duplicate	VA25B1482-005	2025-05-14	<2.0	10.6	28.4	12.9	12.2	7.03	50	3.0	1.45	-	<0.0050	<0.0050	<0.50
	661-10	Duplicate	VA25B2274-003	2025-05-25	3.3	12.3	33.0	13.8	13.6	7.23	45	<3.0	0.74	-	<0.0050	<0.0050	<0.50
	661-20	Primary	VA25A4598-001	2025-02-28	<2.0	87.2	172	72.3	76.9	8.17	102	<3.0	0.55	-	<0.0050	<0.0050	<0.50
	661-20	Primary	VA25A7611-006	2025-04-04	<2.0	69.1	141	60.3	70.3	7.95	100	<3.0	2.31	-	<0.0050	<0.0050	0.55
	661-20	Primary	VA25B7427-005	2025-07-14	<2.0	77.1	142	66.9	67.6	8.13	103	<3.0	0.68	-	<0.0050	<0.0050	<0.50

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Physical Tests										Cyanides		
					Acidity (as CaCO ₃)	Alkalinity, Total (as CaCO ₃)	Conductivity	Hardness (as CaCO ₃), Dissolved	Hardness (as CaCO ₃), from Total Ca/Mg	pH	Total Dissolved Solids	Total Suspended Solids	Turbidity	Colour, True	Cyanide, Strong Acid Dissociable (Total)	Cyanide, Weak Acid Dissociable	Thiocyanate
					mg/L	mg/L	µS/cm	mg/L	mg/L	pH units	mg/L	mg/L	NTU	CU	mg/L	mg/L	mg/L
Creek 661 (cont'd)	661-20	Primary	VA25D0189-004	2025-11-10	<2.0	74.2	142	67.5	70.3	8.06	101	<3.0	0.41	15.3	<0.0050	<0.0050	<0.50
	661-20	Duplicate	VA25D0189-005	2025-11-10	<2.0	73.8	141	69.5	67.7	8.06	102	<3.0	0.41	15.2	<0.0050	<0.0050	<0.50
Turtle Creek	TC-01	Primary	VA25A1845-005	2025-01-26	2.1	108	199	97.8	101	7.97	130	<3.0	0.19	-	<0.0050	<0.0050	<0.50
	TC-01	Primary	VA25A5560-004	2025-03-11	<2.0	108	197	95.4	104	8.14	132	<3.0	1.13	-	<0.0050	<0.0050	<0.50
	TC-01	Primary	VA25A8058-006	2025-04-09	<2.0	106	200	99.5	96.0	8.00	118	<3.0	0.14	-	<0.0050	<0.0050	<0.50
	TC-01	Primary	VA25B1312-001	2025-05-13	<2.0	97.6	184	90.7	89.8	7.88	110	<3.0	0.27	-	<0.0050	<0.0050	<0.50
	TC-01	Primary	VA25B5722-005	2025-06-23	2.8	96.2	181	92.6	90.1	8.05	126	<3.0	1.28	-	<0.0050	<0.0050	<0.50
	TC-01	Primary	VA25B6834-005	2025-07-07	3.4	91.7	178	86.1	82.1	7.89	114	6.4	1.98	-	<0.0050	<0.0050	<0.50
	TC-01	Primary	VA25B9366-001	2025-08-04	4.6	97.6	185	89.1	97.9	7.76	121	<3.0	0.56	-	<0.0050	<0.0050	<0.50
	TC-01	Primary	VA25C4967-003	2025-09-17	4.4	106	200	105	99.6	7.90	120	<3.0	0.49	9.6	<0.0050	<0.0050	<0.50
	TC-01	Primary	VA25C8358-006	2025-10-20	<2.0	103	192	99.0	94.9	7.72	101	<3.0	0.21	<5.0	<0.0050	<0.0050	<0.50
	TC-01	Primary	VA25D1976-007	2025-11-26	4.4	100	185	96.2	96.9	7.80	113	<3.0	0.82	<5.0	<0.0050	<0.0050	<0.50
	TC-01	Primary	VA25D3939-001	2025-12-17	5.2	106	198	101	99.7	7.64	126	<3.0	0.96	6.6	<0.0050	<0.0050	<0.50
	TC-05	Primary	VA25A1845-004	2025-01-26	2.5	99.0	187	88.4	94.3	7.94	135	<3.0	1.04	-	<0.0050	<0.0050	<0.50
	TC-05	Primary	VA25A4183-001	2025-02-24	3.3	115	226	107	104	8.10	142	<3.0	1.82	-	<0.0050	<0.0050	<0.50
	TC-05	Primary	VA25A5268-003	2025-03-09	3.0	105	202	96.1	103	7.90	127	<3.0	1.39	-	<0.0050	<0.0050	<0.50
	TC-05	Primary	VA25A8058-005	2025-04-09	<2.0	87.2	170	84.0	76.4	7.99	110	<3.0	1.41	-	<0.0050	<0.0050	<0.50
	TC-05	Primary	VA25B1312-002	2025-05-13	2.4	34.0	69.4	33.5	32.8	7.52	72	<3.0	1.02	-	<0.0050	<0.0050	<0.50
	TC-05	Primary	VA25B5722-004	2025-06-23	2.2	73.6	139	72.7	67.3	8.02	107	<3.0	1.33	-	<0.0050	<0.0050	<0.50
	TC-05	Primary	VA25B6834-004	2025-07-07	2.7	81.1	155	74.0	76.9	7.94	108	<3.0	1.36	-	<0.0050	<0.0050	<0.50
	TC-05	Primary	VA25B9366-002	2025-08-04	3.1	91.3	175	83.2	90.2	7.91	108	<3.0	2.01	-	<0.0050	<0.0050	<0.50
	TC-05	Primary	VA25C4967-004	2025-09-17	3.2	110	210	110	104	8.05	151	<3.0	1.50	24.0	<0.0050	<0.0050	<0.50
	TC-05	Primary	VA25C8346-001	2025-10-22	<2.0	99.7	186	86.7	88.7	7.82	124	<3.0	1.79	14.9	<0.0050	<0.0050	<0.50
	TC-05	Primary	VA25D1976-006	2025-11-26	3.8	112	205	106	103	7.93	131	<3.0	1.10	12.8	<0.0050	<0.0050	<0.50
	TC-05	Primary	VA25D3939-002	2025-12-17	2.7	94.3	181	89.4	86.1	7.92	125	<3.0	1.45	14.8	<0.0050	<0.0050	<0.50
	TC-05	Duplicate	VA25B1312-003	2025-05-13	2.5	33.9	69.4	34.3	34.4	7.53	69	<3.0	1.00	-	<0.0050	<0.0050	0.50
	TC-10	Primary	VA25A2544-002	2025-02-03	2.0	112	215	104	100	8.08	110	<3.0	1.41	-	<0.0050	<0.0050	<0.50
	TC-10	Primary	VA25B1312-004	2025-05-13	2.2	46.5	94.4	45.8	45.4	7.65	79	<3.0	0.75	-	<0.0050	<0.0050	0.59
	TC-10	Primary	VA25B6834-006	2025-07-07	2.4	91.6	174	84.4	88.3	7.98	120	<3.0	1.12	-	<0.0050	<0.0050	<0.50
	TC-10	Primary	VA25C3699-001	2025-09-09	4.8	125	229	108	112	7.89	155	<3.0	1.88	-	<0.0050	<0.0050	<0.50
	TC-10	Primary	VA25C9690-004	2025-11-03	3.2	104	196	93.5	96.5	8.03	125	<3.0	1.01	15.3	<0.0050	<0.0050	<0.50
	TC-15	Primary	VA25B1312-005	2025-05-13	2.2	52.7	108	50.6	49.2	7.75	79	<3.0	0.49	-	<0.0050	<0.0050	<0.50
Chedakuz Creek	CC-03	Primary	VA25A0356-004	2025-01-06	<2.0	134	263	126	126	8.14	172	<3.0	0.88	-	<0.0050	<0.0050	<0.50
	CC-03	Primary	VA25A4598-002	2025-02-28	<2.0	121	238	108	110	8.29	145	<3.0	0.40	-	<0.0050	<0.0050	<0.50
	CC-03	Primary	VA25A5381-002	2025-03-10	<2.0	109	207	102	100	8.29	117	<3.0	0.44	-	<0.0050	<0.0050	<0.50
	CC-03	Primary	VA25A8257-001	2025-04-10	<2.0	74.8	144	65.9	69.3	8.02	94	<3.0	3.02	-	<0.0050	<0.0050	<0.50
	CC-03	Primary	VA25B0343-001	2025-05-04	<2.0	56.1	109	53.3	54.2	7.93	87	3.3	1.82	-	<0.0050	<0.0050	<0.50
	CC-03	Primary	VA25B0962-006	2025-05-11	<2.0	61.8	120	57.6	59.3	7.95	84	<3.0	1.08	-	<0.0050	<0.0050	<0.50
	CC-03	Primary	VA25B1482-001	2025-05-14	<2.0	63.9	124	59.9	58.3	7.92	92	4.6	1.61	-	<0.0050	<0.0050	<0.50
	CC-03	Primary	VA25B2274-004	2025-05-25	<2.0	66.0	131	59.1	63.1	8.03	104	4.9	1.42	-	<0.0050	<0.0050	<0.50
	CC-03	Primary	VA25B2953-003	2025-06-01	<2.0	68.6	134	65.0	70.5	8.04	102	5.0	1.79	-	<0.0050	<0.0050	<0.50
	CC-03	Primary	VA25B5529-001	2025-06-24	<2.0	88.9	168	86.0	91.0	8.14	133	<3.0	1.28	-	<0.0050	<0.0050	<0.50
	CC-03	Primary	VA25B7427-003	2025-07-14	<2.0	106	203	104	104	8.25	148	<3.0	0.79	-	<0.0050	<0.0050	<0.50
	CC-03	Primary	VA25C0216-005	2025-08-11	<2.0	118	230	113	114	8.34	155	<3.0	1.04	-	<0.0050	<0.0050	<0.50
	CC-03	Primary	VA25C4972-002	2025-09-19	<2.0	131	251	121	125	8.32	184	<3.0	0.67	15.2	<0.0050	<0.0050	<0.50
	CC-03	Primary	VA25C7355-005	2025-10-07	<2.0	126	240	122	125	8.29	175	<3.0	0.59	13.2	<0.0050	<0.0050	<0.50
	CC-03	Primary	VA25C7416-004	2025-10-13	<2.0	129	244	125	125	8.25	162	<3.0	1.14	10.5	<0.0050	<0.0050	<0.50
	CC-03	Primary	VA25C8047-002	2025-10-18	<2.0	121	229	129	112	8.21	140	<3.0	0.56	10.3	<0.0050	<0.0050	<0.50
	CC-03	Primary	VA25C8919-003	2025-10-26	<2.0	114	222	106	109	8.20	144	<3.0	0.43	13.0	<0.0050	<0.0050	<0.50
	CC-03	Primary	VA25C9099-001	2025-10-28	<2.0	116	230	113	114	8.11	158	<3.0	0.41	12.0	<0.0050	<0.0050	<0.50
	CC-03	Primary	VA25D0189-006	2025-11-10	<2.0	115	224	117	116	8.24	141	<3.0	0.38	11.4	<0.0050	<0.0050	<0.50
	CC-03	Primary	VA25D4214-002	2025-12-26	<2.0	131	246	128	129	8.24	158	<3.0	0.93	10.7	<0.0050	<0.0050	<0.50
	CC-03	Duplicate	VA25A5381-003	2025-03-10	<2.0	112	207	103	101	8.30	118	3.2	0.48	-	<0.0050	<0.0050	<0.50

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Physical Tests										Cyanides		
					Acidity (as CaCO ₃)	Alkalinity, Total (as CaCO ₃)	Conductivity	Hardness (as CaCO ₃), Dissolved	Hardness (as CaCO ₃), from Total Ca/Mg	pH	Total Dissolved Solids	Total Suspended Solids	Turbidity	Colour, True	Cyanide, Strong Acid Dissociable (Total)	Cyanide, Weak Acid Dissociable	Thiocyanate
					mg/L	mg/L	µS/cm	mg/L	mg/L	pH units	mg/L	mg/L	NTU	CU	mg/L	mg/L	mg/L
Chedakuz Creek (cont'd)	CC-03	Duplicate	VA25B0962-008	2025-05-11	<2.0	61.7	121	58.3	61.4	7.97	79	4.8	1.08	-	<0.0050	<0.0050	<0.50
	CC-03	Duplicate	VA25B5529-002	2025-06-24	<2.0	89.1	168	89.2	90.9	8.13	135	<3.0	1.11	-	<0.0050	<0.0050	<0.50
	CC-03	Duplicate	VA25C8919-004	2025-10-26	<2.0	113	221	109	112	8.10	144	<3.0	0.41	13.5	<0.0050	<0.0050	<0.50
	CC-03	Duplicate	VA25D4214-003	2025-12-26	<2.0	131	245	124	131	8.25	157	<3.0	0.92	11.1	<0.0050	<0.0050	<0.50
	CC-05	Primary	VA25A4598-003	2025-02-28	<2.0	112	215	94.6	99.8	8.26	142	<3.0	0.63	-	<0.0050	<0.0050	<0.50
	CC-05	Primary	VA25B0343-002	2025-05-04	<2.0	37.8	76.7	36.9	37.8	7.73	83	7.7	3.47	-	<0.0050	<0.0050	<0.50
	CC-05	Primary	VA25B7427-004	2025-07-14	<2.0	90.4	171	86.1	86.9	8.19	123	<3.0	1.67	-	<0.0050	<0.0050	<0.50
	CC-05	Primary	VA25D0189-007	2025-11-10	2.1	92.1	180	91.2	92.3	8.13	116	<3.0	0.74	13.2	<0.0050	<0.0050	<0.50
	CC-05	Duplicate	VA25A4598-004	2025-02-28	<2.0	112	214	97.2	99.2	8.27	136	<3.0	0.55	-	<0.0050	<0.0050	<0.50
	CC-05	Duplicate	VA25B0343-003	2025-05-04	<2.0	37.6	76.0	36.4	38.4	7.73	77	7.7	3.38	-	<0.0050	<0.0050	<0.50
	CC-10	Primary	VA25A3507-005	2025-02-17	<2.0	82.2	164	77.2	82.4	8.02	126	<3.0	0.63	-	<0.0050	<0.0050	<0.50
	CC-10	Primary	VA25B1482-006	2025-05-14	<2.0	76.8	153	73.2	69.1	7.91	102	<3.0	0.89	-	<0.0050	<0.0050	<0.50
	CC-10	Primary	VA25B9374-003	2025-08-03	<2.0	73.0	146	73.4	68.8	8.69	86	<3.0	0.62	-	<0.0050	<0.0050	<0.50
	CC-10	Primary	VA25D1976-005	2025-11-26	2.0	78.8	151	77.2	76.2	8.01	103	<3.0	1.23	10.1	<0.0050	<0.0050	<0.50
	CC-15	Primary	VA25A0964-004	2025-01-13	2.2	78.1	162	70.2	68.4	8.03	94	<3.0	0.98	-	<0.0050	<0.0050	<0.50
	CC-15	Primary	VA25A3507-003	2025-02-17	<2.0	84.0	166	73.0	80.1	8.05	121	<3.0	0.63	-	<0.0050	<0.0050	<0.50
	CC-15	Primary	VA25A5268-001	2025-03-09	2.2	75.2	150	70.7	74.8	7.91	99	6.2	2.17	-	<0.0050	<0.0050	<0.50
	CC-15	Primary	VA25A7310-001	2025-04-01	<2.0	75.6	152	69.7	66.9	8.01	102	<3.0	2.63	-	<0.0050	<0.0050	0.51
	CC-15	Primary	VA25B0438-004	2025-05-05	2.1	62.1	127	59.6	60.0	7.77	85	6.2	2.55	-	<0.0050	<0.0050	<0.50
	CC-15	Primary	VA25B1094-002	2025-05-12	<2.0	63.1	129	58.9	60.8	8.01	94	9.5	3.65	-	<0.0050	<0.0050	<0.50
	CC-15	Primary	VA25B1721-003	2025-05-19	2.0	53.6	115	53.6	54.0	7.96	94	21.2	6.93	-	<0.0050	<0.0050	<0.50
	CC-15	Primary	VA25B2427-001	2025-05-26	<2.0	64.1	128	58.9	61.0	8.08	96	9.9	2.96	-	<0.0050	<0.0050	<0.50
	CC-15	Primary	VA25B3822-001	2025-06-02	<2.0	68.2	138	63.6	62.1	7.89	113	7.2	3.31	-	<0.0050	<0.0050	<0.50
	CC-15	Primary	VA25B5722-002	2025-06-23	<2.0	67.6	134	69.4	61.2	8.06	95	5.6	3.21	-	<0.0050	<0.0050	<0.50
	CC-15	Primary	VA25B6834-002	2025-07-07	<2.0	67.4	138	63.0	63.8	8.08	100	<3.0	1.42	-	<0.0050	<0.0050	<0.50
	CC-15	Primary	VA25B9366-003	2025-08-04	<2.0	69.2	140	65.5	71.4	8.58	96	<3.0	1.90	-	<0.0050	<0.0050	<0.50
	CC-15	Primary	VA25C4967-007	2025-09-17	2.2	75.0	154	75.9	71.6	7.98	102	9.1	3.75	15.0	<0.0050	<0.0050	<0.50
	CC-15	Primary	VA25C6908-002	2025-10-08	<2.0	75.1	150	68.9	72.1	7.89	102	<3.0	1.36	15.0	<0.0050	<0.0050	<0.50
	CC-15	Primary	VA25C7563-002	2025-10-14	<2.0	73.7	146	68.7	70.7	8.05	106	<3.0	1.67	14.2	<0.0050	<0.0050	<0.50
	CC-15	Primary	VA25C8358-003	2025-10-20	<2.0	73.0	144	71.0	68.2	7.93	82	<3.0	1.29	13.4	<0.0050	<0.0050	<0.50
	CC-15	Primary	VA25C8919-009	2025-10-27	2.1	69.8	141	66.3	68.2	7.93	88	<3.0	2.61	15.6	<0.0050	<0.0050	<0.50
	CC-15	Primary	VA25C9101-003	2025-10-29	<2.0	71.9	143	65.5	65.9	8.07	103	3.3	2.50	16.0	<0.0050	<0.0050	<0.50
	CC-15	Primary	VA25D1976-002	2025-11-26	2.5	77.8	148	76.6	72.8	7.89	106	<3.0	1.29	13.0	<0.0050	<0.0050	<0.50
	CC-15	Primary	VA25D4214-008	2025-12-27	3.1	77.7	155	71.3	76.3	7.84	105	<3.0	1.42	12.7	<0.0050	<0.0050	<0.50
	CC-15	Duplicate	VA25A3507-004	2025-02-17	<2.0	129	248	74.9	77.5	8.08	125	<3.0	0.59	-	<0.0050	<0.0050	<0.50
	CC-15	Duplicate	VA25A5268-002	2025-03-09	2.1	76.3	154	70.2	76.4	7.93	97	4.6	2.29	-	<0.0050	<0.0050	<0.50
	CC-15	Duplicate	VA25A7310-002	2025-04-01	<2.0	74.9	165	69.8	67.2	7.98	109	<3.0	2.57	-	<0.0050	<0.0050	<0.50
	CC-15	Duplicate	VA25B9366-004	2025-08-04	<2.0	70.7	140	67.1	71.4	8.57	102	<3.0	1.79	-	<0.0050	<0.0050	<0.50
	CC-15	Duplicate	VA25C8358-004	2025-10-20	<2.0	72.4	146	73.3	68.9	7.91	90	4.6	1.28	12.3	<0.0050	<0.0050	<0.50
	CC-15	Duplicate	VA25D1976-003	2025-11-26	2.5	77.9	148	76.7	72.1	7.90	109	<3.0	1.21	13.4	<0.0050	<0.0050	<0.50
	CC-20	Primary	VA25A1845-002	2025-01-26	<2.0	79.2	153	70.2	74.3	7.99	108	<3.0	0.60	-	<0.0050	<0.0050	<0.50
	CC-20	Primary	VA25A3507-002	2025-02-17	2.5	82.3	162	117	128	8.00	184	<3.0	0.94	-	<0.0050	<0.0050	<0.50
	CC-20	Primary	VA25A5560-001	2025-03-11	<2.0	75.5	147	71.0	76.5	8.22	103	<3.0	1.56	-	<0.0050	<0.0050	<0.50
	CC-20	Primary	VA25A8058-003	2025-04-09	<2.0	66.2	142	65.8	66.2	7.99	89	7.3	4.14	-	<0.0050	<0.0050	<0.50
	CC-20	Primary	VA25B0438-005	2025-05-05	2.2	62.4	126	60.4	57.7	7.76	92	5.6	2.65	-	<0.0050	<0.0050	<0.50
	CC-20	Primary	VA25B1094-001	2025-05-12	<2.0	62.4	129	58.8	59.1	8.00	91	6.5	2.60	-	<0.0050	<0.0050	<0.50
	CC-20	Primary	VA25B1721-002	2025-05-19	2.1	53.7	114	53.4	53.8	7.95	92	16.6	6.65	-	<0.0050	<0.0050	<0.50
	CC-20	Primary	VA25B2427-002	2025-05-26	<2.0	64.0	130	57.6	60.9	8.07	102	6.7	2.81	-	<0.0050	<0.0050	<0.50
	CC-20	Primary	VA25B3822-002	2025-06-02	2.0	67.5	134	61.9	62.8	7.91	105	6.4	2.55	-	<0.0050	<0.0050	<0.50
	CC-20	Primary	VA25B5722-001	2025-06-23	<2.0	68.0	136	67.6	63.2	8.06	95	4.2	3.02	-	<0.0050	<0.0050	<0.50
	CC-20	Primary	VA25B6834-001	2025-07-07	<2.0	69.2	139	64.1	66.8	8.05	102	<3.0	1.68	-	<0.0050	<0.0050	<0.50
	CC-20	Primary	VA25C0017-003	2025-08-10	<2.0	72.0	147	69.1	67.2	8.16	105	<3.0	1.81	-	<0.0050	<0.0050	<0.50
	CC-20	Primary	VA25C4967-008	2025-09-17	<2.0	77.1	156	77.2	76.0	8.04	103	<3.0	1.58	15.7	<0.0050	<0.0050	<0.50

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Physical Tests										Cyanides		
					Acidity (as CaCO ₃)	Alkalinity, Total (as CaCO ₃)	Conductivity	Hardness (as CaCO ₃), Dissolved	Hardness (as CaCO ₃), from Total Ca/Mg	pH	Total Dissolved Solids	Total Suspended Solids	Turbidity	Colour, True	Cyanide, Strong Acid Dissociable (Total)	Cyanide, Weak Acid Dissociable	Thiocyanate
					mg/L	mg/L	µS/cm	mg/L	mg/L	pH units	mg/L	mg/L	NTU	CU	mg/L	mg/L	mg/L
Chedakuz Creek (cont'd)	CC-20	Primary	VA25C6908-001	2025-10-08	<2.0	78.2	152	70.9	72.6	7.89	101	<3.0	1.61	13.1	<0.0050	<0.0050	<0.50
	CC-20	Primary	VA25C7563-001	2025-10-14	<2.0	73.9	149	73.1	70.7	8.01	105	3.1	1.21	13.3	<0.0050	<0.0050	<0.50
	CC-20	Primary	VA25C8358-005	2025-10-20	<2.0	72.6	148	71.9	70.2	7.96	90	3.6	0.89	14.3	<0.0050	<0.0050	<0.50
	CC-20	Primary	VA25C8919-008	2025-10-27	2.1	70.5	143	66.2	67.7	7.92	102	<3.0	2.32	14.2	<0.0050	<0.0050	<0.50
	CC-20	Primary	VA25C9101-008	2025-10-29	<2.0	73.1	145	64.6	68.5	8.10	101	3.9	2.24	14.5	<0.0050	<0.0050	<0.50
	CC-20	Primary	VA25D1976-001	2025-11-26	2.7	79.2	150	75.7	72.7	7.88	110	<3.0	1.57	10.3	<0.0050	<0.0050	<0.50
	CC-20	Primary	VA25D4214-007	2025-12-27	3.1	78.3	155	73.0	74.6	7.80	104	<3.0	1.24	12.7	<0.0050	<0.0050	<0.50
	CC-20	Duplicate	VA25A1845-003	2025-01-26	<2.0	79.3	154	70.5	76.8	7.98	116	<3.0	0.59	-	<0.0050	<0.0050	<0.50
	CC-20	Duplicate	VA25A8058-004	2025-04-09	<2.0	65.5	138	65.7	65.4	7.99	92	5.9	3.92	-	<0.0050	<0.0050	<0.50
	CC-20	Duplicate	VA25B6834-007	2025-07-07	<2.0	69.7	139	65.3	63.6	8.06	98	<3.0	1.48	-	<0.0050	<0.0050	<0.50
	CC-30	Primary	VA25A5560-002	2025-03-11	<2.0	85.8	166	78.4	85.6	8.12	115	<3.0	1.32	-	<0.0050	<0.0050	<0.50
	CC-30	Primary	VA25A8058-002	2025-04-09	<2.0	69.0	143	68.0	64.5	7.99	97	11.1	5.56	-	<0.0050	<0.0050	<0.50
	CC-30	Primary	VA25B7192-002	2025-07-13	<2.0	77.0	152	71.8	69.7	8.13	104	<3.0	2.10	-	<0.0050	<0.0050	<0.50
	CC-30	Primary	VA25C6737-003	2025-10-05	<2.0	87.6	170	81.5	82.1	8.17	119	<3.0	2.35	19.6	<0.0050	<0.0050	<0.50
	CC-30	Duplicate	VA25B7192-003	2025-07-13	<2.0	76.3	152	70.2	70.2	8.13	107	3.8	2.39	-	<0.0050	<0.0050	<0.50
	CC-40	Primary	VA25A1845-001	2025-01-26	2.0	93.8	180	83.4	91.5	7.96	128	<3.0	1.08	-	<0.0050	<0.0050	<0.50
	CC-40	Primary	VA25A3507-001	2025-02-17	2.9	99.9	193	87.2	91.8	7.89	137	<3.0	1.26	-	<0.0050	<0.0050	<0.50
	CC-40	Primary	VA25A5560-003	2025-03-11	<2.0	88.4	172	81.7	87.1	8.16	125	<3.0	1.24	-	<0.0050	<0.0050	<0.50
	CC-40	Primary	VA25A8058-001	2025-04-09	<2.0	70.7	143	68.7	66.3	7.99	96	8.1	5.62	-	<0.0050	<0.0050	<0.50
	CC-40	Primary	VA25B0438-006	2025-05-05	2.1	56.2	114	53.3	54.9	7.78	83	6.2	3.79	-	<0.0050	<0.0050	<0.50
	CC-40	Primary	VA25B1094-003	2025-05-12	<2.0	60.5	124	56.6	56.3	7.93	89	5.5	2.37	-	<0.0050	<0.0050	<0.50
	CC-40	Primary	VA25B1721-001	2025-05-19	2.5	51.4	108	49.1	50.4	7.90	92	20.2	8.03	-	<0.0050	<0.0050	<0.50
	CC-40	Primary	VA25B2427-003	2025-05-26	<2.0	61.2	124	56.1	57.2	8.01	94	9.1	3.54	-	<0.0050	<0.0050	<0.50
	CC-40	Primary	VA25B3822-003	2025-06-02	<2.0	68.2	134	62.3	62.0	7.94	102	5.8	3.26	-	<0.0050	<0.0050	<0.50
	CC-40	Primary	VA25B5256-001	2025-06-22	<2.0	71.7	140	70.2	69.0	7.97	97	5.2	2.25	-	<0.0050	<0.0050	<0.50
	CC-40	Primary	VA25B7192-001	2025-07-13	<2.0	78.8	159	71.9	71.9	8.05	105	<3.0	1.88	-	<0.0050	<0.0050	<0.50
	CC-40	Primary	VA25B9374-001	2025-08-03	<2.0	86.4	170	85.1	77.7	8.10	100	3.2	1.56	-	<0.0050	<0.0050	<0.50
	CC-40	Primary	VA25C4967-009	2025-09-17	<2.0	97.4	188	91.7	89.0	8.16	117	<3.0	1.61	18.9	<0.0050	<0.0050	<0.50
	CC-40	Primary	VA25C6737-001	2025-10-05	<2.0	94.5	183	89.5	89.4	8.15	119	<3.0	2.23	18.2	<0.0050	<0.0050	<0.50
	CC-40	Primary	VA25C7563-004	2025-10-14	<2.0	95.6	184	89.3	85.5	8.12	118	<3.0	1.80	21.4	<0.0050	<0.0050	<0.50
	CC-40	Primary	VA25C8358-001	2025-10-20	<2.0	94.4	180	88.9	89.8	8.09	113	<3.0	1.66	19.0	<0.0050	<0.0050	<0.50
	CC-40	Primary	VA25C8919-007	2025-10-27	<2.0	90.9	176	80.6	84.8	8.07	112	<3.0	1.64	19.1	<0.0050	<0.0050	<0.50
	CC-40	Primary	VA25C9101-001	2025-10-29	<2.0	90.2	176	77.7	80.3	8.19	113	<3.0	2.00	19.5	<0.0050	<0.0050	<0.50
	CC-40	Primary	VA25D1004-001	2025-11-17	<2.0	89.4	172	79.5	80.9	8.16	110	<3.0	1.92	14.8	<0.0050	<0.0050	<0.50
	CC-40	Primary	VA25D4214-006	2025-12-27	4.5	91.6	176	84.0	92.0	7.71	116	<3.0	1.49	16.2	<0.0050	<0.0050	<0.50
	CC-40	Duplicate	VA25B5256-002	2025-06-22	<2.0	71.9	139	69.2	67.6	7.99	99	5.2	2.19	-	<0.0050	<0.0050	<0.50
	CC-40	Duplicate	VA25B9374-002	2025-08-03	<2.0	87.4	170	82.4	78.2	8.09	104	<3.0	1.59	-	<0.0050	<0.0050	<0.50
	CC-40	Duplicate	VA25C6737-002	2025-10-05	<2.0	95.2	183	87.6	86.9	8.16	122	<3.0	2.17	18.2	<0.0050	<0.0050	<0.50
	CC-40	Duplicate	VA25D1004-002	2025-11-17	<2.0	88.7	171	81.5	80.2	8.15	118	<3.0	1.71	14.4	<0.0050	<0.0050	<0.50
Creek 705	705-05	Primary	VA25A1845-006	2025-01-26	2.3	27.2	56.1	22.9	24.4	7.38	53	<3.0	0.55	-	<0.0050	<0.0050	<0.50
	705-05	Primary	VA25A4183-002	2025-02-24	3.1	26.6	59.3	23.9	23.9	7.48	46	<3.0	0.85	-	<0.0050	<0.0050	<0.50
	705-05	Primary	VA25A5561-002	2025-03-11	<2.0	26.0	56.4	22.5	26.7	7.62	42.7	<1.0	0.79	-	<0.0050	<0.0050	<0.50
	705-05	Primary	VA25A9690-001	2025-04-27	3.9	14.8	40.5	19.1	17.7	7.10	53	3.8	2.27	-	<0.0050	<0.0050	0.65
	705-05	Primary	VA25B0438-002	2025-05-05	2.7	13.6	32.7	15.8	15.4	7.09	42	<3.0	0.97	-	<0.0050	<0.0050	<0.50
	705-05	Primary	VA25B5930-001	2025-06-27	<2.0	22.5	44.1	19.7	20.1	7.23	50	<1.0	0.61	-	<0.0050	<0.0050	<0.50
	705-05	Primary	VA25B7427-008	2025-07-14	2.9	24.5	49.5	22.6	22.3	7.44	54	<3.0	1.11	-	<0.0050	<0.0050	<0.50
	705-05	Primary	VA25B9438-001	2025-08-04	3.8	31.2	62.2	26.8	29.0	7.30	56	1.6	2.37	-	<0.0050	<0.0050	<0.50
	705-05	Primary	VA25C3886-003	2025-09-10	<2.0	38.3	73.3	33.5	34.9	7.64	66	<3.0	2.27	35.5	<0.0050	<0.0050	<0.50
	705-05	Primary	VA25C8358-007	2025-10-20	<2.0	31.2	62.4	26.7	25.0	7.26	41	5.0	2.75	26.1	<0.0050	<0.0050	<0.50
	705-05	Primary	VA25D0570-001	2025-11-12	<2.0	25.3	50.4	23.7	23.2	7.42	41	<1.0	1.51	27.9	<0.0050	<0.0050	<0.50
	705-05	Primary	VA25D3939-003	2025-12-17	3.3	24.5	50.3	22.8	22.5	7.16	56	47.9	10.1	27.6	<0.0050	<0.0050	<0.50
	705-05	Duplicate	VA25A4183-003	2025-02-24	3.0	26.5	59.3	23.4	23.4	7.49	50	<3.0	0.77	-	<0.0050	<0.0050	<0.50
	705-05	Duplicate	VA25A9690-002	2025-04-27	3.6	14.7	39.5	19.4	17.4	7.10	51	<3.0	2.16	-	<0.0050	<0.0050	0.61

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Physical Tests										Cyanides		
					Acidity (as CaCO ₃)	Alkalinity, Total (as CaCO ₃)	Conductivity	Hardness (as CaCO ₃), Dissolved	Hardness (as CaCO ₃), from Total Ca/Mg	pH	Total Dissolved Solids	Total Suspended Solids	Turbidity	Colour, True	Cyanide, Strong Acid Dissociable (Total)	Cyanide, Weak Acid Dissociable	Thiocyanate
					mg/L	mg/L	µS/cm	mg/L	mg/L	pH units	mg/L	mg/L	NTU	CU	mg/L	mg/L	mg/L
Creek 705 <i>(cont'd)</i>	705-05	Duplicate	VA25B0438-008	2025-05-05	2.7	13.8	33.3	15.8	15.5	7.09	45	<3.0	0.99	-	<0.0050	<0.0050	<0.50
	705-10	Primary	VA25A0226-002	2025-01-05	2.4	29.7	60.9	26.2	27.4	7.63	62	<3.0	0.51	-	<0.0050	<0.0050	<0.50
	705-10	Primary	VA25A2544-003	2025-02-03	<2.0	30.4	66.7	28.9	28.1	7.60	39	<3.0	0.31	-	<0.0050	<0.0050	<0.50
	705-10	Primary	VA25A5321-001	2025-03-05	<2.0	31.6	69.0	28.8	28.6	7.68	50	<3.0	0.34	-	<0.0050	<0.0050	<0.50
	705-10	Primary	VA25A7634-001	2025-04-03	2.0	29.9	64.0	27.8	29.0	7.55	62	<3.0	1.58	-	<0.0050	<0.0050	0.66
	705-10	Primary	VA25B0438-003	2025-05-05	2.6	16.4	38.1	18.4	18.8	7.22	45	<3.0	1.75	-	<0.0050	<0.0050	<0.50
	705-10	Primary	VA25B1094-007	2025-05-12	2.6	16.9	41.9	18.7	19.6	7.36	53	<3.0	1.36	-	<0.0050	<0.0050	<0.50
	705-10	Primary	VA25B1721-004	2025-05-19	3.2	13.3	37.1	18.0	18.9	7.25	66	8.0	3.88	-	<0.0050	<0.0050	0.63
	705-10	Primary	VA25B2427-004	2025-05-26	2.5	18.0	41.9	19.3	19.0	7.48	58	<3.0	1.17	-	<0.0050	<0.0050	<0.50
	705-10	Primary	VA25B3822-004	2025-06-02	2.4	19.9	44.1	19.8	20.1	7.38	45	<3.0	1.05	-	<0.0050	<0.0050	<0.50
	705-10	Primary	VA25B5784-001	2025-06-25	2.1	27.6	53.2	24.3	24.8	7.66	53	<1.0	0.51	-	<0.0050	<0.0050	<0.50
	705-10	Primary	VA25B7427-007	2025-07-14	<2.0	27.2	54.7	24.8	25.2	7.61	60	<3.0	0.70	-	<0.0050	<0.0050	<0.50
	705-10	Primary	VA25B9438-002	2025-08-04	2.0	34.4	69.7	29.9	32.9	7.69	56	1.2	0.32	-	<0.0050	<0.0050	<0.50
	705-10	Primary	VA25C3699-002	2025-09-09	3.0	41.9	79.8	36.3	35.5	7.59	62	<3.0	0.40	-	<0.0050	<0.0050	<0.50
	705-10	Primary	VA25C7355-001	2025-10-07	2.1	37.8	76.2	34.6	34.9	7.74	68	<3.0	0.19	11.1	<0.0050	<0.0050	<0.50
	705-10	Primary	VA25C7563-008	2025-10-14	<2.0	40.2	78.5	34.9	34.7	7.69	60	<3.0	0.19	16.4	<0.0050	<0.0050	<0.50
	705-10	Primary	VA25C8047-007	2025-10-18	2.1	37.4	73.6	34.0	31.3	7.68	53	<3.0	0.31	10.2	<0.0050	<0.0050	<0.50
	705-10	Primary	VA25C8919-005	2025-10-26	<2.0	31.2	64.9	27.3	28.0	7.61	53	<3.0	0.48	20.0	<0.0050	<0.0050	<0.50
	705-10	Primary	VA25C9101-005	2025-10-29	<2.0	30.9	64.2	27.4	27.8	7.75	56	<3.0	0.49	22.6	<0.0050	<0.0050	<0.50
	705-10	Primary	VA25C9690-001	2025-11-02	2.2	33.2	67.7	30.8	30.3	7.65	54	<3.0	0.27	17.5	<0.0050	<0.0050	<0.50
	705-10	Primary	VA25D3069-001	2025-12-08	2.4	29.9	64.0	27.3	27.7	7.51	53	1.3	0.99	16.0	<0.0050	<0.0050	<0.50
	705-10	Duplicate	VA25A5321-002	2025-03-05	<2.0	31.8	69.8	28.6	27.6	7.68	56	<3.0	0.37	-	<0.0050	<0.0050	<0.50
	705-10	Duplicate	VA25B1721-005	2025-05-19	3.2	13.8	36.6	18.4	18.8	7.24	62	8.8	4.02	-	<0.0050	<0.0050	0.59
	705-10	Duplicate	VA25C3699-003	2025-09-09	3.0	41.7	84.2	36.7	36.6	7.60	69	<3.0	0.40	-	<0.0050	<0.0050	<0.50
	705-10	Duplicate	VA25C7355-002	2025-10-07	<2.0	37.9	77.0	33.9	35.0	7.67	67	<3.0	0.20	11.7	<0.0050	<0.0050	<0.50
	705-10	Duplicate	VA25C9690-002	2025-11-02	2.3	33.2	67.7	31.3	31.6	7.61	62	<3.0	0.28	19.1	<0.0050	<0.0050	<0.50
Fawnie Creek	FC-01	Primary	VA25A0226-001	2025-01-05	2.0	31.7	66.2	29.3	27.9	7.73	48	<3.0	<0.10	-	<0.0050	<0.0050	<0.50
	FC-01	Primary	VA25A2544-001	2025-02-03	<2.0	36.9	78.5	33.2	33.5	7.69	48	<3.0	<0.10	-	<0.0050	<0.0050	<0.50
	FC-01	Primary	VA25A6295-001	2025-03-19	<2.0	41.1	83.7	36.4	36.0	7.85	53	<1.0	<0.10	-	<0.0050	<0.0050	<0.50
	FC-01	Primary	VA25A7634-002	2025-04-03	<2.0	40.9	83.6	35.8	37.3	7.81	55	<3.0	0.36	-	<0.0050	<0.0050	<0.50
	FC-01	Primary	VA25B0438-007	2025-05-05	2.2	18.4	42.1	19.6	19.9	7.38	46	<3.0	0.90	-	<0.0050	<0.0050	<0.50
	FC-01	Primary	VA25B1094-006	2025-05-12	2.2	18.1	42.6	19.3	19.2	7.47	48	<3.0	0.52	-	<0.0050	<0.0050	<0.50
	FC-01	Primary	VA25B1721-006	2025-05-19	2.6	13.2	33.5	15.6	16.1	7.32	48	4.4	2.44	-	<0.0050	<0.0050	<0.50
	FC-01	Primary	VA25B2427-005	2025-05-26	2.4	14.3	32.9	15.8	14.9	7.40	43	<3.0	1.70	-	<0.0050	<0.0050	<0.50
	FC-01	Primary	VA25B3822-005	2025-06-02	2.2	14.8	33.9	14.8	15.5	7.36	43	<3.0	0.45	-	<0.0050	<0.0050	<0.50
	FC-01	Primary	VA25B5629-001	2025-06-23	2.0	19.3	41.0	19.1	18.7	7.33	46	<3.0	0.46	-	<0.0050	<0.0050	<0.50
	FC-01	Primary	VA25B7427-006	2025-07-14	<2.0	24.7	49.0	22.9	21.8	7.58	47	<3.0	0.14	-	<0.0050	<0.0050	<0.50
	FC-01	Primary	VA25B9438-003	2025-08-04	<2.0	29.6	60.7	25.5	28.6	7.75	52	<1.0	0.12	-	<0.0050	<0.0050	<0.50
	FC-01	Primary	VA25C5489-001	2025-09-23	<2.0	38.3	73.3	34.6	33.7	7.79	54	<3.0	<0.10	<5.0	<0.0050	<0.0050	<0.50
	FC-01	Primary	VA25C7355-003	2025-10-07	<2.0	33.2	71.3	31.7	31.4	7.62	60	<3.0	<0.10	6.2	<0.0050	<0.0050	<0.50
	FC-01	Primary	VA25C7563-007	2025-10-14	<2.0	38.2	76.0	32.5	33.0	7.77	54	<3.0	0.38	<5.0	<0.0050	<0.0050	<0.50
	FC-01	Primary	VA25C8047-006	2025-10-18	2.2	35.9	72.8	34.1	30.9	7.69	51	<3.0	0.61	<5.0	<0.0050	<0.0050	<0.50
	FC-01	Primary	VA25C8919-006	2025-10-27	2.0	33.2	69.2	30.5	30.3	7.68	54	<3.0	0.36	6.4	<0.0050	<0.0050	<0.50
	FC-01	Primary	VA25C9101-004	2025-10-29	<2.0	34.2	70.7	28.6	29.9	7.84	55	<3.0	0.37	6.3	<0.0050	<0.0050	<0.50
	FC-01	Primary	VA25C9690-003	2025-11-02	2.0	34.5	70.1	30.7	31.3	7.72	57	<3.0	0.11	5.5	<0.0050	<0.0050	<0.50
	FC-01	Primary	VA25D3069-002	2025-12-08	2.0	37.6	74.8	32.7	34.2	7.72	54	<1.0	<0.10	<5.0	<0.0050	<0.0050	<0.50
	FC-01	Duplicate	VA25A6295-002	2025-03-19	<2.0	41.4	83.7	37.8	36.4	7.85	53	<1.0	<0.10	-	<0.0050	<0.0050	<0.50

Notes:
'-' indicates parameter was not analyzed.
'<' indicates value was below the detection limit.

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Total Metals													
					Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Bismuth, Total	Boron, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Davidson Creek	DC-05	Primary	VA25A0824-004	2025-01-12	0.220	<0.00010	0.00061	0.00936	<0.000020	<0.000050	<0.010	<0.0000050	12.6	<0.00050	<0.00010	<0.00050	0.176	0.000093
	DC-05	Primary	VA25A2544-005	2025-02-03	0.0684	<0.00010	0.00056	0.00914	<0.000020	<0.000050	<0.010	<0.0000050	15.9	<0.00050	<0.00010	<0.00050	0.053	<0.000050
	DC-05	Primary	VA25A6706-002	2025-03-25	0.390	<0.00010	0.00090	0.0121	<0.000020	<0.000050	<0.010	0.0000085	17.5	0.00058	0.00011	<0.00050	0.274	0.000242
	DC-05	Primary	VA25A7611-001	2025-04-04	0.526	<0.00010	0.00095	0.0121	0.000022	<0.000050	<0.010	0.0000097	15.0	0.00054	0.00014	0.00063	0.375	0.000278
	DC-05	Primary	VA25B0343-008	2025-05-04	0.414	<0.00010	0.00073	0.00850	0.000032	<0.000050	<0.010	0.0000107	4.91	<0.00050	0.00011	0.00079	0.254	0.000135
	DC-05	Primary	VA25B0962-003	2025-05-11	0.382	<0.00010	0.00112	0.00842	0.000030	<0.000050	<0.010	0.0000084	5.00	<0.00050	0.00013	0.00084	0.290	0.000231
	DC-05	Primary	VA25B1482-007	2025-05-14	0.266	<0.00010	0.00089	0.00760	0.000026	<0.000050	<0.010	0.0000085	4.81	<0.00050	<0.00010	0.00075	0.188	0.000135
	DC-05	Primary	VA25B2274-005	2025-05-25	0.337	<0.00010	0.00084	0.00790	0.000030	<0.000050	<0.010	0.0000108	4.92	<0.00050	0.00010	0.00076	0.235	0.000158
	DC-05	Primary	VA25B2953-004	2025-06-01	0.316	<0.00010	0.00113	0.00578	0.000027	<0.000050	<0.010	0.0000144	5.05	<0.00050	<0.00010	0.00077	0.210	0.000196
	DC-05	Primary	VA25B5984-001	2025-06-29	0.930	0.00015	0.00241	0.0110	0.000042	<0.000050	<0.010	0.0000503	7.33	0.00068	0.00030	0.00135	0.664	0.00101
	DC-05	Primary	VA25B6851-002	2025-07-08	0.671	0.00011	0.00175	0.0126	0.000032	<0.000050	<0.010	0.0000343	12.6	0.00057	0.00029	0.00094	0.451	0.000604
	DC-05	Primary	VA25C0003-001	2025-08-10	0.572	0.00012	0.00203	0.0113	0.000028	<0.000050	<0.010	0.0000305	12.0	<0.00050	0.00113	0.00086	0.380	0.000469
	DC-05	Primary	VA25C5489-003	2025-09-23	0.144	0.00011	0.00107	0.0102	<0.000020	<0.000050	<0.010	0.0000118	12.7	<0.00050	0.00067	<0.00050	0.150	0.000125
	DC-05	Primary	VA25C7355-004	2025-10-07	0.612	0.00018	0.00231	0.0106	0.000030	<0.000050	<0.010	0.0000540	10.6	0.00062	0.00083	0.00120	0.597	0.000900
	DC-05	Primary	VA25C7563-005	2025-10-14	0.149	0.00011	0.00094	0.00757	<0.000020	<0.000050	<0.010	0.0000186	11.6	<0.00050	0.00101	<0.00050	0.150	0.000119
	DC-05	Primary	VA25C8047-004	2025-10-18	0.111	<0.00010	0.00081	0.00838	<0.000020	<0.000050	<0.010	0.0000160	12.4	<0.00050	0.00130	0.00099	0.146	0.000094
	DC-05	Primary	VA25C9101-010	2025-10-29	0.792	0.00012	0.00142	0.0134	0.000043	<0.000050	<0.010	0.0000187	10.3	0.00076	0.00126	0.00102	0.610	0.000663
	DC-05	Primary	VA25C9485-001	2025-10-31	0.849	0.00012	0.00170	0.0149	0.000042	<0.000050	<0.010	0.0000279	10.8	0.00085	0.00140	0.00127	0.728	0.000849
	DC-05	Primary	VA25D0189-001	2025-11-09	0.188	<0.00010	0.00071	0.00791	<0.000020	<0.000050	<0.010	0.0000114	11.7	<0.00050	0.00180	<0.00050	0.173	0.000204
	DC-05	Primary	VA25D1021-002	2025-11-16	0.213	<0.00010	0.00066	0.00903	<0.000020	<0.000050	<0.010	0.0000096	9.97	<0.00050	0.00146	<0.00050	0.182	0.000103
	DC-05	Primary	VA25D2832-001	2025-12-05	0.138	<0.00010	0.00062	0.00849	<0.000020	<0.000050	<0.010	0.0000079	12.7	<0.00050	0.00228	<0.00050	0.131	0.000086
	DC-05	Duplicate	VA25A0824-005	2025-01-12	0.183	<0.00010	0.00059	0.00879	<0.000020	<0.000050	<0.010	<0.0000050	12.1	<0.00050	<0.00010	<0.00050	0.145	0.000076
	DC-05	Duplicate	VA25A7611-002	2025-04-04	0.499	<0.00010	0.00091	0.0116	0.000021	<0.000050	<0.010	0.0000088	15.3	0.00054	0.00014	0.00061	0.359	0.000270
	DC-05	Duplicate	VA25B6851-003	2025-07-08	0.667	0.00011	0.00176	0.0124	0.000037	<0.000050	<0.010	0.0000352	12.1	0.00061	0.00032	0.00094	0.430	0.000586
	DC-05	Duplicate	VA25C7563-006	2025-10-14	0.177	0.00012	0.00100	0.00711	<0.000020	<0.000050	<0.010	0.0000211	10.9	<0.00050	0.00101	0.00063	0.167	0.000126
	DC-05	Duplicate	VA25C9485-002	2025-10-31	0.835	0.00012	0.00162	0.0145	0.000040	<0.000050	<0.010	0.0000299	11.0	0.00087	0.00139	0.00132	0.707	0.000820
	DC-10	Primary	VA25A0824-006	2025-01-12	0.147	<0.00010	0.00053	0.00877	<0.000020	<0.000050	<0.010	<0.0000050	12.2	<0.00050	<0.00010	<0.00050	0.096	0.000051
	DC-10	Primary	VA25A2647-001	2025-02-04	0.0591	<0.00010	0.00051	0.00962	<0.000020	<0.000050	<0.010	<0.0000050	15.9	<0.00050	<0.00010	<0.00050	0.047	<0.000050
	DC-10	Primary	VA25A6706-004	2025-03-25	0.336	<0.00010	0.00085	0.0122	<0.000020	<0.000050	<0.010	<0.0000050	16.2	0.00050	<0.00010	<0.00050	0.232	0.000225
	DC-10	Primary	VA25A7611-003	2025-04-04	0.515	<0.00010	0.00093	0.0124	<0.000020	<0.000050	<0.010	0.0000078	15.8	0.00058	0.00015	0.00065	0.374	0.000288
	DC-10	Primary	VA25B0343-009	2025-05-04	0.402	<0.00010	0.00074	0.00845	0.000029	<0.000050	<0.010	<0.0000050	4.99	<0.00050	0.00010	0.00076	0.232	0.000130
	DC-10	Primary	VA25B5984-002	2025-06-29	0.818	0.00014	0.00219	0.0108	0.000042	<0.000050	<0.010	0.0000424	7.66	0.00060	0.00025	0.00126	0.589	0.000872
	DC-10	Primary	VA25B6851-004	2025-07-08	0.352	<0.00010	0.00123	0.0113	<0.000020	<0.000050	<0.010	0.0000219	12.1	<0.00050	0.00021	0.00066	0.222	0.000280
	DC-10	Primary	VA25C0017-004	2025-08-10	0.195	<0.00010	0.00122	0.0102	<0.000020	<0.000050	<0.010	0.0000135	12.0	<0.00050	0.00092	0.00052	0.148	0.000150
	DC-10	Primary	VA25C4751-001	2025-09-15	0.0729	<0.00010	0.00087	0.0104	<0.000020	<0.000050	<0.010	0.0000079	17.4	<0.00050	0.00299	<0.00050	0.063	<0.000050
	DC-10	Primary	VA25C9101-011	2025-10-29														

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Total Metals													
					Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Bismuth, Total	Boron, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Davidson Creek (cont'd)	DC-20	Primary	VA25A2647-003	2025-02-04	0.0359	<0.00010	0.00046	0.0100	<0.000020	<0.000050	<0.010	<0.0000050	17.7	<0.00050	<0.00010	<0.00050	0.268	<0.000050
	DC-20	Primary	VA25A4955-001	2025-03-04	0.176	<0.00010	0.00075	0.0120	<0.000020	<0.000050	<0.010	0.0000072	18.4	<0.00050	<0.00010	<0.00050	0.416	0.000150
	DC-20	Primary	VA25A7310-003	2025-04-01	0.295	<0.00010	0.00090	0.0120	<0.000020	<0.000050	<0.010	0.0000111	14.6	0.00218	0.00016	0.00062	0.555	0.000188
	DC-20	Primary	VA25B0343-010	2025-05-04	0.318	<0.00010	0.00059	0.00806	0.000022	<0.000050	<0.010	<0.0000050	7.14	<0.00050	0.00011	0.00078	0.271	0.000105
	DC-20	Primary	VA25B0962-001	2025-05-11	0.214	<0.00010	0.00091	0.00732	0.000021	<0.000050	<0.010	0.0000066	7.51	<0.00050	0.00011	0.00067	0.237	0.000114
	DC-20	Primary	VA25B1482-008	2025-05-14	0.213	<0.00010	0.00066	0.00734	0.000022	<0.000050	<0.010	<0.0000050	6.96	<0.00050	<0.00010	0.00070	0.216	0.000087
	DC-20	Primary	VA25B2274-006	2025-05-25	0.193	<0.00010	0.00062	0.00745	<0.000020	<0.000050	<0.010	<0.0000050	7.81	<0.00050	<0.00010	0.00065	0.219	0.000072
	DC-20	Primary	VA25B2953-005	2025-06-01	0.441	0.00012	0.00117	0.00863	0.000029	<0.000050	<0.010	0.0000145	8.14	<0.00050	0.00013	0.00093	0.383	0.000369
	DC-20	Primary	VA25B5722-003	2025-06-23	0.461	<0.00010	0.00161	0.0120	0.000028	<0.000050	<0.010	0.0000118	9.87	<0.00050	0.00016	0.00084	0.529	0.000406
	DC-20	Primary	VA25B6834-003	2025-07-07	0.107	<0.00010	0.00101	0.00927	<0.000020	<0.000050	<0.010	0.0000071	11.1	<0.00050	0.00010	0.00051	0.357	0.000065
	DC-20	Primary	VA25C0017-001	2025-08-10	0.0627	<0.00010	0.00126	0.0107	<0.000020	<0.000050	<0.010	0.0000061	14.4	<0.00050	0.00053	<0.00050	0.553	<0.000050
	DC-20	Primary	VA25C4967-002	2025-09-17	0.0220	<0.00010	0.00106	0.0115	<0.000020	<0.000050	<0.010	0.0000062	17.7	<0.00050	0.00127	<0.00050	0.599	<0.000050
	DC-20	Primary	VA25C6908-003	2025-10-08	0.0540	<0.00010	0.00092	0.00962	<0.000020	<0.000050	<0.010	<0.0000050	14.9	<0.00050	0.00047	<0.00050	0.569	0.000052
	DC-20	Primary	VA25C7563-003	2025-10-14	0.0525	<0.00010	0.00079	0.00930	<0.000020	<0.000050	<0.010	<0.0000050	15.1	<0.00050	0.00056	<0.00050	0.566	<0.000050
	DC-20	Primary	VA25C8358-002	2025-10-20	0.0193	<0.00010	0.00068	0.00927	<0.000020	<0.000050	<0.010	<0.0000050	15.4	<0.00050	0.00054	<0.00050	0.466	<0.000050
	DC-20	Primary	VA25C9101-002	2025-10-29	0.137	<0.00010	0.00075	0.00987	<0.000020	<0.000050	<0.010	0.0000064	14.1	<0.00050	0.00070	<0.00050	0.509	0.000102
	DC-20	Primary	VA25C9485-003	2025-10-31	0.0932	<0.00010	0.00072	0.00925	<0.000020	<0.000050	<0.010	0.0000069	15.6	<0.00050	0.00069	<0.00050	0.473	0.000059
	DC-20	Primary	VA25D1976-004	2025-11-26	0.0335	<0.00010	0.00065	0.00963	<0.000020	<0.000050	<0.010	0.0000063	16.8	<0.00050	0.00087	<0.00050	0.551	<0.000050
	DC-20	Primary	VA25D3068-004	2025-12-08	0.0211	<0.00010	0.00056	0.00881	<0.000020	<0.000050	<0.010	<0.0000050	15.0	<0.00050	0.00096	<0.00050	0.388	<0.000050
	DC-20	Duplicate	VA25B2953-006	2025-06-01	0.431	<0.00010	0.00112	0.00840	0.000029	<0.000050	<0.010	0.0000110	8.12	<0.00050	0.00013	0.00093	0.393	0.000354
DC-20	Duplicate	VA25C0017-002	2025-08-10	0.286	<0.00010	0.00151	0.0136	<0.000020	<0.000050	<0.010	0.0000086	14.4	<0.00050	0.00067	0.00061	0.880	0.000182	
Creek 661	661-01	Primary	VA25A1481-001	2025-01-20	0.0535	<0.00010	0.00074	0.00241	<0.000020	<0.000050	<0.010	<0.0000050	3.93	<0.00050	<0.00010	<0.00050	0.206	<0.000050
	661-01	Primary	VA25A8806-004	2025-04-15	0.0996	<0.00010	0.00126	0.00325	<0.000020	<0.000050	<0.010	0.0000081	3.05	<0.00050	<0.00010	<0.00050	0.688	<0.000050
	661-01	Primary	VA25B0343-004	2025-05-04	0.286	<0.00010	0.00080	0.00356	0.000031	<0.000050	<0.010	<0.0000050	2.25	<0.00050	<0.00010	0.00065	0.282	0.000057
	661-01	Primary	VA25B0962-005	2025-05-11	0.224	<0.00010	0.00052	0.00265	0.000026	<0.000050	<0.010	0.0000053	2.05	<0.00050	<0.00010	<0.00050	0.145	<0.000050
	661-01	Primary	VA25B1482-002	2025-05-14	0.203	<0.00010	0.00052	0.00270	0.000027	<0.000050	<0.010	<0.0000050	1.96	<0.00050	<0.00010	0.00054	0.130	<0.000050
	661-01	Primary	VA25B2274-001	2025-05-25	0.200	<0.00010	0.00052	0.00269	0.000029	<0.000050	<0.010	<0.0000050	1.96	<0.00050	<0.00010	<0.00050	0.109	<0.000050
	661-01	Primary	VA25B2953-001	2025-06-01	0.172	<0.00010	0.00057	0.00244	0.000027	<0.000050	<0.010	<0.0000050	2.30	<0.00050	<0.00010	<0.00050	0.106	<0.000050
	661-01	Primary	VA25B5722-006	2025-06-23	0.0803	<0.00010	0.00061	0.00235	<0.000020	<0.000050	<0.010	<0.0000050	2.80	<0.00050	<0.00010	<0.00050	0.070	<0.000050
	661-01	Primary	VA25B7427-010	2025-07-14	0.0475	<0.00010	0.00050	0.00231	<0.000020	<0.000050	<0.010	<0.0000050	3.24	<0.00050	<0.00010	<0.00050	0.060	<0.000050
	661-01	Primary	VA25C0216-002	2025-08-11	0.0436	<0.00010	0.00045	0.00276	<0.000020	<0.000050	<0.010	<0.0000050	4.08	<0.00050	<0.00010	<0.00050	0.049	<0.000050
	661-01	Primary	VA25C5489-005	2025-09-24	0.120	<0.00010	0.00060	0.00372	<0.000020	<0.000050	<0.010	0.0000173	3.90	<0.00050	0.00010	<0.00050	0.216	0.000099
	661-01	Primary	VA25C5617-001	2025-09-22	0.0398	<0.00010	0.00037	0.00248	<0.000020	<0.000050	<0.010	<0.0000050	3.70	<0.00050	<0.00010	<0.00050	0.050	<0.000050
	661-01	Primary	VA25C6039-001	2025-09-30	0.0366	<0.00010	0.00039	0.00275	<0.000020	<0.000050	<0.010	<0.0000050	3.91	<0.00050	<0.00010	<0.00050	0.058	<0.000050
	661-01	Primary	VA25C7355-006	2025-10-07														

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Total Metals													
					Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Bismuth, Total	Boron, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Creek 661 (cont'd)	661-04	Primary	VA25A4183-004	2025-02-24	0.0698	0.00012	0.00154	0.00498	<0.000020	<0.000050	<0.010	0.0000174	10.8	<0.00050	<0.00010	<0.00050	0.080	0.000056
	661-04	Primary	VA25A5225-001	2025-03-07	1.07	0.00015	0.00193	0.0136	0.000036	<0.000050	<0.010	0.0000163	11.3	0.00121	0.00035	0.00111	0.878	0.000555
	661-04	Primary	VA25A8451-001	2025-04-14	0.525	0.00015	0.00153	0.00889	0.000023	<0.000050	<0.010	0.0000339	8.32	0.00071	0.00016	0.00076	0.454	0.000386
	661-04	Primary	VA25B0438-001	2025-05-05	0.259	0.00011	0.00091	0.00426	0.000020	<0.000050	<0.010	0.0000274	4.75	<0.00050	<0.00010	0.00081	0.169	0.000109
	661-04	Primary	VA25B5932-001	2025-06-27	0.496	0.00012	0.00146	0.00732	0.000020	<0.000050	<0.010	0.0000311	7.63	0.00066	0.00016	0.00072	0.378	0.000300
	661-04	Primary	VA25B7427-009	2025-07-14	0.625	0.00012	0.00168	0.00900	0.000027	<0.000050	<0.010	0.0000341	8.79	0.00073	0.00023	0.00090	0.549	0.000446
	661-04	Primary	VA25C0216-003	2025-08-11	0.163	<0.00010	0.00158	0.00623	<0.000020	<0.000050	<0.010	0.0000268	11.8	<0.00050	<0.00010	<0.00050	0.171	0.000137
	661-04	Primary	VA25C4967-005	2025-09-17	0.133	<0.00010	0.00158	0.00641	<0.000020	<0.000050	<0.010	0.0000163	12.2	<0.00050	<0.00010	<0.00050	0.166	0.000086
	661-04	Primary	VA25C7416-002	2025-10-13	0.0981	<0.00010	0.00114	0.00494	<0.000020	<0.000050	<0.010	0.0000156	10.5	<0.00050	<0.00010	<0.00050	0.118	0.000093
	661-04	Primary	VA25D1159-004	2025-11-18	0.127	<0.00010	0.00115	0.00537	<0.000020	<0.000050	<0.010	0.0000190	10.8	<0.00050	<0.00010	<0.00050	0.149	0.000096
	661-04	Primary	VA25D3210-001	2025-12-09	0.0976	0.00011	0.00130	0.00514	<0.000020	<0.000050	<0.010	0.0000188	10.7	<0.00050	<0.00010	<0.00050	0.124	0.000094
	661-04	Duplicate	VA25A1481-003	2025-01-20	0.0567	0.00010	0.00133	0.00473	<0.000020	<0.000050	<0.010	0.0000097	10.3	<0.00050	<0.00010	<0.00050	0.071	<0.000050
	661-04	Duplicate	VA25A8451-002	2025-04-14	0.498	0.00013	0.00145	0.00849	0.000022	<0.000050	<0.010	0.0000303	8.33	0.00064	0.00015	0.00076	0.446	0.000370
	661-04	Duplicate	VA25B5932-002	2025-06-27	0.512	0.00012	0.00149	0.00729	0.000024	<0.000050	<0.010	0.0000349	7.62	0.00064	0.00016	0.00076	0.395	0.000300
	661-04	Duplicate	VA25C4967-006	2025-09-17	0.142	<0.00010	0.00152	0.00641	<0.000020	<0.000050	<0.010	0.0000179	12.6	<0.00050	<0.00010	<0.00050	0.173	0.000089
	661-05	Primary	VA25A0964-002	2025-01-13	0.0899	<0.00010	0.00121	0.00512	<0.000020	<0.000050	<0.010	<0.0000050	11.3	0.00086	<0.00010	<0.00050	0.163	<0.000050
	661-05	Primary	VA25A4211-002	2025-02-18	0.137	<0.00010	0.00145	0.00619	<0.000020	<0.000050	<0.010	<0.0000050	13.0	0.00113	<0.00010	<0.00050	0.244	0.000078
	661-05	Primary	VA25A5225-002	2025-03-07	0.799	0.00010	0.00170	0.0113	0.000028	<0.000050	<0.010	0.0000103	13.0	0.00138	0.00023	0.00078	0.678	0.000422
	661-05	Primary	VA25A8806-001	2025-04-15	1.21	0.00013	0.00180	0.0141	0.000063	<0.000050	<0.010	0.0000263	8.80	0.00185	0.00040	0.00156	1.22	0.000920
	661-05	Primary	VA25B0343-006	2025-05-04	0.505	0.00011	0.00096	0.00746	0.000031	<0.000050	<0.010	0.0000130	7.38	0.00098	0.00013	0.00100	0.410	0.000176
	661-05	Primary	VA25B5932-003	2025-06-27	0.450	0.00010	0.00126	0.00801	0.000023	<0.000050	<0.010	0.0000066	10.8	0.00102	0.00016	0.00066	0.412	0.000238
	661-05	Primary	VA25B6851-001	2025-07-08	0.149	<0.00010	0.00134	0.00620	<0.000020	<0.000050	<0.010	0.0000060	11.8	0.00102	<0.00010	<0.00050	0.249	0.000085
	661-05	Primary	VA25C0216-001	2025-08-11	0.0382	<0.00010	0.00147	0.00581	<0.000020	<0.000050	<0.010	<0.0000050	13.5	0.00079	<0.00010	<0.00050	0.134	<0.000050
	661-05	Primary	VA25C3886-001	2025-09-10	0.0288	<0.00010	0.00145	0.00530	<0.000020	<0.000050	<0.010	<0.0000050	13.9	0.00082	<0.00010	<0.00050	0.128	<0.000050
	661-05	Primary	VA25C8345-001	2025-10-21	0.0469	<0.00010	0.00135	0.00491	<0.000020	<0.000050	<0.010	<0.0000050	12.6	0.00070	<0.00010	<0.00050	0.142	<0.000050
	661-05	Primary	VA25D0570-003	2025-11-12	0.103	<0.00010	0.00133	0.00552	<0.000020	<0.000050	<0.010	<0.0000050	12.6	0.00081	<0.00010	<0.00050	0.184	0.000065
	661-05	Primary	VA25D3210-002	2025-12-09	0.0558	<0.00010	0.00135	0.00505	<0.000020	<0.000050	<0.010	0.0000107	13.0	0.00085	<0.00010	<0.00050	0.132	0.000066
	661-05	Duplicate	VA25A0964-003	2025-01-13	0.0879	<0.00010	0.00122	0.00511	<0.000020	<0.000050	<0.010	<0.0000050	11.5	0.00083	<0.00010	<0.00050	0.163	<0.000050
	661-10	Primary	VA25A0356-002	2025-01-06	0.0623	<0.00010	0.00076	0.00544	<0.000020	<0.000050	<0.010	0.0000173	9.10	<0.00050	<0.00010	<0.00050	0.181	<0.000050
	661-10	Primary	VA25A4211-001	2025-02-18	0.164	0.00013	0.00114	0.00801	<0.000020	<0.000050	<0.010	0.0000458	10.8	0.00069	0.00019	0.00088	0.567	0.000121
	661-10	Primary	VA25A5381-001	2025-03-10	0.431	0.00011	0.00116	0.00873	<0.000020	<0.000050	<0.010	0.0000347	10.5	0.00061	0.00022	0.00060	0.545	0.000289
	661-10	Primary	VA25A8806-003	2025-04-15	0.736	0.00010	0.00117	0.00976	0.000038	<0.000050	<0.010	0.0000295	7.88	0.00074	0.00024	0.00116	0.702	0.000403
	661-10	Primary	VA25B0343-007	2025-05-04	0.446	<0.00010	0.00086	0.00524	0.000036	<0.000050	<0.010	0.0000186	3.74	<0.00050	0.00014	0.00092	0.398	0.000139
	661-10	Primary	VA25B0962-007	2025-05-11	0.264	<0.00010	0.00075	0.00395	0.000026	<0.000050	<0.010	0.0000108	3.85	<0.00050	<0.00010	0.00072	0.206	0.000070
	661-10	Primary	VA25B1482-004	2025-05-14	0.249	<0.00010	0.00063	0.00363	0.000027	<0.000050	<0.010	0.000012						

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Total Metals													
					Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Bismuth, Total	Boron, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Creek 661 (cont'd)	661-20	Primary	VA25D0189-004	2025-11-10	0.0161	<0.00010	0.00084	0.00697	<0.000020	<0.000050	<0.010	<0.0000050	19.0	<0.00050	<0.00010	<0.00050	0.111	<0.000050
	661-20	Duplicate	VA25D0189-005	2025-11-10	0.149	<0.00010	0.00099	0.00868	<0.000020	<0.000050	<0.010	0.0000148	18.0	0.00051	0.00011	<0.00050	0.379	0.000090
Turtle Creek	TC-01	Primary	VA25A1845-005	2025-01-26	0.0041	<0.00010	0.00077	0.00942	<0.000020	<0.000050	<0.010	<0.0000050	32.4	<0.00050	<0.00010	<0.00050	0.044	<0.000050
	TC-01	Primary	VA25A5560-004	2025-03-11	0.0034	<0.00010	0.00075	0.00905	<0.000020	<0.000050	<0.010	<0.0000050	34.2	<0.00050	<0.00010	<0.00050	0.150	<0.000050
	TC-01	Primary	VA25A8058-006	2025-04-09	<0.0030	<0.00010	0.00090	0.00850	<0.000020	<0.000050	<0.010	<0.0000050	31.4	<0.00050	<0.00010	<0.00050	0.040	<0.000050
	TC-01	Primary	VA25B1312-001	2025-05-13	0.0035	<0.00010	0.00074	0.00852	<0.000020	<0.000050	<0.010	<0.0000050	29.7	<0.00050	<0.00010	<0.00050	0.054	<0.000050
	TC-01	Primary	VA25B5722-005	2025-06-23	0.0123	<0.00010	0.00115	0.0101	<0.000020	<0.000050	<0.010	0.0000075	29.7	<0.00050	<0.00010	<0.00050	0.142	<0.000050
	TC-01	Primary	VA25B6834-005	2025-07-07	0.0368	<0.00010	0.00171	0.0124	<0.000020	<0.000050	<0.010	0.0000153	26.8	0.00056	0.00014	0.00056	0.366	<0.000050
	TC-01	Primary	VA25B9366-001	2025-08-04	0.0039	<0.00010	0.00126	0.0115	<0.000020	<0.000050	<0.010	<0.0000050	32.4	<0.00050	<0.00010	<0.00050	0.074	<0.000050
	TC-01	Primary	VA25C4967-003	2025-09-17	0.0034	<0.00010	0.00102	0.0110	<0.000020	<0.000050	<0.010	<0.0000050	33.0	<0.00050	<0.00010	<0.00050	0.112	<0.000050
	TC-01	Primary	VA25C8358-006	2025-10-20	<0.0030	<0.00010	0.00075	0.00882	<0.000020	<0.000050	<0.010	<0.0000050	30.9	<0.00050	<0.00010	<0.00050	0.071	<0.000050
	TC-01	Primary	VA25D1976-007	2025-11-26	0.0478	<0.00010	0.00078	0.00900	<0.000020	<0.000050	<0.010	0.0000178	31.7	0.00075	<0.00010	0.00077	0.178	0.000057
	TC-01	Primary	VA25D3939-001	2025-12-17	0.0227	<0.00010	0.00067	0.00958	<0.000020	<0.000050	<0.010	0.0000069	32.6	<0.00050	<0.00010	<0.00050	0.155	0.000062
	TC-05	Primary	VA25A1845-004	2025-01-26	0.0137	<0.00010	0.00044	0.0110	<0.000020	<0.000050	<0.010	<0.0000050	28.0	<0.00050	<0.00010	<0.00050	0.344	<0.000050
	TC-05	Primary	VA25A4183-001	2025-02-24	0.0157	<0.00010	0.00051	0.0134	<0.000020	<0.000050	<0.010	<0.0000050	31.1	<0.00050	<0.00010	<0.00050	0.458	<0.000050
	TC-05	Primary	VA25A5268-003	2025-03-09	0.0196	<0.00010	0.00056	0.0120	<0.000020	<0.000050	<0.010	<0.0000050	30.4	<0.00050	<0.00010	0.00082	0.412	<0.000050
	TC-05	Primary	VA25A8058-005	2025-04-09	0.0206	<0.00010	0.00044	0.0102	<0.000020	<0.000050	<0.010	<0.0000050	23.0	0.00119	<0.00010	<0.00050	0.468	<0.000050
	TC-05	Primary	VA25B1312-002	2025-05-13	0.135	<0.00010	0.00030	0.00640	0.000026	<0.000050	<0.010	<0.0000050	10.3	<0.00050	<0.00010	0.00067	0.179	<0.000050
	TC-05	Primary	VA25B5722-004	2025-06-23	0.0440	<0.00010	0.00060	0.0112	<0.000020	<0.000050	<0.010	<0.0000050	20.5	<0.00050	<0.00010	<0.00050	0.301	<0.000050
	TC-05	Primary	VA25B6834-004	2025-07-07	0.0598	<0.00010	0.00072	0.0122	<0.000020	<0.000050	<0.010	<0.0000050	23.4	<0.00050	<0.00010	<0.00050	0.422	<0.000050
	TC-05	Primary	VA25B9366-002	2025-08-04	0.0748	<0.00010	0.00098	0.0141	<0.000020	<0.000050	<0.010	<0.0000050	27.4	<0.00050	<0.00010	<0.00050	0.523	<0.000050
	TC-05	Primary	VA25C4967-004	2025-09-17	0.0270	<0.00010	0.00071	0.0145	<0.000020	<0.000050	<0.010	<0.0000050	30.9	<0.00050	<0.00010	<0.00050	0.403	<0.000050
	TC-05	Primary	VA25C8346-001	2025-10-22	0.0904	<0.00010	0.00049	0.0125	<0.000020	<0.000050	<0.010	<0.0000050	26.2	<0.00050	<0.00010	<0.00050	0.430	<0.000050
	TC-05	Primary	VA25D1976-006	2025-11-26	0.0166	<0.00010	0.00048	0.0120	<0.000020	<0.000050	<0.010	<0.0000050	30.9	<0.00050	<0.00010	<0.00050	0.333	<0.000050
	TC-05	Primary	VA25D3939-002	2025-12-17	0.0246	<0.00010	0.00040	0.0133	<0.000020	<0.000050	<0.010	0.0000077	25.8	<0.00050	<0.00010	0.00052	0.399	<0.000050
	TC-05	Duplicate	VA25B1312-003	2025-05-13	0.143	<0.00010	0.00033	0.00678	0.000026	<0.000050	<0.010	<0.0000050	10.7	<0.00050	<0.00010	0.00071	0.184	<0.000050
	TC-10	Primary	VA25A2544-002	2025-02-03	0.0190	<0.00010	0.00046	0.0126	<0.000020	<0.000050	<0.010	<0.0000050	30.2	<0.00050	<0.00010	<0.00050	0.351	<0.000050
	TC-10	Primary	VA25B1312-004	2025-05-13	0.0451	<0.00010	0.00038	0.00749	<0.000020	<0.000050	<0.010	<0.0000050	13.6	<0.00050	<0.00010	0.00056	0.143	<0.000050
	TC-10	Primary	VA25B6834-006	2025-07-07	0.0276	<0.00010	0.00075	0.0133	<0.000020	<0.000050	<0.010	<0.0000050	26.2	<0.00050	<0.00010	<0.00050	0.362	<0.000050
	TC-10	Primary	VA25C3699-001	2025-09-09	0.0169	<0.00010	0.00095	0.0169	<0.000020	<0.000050	<0.010	<0.0000050	33.3	<0.00050	<0.00010	<0.00050	0.687	<0.000050
	TC-10	Primary	VA25C9690-004	2025-11-03	0.0177	<0.00010	0.00040	0.0120	<0.000020	<0.000050	<0.010	<0.0000050	27.9	<0.00050	<0.00010	<0.00050	0.264	<0.000050
	TC-15	Primary	VA25B1312-005	2025-05-13	0.0221	<0.00010	0.00027	0.00738	<0.000020	<0.000050	<0.010	<0.0000050	14.2	<0.00050	<0.00010	<0.00050	0.062	<0.000050
Chedakuz Creek	CC-03	Primary	VA25A0356-004	2025-01-06	0.0150	<0.00010	0.00070	0.00855	<0.000020	<0.000050	<0.010	<0.0000050	34.1	<0.00050	<0.00010	<0.00050	0.101	<0.000050
	CC-03	Primary	VA25A4598-002	2025-02-28	0.0157	<0.00010	0.00065	0.00896	<0.000020	<0.000050	<0.010	<0.0000050	29.1	<0.000.				

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Total Metals													
					Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Bismuth, Total	Boron, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Chedakuz Creek (cont'd)	CC-03	Duplicate	VA25B0962-008	2025-05-11	0.0761	<0.00010	0.00048	0.00590	<0.000020	<0.000050	<0.010	<0.0000050	16.2	<0.00050	<0.00010	<0.00050	0.119	<0.000050
	CC-03	Duplicate	VA25B5529-002	2025-06-24	0.0274	<0.00010	0.00085	0.00737	<0.000020	<0.000050	<0.010	<0.0000050	26.9	<0.00050	<0.00010	<0.00050	0.135	<0.000050
	CC-03	Duplicate	VA25C8919-004	2025-10-26	0.0075	<0.00010	0.00054	0.00616	<0.000020	<0.000050	<0.010	<0.0000050	31.3	<0.00050	<0.00010	<0.00050	0.096	<0.000050
	CC-03	Duplicate	VA25D4214-003	2025-12-26	0.0182	<0.00010	0.00070	0.00794	<0.000020	<0.000050	<0.010	<0.0000050	35.6	<0.00050	<0.00010	<0.00050	0.185	<0.000050
	CC-05	Primary	VA25A4598-003	2025-02-28	0.0157	<0.00010	0.00069	0.00838	<0.000020	<0.000050	<0.010	<0.0000050	26.1	<0.00050	<0.00010	<0.00050	0.110	<0.000050
	CC-05	Primary	VA25B0343-002	2025-05-04	0.309	<0.00010	0.00076	0.00652	0.000022	<0.000050	<0.010	0.0000117	10.4	<0.00050	0.00015	0.00094	0.410	0.000081
	CC-05	Primary	VA25B7427-004	2025-07-14	0.0190	<0.00010	0.00071	0.00702	<0.000020	<0.000050	<0.010	<0.0000050	25.2	<0.00050	<0.00010	<0.00050	0.134	<0.000050
	CC-05	Primary	VA25D0189-007	2025-11-10	0.0382	<0.00010	0.00066	0.00676	<0.000020	<0.000050	<0.010	<0.0000050	25.5	<0.00050	<0.00010	<0.00050	0.140	<0.000050
	CC-05	Duplicate	VA25A4598-004	2025-02-28	0.0150	<0.00010	0.00067	0.00833	<0.000020	<0.000050	<0.010	<0.0000050	26.1	<0.00050	<0.00010	<0.00050	0.112	<0.000050
	CC-05	Duplicate	VA25B0343-003	2025-05-04	0.305	<0.00010	0.00074	0.00645	0.000021	<0.000050	<0.010	<0.0000050	10.5	0.00052	0.00014	0.00094	0.387	0.000095
	CC-10	Primary	VA25A3507-005	2025-02-17	<0.0030	<0.00010	0.00065	0.00660	<0.000020	<0.000050	<0.010	<0.0000050	24.0	<0.00050	<0.00010	<0.00050	<0.010	<0.000050
	CC-10	Primary	VA25B1482-006	2025-05-14	0.0037	<0.00010	0.00063	0.00633	<0.000020	<0.000050	<0.010	<0.0000050	19.5	<0.00050	<0.00010	<0.00050	0.035	<0.000050
	CC-10	Primary	VA25B9374-003	2025-08-03	0.0061	<0.00010	0.00064	0.00556	<0.000020	<0.000050	<0.010	<0.0000050	19.9	<0.00050	<0.00010	<0.00050	0.017	<0.000050
	CC-10	Primary	VA25D1976-005	2025-11-26	0.0054	<0.00010	0.00061	0.00587	<0.000020	<0.000050	<0.010	<0.0000050	21.9	<0.00050	<0.00010	<0.00050	0.029	<0.000050
	CC-15	Primary	VA25A0964-004	2025-01-13	0.0211	<0.00010	0.00062	0.00839	<0.000020	<0.000050	<0.010	<0.0000050	19.1	<0.00050	<0.00010	<0.00050	0.133	<0.000050
	CC-15	Primary	VA25A3507-003	2025-02-17	0.0100	<0.00010	0.00062	0.00821	<0.000020	<0.000050	<0.010	<0.0000050	23.3	<0.00050	<0.00010	<0.00050	0.109	<0.000050
	CC-15	Primary	VA25A5268-001	2025-03-09	0.0605	<0.00010	0.00063	0.00905	<0.000020	<0.000050	<0.010	<0.0000050	21.2	<0.00050	<0.00010	<0.00050	0.198	<0.000050
	CC-15	Primary	VA25A7310-001	2025-04-01	0.0882	<0.00010	0.00069	0.00921	<0.000020	<0.000050	<0.010	<0.0000050	19.2	<0.00050	<0.00010	0.00055	0.216	<0.000050
	CC-15	Primary	VA25B0438-004	2025-05-05	0.310	<0.00010	0.00082	0.0115	<0.000020	<0.000050	<0.010	0.0000070	17.5	<0.00050	0.00019	0.00078	0.445	0.000139
	CC-15	Primary	VA25B1094-002	2025-05-12	0.114	<0.00010	0.00064	0.00827	<0.000020	<0.000050	<0.010	<0.0000050	17.9	<0.00050	<0.00010	<0.00050	0.155	0.000051
	CC-15	Primary	VA25B1721-003	2025-05-19	0.334	<0.00010	0.00086	0.0109	<0.000020	<0.000050	<0.010	0.0000062	15.7	<0.00050	0.00016	0.00084	0.465	0.000150
	CC-15	Primary	VA25B2427-001	2025-05-26	0.0870	<0.00010	0.00062	0.00810	<0.000020	<0.000050	<0.010	<0.0000050	17.2	<0.00050	<0.00010	<0.00050	0.146	<0.000050
	CC-15	Primary	VA25B3822-001	2025-06-02	0.0836	<0.00010	0.00070	0.00780	<0.000020	<0.000050	<0.010	<0.0000050	17.7	<0.00050	<0.00010	0.00050	0.133	<0.000050
	CC-15	Primary	VA25B5722-002	2025-06-23	0.159	<0.00010	0.00091	0.0101	<0.000020	<0.000050	<0.010	0.0000065	17.6	<0.00050	0.00011	0.00071	0.276	0.000107
	CC-15	Primary	VA25B6834-002	2025-07-07	0.0236	<0.00010	0.00076	0.00798	<0.000020	<0.000050	<0.010	<0.0000050	18.3	<0.00050	<0.00010	<0.00050	0.162	<0.000050
	CC-15	Primary	VA25B9366-003	2025-08-04	0.0312	<0.00010	0.00114	0.00812	<0.000020	<0.000050	<0.010	<0.0000050	20.8	<0.00050	0.00013	<0.00050	0.233	<0.000050
	CC-15	Primary	VA25C4967-007	2025-09-17	0.0374	<0.00010	0.00074	0.0102	<0.000020	<0.000050	<0.010	<0.0000050	20.6	<0.00050	0.00030	<0.00050	0.271	<0.000050
	CC-15	Primary	VA25C6908-002	2025-10-08	0.0203	<0.00010	0.00069	0.00839	<0.000020	<0.000050	<0.010	<0.0000050	20.7	<0.00050	0.00013	<0.00050	0.240	<0.000050
	CC-15	Primary	VA25C7563-002	2025-10-14	0.0521	<0.00010	0.00071	0.00800	<0.000020	<0.000050	<0.010	<0.0000050	20.2	<0.00050	0.00016	<0.00050	0.288	<0.000050
	CC-15	Primary	VA25C8358-003	2025-10-20	0.0282	<0.00010	0.00062	0.00858	<0.000020	<0.000050	<0.010	<0.0000050	19.0	<0.00050	0.00014	<0.00050	0.216	<0.000050
	CC-15	Primary	VA25C8919-009	2025-10-27	0.0962	<0.00010	0.00070	0.00881	<0.000020	<0.000050	<0.010	<0.0000050	20.2	<0.00050	0.00017	<0.00050	0.292	0.000051
	CC-15	Primary	VA25C9101-003	2025-10-29	0.0606	<0.00010	0.00063	0.00910	<0.000020	<0.000050	<0.010	<0.0000050	19.1	<0.00050	0.00018	<0.00050	0.251	<0.000050
	CC-15	Primary	VA25D1976-002	2025-11-26	0.0198	<0.00010	0.00063	0.00781	<0.000020	<0.000050	<0.010	<0.0000050	20.6	<0.00050	0.00012	<0.00050	0.191	<0.000050
	CC-15	Primary	VA25D4214-008	2025-12-27	0.0479	<0.00010	0.00063	0.00785	<0.000020	<0.000050	<0.010	<0.0000050	21.7	<0.00050	0.00014	<0.00050	0.172	<0.000050
	CC-15	Duplicate	VA25A3507-004	2025-02-17	0.0096	<0.00010	0.00062	0.00822	<0.000020	<0.000050	<0.010	<0.0000050	22.6	<0.00050	<0.00010	<0.00050	0.108	<0.000050
	CC-15	Duplicate	VA25A5268-002	2025-03-09	0.0774	<0.00010	0.00071	0.00937	<0.000020	<0.000050	<0.010	<0.0000050	21.9	<0.00050	<0.00010	<0.00050	0.221	<0.000050
	CC-15	Duplicate	VA25A7310-002	2025-04-01	0.130	<0.00010	0.00073	0.00981	<0.000020	<0.000050	<0.010	0.0000062	19.5	<0.00050	0.00010	0.00064	0.272	0.000058
	CC-15	Duplicate	VA25B9366-004	2025-08-04	0.0352	<0.00010	0.00119	0.00798	<0.000020	<0.000050	<0.010	0.0000054	20.5	<0.00050	0.00013	<0.00050	0.244	<0.000050
	CC-15	Duplicate	VA25C8358-004	2025-10-20	0.0350	<0.00010	0.00061	0.00830	<0.000020	<0.000050	<0.010	<0.0000050	19.5	<0.00050	0.00014	<0.00050	0.242	<0.000050
	CC-15	Duplicate	VA25D1976-003	2025-11-26	0.0178	<0.00010	0.00064	0.00801	<0.000020	<0.000050	<0.010	<0.0000050	20.5	<0.00050	0.00012	<0.00050	0.183	<0.000050
	CC-20	Primary	VA25A1845-002	2025-01-26	0.0171	<0.00010	0.00060	0.00869	<0.000020	<0.000050	<0.010	<0.0000050	20.7	<0.00050	<0.00010	<0.00050	0.129	<0.000050
	CC-20	Primary	VA25A3507-002	2025-02-17	0.0070	<0.00010	0.00093	0.0144	<0.000020	<0.000050	<0.010	<0.0000050	37.1	<0.00050	<0.00010	<0.00050	0.360	<0.000050
	CC-20	Primary	VA25A5560-001	2025-03-11	0.0586	<0.00010	0.00065	0.00809	<0.000020	<0.000050	<0.010	<0.0000050	22.0	<0.00050	<0.00010	<0.00050	0.156	<0.000050
	CC-20	Primary	VA25A8058-003	2025-04-09	0.192	<0.00010	0.00096	0.0104	<0.000020	<0.000050	<0.010	<0.0000050	19.2	<0.00050	0.00011	0.00066	0.388	0.000068
	CC-20	Primary	VA25B0438-005	2025-05-05	0.102	<0.00010	0.00064	0.00871	<0.000020	<0.000050	<0.010	<0.0000050	17.0	<0.00050	<0.00010	<0.00050	0.182	<0.000050
	CC-20	Primary	VA25B1094-001	2025-05-12	0.0970	<0.00010	0.00065	0.00800	<0.000020	<0.000050	<0.010	<0.0000050	17.5	<0.00050	<0.00010	<0.00050	0.144	<0.000050
	CC-20	Primary	VA25B1721-002	2025-05-19	0.322	<0.00010	0.00082	0.0102	<0.000020	<0.000050	<0.010	0.0000058	15.4	<0.00050	0.00014	0.00078	0.422	0.000132
	CC-20	Primary	VA25B2427-002	2025-05-26	0.0790	<0.00010	0.00063	0.00797	<0.000020	<0.000050	<0.010	<0.0000050	17.2	<0.00050	<0.00010	<0.00050	0.143	<0.000050
	CC-20	Primary	VA25B3822-002	2025-06-02	0.102	<0.00010	0.00072	0.00854	<0.000020	<0.000050	<0.010	0.0000050	18.0	<0.00050	<0.00010	0.00052	0.156	<0.000050

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Total Metals													
					Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Bismuth, Total	Boron, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Chedakuz Creek (cont'd)	CC-20	Primary	VA25C6908-001	2025-10-08	0.0215	<0.00010	0.00068	0.00836	<0.000020	<0.000050	<0.010	<0.0000050	20.6	<0.00050	0.00013	<0.00050	0.241	<0.000050
	CC-20	Primary	VA25C7563-001	2025-10-14	0.0370	<0.00010	0.00068	0.00826	<0.000020	<0.000050	<0.010	<0.0000050	20.3	<0.00050	0.00013	<0.00050	0.285	<0.000050
	CC-20	Primary	VA25C8358-005	2025-10-20	0.0102	<0.00010	0.00058	0.00810	<0.000020	<0.000050	<0.010	<0.0000050	19.7	<0.00050	0.00012	<0.00050	0.209	<0.000050
	CC-20	Primary	VA25C8919-008	2025-10-27	0.107	<0.00010	0.00066	0.00905	<0.000020	<0.000050	<0.010	<0.0000050	19.9	<0.00050	0.00017	<0.00050	0.334	0.000054
	CC-20	Primary	VA25C9101-008	2025-10-29	0.0570	<0.00010	0.00056	0.00869	<0.000020	<0.000050	<0.010	<0.0000050	20.1	<0.00050	0.00016	<0.00050	0.245	<0.000050
	CC-20	Primary	VA25D1976-001	2025-11-26	0.0408	<0.00010	0.00062	0.00853	<0.000020	<0.000050	<0.010	<0.0000050	20.8	<0.00050	0.00012	<0.00050	0.243	<0.000050
	CC-20	Primary	VA25D4214-007	2025-12-27	0.0288	<0.00010	0.00061	0.00748	<0.000020	<0.000050	<0.010	<0.0000050	21.0	<0.00050	0.00013	<0.00050	0.147	<0.000050
	CC-20	Duplicate	VA25A1845-003	2025-01-26	0.0148	<0.00010	0.00060	0.00845	<0.000020	<0.000050	<0.010	<0.0000050	21.9	<0.00050	<0.00010	<0.00050	0.130	<0.000050
	CC-20	Duplicate	VA25A8058-004	2025-04-09	0.235	<0.00010	0.00098	0.0109	<0.000020	<0.000050	<0.010	<0.0000050	19.0	<0.00050	0.00012	0.00069	0.438	0.000090
	CC-20	Duplicate	VA25B6834-007	2025-07-07	0.0398	<0.00010	0.00081	0.00819	<0.000020	<0.000050	<0.010	<0.0000050	18.1	<0.00050	<0.00010	<0.00050	0.193	<0.000050
	CC-30	Primary	VA25A5560-002	2025-03-11	0.0200	<0.00010	0.00052	0.00855	<0.000020	<0.000050	<0.010	<0.0000050	24.1	<0.00050	<0.00010	<0.00050	0.266	<0.000050
	CC-30	Primary	VA25A8058-002	2025-04-09	0.224	<0.00010	0.00096	0.0111	<0.000020	<0.000050	<0.010	<0.0000050	18.1	<0.00050	0.00014	0.00066	0.668	0.000095
	CC-30	Primary	VA25B7192-002	2025-07-13	0.0248	<0.00010	0.00101	0.00836	<0.000020	<0.000050	<0.010	<0.0000050	19.7	<0.00050	<0.00010	<0.00050	0.356	<0.000050
	CC-30	Primary	VA25C6737-003	2025-10-05	0.0183	<0.00010	0.00082	0.00938	<0.000020	<0.000050	<0.010	<0.0000050	23.5	<0.00050	0.00012	<0.00050	0.596	<0.000050
	CC-30	Duplicate	VA25B7192-003	2025-07-13	0.0403	<0.00010	0.00096	0.00854	<0.000020	<0.000050	<0.010	<0.0000050	19.9	<0.00050	<0.00010	<0.00050	0.384	<0.000050
	CC-40	Primary	VA25A1845-001	2025-01-26	0.0211	<0.00010	0.00066	0.0101	<0.000020	<0.000050	<0.010	<0.0000050	25.9	<0.00050	<0.00010	<0.00050	0.334	<0.000050
	CC-40	Primary	VA25A3507-001	2025-02-17	0.0183	<0.00010	0.00061	0.0108	<0.000020	<0.000050	<0.010	<0.0000050	25.9	<0.00050	<0.00010	<0.00050	0.293	<0.000050
	CC-40	Primary	VA25A5560-003	2025-03-11	0.0184	<0.00010	0.00063	0.00908	<0.000020	<0.000050	<0.010	<0.0000050	24.5	<0.00050	<0.00010	<0.00050	0.336	<0.000050
	CC-40	Primary	VA25A8058-001	2025-04-09	0.210	<0.00010	0.00096	0.0107	<0.000020	<0.000050	<0.010	<0.0000050	18.4	<0.00050	0.00012	0.00057	0.686	0.000085
	CC-40	Primary	VA25B0438-006	2025-05-05	0.131	<0.00010	0.00059	0.00951	<0.000020	<0.000050	<0.010	<0.0000050	16.2	<0.00050	<0.00010	0.00062	0.361	0.000053
	CC-40	Primary	VA25B1094-003	2025-05-12	0.0532	<0.00010	0.00055	0.00805	<0.000020	<0.000050	<0.010	<0.0000050	16.3	<0.00050	<0.00010	<0.00050	0.185	<0.000050
	CC-40	Primary	VA25B1721-001	2025-05-19	0.299	<0.00010	0.00076	0.0110	<0.000020	<0.000050	<0.010	0.0000062	14.4	<0.00050	0.00018	0.00084	0.613	0.000143
	CC-40	Primary	VA25B2427-003	2025-05-26	0.113	<0.00010	0.00066	0.00936	<0.000020	<0.000050	<0.010	<0.0000050	16.0	<0.00050	<0.00010	0.00058	0.294	<0.000050
	CC-40	Primary	VA25B3822-003	2025-06-02	0.0944	<0.00010	0.00072	0.00939	<0.000020	<0.000050	<0.010	<0.0000050	17.5	<0.00050	<0.00010	0.00055	0.240	<0.000050
	CC-40	Primary	VA25B5256-001	2025-06-22	0.0896	<0.00010	0.00103	0.00919	<0.000020	<0.000050	<0.010	<0.0000050	19.8	<0.00050	<0.00010	0.00055	0.344	<0.000050
	CC-40	Primary	VA25B7192-001	2025-07-13	0.0190	<0.00010	0.00101	0.00859	<0.000020	<0.000050	<0.010	<0.0000050	20.0	<0.00050	<0.00010	<0.00050	0.303	<0.000050
	CC-40	Primary	VA25B9374-001	2025-08-03	0.0232	<0.00010	0.00139	0.00878	<0.000020	<0.000050	<0.010	<0.0000050	22.3	<0.00050	<0.00010	<0.00050	0.387	<0.000050
	CC-40	Primary	VA25C4967-009	2025-09-17	0.0196	<0.00010	0.00112	0.00931	<0.000020	<0.000050	<0.010	<0.0000050	24.9	<0.00050	0.00014	<0.00050	0.452	<0.000050
	CC-40	Primary	VA25C6737-001	2025-10-05	0.0205	<0.00010	0.00093	0.00886	<0.000020	<0.000050	<0.010	<0.0000050	24.8	<0.00050	<0.00010	<0.00050	0.549	<0.000050
	CC-40	Primary	VA25C7563-004	2025-10-14	0.0180	<0.00010	0.00089	0.00871	<0.000020	<0.000050	<0.010	<0.0000050	23.7	<0.00050	<0.00010	<0.00050	0.593	<0.000050
	CC-40	Primary	VA25C8358-001	2025-10-20	0.0165	<0.00010	0.00088	0.00929	<0.000020	<0.000050	<0.010	<0.0000050	24.4	<0.00050	<0.00010	<0.00050	0.609	<0.000050
	CC-40	Primary	VA25C8919-007	2025-10-27	0.0398	<0.00010	0.00080	0.00918	<0.000020	<0.000050	<0.010	<0.0000050	23.9	<0.00050	<0.00010	<0.00050	0.536	<0.000050
	CC-40	Primary	VA25C9101-001	2025-10-29	0.0281	<0.00010	0.00079	0.00911	<0.000020	<0.000050	<0.010	<0.0000050	22.6	<0.00050	0.00013	<0.00050	0.559	<0.000050
	CC-40	Primary	VA25D1004-001	2025-11-17	0.0323	<0.00010	0.00071	0.00931	<0.000020	<0.000050	<0.010	<0.0000050	22.7	<0.00050	0.00010	<0.00050	0.5	

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Total Metals													
					Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Bismuth, Total	Boron, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Creek 705 <i>(cont'd)</i>	705-05	Duplicate	VA25B0438-008	2025-05-05	0.130	<0.00010	0.00018	0.00653	0.000027	<0.000050	<0.010	<0.0000050	4.98	<0.00050	<0.00010	<0.00050	0.157	<0.000050
	705-10	Primary	VA25A0226-002	2025-01-05	0.0642	<0.00010	0.00020	0.00884	<0.000020	<0.000050	<0.010	<0.0000050	8.45	<0.00050	<0.00010	<0.00050	0.089	<0.000050
	705-10	Primary	VA25A2544-003	2025-02-03	0.0400	<0.00010	0.00021	0.00821	<0.000020	<0.000050	<0.010	<0.0000050	8.72	<0.00050	<0.00010	<0.00050	0.094	<0.000050
	705-10	Primary	VA25A5321-001	2025-03-05	0.0337	<0.00010	0.00021	0.00887	<0.000020	<0.000050	<0.010	<0.0000050	8.88	<0.00050	<0.00010	<0.00050	0.101	<0.000050
	705-10	Primary	VA25A7634-001	2025-04-03	0.146	<0.00010	0.00028	0.00964	<0.000020	<0.000050	<0.010	<0.0000050	8.93	<0.00050	<0.00010	0.00054	0.221	0.000053
	705-10	Primary	VA25B0438-003	2025-05-05	0.230	<0.00010	0.00022	0.00860	0.000029	<0.000050	<0.010	0.0000058	5.98	<0.00050	<0.00010	0.00074	0.228	<0.000050
	705-10	Primary	VA25B1094-007	2025-05-12	0.181	<0.00010	0.00019	0.00816	0.000028	<0.000050	<0.010	<0.0000050	6.27	<0.00050	<0.00010	0.00063	0.159	<0.000050
	705-10	Primary	VA25B1721-004	2025-05-19	0.340	<0.00010	0.00024	0.00917	0.000045	<0.000050	<0.010	<0.0000050	5.98	<0.00050	<0.00010	0.00091	0.300	0.000064
	705-10	Primary	VA25B2427-004	2025-05-26	0.158	<0.00010	0.00020	0.00780	0.000028	<0.000050	<0.010	<0.0000050	5.85	<0.00050	<0.00010	0.00062	0.129	<0.000050
	705-10	Primary	VA25B3822-004	2025-06-02	0.155	<0.00010	0.00021	0.00843	0.000024	<0.000050	<0.010	<0.0000050	6.31	<0.00050	<0.00010	0.00063	0.113	<0.000050
	705-10	Primary	VA25B5784-001	2025-06-25	0.104	<0.00010	0.00025	0.00887	0.000022	<0.000050	<0.010	<0.0000050	7.76	<0.00050	<0.00010	0.00057	0.115	<0.000050
	705-10	Primary	VA25B7427-007	2025-07-14	0.0696	<0.00010	0.00027	0.00857	<0.000020	<0.000050	<0.010	<0.0000050	7.94	<0.00050	<0.00010	<0.00050	0.143	<0.000050
	705-10	Primary	VA25B9438-002	2025-08-04	0.0374	<0.00010	0.00027	0.0110	<0.000020	<0.000050	<0.010	<0.0000050	10.3	<0.00050	<0.00010	<0.00050	0.144	<0.000050
	705-10	Primary	VA25C3699-002	2025-09-09	0.0534	<0.00010	0.00022	0.0135	<0.000020	<0.000050	<0.010	<0.0000050	10.7	<0.00050	<0.00010	<0.00050	0.070	<0.000050
	705-10	Primary	VA25C7355-001	2025-10-07	0.0162	<0.00010	0.00018	0.00986	<0.000020	<0.000050	<0.010	<0.0000050	10.7	<0.00050	<0.00010	<0.00050	0.066	<0.000050
	705-10	Primary	VA25C7563-008	2025-10-14	0.0644	<0.00010	0.00017	0.0101	<0.000020	<0.000050	<0.010	<0.0000050	10.6	<0.00050	<0.00010	<0.00050	0.114	<0.000050
	705-10	Primary	VA25C8047-007	2025-10-18	0.0162	<0.00010	0.00015	0.00917	<0.000020	<0.000050	<0.010	<0.0000050	9.51	<0.00050	<0.00010	<0.00050	0.049	<0.000050
	705-10	Primary	VA25C8919-005	2025-10-26	0.0274	<0.00010	0.00020	0.00888	<0.000020	<0.000050	<0.010	<0.0000050	8.59	<0.00050	<0.00010	<0.00050	0.169	<0.000050
	705-10	Primary	VA25C9101-005	2025-10-29	0.0318	<0.00010	0.00017	0.00850	<0.000020	<0.000050	<0.010	<0.0000050	8.58	<0.00050	<0.00010	<0.00050	0.159	<0.000050
	705-10	Primary	VA25C9690-001	2025-11-02	0.0262	<0.00010	0.00018	0.00927	<0.000020	<0.000050	<0.010	<0.0000050	9.20	<0.00050	<0.00010	<0.00050	0.105	<0.000050
	705-10	Primary	VA25D3069-001	2025-12-08	0.0305	<0.00010	0.00020	0.00860	<0.000020	<0.000050	<0.010	<0.0000050	8.51	<0.00050	<0.00010	<0.00050	0.151	<0.000050
	705-10	Duplicate	VA25A5321-002	2025-03-05	0.0323	<0.00010	0.00020	0.00887	<0.000020	<0.000050	<0.010	<0.0000050	8.52	<0.00050	<0.00010	<0.00050	0.102	<0.000050
	705-10	Duplicate	VA25B1721-005	2025-05-19	0.357	<0.00010	0.00024	0.00928	0.000044	<0.000050	<0.010	0.0000077	5.92	<0.00050	0.00010	0.00093	0.315	0.000067
	705-10	Duplicate	VA25C3699-003	2025-09-09	0.0352	<0.00010	0.00020	0.0128	<0.000020	<0.000050	<0.010	<0.0000050	11.2	<0.00050	<0.00010	<0.00050	0.044	<0.000050
	705-10	Duplicate	VA25C7355-002	2025-10-07	0.0187	<0.00010	0.00016	0.0109	<0.000020	<0.000050	<0.010	<0.0000050	10.8	<0.00050	<0.00010	<0.00050	0.068	<0.000050
	705-10	Duplicate	VA25C9690-002	2025-11-02	0.0279	<0.00010	0.00019	0.00934	<0.000020	<0.000050	<0.010	<0.0000050	9.65	<0.00050	<0.00010	<0.00050	0.106	<0.000050
Fawnie Creek	FC-01	Primary	VA25A0226-001	2025-01-05	0.0146	<0.00010	0.00080	0.00332	<0.000020	<0.000050	<0.010	<0.0000050	9.40	<0.00050	<0.00010	<0.00050	<0.010	<0.000050
	FC-01	Primary	VA25A2544-001	2025-02-03	0.0106	<0.00010	0.00085	0.00363	<0.000020	<0.000050	<0.010	0.0000057	11.4	<0.00050	<0.00010	<0.00050	<0.010	<0.000050
	FC-01	Primary	VA25A6295-001	2025-03-19	0.0082	<0.00010	0.00093	0.00414	<0.000020	<0.000050	<0.010	<0.0000050	12.1	<0.00050	<0.00010	<0.00050	<0.010	<0.000050
	FC-01	Primary	VA25A7634-002	2025-04-03	0.0180	<0.00010	0.00093	0.00397	<0.000020	<0.000050	<0.010	0.0000087	12.6	<0.00050	<0.00010	<0.00050	0.011	<0.000050
	FC-01	Primary	VA25B0438-007	2025-05-05	0.0984	<0.00010	0.00054	0.00269	<0.000020	<0.000050	<0.010	0.0000098	6.88	<0.00050	<0.00010	0.00070	0.072	<0.000050
	FC-01	Primary	VA25B1094-006	2025-05-12	0.0890	<0.00010	0.00046	0.00257	<0.000020	<0.000050	<0.010	0.0000089	6.67	<0.00050	<0.00010	0.00056	0.050	<0.000050
	FC-01	Primary	VA25B1721-006	2025-05-19	0.242	<0.00010	0.00039	0.00283	<0.000020	<0.000050	<0.010	0.0000145	5.61	<0.00050	<0.00010	0.00074	0.144	<0.000050
	FC-01	Primary	VA25B2427-005	2025-05-26	0.153	<0.00010	0.00038	0.00246	<0.000020	<0.000050	<0.010	0.0000144	5.13	<0.00050	<0.00010	0.00056	0.079	<0.000050
	FC-01	Primary	VA25B3822-005	2025-06-02	0.105	<0.00010	0.00039	0.00293	<0.000020	<0.000050	<0.010	0.0000144	5.41	<0.00050	<0.00010	0.00056	0.034	<0.000050
	FC-01	Primary	VA25B5629-001	2025-06-23	0.0737	<0.00010	0.00058	0.00270	<0.000020	<0.000050	<0.010	0.0000142	6.47	<0.00050	<0.00010	0.00053	0.035	<0.000050
	FC-01	Primary	VA25B7427-006	2025-07-14	0.0574	<0.00010	0.00063	0.00301	<0.000020	<0.000050	<0.010	0.0000079	7.57	<0.00050	<0.00010	<0.00050	0.037	<0.000050
	FC-01	Primary	VA25B9438-003	2025-08-04	0.0232	<0.00010	0.00087	0.00378	<0.000020	<0.000050	<0.010	0.0000080	9.93	<0.00050	<0.00010	<0.00050	<0.010	<0.000050
	FC-01	Primary	VA25C5489-001	2025-09-23	0.0118	<0.00010	0.00072	0.00443	<0.000020	<0.000050	<0.010	<0.0000050	11.5	<0.00050	<0.00010	<0.00050	<0.010	<0.000050
	FC-01	Primary	VA25C7355-003	2025-10-07	0.0139	<0.00010	0.00073	0.00349	<0.000020	<0.000050	<0.010	0.0000062	10.7	<0.00050	<0.00010	<0.00050	<0.010	<0.000050
	FC-01	Primary	VA25C7563-007	2025-10-14	0.0109	<0.00010	0.00067	0.00366	<0.000020	<0.000050	<0.010	0.0000067	11.2	<0.00050	<0.00010	<0.00050	<0.010	<0.000050
	FC-01	Primary	VA25C8047-006	2025-10-18	0.0103	<0.00010	0.00065	0.00366	<0.000020	<0.000050	<0.010	0.0000070	10.5	<0.00050	<0.00010	<0.00050	<0.010	<0.000050
	FC-01	Primary	VA25C8919-006	2025-10-27	0.0122	<0.00010	0.00069	0.00351	<0.000020	<0.000050	<0.010	<0.0000050	10.3	<0.00050	<0.00010	<0.00050	<0.010	<0.000050
	FC-01	Primary	VA25C9101-004	2025-10-29	0.0119	<0.00010	0.00070	0.00346	<0.000020	<0.000050	<0.010	0.0000062	10.2	<0.00050	<0.00010	<0.00050	<0.010	<0.000050
	FC-01	Primary	VA25C9690-003	2025-11-02	0.0114	<0.00010	0.00073	0.00350	<0.000020	<0.000050	<0.010	<0.0000050	10.6	<0.00050	<0.00010	<0.00050	<0.010	<0.000050
	FC-01	Primary	VA25D3069-002	2025-12-08	0.0096	<0.00010	0.00080	0.00376	<0.000020	<0.000050	<0.010	0.0000057	11.7	<0.00050	<0.00010	<0.00050	<0.010	<0.000050
	FC-01	Duplicate	VA25A6295-002	2025-03-19	0.0084	<0.00010	0.00093	0.00412	<0.000020	<0.000050	<0.010	0.0000054	12.3	<0.00050	<0.00010	<0.00050	<0.010	<0.000050

Notes:
'-' indicates parameter was not analyzed.
'<' indicates value was below the detection limit.

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Total Metals (<i>cont'd</i>)													
					Lithium, Total	Magnesium, Total	Manganese, Total	Mercury, Total	Molybdenum, Total	Nickel, Total	Phosphorus, Total	Potassium, Total	Selenium, Total	Silicon, Total	Silver, Total	Sodium, Total	Strontium, Total	Sulfur, Total
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Davidson Creek	DC-05	Primary	VA25A0824-004	2025-01-12	<0.0010	2.42	0.0249	<0.0000050	0.000712	<0.00050	<0.050	0.531	0.000090	6.89	<0.000010	3.02	0.0838	1.09
	DC-05	Primary	VA25A2544-005	2025-02-03	<0.0010	3.11	0.00548	<0.0000050	0.000892	<0.00050	<0.050	0.620	0.000077	6.82	<0.000010	3.47	0.102	1.12
	DC-05	Primary	VA25A6706-002	2025-03-25	<0.0010	3.94	0.0131	<0.0000050	0.000984	<0.00050	<0.050	0.700	0.000124	7.30	<0.000010	4.03	0.116	1.32
	DC-05	Primary	VA25A7611-001	2025-04-04	<0.0010	3.25	0.0152	<0.0000050	0.000824	<0.00050	<0.050	0.656	0.000125	7.15	<0.000010	3.64	0.0939	1.02
	DC-05	Primary	VA25B0343-008	2025-05-04	<0.0010	1.02	0.0110	0.0000054	0.000227	<0.00050	<0.050	0.769	<0.000050	4.81	0.000014	1.99	0.0387	0.57
	DC-05	Primary	VA25B0962-003	2025-05-11	<0.0010	0.958	0.0113	0.0000061	0.000301	0.00051	<0.050	0.685	<0.000050	5.00	<0.000010	1.79	0.0382	<0.50
	DC-05	Primary	VA25B1482-007	2025-05-14	<0.0010	0.949	0.00870	<0.0000050	0.000317	<0.00050	<0.050	0.599	<0.000050	4.36	<0.000010	1.95	0.0375	<0.50
	DC-05	Primary	VA25B2274-005	2025-05-25	<0.0010	0.971	0.00854	0.0000091	0.000298	<0.00050	<0.050	0.624	<0.000050	4.46	<0.000010	1.95	0.0369	<0.50
	DC-05	Primary	VA25B2953-004	2025-06-01	<0.0010	0.905	0.00982	<0.0000050	0.000338	<0.00050	<0.050	0.543	<0.000050	4.45	<0.000010	1.91	0.0356	<0.50
	DC-05	Primary	VA25B5984-001	2025-06-29	<0.0010	1.40	0.0402	<0.0000050	0.000491	0.00068	<0.050	0.805	0.000057	5.84	0.000011	2.37	0.0515	0.66
	DC-05	Primary	VA25B6851-002	2025-07-08	<0.0010	2.52	0.0464	<0.0000050	0.000711	<0.00050	<0.050	0.724	<0.000050	6.32	<0.000010	2.95	0.0825	0.85
	DC-05	Primary	VA25C0003-001	2025-08-10	<0.0010	2.32	0.0371	0.0000058	0.000894	<0.00050	<0.050	0.806	0.000068	6.10	<0.000010	3.22	0.0822	1.57
	DC-05	Primary	VA25C5489-003	2025-09-23	<0.0010	2.41	0.0516	<0.0000050	0.000810	<0.00050	<0.050	0.799	<0.000050	5.34	<0.000010	3.24	0.0903	1.37
	DC-05	Primary	VA25C7355-004	2025-10-07	<0.0010	2.08	0.0412	<0.0000050	0.000699	0.00064	<0.050	0.788	<0.000050	5.76	0.000010	2.93	0.0735	1.35
	DC-05	Primary	VA25C7563-005	2025-10-14	<0.0010	2.42	0.0303	<0.0000050	0.000723	<0.00050	<0.050	0.645	<0.000050	5.39	<0.000010	3.20	0.0823	1.06
	DC-05	Primary	VA25C8047-004	2025-10-18	<0.0010	2.42	0.0366	<0.0000050	0.000755	<0.00050	<0.050	0.527	0.000058	5.47	<0.000010	3.24	0.0921	1.42
	DC-05	Primary	VA25C9101-010	2025-10-29	<0.0010	2.01	0.0254	<0.0000050	0.000683	0.00056	<0.050	0.732	0.000076	6.60	0.000018	2.90	0.0705	1.94
	DC-05	Primary	VA25C9485-001	2025-10-31	<0.0010	2.07	0.0298	<0.0000050	0.000706	0.00071	<0.050	0.687	<0.000050	6.81	0.000018	3.05	0.0745	1.52
	DC-05	Primary	VA25D0189-001	2025-11-09	<0.0010	2.21	0.0160	<0.0000050	0.000655	<0.00050	<0.050	0.527	0.000072	5.61	<0.000010	2.89	0.0795	2.12
	DC-05	Primary	VA25D1021-002	2025-11-16	<0.0010	2.04	0.0147	<0.0000050	0.000559	<0.00050	<0.050	0.503	0.000080	6.00	<0.000010	2.79	0.0763	1.93
	DC-05	Primary	VA25D2832-001	2025-12-05	<0.0010	2.50	0.0146	<0.0000050	0.000622	<0.00050	<0.050	0.504	0.000085	6.45	<0.000010	3.20	0.0811	2.12
	DC-05	Duplicate	VA25A0824-005	2025-01-12	<0.0010	2.43	0.0174	<0.0000050	0.000680	<0.00050	<0.050	0.524	0.000113	6.86	<0.000010	3.04	0.0816	0.95
	DC-05	Duplicate	VA25A7611-002	2025-04-04	<0.0010	3.16	0.0153	<0.0000050	0.000779	<0.00050	<0.050	0.652	0.000086	7.16	<0.000010	3.62	0.0923	1.01
	DC-05	Duplicate	VA25B6851-003	2025-07-08	<0.0010	2.50	0.0474	<0.0000050	0.000754	<0.00050	<0.050	0.746	0.000087	6.22	<0.000010	2.96	0.0844	0.84
	DC-05	Duplicate	VA25C7563-006	2025-10-14	<0.0010	2.32	0.0275	<0.0000050	0.000746	<0.00050	<0.050	0.732	0.000058	5.06	<0.000010	3.19	0.0770	0.90
	DC-05	Duplicate	VA25C9485-002	2025-10-31	<0.0010	2.06	0.0302	0.0000060	0.000683	0.00070	<0.050	0.687	0.000053	6.83	0.000016	3.03	0.0746	1.52
	DC-10	Primary	VA25A0824-006	2025-01-12	<0.0010	2.47	0.00482	<0.0000050	0.000662	<0.00050	<0.050	0.537	0.000062	6.43	<0.000010	3.08	0.0837	1.06
	DC-10	Primary	VA25A2647-001	2025-02-04	<0.0010	3.16	0.00308	<0.0000050	0.000869	<0.00050	<0.050	0.630	0.000062	6.68	<0.000010	3.58	0.104	1.17
	DC-10	Primary	VA25A6706-004	2025-03-25	<0.0010	3.70	0.00832	<0.0000050	0.000969	<0.00050	<0.050	0.679	0.000100	7.13	<0.000010	3.88	0.111	1.31
	DC-10	Primary	VA25A7611-003	2025-04-04	<0.0010	3.20	0.0115	<0.0000050	0.000835	<0.00050	<0.050	0.674	0.000082	7.27	<0.000010	3.84	0.0980	1.05
	DC-10	Primary	VA25B0343-009	2025-05-04	<0.0010	1.05	0.0108	0.0000053	0.000245	<0.00050	<0.050	0.786	<0.000050	4.90	0.000011	2.03	0.0396	<0.50
	DC-10	Primary	VA25B5984-002	2025-06-29	<0.0010	1.44	0.0282	<0.0000050	0.000511	0.00064	<0.050	0.806	<0.000050	5.82	0.000012	2.38	0.0527	0.55
	DC-10	Primary	VA25B6851-004	2025-07-08	<0.0010	2.48	0.0224	<0.0000050	0.000682	<0.00050	<0.050	0.707	0.000090	5.88	<0.000010	2.95	0.0881	0.84
	DC-10	Primary	VA25C0017-004	2025-08-10	<0.0010	2.36	0.0148	<0.0000050	0.000835	<0.00050	<0.050	0.742	0.000068	5.64	<0.000010	3.19	0.0862	1.28
	DC-10	Primary	VA25C4751-001	2025-09-15	<0.0010	3.66	0.0126	<0.0000050	0.000869	<0.00050	<0.050	0.773	0.000065	5.32	<0.000010	3.66	0.108	3.55
	DC-10	Primary	VA25C9101-011	2025-10-29	<0.0010	2.06	0.0219	<0.0000050	0.000657	0.00057	<0.050	0.731	0.000067	7.10	0.000016	2.82	0.0719	2.03
	DC-10	Primary	VA25D1976-008	2025-11-26	<0.0010	2.66	0.0113	<0.0000050	0.000664	<0.00050	<0.050	0.524	0.000055					

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Total Metals (<i>cont'd</i>)													
					Lithium, Total	Magnesium, Total	Manganese, Total	Mercury, Total	Molybdenum, Total	Nickel, Total	Phosphorus, Total	Potassium, Total	Selenium, Total	Silicon, Total	Silver, Total	Sodium, Total	Strontium, Total	Sulfur, Total
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Davidson Creek (<i>cont'd</i>)	DC-20	Primary	VA25A2647-003	2025-02-04	<0.0010	3.98	0.0289	<0.0000050	0.000739	<0.00050	<0.050	0.733	<0.000050	6.78	<0.000010	3.87	0.108	1.06
	DC-20	Primary	VA25A4955-001	2025-03-04	<0.0010	4.27	0.0383	<0.0000050	0.000790	<0.00050	<0.050	0.740	0.000067	7.13	<0.000010	3.74	0.116	1.01
	DC-20	Primary	VA25A7310-003	2025-04-01	<0.0010	3.68	0.0521	<0.0000050	0.000744	<0.00050	<0.050	0.920	0.000072	6.15	<0.000010	3.78	0.0956	0.84
	DC-20	Primary	VA25B0343-010	2025-05-04	<0.0010	1.64	0.0172	<0.0000050	0.000327	<0.00050	<0.050	0.763	<0.000050	5.02	<0.000010	2.43	0.0499	0.51
	DC-20	Primary	VA25B0962-001	2025-05-11	<0.0010	1.68	0.0151	0.0000056	0.000387	<0.00050	<0.050	0.666	0.000097	4.92	<0.000010	2.16	0.0492	0.63
	DC-20	Primary	VA25B1482-008	2025-05-14	<0.0010	1.57	0.0126	<0.0000050	0.000377	<0.00050	<0.050	0.623	0.000050	4.66	<0.000010	2.36	0.0498	<0.50
	DC-20	Primary	VA25B2274-006	2025-05-25	<0.0010	1.76	0.0127	0.0000053	0.000375	<0.00050	<0.050	0.624	<0.000050	4.61	<0.000010	2.44	0.0482	<0.50
	DC-20	Primary	VA25B2953-005	2025-06-01	<0.0010	1.62	0.0185	<0.0000050	0.000446	<0.00050	<0.050	0.671	0.000050	5.16	0.000011	2.41	0.0502	<0.50
	DC-20	Primary	VA25B5722-003	2025-06-23	<0.0010	2.19	0.0302	<0.0000050	0.000642	<0.00050	<0.050	0.768	0.000050	5.83	<0.000010	2.90	0.0685	<0.50
	DC-20	Primary	VA25B6834-003	2025-07-07	<0.0010	2.49	0.0224	<0.0000050	0.000638	<0.00050	<0.050	0.760	0.000060	5.80	<0.000010	3.14	0.0775	<0.50
	DC-20	Primary	VA25C0017-001	2025-08-10	<0.0010	3.35	0.0307	<0.0000050	0.000851	<0.00050	<0.050	0.818	0.000064	6.18	<0.000010	3.58	0.0970	1.01
	DC-20	Primary	VA25C4967-002	2025-09-17	<0.0010	4.12	0.0224	<0.0000050	0.000808	<0.00050	<0.050	0.910	<0.000050	6.05	<0.000010	3.96	0.114	1.80
	DC-20	Primary	VA25C6908-003	2025-10-08	<0.0010	3.80	0.0326	<0.0000050	0.000764	<0.00050	<0.050	0.830	0.000072	6.24	<0.000010	3.70	0.102	1.05
	DC-20	Primary	VA25C7563-003	2025-10-14	<0.0010	3.71	0.0706	<0.0000050	0.000683	<0.00050	<0.050	0.722	<0.000050	6.22	<0.000010	3.70	0.0942	1.04
	DC-20	Primary	VA25C8358-002	2025-10-20	<0.0010	4.03	0.0379	<0.0000050	0.000675	<0.00050	<0.050	0.756	<0.000050	5.99	<0.000010	3.62	0.0955	0.90
	DC-20	Primary	VA25C9101-002	2025-10-29	<0.0010	3.34	0.0451	<0.0000050	0.000671	<0.00050	<0.050	0.730	<0.000050	6.04	<0.000010	3.48	0.0912	1.45
	DC-20	Primary	VA25C9485-003	2025-10-31	<0.0010	3.52	0.0403	<0.0000050	0.000700	<0.00050	<0.050	0.706	0.000064	6.18	<0.000010	3.70	0.0921	1.08
	DC-20	Primary	VA25D1976-004	2025-11-26	<0.0010	4.18	0.0532	<0.0000050	0.000639	<0.00050	<0.050	0.656	<0.000050	6.91	<0.000010	3.99	0.107	1.90
	DC-20	Primary	VA25D3068-004	2025-12-08	<0.0010	3.77	0.0487	<0.0000050	0.000639	<0.00050	<0.050	0.616	0.000055	6.29	<0.000010	3.49	0.0937	1.31
	DC-20	Duplicate	VA25B2953-006	2025-06-01	<0.0010	1.62	0.0183	<0.0000050	0.000459	<0.00050	<0.050	0.667	<0.000050	5.15	<0.000010	2.26	0.0513	<0.50
	DC-20	Duplicate	VA25C0017-002	2025-08-10	<0.0010	3.38	0.0757	0.0000050	0.000864	0.00052	<0.050	0.846	0.000065	6.46	<0.000010	3.57	0.0985	1.06
Creek 661	661-01	Primary	VA25A1481-001	2025-01-20	<0.0010	1.05	0.0160	<0.0000050	0.000196	<0.00050	<0.050	0.236	<0.000050	4.71	<0.000010	1.96	0.0307	<0.50
	661-01	Primary	VA25A8806-004	2025-04-15	<0.0010	0.831	0.00644	<0.0000050	0.000151	<0.00050	<0.050	0.286	<0.000050	4.82	<0.000010	1.97	0.0245	<0.50
	661-01	Primary	VA25B0343-004	2025-05-04	<0.0010	0.587	0.0156	0.0000053	0.000100	<0.00050	<0.050	0.356	0.000059	4.14	0.000014	1.54	0.0194	<0.50
	661-01	Primary	VA25B0962-005	2025-05-11	<0.0010	0.501	0.00432	0.0000072	0.000086	<0.00050	<0.050	0.219	<0.000050	4.07	<0.000010	1.27	0.0168	<0.50
	661-01	Primary	VA25B1482-002	2025-05-14	<0.0010	0.493	0.00488	<0.0000050	0.000092	<0.00050	<0.050	0.172	<0.000050	3.77	<0.000010	1.52	0.0171	<0.50
	661-01	Primary	VA25B2274-001	2025-05-25	<0.0010	0.508	0.00602	0.0000069	0.000095	<0.00050	<0.050	0.132	<0.000050	3.72	<0.000010	1.48	0.0170	<0.50
	661-01	Primary	VA25B2953-001	2025-06-01	<0.0010	0.516	0.00527	0.0000061	0.000112	<0.00050	<0.050	0.126	<0.000050	3.73	<0.000010	1.49	0.0174	<0.50
	661-01	Primary	VA25B5722-006	2025-06-23	<0.0010	0.721	0.00696	<0.0000050	0.000150	<0.00050	<0.050	0.130	<0.000050	3.40	<0.000010	1.81	0.0234	<0.50
	661-01	Primary	VA25B7427-010	2025-07-14	<0.0010	0.805	0.00698	<0.0000050	0.000184	<0.00050	<0.050	0.144	<0.000050	3.57	<0.000010	1.82	0.0270	<0.50
	661-01	Primary	VA25C0216-002	2025-08-11	<0.0010	0.986	0.00756	<0.0000050	0.000168	<0.00050	<0.050	0.183	<0.000050	4.62	<0.000010	2.05	0.0318	<0.50
	661-01	Primary	VA25C5489-005	2025-09-24	<0.0010	1.00	0.0680	<0.0000050	0.000171	<0.00050	<0.050	0.248	<0.000050	5.44	<0.000010	2.28	0.0309	<0.50
	661-01	Primary	VA25C5617-001	2025-09-22	<0.0010	0.994	0.00755	<0.0000050	0.000153	<0.00050	<0.050	0.239	<0.000050	4.83	<0.000010	2.19	0.0326	<0.50
	661-01	Primary	VA25C6039-001	2025-09-30	<0.0010	1.01	0.0135	<0.0000050	0.000208	<0.00050	<0.050	0.250	<0.000050	5.00	<0.000010	2.32	0.0323	<0.50
	661-01	Primary	VA25C7355-006	2025-10-07	<0.0010	1.04	0.0114	<0.0000050	0.000186	<0.00050	<0.050	0.277	<0.000050	5.08	<0.000010	2.38	0.0311	<0.50
	661-01	Primary	VA25C7416-001	2025-10-13	<0.0010	1.08	0.0223	<0.0000050	0.000166	<0.00050	<0.050	0.234	<0.000050	4.93	<0.000010	2.17	0.0306	<0.50
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APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Total Metals (cont'd)													
					Lithium, Total	Magnesium, Total	Manganese, Total	Mercury, Total	Molybdenum, Total	Nickel, Total	Phosphorus, Total	Potassium, Total	Selenium, Total	Silicon, Total	Silver, Total	Sodium, Total	Strontium, Total	Sulfur, Total
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Creek 661 (cont'd)	661-04	Primary	VA25A4183-004	2025-02-24	<0.0010	2.85	0.0109	<0.0000050	0.000672	<0.00050	<0.050	0.627	<0.000050	7.79	<0.000010	3.55	0.0680	1.40
	661-04	Primary	VA25A5225-001	2025-03-07	<0.0010	2.96	0.0285	<0.0000050	0.000674	0.00092	0.062	0.830	0.000068	9.31	<0.000010	3.66	0.0697	1.04
	661-04	Primary	VA25A8451-001	2025-04-14	<0.0010	2.34	0.0175	0.0000057	0.000359	<0.00050	0.061	0.956	0.000053	7.16	0.000019	3.09	0.0590	1.69
	661-04	Primary	VA25B0438-001	2025-05-05	<0.0010	1.08	0.00728	0.0000073	0.000222	<0.00050	<0.050	0.674	0.000057	5.18	0.000020	1.99	0.0320	0.52
	661-04	Primary	VA25B5932-001	2025-06-27	<0.0010	1.75	0.0203	<0.0000050	0.000411	0.00054	<0.050	0.531	0.000060	6.94	<0.000010	2.75	0.0472	<0.50
	661-04	Primary	VA25B7427-009	2025-07-14	<0.0010	2.12	0.0254	<0.0000050	0.000556	0.00053	<0.050	0.573	<0.000050	7.22	<0.000010	3.12	0.0610	<0.50
	661-04	Primary	VA25C0216-003	2025-08-11	<0.0010	2.84	0.0275	<0.0000050	0.000830	<0.00050	<0.050	0.482	0.000052	6.74	<0.000010	3.39	0.0746	<0.50
	661-04	Primary	VA25C4967-005	2025-09-17	<0.0010	3.19	0.0178	<0.0000050	0.000909	<0.00050	<0.050	0.698	<0.000050	7.56	<0.000010	4.00	0.0808	0.93
	661-04	Primary	VA25C7416-002	2025-10-13	<0.0010	2.71	0.0158	<0.0000050	0.000603	<0.00050	<0.050	0.610	<0.000050	7.28	<0.000010	3.62	0.0676	1.62
	661-04	Primary	VA25D1159-004	2025-11-18	<0.0010	2.80	0.0198	<0.0000050	0.000572	<0.00050	<0.050	0.629	0.000051	7.92	<0.000010	3.55	0.0688	1.45
	661-04	Primary	VA25D3210-001	2025-12-09	<0.0010	2.87	0.0168	<0.0000050	0.000652	<0.00050	<0.050	0.614	<0.000050	8.03	<0.000010	3.52	0.0719	1.06
	661-04	Duplicate	VA25A1481-003	2025-01-20	<0.0010	2.70	0.00910	<0.0000050	0.000586	<0.00050	<0.050	0.604	<0.000050	7.92	<0.000010	3.49	0.0690	1.52
	661-04	Duplicate	VA25A8451-002	2025-04-14	<0.0010	2.29	0.0170	<0.0000050	0.000356	0.00050	0.062	0.943	<0.000050	7.06	0.000018	3.11	0.0581	1.71
	661-04	Duplicate	VA25B5932-002	2025-06-27	<0.0010	1.77	0.0222	<0.0000050	0.000398	0.00054	<0.050	0.537	0.000071	7.10	0.000010	2.82	0.0472	<0.50
	661-04	Duplicate	VA25C4967-006	2025-09-17	<0.0010	3.25	0.0179	<0.0000050	0.000938	<0.00050	<0.050	0.693	<0.000050	7.46	<0.000010	3.99	0.0804	0.82
	661-05	Primary	VA25A0964-002	2025-01-13	<0.0010	2.85	0.00893	<0.0000050	0.000792	<0.00050	0.073	0.530	0.000070	8.82	<0.000010	3.62	0.0790	<0.50
	661-05	Primary	VA25A4211-002	2025-02-18	<0.0010	3.40	0.0210	<0.0000050	0.000888	<0.00050	0.075	0.596	0.000108	9.60	<0.000010	4.14	0.0853	0.52
	661-05	Primary	VA25A5225-002	2025-03-07	<0.0010	3.23	0.0213	<0.0000050	0.000981	0.00051	0.059	0.744	0.000102	9.96	<0.000010	3.98	0.0881	<0.50
	661-05	Primary	VA25A8806-001	2025-04-15	<0.0010	2.07	0.0471	0.0000083	0.000483	0.00083	0.083	0.907	0.000124	9.37	0.000022	2.94	0.0543	<0.50
	661-05	Primary	VA25B0343-006	2025-05-04	<0.0010	1.77	0.0130	<0.0000050	0.000381	<0.00050	<0.050	0.610	0.000078	7.30	0.000010	2.90	0.0524	<0.50
	661-05	Primary	VA25B5932-003	2025-06-27	<0.0010	2.41	0.0185	<0.0000050	0.000598	<0.00050	<0.050	0.562	0.000085	8.71	<0.000010	3.42	0.0674	<0.50
	661-05	Primary	VA25B6851-001	2025-07-08	<0.0010	2.92	0.0187	<0.0000050	0.000748	<0.00050	<0.050	0.487	0.000129	8.45	<0.000010	3.58	0.0795	<0.50
	661-05	Primary	VA25C0216-001	2025-08-11	<0.0010	3.26	0.0129	<0.0000050	0.000910	<0.00050	0.068	0.522	0.000055	8.13	<0.000010	3.68	0.0883	<0.50
	661-05	Primary	VA25C3886-001	2025-09-10	<0.0010	3.18	0.0136	<0.0000050	0.000914	<0.00050	0.062	0.585	0.000069	8.49	<0.000010	4.19	0.0866	<0.50
	661-05	Primary	VA25C8345-001	2025-10-21	<0.0010	3.27	0.00964	<0.0000050	0.000834	<0.00050	0.055	0.610	0.000087	9.06	<0.000010	4.16	0.0837	<0.50
	661-05	Primary	VA25D0570-003	2025-11-12	<0.0010	3.21	0.00953	<0.0000050	0.000836	<0.00050	<0.050	0.566	0.000060	8.96	<0.000010	3.61	0.0802	0.58
	661-05	Primary	VA25D3210-002	2025-12-09	<0.0010	3.15	0.0104	<0.0000050	0.000911	<0.00050	0.068	0.585	0.000095	9.06	<0.000010	3.96	0.0889	<0.50
	661-05	Duplicate	VA25A0964-003	2025-01-13	<0.0010	2.93	0.00841	<0.0000050	0.000816	<0.00050	0.066	0.549	0.000071	9.01	<0.000010	3.74	0.0816	<0.50
	661-10	Primary	VA25A0356-002	2025-01-06	<0.0010	2.45	0.0155	<0.0000050	0.000480	<0.00050	<0.050	0.459	<0.000050	7.66	<0.000010	3.41	0.0596	1.04
	661-10	Primary	VA25A4211-001	2025-02-18	<0.0010	2.99	0.0538	<0.0000050	0.000532	<0.00050	<0.050	0.830	0.000079	8.96	0.000011	3.92	0.0674	1.19
	661-10	Primary	VA25A5381-001	2025-03-10	<0.0010	2.61	0.0402	<0.0000050	0.000572	<0.00050	<0.050	0.642	<0.000050	8.40	<0.000010	3.67	0.0670	1.22
	661-10	Primary	VA25A8806-003	2025-04-15	<0.0010	2.01	0.0285	0.0000064	0.000303	0.00064	0.053	0.828	0.000055	7.33	0.000021	2.88	0.0469	0.95
	661-10	Primary	VA25B0343-007	2025-05-04	<0.0010	0.983	0.0230	0.0000081	0.000164	<0.00050	<0.050	0.432	0.000054	4.99	0.000019	2.00	0.0262	<0.50
	661-10	Primary	VA25B0962-007	2025-05-11	<0.0010	0.945	0.00748	0.0000060	0.000195	<0.00050	<0.050	0.356	0.000052	5.14	0.000012	1.77	0.0257	<0.50
	661-10	Primary	VA25B1482-004	2025-05-14	<0.0010	0.862	0.00784	0.0000058	0.000188	<0.00050	<0.050	0.285	0.000059	4.52	<0.000010	1.82	0.0259	<0.50
	661-10	Primary	VA25B2274-002	2025-05-25	<0.0010	0.993	0.00606	0.0000079	0.000186	<0.00050	<0.050	0.319	<0.000050	4.82	<0.000010	1.93	0.0271	<0.50
	661-10	Primary	VA25B2953-002	2025-06-01	<0.0010	1.10	0.00823											

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Total Metals (<i>cont'd</i>)													
					Lithium, Total	Magnesium, Total	Manganese, Total	Mercury, Total	Molybdenum, Total	Nickel, Total	Phosphorus, Total	Potassium, Total	Selenium, Total	Silicon, Total	Silver, Total	Sodium, Total	Strontium, Total	Sulfur, Total
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Creek 661 (<i>cont'd</i>)	661-20	Primary	VA25D0189-004	2025-11-10	<0.0010	5.55	0.00569	<0.0000050	0.000933	<0.00050	<0.050	0.799	0.000060	7.53	<0.000010	4.41	0.0959	0.90
	661-20	Duplicate	VA25D0189-005	2025-11-10	<0.0010	5.53	0.0441	<0.0000050	0.000970	<0.00050	<0.050	0.794	0.000090	7.59	<0.000010	4.57	0.0984	0.81
Turtle Creek	TC-01	Primary	VA25A1845-005	2025-01-26	<0.0010	4.81	0.0134	<0.0000050	0.000401	<0.00050	<0.050	0.652	0.000062	7.24	<0.000010	2.83	0.118	<0.50
	TC-01	Primary	VA25A5560-004	2025-03-11	<0.0010	4.53	0.00977	<0.0000050	0.000444	<0.00050	<0.050	0.613	0.000099	6.83	<0.000010	2.82	0.119	0.63
	TC-01	Primary	VA25A8058-006	2025-04-09	<0.0010	4.28	0.00804	<0.0000050	0.000417	0.00055	<0.050	0.688	0.000081	6.54	<0.000010	2.72	0.114	<0.50
	TC-01	Primary	VA25B1312-001	2025-05-13	<0.0010	3.81	0.0154	<0.0000050	0.000422	<0.00050	<0.050	0.582	0.000067	6.38	<0.000010	2.61	0.106	<0.50
	TC-01	Primary	VA25B5722-005	2025-06-23	<0.0010	3.87	0.0184	<0.0000050	0.000917	<0.00050	<0.050	0.658	0.000081	6.42	<0.000010	2.70	0.111	0.88
	TC-01	Primary	VA25B6834-005	2025-07-07	<0.0010	3.69	0.0449	<0.0000050	0.000830	<0.00050	<0.050	0.723	0.000173	6.92	<0.000010	2.82	0.117	0.75
	TC-01	Primary	VA25B9366-001	2025-08-04	<0.0010	4.13	0.0185	<0.0000050	0.000617	<0.00050	<0.050	0.709	0.000083	7.66	<0.000010	2.68	0.120	0.65
	TC-01	Primary	VA25C4967-003	2025-09-17	<0.0010	4.18	0.0331	<0.0000050	0.000351	<0.00050	<0.050	0.774	0.000054	8.03	<0.000010	2.94	0.117	<0.50
	TC-01	Primary	VA25C8358-006	2025-10-20	<0.0010	4.30	0.0153	<0.0000050	0.000442	<0.00050	<0.050	0.664	<0.000050	7.28	<0.000010	2.80	0.115	0.68
	TC-01	Primary	VA25D1976-007	2025-11-26	<0.0010	4.30	0.00535	<0.0000050	0.000489	<0.00050	<0.050	0.684	0.000180	7.05	<0.000010	3.00	0.113	0.92
	TC-01	Primary	VA25D3939-001	2025-12-17	<0.0010	4.44	0.0166	<0.0000050	0.000382	<0.00050	<0.050	0.711	0.000084	7.19	<0.000010	2.97	0.117	0.67
	TC-05	Primary	VA25A1845-004	2025-01-26	<0.0010	5.92	0.0206	<0.0000050	0.000790	<0.00050	<0.050	0.857	0.000086	7.83	<0.000010	4.20	0.130	1.33
	TC-05	Primary	VA25A4183-001	2025-02-24	<0.0010	6.31	0.0362	<0.0000050	0.000931	<0.00050	<0.050	1.12	0.000061	8.06	<0.000010	4.51	0.152	1.74
	TC-05	Primary	VA25A5268-003	2025-03-09	<0.0010	6.51	0.0282	<0.0000050	0.000835	<0.00050	<0.050	1.16	0.000117	7.42	<0.000010	4.14	0.142	1.66
	TC-05	Primary	VA25A8058-005	2025-04-09	<0.0010	4.62	0.0239	<0.0000050	0.000682	0.00066	<0.050	1.20	0.000071	6.12	<0.000010	3.27	0.109	0.94
	TC-05	Primary	VA25B1312-002	2025-05-13	<0.0010	1.73	0.00664	<0.0000050	0.000314	<0.00050	<0.050	0.464	0.000052	4.83	<0.000010	2.14	0.0539	<0.50
	TC-05	Primary	VA25B5722-004	2025-06-23	<0.0010	3.91	0.0388	<0.0000050	0.000684	<0.00050	<0.050	0.638	0.000123	5.88	<0.000010	3.25	0.107	0.67
	TC-05	Primary	VA25B6834-004	2025-07-07	<0.0010	4.48	0.0445	<0.0000050	0.000758	<0.00050	<0.050	0.647	0.000125	6.28	<0.000010	3.50	0.117	0.72
	TC-05	Primary	VA25B9366-002	2025-08-04	<0.0010	5.30	0.0523	<0.0000050	0.000808	<0.00050	<0.050	0.802	0.000133	6.40	<0.000010	3.59	0.138	0.91
	TC-05	Primary	VA25C4967-004	2025-09-17	<0.0010	6.51	0.0287	<0.0000050	0.000872	<0.00050	<0.050	1.11	0.000073	7.09	<0.000010	4.56	0.150	0.90
	TC-05	Primary	VA25C8346-001	2025-10-22	<0.0010	5.66	0.0452	<0.0000050	0.000647	<0.00050	<0.050	1.04	0.000089	7.12	<0.000010	4.32	0.133	1.02
	TC-05	Primary	VA25D1976-006	2025-11-26	<0.0010	6.25	0.0313	<0.0000050	0.000759	<0.00050	<0.050	0.991	0.000092	8.08	<0.000010	4.83	0.149	1.55
	TC-05	Primary	VA25D3939-002	2025-12-17	<0.0010	5.27	0.0293	<0.0000050	0.000555	<0.00050	<0.050	1.23	0.000052	7.21	<0.000010	4.01	0.123	1.05
	TC-05	Duplicate	VA25B1312-003	2025-05-13	<0.0010	1.88	0.00663	<0.0000050	0.000329	<0.00050	<0.050	0.506	0.000072	4.98	<0.000010	2.31	0.0543	<0.50
	TC-10	Primary	VA25A2544-002	2025-02-03	<0.0010	6.05	0.0690	<0.0000050	0.000830	<0.00050	<0.050	1.04	<0.000050	7.64	<0.000010	4.47	0.151	1.37
	TC-10	Primary	VA25B1312-004	2025-05-13	<0.0010	2.79	0.0109	<0.0000050	0.000562	<0.00050	<0.050	0.592	0.000065	4.98	<0.000010	2.98	0.0754	0.53
	TC-10	Primary	VA25B6834-006	2025-07-07	<0.0010	5.55	0.0699	<0.0000050	0.000927	<0.00050	<0.050	0.646	0.000097	7.04	<0.000010	4.36	0.143	0.55
	TC-10	Primary	VA25C3699-001	2025-09-09	<0.0010	7.14	0.0832	<0.0000050	0.000833	<0.00050	<0.050	0.967	0.000082	8.23	<0.000010	5.32	0.162	<0.50
	TC-10	Primary	VA25C9690-004	2025-11-03	<0.0010	6.52	0.0479	<0.0000050	0.000770	<0.00050	<0.050	1.17	<0.000050	7.45	<0.000010	4.82	0.131	1.17
	TC-15	Primary	VA25B1312-005	2025-05-13	<0.0010	3.35	0.00150	<0.0000050	0.000528	<0.00050	<0.050	0.715	<0.000050	5.07	<0.000010	3.27	0.0724	0.56
Chedakuz Creek	CC-03	Primary	VA25A0356-004	2025-01-06	<0.0010	9.95	0.0178	<0.0000050	0.000938	<0.00050	<0.050	1.32	0.000063	6.87	<0.000010	5.70	0.148	2.01
	CC-03	Primary	VA25A4598-002	2025-02-28	<0.0010	9.00	0.0168	<0.0000050	0.000697	<0.00050	<0.050	1.41	0.000066	5.85	<0.000010	5.10	0.138	1.40
	CC-03	Primary	VA25A5381-002	2025-03-10	<0.0010	8.03	0.0175	<0.0000050	0.000689	<0.00050	<0.050	1.21	<0.000050	5.37	<0.000010	4.97	0.117	1.43
	CC-03	Primary	VA25A8257-001	2025-04-10	<0.0010	5.85	0.0225	<0.0000050	0.000630	<0.00050	<0.050	1.21	0.000066	5.37	<0.000010	3.38	0.0840	1.36
	CC-03	Primary	VA25B0343-001	2025-05-04	<0.0010	4.50	0.0370	<0.0000050	0.000524	<0.00.								

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Total Metals (<i>cont'd</i>)													
					Lithium, Total	Magnesium, Total	Manganese, Total	Mercury, Total	Molybdenum, Total	Nickel, Total	Phosphorus, Total	Potassium, Total	Selenium, Total	Silicon, Total	Silver, Total	Sodium, Total	Strontium, Total	Sulfur, Total
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Chedakuz Creek (<i>cont'd</i>)	CC-03	Duplicate	VA25B0962-008	2025-05-11	<0.0010	5.08	0.0245	<0.0000050	0.000603	<0.00050	<0.050	0.775	0.000053	3.47	<0.000010	3.08	0.0727	0.64
	CC-03	Duplicate	VA25B5529-002	2025-06-24	<0.0010	5.76	0.0357	<0.0000050	0.000860	<0.00050	<0.050	0.790	<0.000050	5.84	<0.000010	3.39	0.0983	2.51
	CC-03	Duplicate	VA25C8919-004	2025-10-26	<0.0010	8.11	0.0135	<0.0000050	0.000818	<0.00050	<0.050	1.17	0.000058	7.17	<0.000010	4.71	0.123	2.79
	CC-03	Duplicate	VA25D4214-003	2025-12-26	<0.0010	10.2	0.0278	<0.0000050	0.000868	<0.00050	<0.050	1.24	0.000054	8.16	<0.000010	5.65	0.130	2.69
	CC-05	Primary	VA25A4598-003	2025-02-28	<0.0010	8.41	0.0165	<0.0000050	0.000788	<0.00050	<0.050	1.29	0.000067	6.55	<0.000010	5.14	0.130	1.46
	CC-05	Primary	VA25B0343-002	2025-05-04	<0.0010	2.87	0.0335	0.0000051	0.000464	<0.00050	<0.050	0.670	0.000074	4.70	0.000010	2.86	0.0513	<0.50
	CC-05	Primary	VA25B7427-004	2025-07-14	<0.0010	5.83	0.0239	<0.0000050	0.000840	<0.00050	<0.050	0.772	0.000071	6.27	<0.000010	3.99	0.106	1.40
	CC-05	Primary	VA25D0189-007	2025-11-10	<0.0010	6.96	0.0162	<0.0000050	0.000878	<0.00050	<0.050	0.919	<0.000050	7.08	<0.000010	4.66	0.110	1.94
	CC-05	Duplicate	VA25A4598-004	2025-02-28	<0.0010	8.26	0.0172	<0.0000050	0.000769	<0.00050	<0.050	1.30	0.000063	6.59	<0.000010	5.05	0.132	1.56
	CC-05	Duplicate	VA25B0343-003	2025-05-04	<0.0010	2.97	0.0314	0.0000051	0.000471	<0.00050	<0.050	0.688	0.000069	4.77	<0.000010	2.90	0.0523	<0.50
	CC-10	Primary	VA25A3507-005	2025-02-17	<0.0010	5.45	0.00386	<0.0000050	0.000685	<0.00050	<0.050	1.01	0.000079	5.02	<0.000010	4.26	0.112	1.64
	CC-10	Primary	VA25B1482-006	2025-05-14	<0.0010	4.96	0.0954	<0.0000050	0.000614	<0.00050	<0.050	0.789	0.000070	4.85	<0.000010	3.73	0.102	1.07
	CC-10	Primary	VA25B9374-003	2025-08-03	<0.0010	4.63	0.0163	<0.0000050	0.000615	<0.00050	<0.050	0.749	0.000056	2.00	<0.000010	3.57	0.0984	1.32
	CC-10	Primary	VA25D1976-005	2025-11-26	<0.0010	5.22	0.0254	<0.0000050	0.000580	<0.00050	<0.050	0.846	0.000080	3.63	<0.000010	4.11	0.105	1.32
	CC-15	Primary	VA25A0964-004	2025-01-13	<0.0010	5.02	0.0169	<0.0000050	0.000694	<0.00050	<0.050	0.920	0.000062	5.10	<0.000010	3.71	0.109	1.04
	CC-15	Primary	VA25A3507-003	2025-02-17	<0.0010	5.32	0.0194	<0.0000050	0.000709	<0.00050	<0.050	1.01	0.000051	5.37	<0.000010	4.23	0.114	1.61
	CC-15	Primary	VA25A5268-001	2025-03-09	<0.0010	5.31	0.0346	<0.0000050	0.000751	<0.00050	<0.050	1.12	0.000057	5.00	<0.000010	3.94	0.113	1.48
	CC-15	Primary	VA25A7310-001	2025-04-01	<0.0010	4.60	0.0461	<0.0000050	0.000802	<0.00050	0.070	1.64	0.000117	4.73	<0.000010	3.79	0.106	1.32
	CC-15	Primary	VA25B0438-004	2025-05-05	<0.0010	3.96	0.103	<0.0000050	0.000656	0.00053	<0.050	1.01	0.000098	5.58	<0.000010	3.23	0.0936	1.19
	CC-15	Primary	VA25B1094-002	2025-05-12	<0.0010	3.92	0.0243	<0.0000050	0.000619	<0.00050	<0.050	0.839	0.000061	4.46	<0.000010	3.14	0.0921	1.43
	CC-15	Primary	VA25B1721-003	2025-05-19	<0.0010	3.60	0.0478	<0.0000050	0.000604	0.00054	<0.050	0.921	0.000076	4.91	<0.000010	2.72	0.0823	1.64
	CC-15	Primary	VA25B2427-001	2025-05-26	<0.0010	4.39	0.0220	<0.0000050	0.000605	<0.00050	<0.050	0.849	0.000052	3.94	<0.000010	3.24	0.0883	1.63
	CC-15	Primary	VA25B3822-001	2025-06-02	<0.0010	4.34	0.0253	<0.0000050	0.000662	<0.00050	<0.050	0.874	0.000055	4.17	<0.000010	3.46	0.0907	1.68
	CC-15	Primary	VA25B5722-002	2025-06-23	<0.0010	4.20	0.0354	<0.0000050	0.000714	<0.00050	<0.050	0.852	0.000062	3.92	<0.000010	3.22	0.0962	1.38
	CC-15	Primary	VA25B6834-002	2025-07-07	<0.0010	4.39	0.0225	<0.0000050	0.000675	<0.00050	<0.050	0.843	<0.000050	3.68	<0.000010	3.49	0.101	1.13
	CC-15	Primary	VA25B9366-003	2025-08-04	<0.0010	4.72	0.0286	<0.0000050	0.000794	<0.00050	<0.050	0.848	0.000088	3.91	<0.000010	3.46	0.111	1.55
	CC-15	Primary	VA25C4967-007	2025-09-17	<0.0010	4.90	0.0227	<0.0000050	0.000734	<0.00050	<0.050	0.924	0.000083	3.08	<0.000010	3.82	0.110	1.35
	CC-15	Primary	VA25C6908-002	2025-10-08	<0.0010	4.96	0.0220	<0.0000050	0.000690	<0.00050	<0.050	0.927	<0.000050	3.50	<0.000010	3.79	0.108	1.17
	CC-15	Primary	VA25C7563-002	2025-10-14	<0.0010	4.92	0.0310	<0.0000050	0.000707	<0.00050	<0.050	0.876	0.000055	3.83	<0.000010	3.92	0.104	1.45
	CC-15	Primary	VA25C8358-003	2025-10-20	<0.0010	5.04	0.0297	<0.0000050	0.000652	<0.00050	<0.050	0.863	0.000063	3.58	<0.000010	3.85	0.105	1.10
	CC-15	Primary	VA25C8919-009	2025-10-27	<0.0010	4.32	0.0228	<0.0000050	0.000683	<0.00050	<0.050	0.927	<0.000050	4.85	<0.000010	3.58	0.105	1.56
	CC-15	Primary	VA25C9101-003	2025-10-29	<0.0010	4.41	0.0254	<0.0000050	0.000676	<0.00050	<0.050	0.915	0.000087	4.58	<0.000010	3.59	0.102	1.61
	CC-15	Primary	VA25D1976-002	2025-11-26	<0.0010	5.19	0.0288	<0.0000050	0.000638	<0.00050	<0.050	0.866	0.000069	4.72	<0.000010	3.85	0.109	1.61
	CC-15	Primary	VA25D4214-008	2025-12-27	<0.0010	5.38	0.0263	<0.0000050	0.000628	<0.00050	<0.050	0.904	<0.000050	4.82	<0.000010	3.83	0.107	1.43
	CC-15	Duplicate	VA25A3507-004	2025-02-17	<0.0010	5.12	0.0188	<0.0000050	0.000722	<0.00050	<0.050	0.992	0.000056	5.31	<0.000010	4.21	0.112	1.62
	CC-15	Duplicate	VA25A5268-002	2025-03-09	<0.0010	5.27	0.0365	<0.0000050	0.000742	<0.00050	<0.050	1.16	0.000080	5.17	<0.000010	3.93	0.117	1.83
	CC-15	Duplicate	VA25A7310-002	2025-04-01	<0.0010	4.50	0.0464	<0.0000050	0.000802	<0.00050	0.091	1.60	0.000109	4.77	<			

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Total Metals (<i>cont'd</i>)													
					Lithium, Total	Magnesium, Total	Manganese, Total	Mercury, Total	Molybdenum, Total	Nickel, Total	Phosphorus, Total	Potassium, Total	Selenium, Total	Silicon, Total	Silver, Total	Sodium, Total	Strontium, Total	Sulfur, Total
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Chedakuz Creek (<i>cont'd</i>)	CC-20	Primary	VA25C6908-001	2025-10-08	<0.0010	5.15	0.0232	<0.0000050	0.000696	<0.00050	<0.050	0.912	0.000073	3.68	<0.000010	3.78	0.112	1.36
	CC-20	Primary	VA25C7563-001	2025-10-14	<0.0010	4.85	0.0283	<0.0000050	0.000689	<0.00050	<0.050	0.839	<0.000050	4.00	<0.000010	3.78	0.106	1.44
	CC-20	Primary	VA25C8358-005	2025-10-20	<0.0010	5.09	0.0273	<0.0000050	0.000658	<0.00050	<0.050	0.847	0.000060	3.87	<0.000010	3.81	0.105	1.10
	CC-20	Primary	VA25C8919-008	2025-10-27	<0.0010	4.37	0.0331	<0.0000050	0.000672	<0.00050	<0.050	0.916	<0.000050	4.73	<0.000010	3.60	0.105	1.38
	CC-20	Primary	VA25C9101-008	2025-10-29	<0.0010	4.44	0.0255	<0.0000050	0.000696	<0.00050	<0.050	0.862	0.000075	4.88	<0.000010	3.72	0.102	1.72
	CC-20	Primary	VA25D1976-001	2025-11-26	<0.0010	5.04	0.0440	<0.0000050	0.000645	<0.00050	<0.050	0.871	0.000073	4.89	<0.000010	4.10	0.115	1.78
	CC-20	Primary	VA25D4214-007	2025-12-27	<0.0010	5.38	0.0262	<0.0000050	0.000629	<0.00050	<0.050	0.918	0.000051	4.80	<0.000010	3.85	0.105	1.38
	CC-20	Duplicate	VA25A1845-003	2025-01-26	<0.0010	5.36	0.0188	<0.0000050	0.000690	<0.00050	<0.050	0.881	0.000055	5.27	<0.000010	3.97	0.111	1.52
	CC-20	Duplicate	VA25A8058-004	2025-04-09	<0.0010	4.36	0.0593	<0.0000050	0.000676	0.00085	<0.050	1.12	0.000082	5.27	<0.000010	3.12	0.0986	1.91
	CC-20	Duplicate	VA25B6834-007	2025-07-07	<0.0010	4.48	0.0272	<0.0000050	0.000711	<0.00050	<0.050	0.858	0.000076	3.77	<0.000010	3.54	0.104	1.11
	CC-30	Primary	VA25A5560-002	2025-03-11	<0.0010	6.17	0.0235	<0.0000050	0.000929	<0.00050	<0.050	1.16	<0.000050	5.46	<0.000010	4.40	0.120	1.50
	CC-30	Primary	VA25A8058-002	2025-04-09	<0.0010	4.68	0.0670	<0.0000050	0.000779	0.00090	<0.050	1.37	0.000080	5.07	<0.000010	3.63	0.0971	1.68
	CC-30	Primary	VA25B7192-002	2025-07-13	<0.0010	4.98	0.0640	<0.0000050	0.000873	<0.00050	<0.050	0.817	<0.000050	3.80	<0.000010	3.87	0.105	0.70
	CC-30	Primary	VA25C6737-003	2025-10-05	<0.0010	5.69	0.0421	<0.0000050	0.00102	<0.00050	<0.050	1.04	0.000055	4.18	<0.000010	4.82	0.124	1.13
	CC-30	Duplicate	VA25B7192-003	2025-07-13	<0.0010	4.98	0.0754	<0.0000050	0.000834	<0.00050	<0.050	0.812	0.000094	3.76	<0.000010	3.99	0.106	0.93
	CC-40	Primary	VA25A1845-001	2025-01-26	<0.0010	6.51	0.0297	<0.0000050	0.000904	<0.00050	<0.050	0.999	<0.000050	6.13	<0.000010	5.34	0.128	1.43
	CC-40	Primary	VA25A3507-001	2025-02-17	<0.0010	6.60	0.0361	<0.0000050	0.000962	<0.00050	<0.050	1.13	0.000064	6.20	<0.000010	5.51	0.131	1.57
	CC-40	Primary	VA25A5560-003	2025-03-11	<0.0010	6.30	0.0286	<0.0000050	0.000995	<0.00050	<0.050	1.27	0.000068	5.53	<0.000010	4.72	0.121	1.61
	CC-40	Primary	VA25A8058-001	2025-04-09	<0.0010	4.95	0.0635	<0.0000050	0.000791	0.00080	<0.050	1.32	0.000067	4.89	<0.000010	3.74	0.0982	1.58
	CC-40	Primary	VA25B0438-006	2025-05-05	<0.0010	3.50	0.0408	<0.0000050	0.000577	<0.00050	<0.050	0.972	0.000072	4.83	<0.000010	3.13	0.0804	1.05
	CC-40	Primary	VA25B1094-003	2025-05-12	<0.0010	3.80	0.0262	<0.0000050	0.000583	<0.00050	<0.050	0.786	0.000097	4.07	<0.000010	3.19	0.0827	1.37
	CC-40	Primary	VA25B1721-001	2025-05-19	<0.0010	3.51	0.0838	<0.0000050	0.000538	0.00060	<0.050	0.906	<0.000050	4.89	<0.000010	3.00	0.0734	1.29
	CC-40	Primary	VA25B2427-003	2025-05-26	<0.0010	4.20	0.0404	<0.0000050	0.000602	<0.00050	<0.050	0.828	0.000072	4.28	<0.000010	3.29	0.0828	1.45
	CC-40	Primary	VA25B3822-003	2025-06-02	<0.0010	4.45	0.0527	<0.0000050	0.000646	<0.00050	<0.050	0.840	0.000077	4.69	<0.000010	3.74	0.0936	1.16
	CC-40	Primary	VA25B5256-001	2025-06-22	<0.0010	4.75	0.0684	<0.0000050	0.000875	<0.00050	<0.050	0.872	0.000072	4.38	<0.000010	3.79	0.103	1.32
	CC-40	Primary	VA25B7192-001	2025-07-13	<0.0010	5.34	0.0541	<0.0000050	0.000921	<0.00050	<0.050	0.856	0.000088	3.90	<0.000010	4.15	0.109	0.84
	CC-40	Primary	VA25B9374-001	2025-08-03	<0.0010	5.35	0.0485	<0.0000050	0.00123	<0.00050	<0.050	1.03	0.000084	4.28	<0.000010	4.66	0.122	1.16
	CC-40	Primary	VA25C4967-009	2025-09-17	<0.0010	6.52	0.0366	<0.0000050	0.00122	<0.00050	<0.050	1.19	<0.000050	4.12	<0.000010	5.56	0.133	1.19
	CC-40	Primary	VA25C6737-001	2025-10-05	<0.0010	6.67	0.0310	<0.0000050	0.00112	<0.00050	<0.050	1.12	0.000063	4.41	<0.000010	5.40	0.131	1.32
	CC-40	Primary	VA25C7563-004	2025-10-14	<0.0010	6.39	0.0335	<0.0000050	0.00107	<0.00050	<0.050	1.02	<0.000050	4.91	<0.000010	5.56	0.124	1.42
	CC-40	Primary	VA25C8358-001	2025-10-20	<0.0010	7.01	0.0324	<0.0000050	0.00112	<0.00050	<0.050	1.03	<0.000050	4.57	<0.000010	5.76	0.128	1.40
	CC-40	Primary	VA25C8919-007	2025-10-27	<0.0010	6.09	0.0315	<0.0000050	0.000992	<0.00050	<0.050	1.13	0.000052	5.23	<0.000010	5.00	0.121	1.40
	CC-40	Primary	VA25C9101-001	2025-10-29	<0.0010	5.79	0.0318	<0.0000050	0.000981	<0.00050	<0.050	1.07	0.000070	5.10	<0.000010	4.92	0.117	1.65
	CC-40	Primary	VA25D1004-001	2025-11-17	<0.0010	5.87	0.0374	<0.0000050	0.000930	<0.00050	<0.050	0.935	0.000062	5.38	<0.000010	4.77	0.124	1.69
	CC-40	Primary	VA25D4214-006	2025-12-27	<0.0010	6.52	0.0354	<0.0000050	0.000750	<0.00050	<0.050	0.995	<0.000050	5.60	<0.000010	4.81	0.120	1.45
	CC-40	Duplicate	VA25B5256-002	2025-06-22	<0.0010	4.71	0.0675	<0.0000050	0.000851	<0.00050	<0.050	0.867	0.000085	4.32	<0.000010	3.72	0.106	1.18
	CC-40	Duplicate	VA25B9374-002	2025-08-03	<0.0010	5.65	0.0502	<0.0000050	0.00121	<0.00050	<0.050	1.05	0.000085	4.27	<0			

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Total Metals (cont'd)													
					Lithium, Total	Magnesium, Total	Manganese, Total	Mercury, Total	Molybdenum, Total	Nickel, Total	Phosphorus, Total	Potassium, Total	Selenium, Total	Silicon, Total	Silver, Total	Sodium, Total	Strontium, Total	Sulfur, Total
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Creek 705 (cont'd)	705-05	Duplicate	VA25B0438-008	2025-05-05	<0.0010	0.747	0.0116	0.0000053	0.000302	<0.00050	<0.050	0.439	<0.000050	3.80	<0.000010	1.46	0.0394	<0.50
	705-10	Primary	VA25A0226-002	2025-01-05	<0.0010	1.52	0.00254	<0.0000050	0.000456	<0.00050	<0.050	0.325	<0.000050	4.50	<0.000010	2.70	0.0654	0.55
	705-10	Primary	VA25A2544-003	2025-02-03	<0.0010	1.54	0.00218	<0.0000050	0.000527	<0.00050	<0.050	0.354	<0.000050	4.17	<0.000010	2.36	0.0634	<0.50
	705-10	Primary	VA25A5321-001	2025-03-05	<0.0010	1.55	0.00241	<0.0000050	0.000466	<0.00050	<0.050	0.372	<0.000050	3.86	<0.000010	2.52	0.0630	0.89
	705-10	Primary	VA25A7634-001	2025-04-03	<0.0010	1.62	0.00575	<0.0000050	0.000426	<0.00050	<0.050	0.464	<0.000050	4.49	<0.000010	2.62	0.0598	0.66
	705-10	Primary	VA25B0438-003	2025-05-05	<0.0010	0.952	0.0102	0.0000064	0.000284	<0.00050	<0.050	0.408	<0.000050	4.09	<0.000010	1.54	0.0432	<0.50
	705-10	Primary	VA25B1094-007	2025-05-12	<0.0010	0.970	0.00548	0.0000052	0.000252	<0.00050	<0.050	0.324	<0.000050	4.63	<0.000010	1.61	0.0446	0.61
	705-10	Primary	VA25B1721-004	2025-05-19	<0.0010	0.958	0.0135	0.0000098	0.000232	<0.00050	<0.050	0.335	<0.000050	4.40	<0.000010	1.44	0.0408	<0.50
	705-10	Primary	VA25B2427-004	2025-05-26	<0.0010	1.07	0.00535	0.0000063	0.000315	<0.00050	<0.050	0.294	<0.000050	3.96	<0.000010	1.64	0.0436	<0.50
	705-10	Primary	VA25B3822-004	2025-06-02	<0.0010	1.06	0.00725	<0.0000050	0.000343	<0.00050	<0.050	0.304	<0.000050	3.95	<0.000010	1.84	0.0459	<0.50
	705-10	Primary	VA25B5784-001	2025-06-25	<0.0010	1.32	0.00419	<0.0000050	0.000387	<0.00050	<0.050	0.301	<0.000050	4.77	<0.000010	2.06	0.0511	<0.50
	705-10	Primary	VA25B7427-007	2025-07-14	<0.0010	1.31	0.00425	<0.0000050	0.000450	<0.00050	<0.050	0.312	<0.000050	4.00	<0.000010	1.94	0.0557	<0.50
	705-10	Primary	VA25B9438-002	2025-08-04	<0.0010	1.74	0.00372	<0.0000050	0.000556	<0.00050	<0.050	0.388	<0.000050	3.99	<0.000010	2.26	0.0718	0.63
	705-10	Primary	VA25C3699-002	2025-09-09	<0.0010	2.13	0.00882	<0.0000050	0.000552	<0.00050	<0.050	0.463	<0.000050	3.89	<0.000010	2.72	0.0745	<0.50
	705-10	Primary	VA25C7355-001	2025-10-07	<0.0010	1.98	0.00156	<0.0000050	0.000513	<0.00050	<0.050	0.399	<0.000050	3.55	<0.000010	2.66	0.0740	<0.50
	705-10	Primary	VA25C7563-008	2025-10-14	<0.0010	1.99	0.00802	<0.0000050	0.000502	<0.00050	<0.050	0.384	<0.000050	3.82	<0.000010	2.59	0.0729	<0.50
	705-10	Primary	VA25C8047-007	2025-10-18	<0.0010	1.83	0.00139	<0.0000050	0.000499	<0.00050	<0.050	0.363	<0.000050	3.78	<0.000010	2.60	0.0707	<0.50
	705-10	Primary	VA25C8919-005	2025-10-26	<0.0010	1.58	0.00206	<0.0000050	0.000447	<0.00050	<0.050	0.416	<0.000050	3.87	<0.000010	2.31	0.0625	0.71
	705-10	Primary	VA25C9101-005	2025-10-29	<0.0010	1.56	0.00224	<0.0000050	0.000465	<0.00050	<0.050	0.398	<0.000050	3.62	<0.000010	2.36	0.0601	<0.50
	705-10	Primary	VA25C9690-001	2025-11-02	<0.0010	1.79	0.00183	<0.0000050	0.000461	<0.00050	<0.050	0.390	<0.000050	3.72	<0.000010	2.52	0.0604	0.59
	705-10	Primary	VA25D3069-001	2025-12-08	<0.0010	1.56	0.00220	<0.0000050	0.000489	<0.00050	<0.050	0.383	<0.000050	2.79	<0.000010	2.37	0.0601	0.68
	705-10	Duplicate	VA25A5321-002	2025-03-05	<0.0010	1.55	0.00249	<0.0000050	0.000488	<0.00050	<0.050	0.364	<0.000050	3.93	<0.000010	2.52	0.0638	0.88
	705-10	Duplicate	VA25B1721-005	2025-05-19	<0.0010	0.990	0.0148	0.0000075	0.000227	<0.00050	<0.050	0.339	<0.000050	4.39	<0.000010	1.49	0.0411	<0.50
	705-10	Duplicate	VA25C3699-003	2025-09-09	<0.0010	2.11	0.00524	<0.0000050	0.000558	<0.00050	<0.050	0.464	<0.000050	3.80	<0.000010	2.70	0.0728	<0.50
	705-10	Duplicate	VA25C7355-002	2025-10-07	<0.0010	1.96	0.00175	<0.0000050	0.000482	<0.00050	<0.050	0.395	<0.000050	3.48	<0.000010	2.62	0.0734	<0.50
	705-10	Duplicate	VA25C9690-002	2025-11-02	<0.0010	1.83	0.00181	<0.0000050	0.000451	<0.00050	<0.050	0.397	<0.000050	3.72	<0.000010	2.66	0.0618	0.69
Fawnie Creek	FC-01	Primary	VA25A0226-001	2025-01-05	<0.0010	1.07	0.00013	<0.0000050	0.000573	<0.00050	<0.050	0.312	<0.000050	5.32	<0.000010	2.35	0.0487	0.66
	FC-01	Primary	VA25A2544-001	2025-02-03	<0.0010	1.23	<0.00010	<0.0000050	0.000755	<0.00050	<0.050	0.357	<0.000050	5.46	<0.000010	2.18	0.0493	0.74
	FC-01	Primary	VA25A6295-001	2025-03-19	<0.0010	1.40	0.00014	<0.0000050	0.000840	<0.00050	<0.050	0.370	0.000058	5.61	<0.000010	2.51	0.0544	0.56
	FC-01	Primary	VA25A7634-002	2025-04-03	<0.0010	1.41	0.00031	<0.0000050	0.000790	<0.00050	<0.050	0.378	0.000073	5.55	<0.000010	2.58	0.0549	0.92
	FC-01	Primary	VA25B0438-007	2025-05-05	<0.0010	0.654	0.00142	<0.0000050	0.000291	<0.00050	<0.050	0.309	0.000051	4.30	<0.000010	1.27	0.0296	<0.50
	FC-01	Primary	VA25B1094-006	2025-05-12	<0.0010	0.613	0.00087	<0.0000050	0.000294	<0.00050	<0.050	0.265	<0.000050	4.30	<0.000010	1.24	0.0296	<0.50
	FC-01	Primary	VA25B1721-006	2025-05-19	<0.0010	0.511	0.00396	<0.0000050	0.000192	<0.00050	<0.050	0.281	<0.000050	3.92	<0.000010	0.978	0.0257	<0.50
	FC-01	Primary	VA25B2427-005	2025-05-26	<0.0010	0.502	0.00163	<0.0000050	0.000198	<0.00050	<0.050	0.226	<0.000050	3.89	<0.000010	1.02	0.0239	<0.50
	FC-01	Primary	VA25B3822-005	2025-06-02	<0.0010	0.479	0.00144	<0.0000050	0.000213	<0.00050	<0.050	0.252	<0.000050	3.96	<0.000010	1.09	0.0254	<0.50
	FC-01	Primary	VA25B5629-001	2025-06-23	<0.0010	0.619	0.00130	<0.0000050	0.000269	<0.00050	<0.050	0.275	<0.000050	4.65	<0.000010	1.35	0.0297	<0.50
	FC-01	Primary	VA25B7427-006	2025-07-14	<0.0010	0.694	0.00138	<0.0000050	0.000346	<0.00050	<0.050	0.299	<0.000050	4.71	<0.000010	1.40	0.0347	<0.50
	FC-01	Primary	VA25B9438-003	2025-08-04	<0.0010	0.935	0.00035	<0.0000050	0.000474	<0.00050	<0.050	0.354	<0.000050	5.54	<0.000010	1.81	0.0450	0.52
	FC-01	Primary	VA25C5489-001	2025-09-23	<0.0010	1.22	0.00022	<0.0000050	0.000687	<0.00050	<0.050	0.413	<0.000050	5.54	<0.000010	2.45	0.0538	0.68
	FC-01	Primary	VA25C7355-003	2025-10-07	<0.0010	1.13	0.00023	<0.0000050	0.000582	<0.00050	<0.050	0.344	<0.000050	5.25	<0.000010	2.06	0.0491	0.88
	FC-01	Primary	VA25C7563-007	2025-10-14	<0.0010	1.22	0.00020	<0.0000050	0.000675	<0.00050	<0.050	0.348	<0.000050	5.28	<0.000010	2.17	0.0505	0.82
	FC-01	Primary	VA25C8047-006	2025-10-18	<0.0010	1.14	0.00024	<0.0000050	0.000647	<0.00050	<0.050	0.338	<0.000050	5.34	<0.000010	2.17	0.0495	0.75
	FC-01	Primary	VA25C8919-006	2025-10-27	<0.0010	1.12	0.00014	<0.0000050	0.000588	<0.00050	<0.050	0.347	<0.000050	5.47	<0.000010	2.02	0.0462	0.75
	FC-01	Primary	VA25C9101-004	2025-10-29	<0.0010	1.08	0.00022	<0.0000050	0.000617	<0.00050	<0.050	0.328	<0.000050	5.06	<0.000010	1.99	0.0450	0.84
	FC-01	Primary	VA25C9690-003	2025-11-02	<0.0010	1.17	0.00016	<0.0000050	0.000618	<0.00050	<0.050	0.325	<0.000050	5.47	<0.000010	2.13	0.0467	0.68
	FC-01	Primary	VA25D3069-002	2025-12-08	<0.0010	1.22	0.00016	<0.0000050	0.000708	<0.00050	<0.050	0.346	0.000071	5.36	<0.000010	2.18	0.0494	0.55
	FC-01	Duplicate	VA25A6295-002	2025-03-19	<0.0010	1.37	<0.00010	<0.0000050	0.000856	<0.00050	<0.050	0.369	<0.000050	5.60	<0.000010	2.49	0.0542	<0.50

Notes:
'-' indicates parameter was not analyzed.
'<' indicates value was below the detection limit.

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Total Metals (<i>cont'd</i>)						Dissolved Metals							
					Thallium, Total	Tin, Total	Titanium, Total	Uranium, Total	Vanadium, Total	Zinc, Total	Aluminum, Dissolved	Antimony, Dissolved	Arsenic, Dissolved	Barium, Dissolved	Beryllium, Dissolved	Bismuth, Dissolved	Boron, Dissolved	Cadmium, Dissolved
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Davidson Creek	DC-05	Primary	VA25A0824-004	2025-01-12	<0.000010	<0.00010	0.00560	0.000233	0.00067	<0.0030	0.0442	<0.00010	0.00049	0.00740	<0.000020	<0.000050	<0.010	<0.0000050
	DC-05	Primary	VA25A2544-005	2025-02-03	<0.000010	<0.00010	0.00136	0.000301	<0.00050	<0.0030	0.0255	<0.00010	0.00044	0.00852	<0.000020	<0.000050	<0.010	<0.0000050
	DC-05	Primary	VA25A6706-002	2025-03-25	<0.000010	<0.00010	0.00920	0.000480	0.00100	<0.0030	0.0346	<0.00010	0.00057	0.00891	<0.000020	<0.000050	<0.010	<0.0000050
	DC-05	Primary	VA25A7611-001	2025-04-04	<0.000010	<0.00010	0.0131	0.000289	0.00114	<0.0030	0.0510	<0.00010	0.00051	0.00814	<0.000020	<0.000050	<0.010	<0.0000050
	DC-05	Primary	VA25B0343-008	2025-05-04	<0.000010	<0.00010	0.0109	0.000131	0.00078	<0.0030	0.172	<0.00010	0.00054	0.00640	<0.000020	<0.000050	<0.010	0.0000071
	DC-05	Primary	VA25B0962-003	2025-05-11	<0.000010	<0.00010	0.00864	0.000161	0.00094	<0.0030	0.143	<0.00010	0.00066	0.00606	<0.000020	<0.000050	<0.010	0.0000073
	DC-05	Primary	VA25B1482-007	2025-05-14	<0.000010	<0.00010	0.00496	0.000155	0.00061	<0.0030	0.143	<0.00010	0.00075	0.00672	<0.000020	<0.000050	<0.010	0.0000054
	DC-05	Primary	VA25B2274-005	2025-05-25	<0.000010	<0.00010	0.00786	0.000169	0.00075	<0.0030	0.139	<0.00010	0.00060	0.00546	0.000021	<0.000050	<0.010	0.0000061
	DC-05	Primary	VA25B2953-004	2025-06-01	<0.000010	<0.00010	0.00694	0.000216	0.00072	<0.0030	0.126	<0.00010	0.00086	0.00425	0.000020	<0.000050	<0.010	0.0000086
	DC-05	Primary	VA25B5984-001	2025-06-29	0.000015	<0.00010	0.0196	0.000219	0.00152	0.0109	0.226	<0.00010	0.00091	0.00550	<0.000020	<0.000050	<0.010	0.0000266
	DC-05	Primary	VA25B6851-002	2025-07-08	<0.000010	<0.00010	0.0134	0.000250	0.00117	0.0065	0.116	<0.00010	0.00078	0.00862	<0.000020	<0.000050	<0.010	0.0000142
	DC-05	Primary	VA25C0003-001	2025-08-10	<0.000010	<0.00010	0.0126	0.000323	0.00119	0.0051	0.118	<0.00010	0.00129	0.00773	<0.000020	<0.000050	<0.010	0.0000131
	DC-05	Primary	VA25C5489-003	2025-09-23	<0.000010	<0.00010	0.00303	0.000151	0.00057	<0.0030	0.0144	0.00010	0.00085	0.00911	<0.000020	<0.000050	<0.010	0.0000054
	DC-05	Primary	VA25C7355-004	2025-10-07	0.000012	<0.00010	0.0144	0.000223	0.00138	0.0082	0.0694	<0.00010	0.00096	0.00602	<0.000020	<0.000050	<0.010	0.0000181
	DC-05	Primary	VA25C7563-005	2025-10-14	<0.000010	<0.00010	0.00318	0.000181	0.00063	<0.0030	0.0247	<0.00010	0.00068	0.00602	<0.000020	<0.000050	<0.010	0.0000127
	DC-05	Primary	VA25C8047-004	2025-10-18	<0.000010	<0.00010	0.00293	0.000207	<0.00050	<0.0030	0.0278	<0.00010	0.00076	0.00768	<0.000020	<0.000050	<0.010	0.0000100
	DC-05	Primary	VA25C9101-010	2025-10-29	0.000011	<0.00010	0.0196	0.000329	0.00145	0.0074	0.0284	<0.00010	0.00070	0.00649	<0.000020	<0.000050	<0.010	0.0000055
	DC-05	Primary	VA25C9485-001	2025-10-31	0.000013	<0.00010	0.0219	0.000282	0.00170	0.0085	0.0931	<0.00010	0.00068	0.00773	<0.000020	<0.000050	<0.010	0.0000426
	DC-05	Primary	VA25D0189-001	2025-11-09	<0.000010	<0.00010	<0.00420	0.000250	0.00072	0.0038	0.0441	<0.00010	0.00063	0.00687	<0.000020	<0.000050	<0.010	0.0000079
	DC-05	Primary	VA25D1021-002	2025-11-16	<0.000010	<0.00010	0.00485	0.000173	0.00058	0.0043	0.0595	<0.00010	0.00055	0.00724	<0.000020	<0.000050	<0.010	<0.0000050
	DC-05	Primary	VA25D2832-001	2025-12-05	<0.000010	<0.00010	0.00403	0.000200	0.00050	0.0035	0.0346	<0.00010	0.00055	0.00760	<0.000020	<0.000050	<0.010	<0.0000050
	DC-05	Duplicate	VA25A0824-005	2025-01-12	<0.000010	<0.00010	0.00478	0.000228	0.00059	<0.0030	0.0414	<0.00010	0.00045	0.00732	<0.000020	<0.000050	<0.010	<0.0000050
	DC-05	Duplicate	VA25A7611-002	2025-04-04	<0.000010	<0.00010	0.0125	0.000283	0.00110	<0.0030	0.0508	<0.00010	0.00054	0.00816	<0.000020	<0.000050	<0.010	<0.0000050
	DC-05	Duplicate	VA25B6851-003	2025-07-08	<0.000010	<0.00010	0.0140	0.000258	0.00119	0.0068	0.110	<0.00010	0.00080	0.00842	<0.000020	<0.000050	<0.010	0.0000185
	DC-05	Duplicate	VA25C7563-006	2025-10-14	<0.000010	<0.00010	0.00397	0.000211	0.00079	<0.0030	0.0304	<0.00010	0.00076	0.00546	<0.000020	<0.000050	<0.010	0.0000102
	DC-05	Duplicate	VA25C9485-002	2025-10-31	0.000013	<0.00010	0.0212	0.000283	0.00171	0.0088	0.0763	<0.00010	0.00067	0.00769	<0.000020	<0.000050	<0.010	0.0000091
	DC-10	Primary	VA25A0824-006	2025-01-12	<0.000010	<0.00010	0.00302	0.000206	<0.00050	<0.0030	0.0423	<0.00010	0.00047	0.00775	<0.000020	<0.000050	<0.010	<0.0000050
	DC-10	Primary	VA25A2647-001	2025-02-04	<0.000010	<0.00010	0.00111	0.000277	<0.00050	<0.0030	0.0215	<0.00010	0.00046	0.00928	<0.000020	<0.000050	<0.010	<0.0000050
	DC-10	Primary	VA25A6706-004	2025-03-25	<0.000010	<0.00010	0.00755	0.000434	0.00086	<0.0030	0.0319	<0.00010	0.00049	0.00878	<0.000020	<0.000050	<0.010	<0.0000050
	DC-10	Primary	VA25A7611-003	2025-04-04	<0.000010	<0.00010	0.0130	0.000294	0.00106	<0.0030	0.0431	<0.00010	0.00048	0.00864	<0.000020	<0.000050	<0.010	<0.0000050
	DC-10	Primary	VA25B0343-009	2025-05-04	<0.000010	<0.00010	0.00940	0.000123	0.00077	<0.0030	0.156	<0.00010	0.00048	0.00613	<0.000020	<0.000050	<0.010	<0.0000050
	DC-10	Primary	VA25B5984-002	2025-06-29	0.000013	<0.00010	0.0178	0.000200	0.00135	0.0087	0.214	<0.00010	0.00095	0.00613	<0.000020	<0.000050	<0.010	0.0000242
	DC-10	Primary	VA25B6851-004	2025-07-08	<0.000010	<0.00010	0.00758	0.000212	0.00077	0.0034	0.0645	<0.00010	0.00072	0.00866	<0.000020	<0.000050	<0.010	0.0000105
	DC-10	Primary	VA25C0017-004	2025-08-10	<0.000010	<0.00010	0.00378	0.000218	0.00									

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Total Metals (<i>cont'd</i>)						Dissolved Metals							
					Thallium, Total	Tin, Total	Titanium, Total	Uranium, Total	Vanadium, Total	Zinc, Total	Aluminum, Dissolved	Antimony, Dissolved	Arsenic, Dissolved	Barium, Dissolved	Beryllium, Dissolved	Bismuth, Dissolved	Boron, Dissolved	Cadmium, Dissolved
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Davidson Creek (<i>cont'd</i>)	DC-20	Primary	VA25A2647-003	2025-02-04	<0.000010	<0.00010	0.00086	0.000268	<0.00050	<0.0030	0.0150	<0.00010	0.00040	0.00996	<0.000020	<0.000050	<0.010	0.0000055
	DC-20	Primary	VA25A4955-001	2025-03-04	<0.000010	<0.00010	0.00469	0.000301	0.00076	<0.0030	0.0311	<0.00010	0.00041	0.0100	<0.000020	<0.000050	<0.010	0.0000057
	DC-20	Primary	VA25A7310-003	2025-04-01	<0.000010	<0.00010	0.00812	0.000292	0.00092	0.0040	0.0279	<0.00010	0.00043	0.00880	<0.000020	<0.000050	<0.010	<0.0000050
	DC-20	Primary	VA25B0343-010	2025-05-04	<0.000010	<0.00010	0.00754	0.000119	0.00088	<0.0030	0.124	<0.00010	0.00048	0.00636	<0.000020	<0.000050	<0.010	<0.0000050
	DC-20	Primary	VA25B0962-001	2025-05-11	<0.000010	<0.00010	0.00566	0.000127	0.00088	<0.0030	0.0872	<0.00010	0.00055	0.00624	<0.000020	<0.000050	<0.010	<0.0000050
	DC-20	Primary	VA25B1482-008	2025-05-14	<0.000010	<0.00010	0.00473	0.000122	0.00066	<0.0030	0.0946	<0.00010	0.00055	0.00683	<0.000020	<0.000050	<0.010	<0.0000050
	DC-20	Primary	VA25B2274-006	2025-05-25	<0.000010	<0.00010	0.00425	0.000133	0.00073	<0.0030	0.0910	<0.00010	0.00050	0.00629	<0.000020	<0.000050	<0.010	<0.0000050
	DC-20	Primary	VA25B2953-005	2025-06-01	<0.000010	<0.00010	0.00931	0.000168	0.00096	<0.0030	0.0837	<0.00010	0.00066	0.00641	<0.000020	<0.000050	<0.010	<0.0000050
	DC-20	Primary	VA25B5722-003	2025-06-23	<0.000010	<0.00010	0.0123	0.000158	0.00126	0.0036	0.413	<0.00010	0.00143	0.0112	<0.000020	<0.000050	<0.010	0.0000110
	DC-20	Primary	VA25B6834-003	2025-07-07	<0.000010	<0.00010	0.00292	0.000118	0.00078	<0.0030	0.0326	<0.00010	0.00077	0.00754	<0.000020	<0.000050	<0.010	<0.0000050
	DC-20	Primary	VA25C0017-001	2025-08-10	<0.000010	<0.00010	0.00180	0.000153	0.00084	<0.0030	0.0151	<0.00010	0.00111	0.0105	<0.000020	<0.000050	<0.010	<0.0000050
	DC-20	Primary	VA25C4967-002	2025-09-17	<0.000010	<0.00010	0.00056	0.000132	0.00071	<0.0030	0.0104	<0.00010	0.00088	0.0113	<0.000020	<0.000050	<0.010	<0.0000050
	DC-20	Primary	VA25C6908-003	2025-10-08	<0.000010	<0.00010	0.00162	0.000121	0.00066	<0.0030	0.0143	<0.00010	0.00076	0.00921	<0.000020	<0.000050	<0.010	<0.0000050
	DC-20	Primary	VA25C7563-003	2025-10-14	<0.000010	<0.00010	0.00181	0.000138	0.00058	<0.0030	0.0099	<0.00010	0.00061	0.00834	<0.000020	<0.000050	<0.010	<0.0000050
	DC-20	Primary	VA25C8358-002	2025-10-20	<0.000010	<0.00010	0.00058	0.000129	0.00053	<0.0030	0.0079	<0.00010	0.00058	0.00902	<0.000020	<0.000050	<0.010	<0.0000050
	DC-20	Primary	VA25C9101-002	2025-10-29	<0.000010	<0.00010	0.00399	0.000133	0.00061	<0.0030	0.0266	<0.00010	0.00060	0.00884	<0.000020	<0.000050	<0.010	<0.0000050
	DC-20	Primary	VA25C9485-003	2025-10-31	<0.000010	<0.00010	0.00287	0.000127	0.00061	<0.0030	0.0202	<0.00010	0.00051	0.00827	<0.000020	<0.000050	<0.010	<0.0000050
	DC-20	Primary	VA25D1976-004	2025-11-26	<0.000010	<0.00010	0.00121	0.000149	0.00051	<0.0030	0.0105	<0.00010	0.00055	0.00945	<0.000020	<0.000050	<0.010	<0.0000050
	DC-20	Primary	VA25D3068-004	2025-12-08	<0.000010	<0.00010	0.00053	0.000158	<0.00050	<0.0030	0.0081	<0.00010	0.00047	0.00921	<0.000020	<0.000050	<0.010	<0.0000050
	DC-20	Duplicate	VA25B2953-006	2025-06-01	<0.000010	<0.00010	0.00944	0.000163	0.00097	<0.0030	0.105	<0.00010	0.00070	0.00670	<0.000020	<0.000050	<0.010	<0.0000050
DC-20	Duplicate	VA25C0017-002	2025-08-10	<0.000010	<0.00010	0.0103	0.000196	0.00146	<0.0030	0.0197	<0.00010	0.00110	0.0105	<0.000020	<0.000050	<0.010	<0.0000050	
Creek 661	661-01	Primary	VA25A1481-001	2025-01-20	<0.000010	<0.00010	0.00062	0.000031	<0.00050	<0.0030	0.0499	<0.00010	0.00064	0.00239	<0.000020	<0.000050	<0.010	<0.0000050
	661-01	Primary	VA25A8806-004	2025-04-15	<0.000010	<0.00010	0.00088	0.000040	<0.00050	<0.0030	0.0857	<0.00010	0.00116	0.00323	<0.000020	<0.000050	<0.010	0.0000082
	661-01	Primary	VA25B0343-004	2025-05-04	<0.000010	<0.00010	0.00348	0.000096	<0.00050	<0.0030	0.260	<0.00010	0.00066	0.00320	0.000025	<0.000050	<0.010	0.0000077
	661-01	Primary	VA25B0962-005	2025-05-11	<0.000010	<0.00010	0.00176	0.000085	<0.00050	<0.0030	0.209	<0.00010	0.00047	0.00265	0.000023	<0.000050	<0.010	<0.0000050
	661-01	Primary	VA25B1482-002	2025-05-14	<0.000010	<0.00010	0.00121	0.000075	<0.00050	<0.0030	0.199	<0.00010	0.00050	0.00281	0.000024	<0.000050	<0.010	<0.0000050
	661-01	Primary	VA25B2274-001	2025-05-25	<0.000010	<0.00010	0.00093	0.000081	<0.00050	<0.0030	0.198	<0.00010	0.00050	0.00244	0.000028	<0.000050	<0.010	<0.0000050
	661-01	Primary	VA25B2953-001	2025-06-01	<0.000010	<0.00010	0.00085	0.000078	<0.00050	<0.0030	0.173	<0.00010	0.00056	0.00250	0.000030	<0.000050	<0.010	<0.0000050
	661-01	Primary	VA25B5722-006	2025-06-23	<0.000010	<0.00010	0.00045	0.000052	<0.00050	<0.0030	0.0690	<0.00010	0.00053	0.00221	<0.000020	<0.000050	<0.010	<0.0000050
	661-01	Primary	VA25B7427-010	2025-07-14	<0.000010	<0.00010	0.00038	0.000037	<0.00050	<0.0030	0.0474	<0.00010	0.00048	0.00245	<0.000020	<0.000050	<0.010	<0.0000050
	661-01	Primary	VA25C0216-002	2025-08-11	<0.000010	<0.00010	0.00042	0.000033	<0.00050	<0.0030	0.0359	<0.00010	0.00040	0.00270	<0.000020	<0.000050	<0.010	<0.0000050
	661-01	Primary	VA25C5489-005	2025-09-24	<0.000010	<0.00010	0.00198	0.000048	<0.00050	<0.0030	0.0386	<0.00010	0.00036	0.00265	<0.000020	<0.000050	<0.010	<0.0000050
	661-01	Primary	VA25C5617-001	2025-09-22	<0.000010	<0.00010	0.00052	0.000029	<0.00050	<0.0030	0.0371	<0.00010	0.00037	0.00279	<0.000020	<0.		

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Total Metals (<i>cont'd</i>)						Dissolved Metals							
					Thallium, Total	Tin, Total	Titanium, Total	Uranium, Total	Vanadium, Total	Zinc, Total	Aluminum, Dissolved	Antimony, Dissolved	Arsenic, Dissolved	Barium, Dissolved	Beryllium, Dissolved	Bismuth, Dissolved	Boron, Dissolved	Cadmium, Dissolved
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Creek 661 (<i>cont'd</i>)	661-04	Primary	VA25A4183-004	2025-02-24	<0.000010	<0.00010	0.00184	0.000095	0.00069	0.0109	0.0138	<0.00010	0.00151	0.00433	<0.000020	<0.000050	<0.010	0.0000130
	661-04	Primary	VA25A5225-001	2025-03-07	0.000013	<0.00010	0.0292	0.000121	0.00233	0.0139	0.0679	0.00012	0.00131	0.00560	<0.000020	<0.000050	<0.010	0.0000110
	661-04	Primary	VA25A8451-001	2025-04-14	<0.000010	<0.00010	0.0143	0.000086	0.00138	0.0147	0.164	0.00011	0.00124	0.00568	<0.000020	<0.000050	<0.010	0.0000466
	661-04	Primary	VA25B0438-001	2025-05-05	<0.000010	<0.00010	0.00476	0.000096	0.00083	0.0147	0.183	<0.00010	0.00083	0.00346	0.000023	<0.000050	<0.010	0.0000258
	661-04	Primary	VA25B5932-001	2025-06-27	<0.000010	<0.00010	0.0123	0.000096	0.00145	0.0122	0.0933	<0.00010	0.00117	0.00424	<0.000020	<0.000050	<0.010	0.0000212
	661-04	Primary	VA25B7427-009	2025-07-14	<0.000010	<0.00010	0.0180	0.000100	0.00182	0.0132	0.110	<0.00010	0.00132	0.00491	<0.000020	<0.000050	<0.010	0.0000208
	661-04	Primary	VA25C0216-003	2025-08-11	<0.000010	<0.00010	0.00497	0.000118	0.00086	0.0106	0.0269	<0.00010	0.00140	0.00509	<0.000020	<0.000050	<0.010	0.0000187
	661-04	Primary	VA25C4967-005	2025-09-17	<0.000010	<0.00010	0.00421	0.000116	0.00085	0.0066	0.0287	<0.00010	0.00140	0.00554	<0.000020	<0.000050	<0.010	0.0000123
	661-04	Primary	VA25C7416-002	2025-10-13	<0.000010	<0.00010	0.00281	0.000082	0.00051	0.0068	0.0327	<0.00010	0.00101	0.00439	<0.000020	<0.000050	<0.010	0.0000118
	661-04	Primary	VA25D1159-004	2025-11-18	<0.000010	<0.00010	0.00348	0.000078	0.00070	0.0079	0.0266	<0.00010	0.00097	0.00454	<0.000020	<0.000050	<0.010	0.0000123
	661-04	Primary	VA25D3210-001	2025-12-09	<0.000010	<0.00010	0.00329	0.000091	0.00135	0.0092	0.0239	0.00013	0.00114	0.00458	<0.000020	<0.000050	<0.010	0.0000120
	661-04	Duplicate	VA25A1481-003	2025-01-20	<0.000010	<0.00010	0.00149	0.000071	0.00060	0.0109	0.0179	<0.00010	0.00122	0.00424	<0.000020	<0.000050	<0.010	0.0000095
	661-04	Duplicate	VA25A8451-002	2025-04-14	<0.000010	<0.00010	0.0136	0.000079	0.00136	0.0144	0.164	0.00011	0.00107	0.00574	<0.000020	<0.000050	<0.010	0.0000206
	661-04	Duplicate	VA25B5932-002	2025-06-27	<0.000010	<0.00010	0.0131	0.000104	0.00156	0.0134	0.117	<0.00010	0.00113	0.00441	<0.000020	<0.000050	<0.010	0.0000200
	661-04	Duplicate	VA25C4967-006	2025-09-17	<0.000010	<0.00010	0.00435	0.000116	0.00088	0.0068	0.0318	<0.00010	0.00145	0.00539	<0.000020	<0.000050	<0.010	0.0000163
	661-05	Primary	VA25A0964-002	2025-01-13	<0.000010	<0.00010	0.00228	0.000185	0.00171	<0.0030	0.0238	<0.00010	0.00117	0.00454	<0.000020	<0.000050	<0.010	<0.0000050
	661-05	Primary	VA25A4211-002	2025-02-18	<0.000010	<0.00010	0.00405	0.000309	0.00251	<0.0030	0.0139	<0.00010	0.00120	0.00486	<0.000020	<0.000050	<0.010	<0.0000050
	661-05	Primary	VA25A5225-002	2025-03-07	<0.000010	<0.00010	0.0193	0.000260	0.00316	<0.0030	0.0568	<0.00010	0.00121	0.00509	<0.000020	<0.000050	<0.010	<0.0000050
	661-05	Primary	VA25A8806-001	2025-04-15	0.000014	<0.00010	0.0306	0.000280	0.00345	0.0063	0.0388	<0.00010	0.00079	0.00442	<0.000020	<0.000050	<0.010	<0.0000050
	661-05	Primary	VA25B0343-006	2025-05-04	<0.000010	<0.00010	0.0128	0.000166	0.00200	<0.0030	0.180	<0.00010	0.00070	0.00512	0.000022	<0.000050	<0.010	<0.0000050
	661-05	Primary	VA25B5932-003	2025-06-27	<0.000010	<0.00010	0.0106	0.000176	0.00238	<0.0030	0.0718	<0.00010	0.00097	0.00500	<0.000020	<0.000050	<0.010	<0.0000050
	661-05	Primary	VA25B6851-001	2025-07-08	<0.000010	<0.00010	0.00454	0.000215	0.00197	0.0032	0.0276	<0.00010	0.00104	0.00511	<0.000020	<0.000050	<0.010	<0.0000050
	661-05	Primary	VA25C0216-001	2025-08-11	<0.000010	<0.00010	0.00086	0.000210	0.00179	<0.0030	0.0133	<0.00010	0.00144	0.00519	<0.000020	<0.000050	<0.010	<0.0000050
	661-05	Primary	VA25C3886-001	2025-09-10	<0.000010	<0.00010	0.00071	0.000232	0.00183	<0.0030	0.0110	<0.00010	0.00141	0.00551	<0.000020	<0.000050	<0.010	<0.0000050
	661-05	Primary	VA25C8345-001	2025-10-21	<0.000010	<0.00010	0.00122	0.000195	0.00200	<0.0030	0.0131	<0.00010	0.00121	0.00459	<0.000020	<0.000050	<0.010	<0.0000050
	661-05	Primary	VA25D0570-003	2025-11-12	<0.000010	<0.00010	0.00235	0.000176	0.00186	<0.0030	0.0300	<0.00010	0.00116	0.00460	<0.000020	<0.000050	<0.010	<0.0000050
	661-05	Primary	VA25D3210-002	2025-12-09	<0.000010	<0.00010	0.00141	0.000202	0.00253	<0.0030	0.0119	<0.00010	0.00122	0.00455	<0.000020	<0.000050	<0.010	<0.0000050
	661-05	Duplicate	VA25A0964-003	2025-01-13	<0.000010	<0.00010	0.00229	0.000186	0.00174	<0.0030	0.0236	<0.00010	0.00112	0.00444	<0.000020	<0.000050	<0.010	<0.0000050
	661-10	Primary	VA25A0356-002	2025-01-06	<0.000010	<0.00010	0.00134	0.000064	0.00066	0.0033	0.0354	<0.00010	0.00065	0.00509	<0.000020	<0.000050	<0.010	0.0000133
	661-10	Primary	VA25A4211-001	2025-02-18	<0.000010	<0.00010	0.00436	0.000119	0.00121	0.0123	0.0530	0.00011	0.00090	0.00632	<0.000020	<0.000050	<0.010	0.0000302
	661-10	Primary	VA25A5381-001	2025-03-10	<0.000010	<0.00010	0.0131	0.000115	0.00145	0.0062	0.0470	<0.00010	0.00064	0.00506	<0.000020	<0.000050	<0.010	0.0000111
	661-10	Primary	VA25A8806-003	2025-04-15	<0.000010	<0.00010	0.0189	0.000118	0.00176	0.0066	0.203	<0.00010	0.00078	0.00571	<0.000020	<0.000050	<0.010	0.0000160
	661-10	Primary	VA25B0343-007	2025-05-04	<0.000010	<0.00010	0.0105	0.000138	0.00110	0.0035	0.248	<0.00010	0.00065	0.00369	0.000027	<0.000050	<0.010	0.0000118
	661-10	Primary	VA25B0962-007	2025-05-11	<													

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Total Metals (<i>cont'd</i>)						Dissolved Metals							
					Thallium, Total	Tin, Total	Titanium, Total	Uranium, Total	Vanadium, Total	Zinc, Total	Aluminum, Dissolved	Antimony, Dissolved	Arsenic, Dissolved	Barium, Dissolved	Beryllium, Dissolved	Bismuth, Dissolved	Boron, Dissolved	Cadmium, Dissolved
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Creek 661 (<i>cont'd</i>)	661-20	Primary	VA25D0189-004	2025-11-10	<0.000010	<0.00010	0.00053	0.000281	0.00063	<0.0030	0.0077	<0.00010	0.00085	0.00658	<0.000020	<0.000050	<0.010	<0.0000050
	661-20	Duplicate	VA25D0189-005	2025-11-10	<0.000010	<0.00010	0.00639	0.000321	0.00112	<0.0030	0.0083	<0.00010	0.00084	0.00677	<0.000020	<0.000050	<0.010	<0.0000050
Turtle Creek	TC-01	Primary	VA25A1845-005	2025-01-26	<0.000010	<0.00010	<0.00030	0.000150	0.00071	<0.0030	<0.0010	<0.00010	0.00070	0.00923	<0.000020	<0.000050	<0.010	<0.0000050
	TC-01	Primary	VA25A5560-004	2025-03-11	<0.000010	<0.00010	<0.00030	0.000172	0.00064	<0.0030	<0.0010	<0.00010	0.00069	0.00917	<0.000020	<0.000050	<0.010	<0.0000050
	TC-01	Primary	VA25A8058-006	2025-04-09	<0.000010	<0.00010	<0.00030	0.000167	0.00092	<0.0030	<0.0010	<0.00010	0.00067	0.00904	<0.000020	<0.000050	<0.010	<0.0000050
	TC-01	Primary	VA25B1312-001	2025-05-13	<0.000010	<0.00010	<0.00030	0.000149	0.00056	<0.0030	<0.0010	<0.00010	0.00074	0.00838	<0.000020	<0.000050	<0.010	<0.0000050
	TC-01	Primary	VA25B5722-005	2025-06-23	<0.000010	<0.00010	0.00045	0.000156	0.00089	<0.0030	0.0033	<0.00010	0.00113	0.00985	<0.000020	<0.000050	<0.010	<0.0000050
	TC-01	Primary	VA25B6834-005	2025-07-07	<0.000010	<0.00010	0.00138	0.000181	0.00138	<0.0030	0.0023	<0.00010	0.00112	0.0105	<0.000020	<0.000050	<0.010	<0.0000050
	TC-01	Primary	VA25B9366-001	2025-08-04	<0.000010	<0.00010	<0.00030	0.000116	0.00068	<0.0030	0.0020	<0.00010	0.00112	0.0114	<0.000020	<0.000050	<0.010	<0.0000050
	TC-01	Primary	VA25C4967-003	2025-09-17	<0.000010	<0.00010	<0.00030	0.000099	0.00056	<0.0030	0.0019	<0.00010	0.00095	0.0109	<0.000020	<0.000050	<0.010	<0.0000050
	TC-01	Primary	VA25C8358-006	2025-10-20	<0.000010	<0.00010	<0.00030	0.000103	0.00059	<0.0030	0.0012	<0.00010	0.00069	0.00919	<0.000020	<0.000050	<0.010	<0.0000050
	TC-01	Primary	VA25D1976-007	2025-11-26	<0.000010	<0.00010	0.00188	0.000180	0.00099	<0.0030	<0.0010	<0.00010	0.00063	0.00784	<0.000020	<0.000050	<0.010	<0.0000050
	TC-01	Primary	VA25D3939-001	2025-12-17	<0.000010	<0.00010	0.00064	0.000129	0.00060	<0.0030	<0.0010	<0.00010	0.00058	0.00921	<0.000020	<0.000050	<0.010	<0.0000050
	TC-05	Primary	VA25A1845-004	2025-01-26	<0.000010	<0.00010	0.00032	0.000294	<0.00050	<0.0030	0.0080	<0.00010	0.00044	0.0111	<0.000020	<0.000050	<0.010	<0.0000050
	TC-05	Primary	VA25A4183-001	2025-02-24	<0.000010	<0.00010	0.00038	0.000424	<0.00050	<0.0030	0.0050	<0.00010	0.00044	0.0126	<0.000020	<0.000050	<0.010	<0.0000050
	TC-05	Primary	VA25A5268-003	2025-03-09	<0.000010	<0.00010	0.00057	0.000412	<0.00050	<0.0030	0.0063	<0.00010	0.00042	0.0118	<0.000020	<0.000050	<0.010	<0.0000050
	TC-05	Primary	VA25A8058-005	2025-04-09	<0.000010	<0.00010	0.00053	0.000258	0.00079	<0.0030	0.0080	<0.00010	0.00033	0.0103	<0.000020	<0.000050	<0.010	<0.0000050
	TC-05	Primary	VA25B1312-002	2025-05-13	<0.000010	<0.00010	0.00181	0.000114	0.00057	<0.0030	0.109	<0.00010	0.00028	0.00616	0.000025	<0.000050	<0.010	<0.0000050
	TC-05	Primary	VA25B5722-004	2025-06-23	<0.000010	<0.00010	0.00097	0.000168	0.00068	<0.0030	0.0170	<0.00010	0.00053	0.0107	<0.000020	<0.000050	<0.010	<0.0000050
	TC-05	Primary	VA25B6834-004	2025-07-07	<0.000010	<0.00010	0.00146	0.000191	0.00074	<0.0030	0.0146	<0.00010	0.00061	0.0108	<0.000020	<0.000050	<0.010	<0.0000050
	TC-05	Primary	VA25B9366-002	2025-08-04	<0.000010	<0.00010	0.00177	0.000205	0.00071	<0.0030	0.0122	<0.00010	0.00072	0.0138	<0.000020	<0.000050	<0.010	<0.0000050
	TC-05	Primary	VA25C4967-004	2025-09-17	<0.000010	<0.00010	0.00062	0.000288	0.00059	<0.0030	0.0094	<0.00010	0.00061	0.0137	<0.000020	<0.000050	<0.010	<0.0000050
	TC-05	Primary	VA25C8346-001	2025-10-22	<0.000010	<0.00010	0.00240	0.000250	0.00057	<0.0030	0.0073	<0.00010	0.00039	0.0109	<0.000020	<0.000050	<0.010	<0.0000050
	TC-05	Primary	VA25D1976-006	2025-11-26	<0.000010	<0.00010	0.00030	0.000297	<0.00050	<0.0030	0.0051	<0.00010	0.00041	0.0115	<0.000020	<0.000050	<0.010	<0.0000050
	TC-05	Primary	VA25D3939-002	2025-12-17	<0.000010	<0.00010	0.00060	0.000208	<0.00050	0.0039	0.0098	<0.00010	0.00035	0.0107	<0.000020	<0.000050	<0.010	<0.0000050
	TC-05	Duplicate	VA25B1312-003	2025-05-13	<0.000010	<0.00010	0.00213	0.000115	0.00059	<0.0030	0.113	<0.00010	0.00028	0.00620	0.000030	<0.000050	<0.010	<0.0000050
	TC-10	Primary	VA25A2544-002	2025-02-03	<0.000010	<0.00010	0.00052	0.000270	<0.00050	<0.0030	0.0044	<0.00010	0.00030	0.0124	<0.000020	<0.000050	<0.010	<0.0000050
	TC-10	Primary	VA25B1312-004	2025-05-13	<0.000010	<0.00010	0.00073	0.000074	<0.00050	<0.0030	0.0345	<0.00010	0.00035	0.00661	<0.000020	<0.000050	<0.010	<0.0000050
	TC-10	Primary	VA25B6834-006	2025-07-07	<0.000010	<0.00010	0.00057	0.000151	<0.00050	<0.0030	0.0068	<0.00010	0.00058	0.0120	<0.000020	<0.000050	<0.010	<0.0000050
	TC-10	Primary	VA25C3699-001	2025-09-09	<0.000010	<0.00010	0.00042	0.000225	<0.00050	<0.0030	0.0064	<0.00010	0.00080	0.0159	<0.000020	<0.000050	<0.010	<0.0000050
	TC-10	Primary	VA25C9690-004	2025-11-03	<0.000010	<0.00010	0.00035	0.000175	<0.00050	<0.0030	0.0031	<0.00010	0.00031	0.0109	<0.000020	<0.000050	<0.010	<0.0000050
	TC-15	Primary	VA25B1312-005	2025-05-13	<0.000010	<0.00010	0.00050	0.000030	<0.00050	<0.0030	0.0098	<0.00010	0.00025	0.00674	<0.000020	<0.000050	<0.010	<0.0000050
Chedakuz Creek	CC-03	Primary	VA25A0356-004	2025-01-06	<0.000010	<0.00010	0.00072	0.000242	<0.00050	<0.0030	0.0018	<0.00010	0.00061	0.				

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Total Metals (<i>cont'd</i>)						Dissolved Metals							
					Thallium, Total	Tin, Total	Titanium, Total	Uranium, Total	Vanadium, Total	Zinc, Total	Aluminum, Dissolved	Antimony, Dissolved	Arsenic, Dissolved	Barium, Dissolved	Beryllium, Dissolved	Bismuth, Dissolved	Boron, Dissolved	Cadmium, Dissolved
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Chedakuz Creek (<i>cont'd</i>)	CC-03	Duplicate	VA25B0962-008	2025-05-11	<0.000010	<0.00010	0.00308	0.000053	0.00056	<0.0030	0.0261	<0.00010	0.00040	0.00521	<0.000020	<0.000050	<0.010	<0.0000050
	CC-03	Duplicate	VA25B5529-002	2025-06-24	<0.000010	<0.00010	0.00105	0.000106	0.00063	<0.0030	0.0072	<0.00010	0.00081	0.00698	<0.000020	<0.000050	<0.010	<0.0000050
	CC-03	Duplicate	VA25C8919-004	2025-10-26	<0.000010	<0.00010	<0.00030	0.000196	<0.00050	<0.0030	0.0034	<0.00010	0.00053	0.00603	<0.000020	<0.000050	<0.010	<0.0000050
	CC-03	Duplicate	VA25D4214-003	2025-12-26	<0.000010	<0.00010	0.00091	0.000256	<0.00050	<0.0030	0.0016	<0.00010	0.00058	0.00757	<0.000020	<0.000050	<0.010	<0.0000050
	CC-05	Primary	VA25A4598-003	2025-02-28	<0.000010	<0.00010	0.00054	0.000291	<0.00050	<0.0030	0.0035	<0.00010	0.00067	0.00840	<0.000020	<0.000050	<0.010	<0.0000050
	CC-05	Primary	VA25B0343-002	2025-05-04	<0.000010	<0.00010	0.00978	0.000131	0.00123	<0.0030	0.118	<0.00010	0.00055	0.00455	<0.000020	<0.000050	<0.010	<0.0000050
	CC-05	Primary	VA25B7427-004	2025-07-14	<0.000010	<0.00010	0.00065	0.000186	0.00066	<0.0030	0.0072	<0.00010	0.00075	0.00698	<0.000020	<0.000050	<0.010	<0.0000050
	CC-05	Primary	VA25D0189-007	2025-11-10	<0.000010	<0.00010	<0.00210	0.000248	0.00058	<0.0030	0.0050	<0.00010	0.00063	0.00665	<0.000020	<0.000050	<0.010	<0.0000050
	CC-05	Duplicate	VA25A4598-004	2025-02-28	<0.000010	<0.00010	0.00051	0.000286	<0.00050	<0.0030	0.0031	<0.00010	0.00066	0.00862	<0.000020	<0.000050	<0.010	<0.0000050
	CC-05	Duplicate	VA25B0343-003	2025-05-04	<0.000010	<0.00010	0.0101	0.000128	0.00123	<0.0030	0.116	<0.00010	0.00052	0.00446	<0.000020	<0.000050	<0.010	<0.0000050
	CC-10	Primary	VA25A3507-005	2025-02-17	<0.000010	<0.00010	<0.00030	0.000110	<0.00050	<0.0030	<0.0010	<0.00010	0.00062	0.00665	<0.000020	<0.000050	<0.010	<0.0000050
	CC-10	Primary	VA25B1482-006	2025-05-14	<0.000010	<0.00010	<0.00030	0.000105	<0.00050	<0.0030	<0.0010	<0.00010	0.00060	0.00636	<0.000020	<0.000050	<0.010	<0.0000050
	CC-10	Primary	VA25B9374-003	2025-08-03	<0.000010	<0.00010	<0.00030	0.000107	<0.00050	<0.0030	0.0016	<0.00010	0.00055	0.00621	<0.000020	<0.000050	<0.010	<0.0000050
	CC-10	Primary	VA25D1976-005	2025-11-26	<0.000010	<0.00010	<0.00030	0.000103	<0.00050	<0.0030	<0.0010	<0.00010	0.00060	0.00545	<0.000020	<0.000050	<0.010	<0.0000050
	CC-15	Primary	VA25A0964-004	2025-01-13	<0.000010	<0.00010	0.00085	0.000118	<0.00050	<0.0030	0.0042	<0.00010	0.00053	0.00791	<0.000020	<0.000050	<0.010	<0.0000050
	CC-15	Primary	VA25A3507-003	2025-02-17	<0.000010	<0.00010	<0.00030	0.000128	<0.00050	<0.0030	0.0018	<0.00010	0.00056	0.00812	<0.000020	<0.000050	<0.010	<0.0000050
	CC-15	Primary	VA25A5268-001	2025-03-09	<0.000010	<0.00010	0.00273	0.000158	0.00060	<0.0030	0.0035	<0.00010	0.00058	0.00808	<0.000020	<0.000050	<0.010	<0.0000050
	CC-15	Primary	VA25A7310-001	2025-04-01	<0.000010	<0.00010	0.00338	0.000167	0.00067	<0.0030	0.0082	<0.00010	0.00061	0.00757	<0.000020	<0.000050	<0.010	<0.0000050
	CC-15	Primary	VA25B0438-004	2025-05-05	<0.000010	<0.00010	0.0138	0.000150	0.00112	<0.0030	0.0216	<0.00010	0.00055	0.00782	<0.000020	<0.000050	<0.010	<0.0000050
	CC-15	Primary	VA25B1094-002	2025-05-12	<0.000010	<0.00010	0.00402	0.000110	0.00059	<0.0030	0.0209	<0.00010	0.00052	0.00714	<0.000020	<0.000050	<0.010	<0.0000050
	CC-15	Primary	VA25B1721-003	2025-05-19	<0.000010	<0.00010	0.0123	0.000132	0.00115	<0.0030	0.0442	<0.00010	0.00060	0.00829	<0.000020	<0.000050	<0.010	<0.0000050
	CC-15	Primary	VA25B2427-001	2025-05-26	<0.000010	<0.00010	<0.00330	0.000114	0.00059	<0.0030	0.0151	<0.00010	0.00051	0.00684	<0.000020	<0.000050	<0.010	<0.0000050
	CC-15	Primary	VA25B3822-001	2025-06-02	<0.000010	<0.00010	0.00308	0.000114	0.00053	<0.0030	0.0173	<0.00010	0.00061	0.00688	<0.000020	<0.000050	<0.010	<0.0000050
	CC-15	Primary	VA25B5722-002	2025-06-23	<0.000010	<0.00010	0.00836	0.000125	0.00086	<0.0030	0.0164	<0.00010	0.00068	0.00763	<0.000020	<0.000050	<0.010	<0.0000050
	CC-15	Primary	VA25B6834-002	2025-07-07	<0.000010	<0.00010	0.00066	0.000106	<0.00050	<0.0030	0.0079	<0.00010	0.00061	0.00687	<0.000020	<0.000050	<0.010	<0.0000050
	CC-15	Primary	VA25B9366-003	2025-08-04	<0.000010	<0.00010	0.00111	0.000127	0.00070	<0.0030	0.0082	<0.00010	0.00096	0.00756	<0.000020	<0.000050	<0.010	<0.0000050
	CC-15	Primary	VA25C4967-007	2025-09-17	<0.000010	<0.00010	0.00153	0.000127	0.00059	<0.0030	0.0046	<0.00010	0.00065	0.00969	<0.000020	<0.000050	<0.010	<0.0000050
	CC-15	Primary	VA25C6908-002	2025-10-08	<0.000010	<0.00010	0.00071	0.000115	<0.00050	<0.0030	0.0040	<0.00010	0.00059	0.00813	<0.000020	<0.000050	<0.010	<0.0000050
	CC-15	Primary	VA25C7563-002	2025-10-14	<0.000010	<0.00010	0.00240	0.000131	0.00057	<0.0030	0.0043	<0.00010	0.00057	0.00744	<0.000020	<0.000050	<0.010	<0.0000050
	CC-15	Primary	VA25C8358-003	2025-10-20	<0.000010	<0.00010	0.00106	0.000106	<0.00050	<0.0030	0.0027	<0.00010	0.00052	0.00833	<0.000020	<0.000050	<0.010	<0.0000050
	CC-15	Primary	VA25C8919-009	2025-10-27	<0.000010	<0.00010	0.00302	0.000119	<0.00050	<0.0030	0.0120	<0.00010	0.00056	0.00797	<0.000020	<0.000050	<0.010	<0.0000050
	CC-15	Primary	VA25C9101-003	2025-10-29	<0.000010	<0.00010	0.00241	0.000117	0.00051	<0.0030	0.0087	<0.00010	0.00053	0.00893	<0.000020	<0.000050	<0.010	<0.0000050
	CC-15	Primary	VA25D1976-002	2025-11-26	<0.000010	<0.00010	0.00065	0.000110	<0.00050	<0.0030	0.0026	<0.00010	0.00055	0.00738	<0.			

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Total Metals (<i>cont'd</i>)						Dissolved Metals							
					Thallium, Total	Tin, Total	Titanium, Total	Uranium, Total	Vanadium, Total	Zinc, Total	Aluminum, Dissolved	Antimony, Dissolved	Arsenic, Dissolved	Barium, Dissolved	Beryllium, Dissolved	Bismuth, Dissolved	Boron, Dissolved	Cadmium, Dissolved
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Chedakuz Creek (<i>cont'd</i>)	CC-20	Primary	VA25C6908-001	2025-10-08	<0.000010	<0.00010	0.00078	0.000114	0.00050	<0.0030	0.0032	<0.00010	0.00055	0.00816	<0.000020	<0.000050	<0.010	<0.0000050
	CC-20	Primary	VA25C7563-001	2025-10-14	<0.000010	<0.00010	0.00148	0.000126	<0.00050	<0.0030	0.0035	<0.00010	0.00056	0.00786	<0.000020	<0.000050	<0.010	<0.0000050
	CC-20	Primary	VA25C8358-005	2025-10-20	<0.000010	<0.00010	0.00038	0.000100	<0.00050	<0.0030	0.0033	<0.00010	0.00053	0.00887	<0.000020	<0.000050	<0.010	<0.0000050
	CC-20	Primary	VA25C8919-008	2025-10-27	<0.000010	<0.00010	0.00353	0.000116	0.00055	<0.0030	0.0095	<0.00010	0.00052	0.00819	<0.000020	<0.000050	<0.010	<0.0000050
	CC-20	Primary	VA25C9101-008	2025-10-29	<0.000010	<0.00010	0.00185	0.000116	<0.00050	<0.0030	0.0068	<0.00010	0.00050	0.00842	<0.000020	<0.000050	<0.010	<0.0000050
	CC-20	Primary	VA25D1976-001	2025-11-26	<0.000010	<0.00010	0.00157	0.000111	<0.00050	<0.0030	0.0027	<0.00010	0.00051	0.00753	<0.000020	<0.000050	<0.010	<0.0000050
	CC-20	Primary	VA25D4214-007	2025-12-27	<0.000010	<0.00010	0.00130	0.000121	<0.00050	<0.0030	0.0032	<0.00010	0.00057	0.00746	<0.000020	<0.000050	<0.010	<0.0000050
	CC-20	Duplicate	VA25A1845-003	2025-01-26	<0.000010	<0.00010	0.00061	0.000136	<0.00050	<0.0030	0.0021	<0.00010	0.00054	0.00833	<0.000020	<0.000050	<0.010	<0.0000050
	CC-20	Duplicate	VA25A8058-004	2025-04-09	<0.000010	<0.00010	0.00915	0.000162	0.00112	<0.0030	0.0263	<0.00010	0.00058	0.00924	<0.000020	<0.000050	<0.010	<0.0000050
	CC-20	Duplicate	VA25B6834-007	2025-07-07	<0.000010	<0.00010	0.00141	0.000110	0.00057	<0.0030	0.0081	<0.00010	0.00072	0.00734	<0.000020	<0.000050	<0.010	<0.0000050
	CC-30	Primary	VA25A5560-002	2025-03-11	<0.000010	<0.00010	0.00081	0.000191	<0.00050	<0.0030	0.0030	<0.00010	0.00047	0.00831	<0.000020	<0.000050	<0.010	<0.0000050
	CC-30	Primary	VA25A8058-002	2025-04-09	<0.000010	<0.00010	0.00921	0.000168	0.00125	<0.0030	0.0196	<0.00010	0.00055	0.00856	<0.000020	<0.000050	<0.010	<0.0000050
	CC-30	Primary	VA25B7192-002	2025-07-13	<0.000010	<0.00010	0.00079	0.000141	0.00072	<0.0030	0.0074	<0.00010	0.00088	0.00807	<0.000020	<0.000050	<0.010	<0.0000050
	CC-30	Primary	VA25C6737-003	2025-10-05	<0.000010	<0.00010	0.00078	0.000158	0.00065	<0.0030	0.0029	<0.00010	0.00064	0.00856	<0.000020	<0.000050	<0.010	<0.0000050
	CC-30	Duplicate	VA25B7192-003	2025-07-13	<0.000010	<0.00010	0.00139	0.000148	0.00074	<0.0030	0.0078	<0.00010	0.00089	0.00806	<0.000020	<0.000050	<0.010	<0.0000050
	CC-40	Primary	VA25A1845-001	2025-01-26	<0.000010	<0.00010	0.00099	0.000233	<0.00050	<0.0030	0.0032	<0.00010	0.00058	0.00939	<0.000020	<0.000050	<0.010	<0.0000050
	CC-40	Primary	VA25A3507-001	2025-02-17	<0.000010	<0.00010	0.00067	0.000217	<0.00050	<0.0030	0.0024	<0.00010	0.00055	0.0104	<0.000020	<0.000050	<0.010	<0.0000050
	CC-40	Primary	VA25A5560-003	2025-03-11	<0.000010	<0.00010	0.00067	0.000223	<0.00050	<0.0030	0.0025	<0.00010	0.00057	0.00880	<0.000020	<0.000050	<0.010	<0.0000050
	CC-40	Primary	VA25A8058-001	2025-04-09	<0.000010	<0.00010	0.00816	0.000168	0.00128	<0.0030	0.0159	<0.00010	0.00053	0.00849	<0.000020	<0.000050	<0.010	<0.0000050
	CC-40	Primary	VA25B0438-006	2025-05-05	<0.000010	<0.00010	0.00545	0.000102	0.00073	<0.0030	0.0184	<0.00010	0.00047	0.00774	<0.000020	<0.000050	<0.010	<0.0000050
	CC-40	Primary	VA25B1094-003	2025-05-12	<0.000010	<0.00010	0.00200	0.000108	0.00052	<0.0030	0.0129	<0.00010	0.00046	0.00728	<0.000020	<0.000050	<0.010	<0.0000050
	CC-40	Primary	VA25B1721-001	2025-05-19	<0.000010	<0.00010	0.0121	0.000102	0.00123	<0.0030	0.0270	<0.00010	0.00047	0.00814	<0.000020	<0.000050	<0.010	<0.0000050
	CC-40	Primary	VA25B2427-003	2025-05-26	<0.000010	<0.00010	0.00435	0.000118	0.00073	<0.0030	0.0135	<0.00010	0.00049	0.00731	<0.000020	<0.000050	<0.010	<0.0000050
	CC-40	Primary	VA25B3822-003	2025-06-02	<0.000010	<0.00010	0.00342	0.000128	0.00067	<0.0030	0.0128	<0.00010	0.00059	0.00748	<0.000020	<0.000050	<0.010	<0.0000050
	CC-40	Primary	VA25B5256-001	2025-06-22	<0.000010	<0.00010	0.00378	0.000140	0.00094	<0.0030	0.0100	<0.00010	0.00084	0.00839	<0.000020	<0.000050	<0.010	<0.0000050
	CC-40	Primary	VA25B7192-001	2025-07-13	<0.000010	<0.00010	0.00074	0.000157	0.00071	<0.0030	0.0065	<0.00010	0.00094	0.00844	<0.000020	<0.000050	<0.010	<0.0000050
	CC-40	Primary	VA25B9374-001	2025-08-03	<0.000010	<0.00010	0.00097	0.000191	0.00080	<0.0030	0.0035	<0.00010	0.00124	0.00959	<0.000020	<0.000050	<0.010	<0.0000050
	CC-40	Primary	VA25C4967-009	2025-09-17	<0.000010	<0.00010	0.00099	0.000233	0.00068	<0.0030	0.0044	<0.00010	0.00108	0.00913	<0.000020	<0.000050	<0.010	<0.0000050
	CC-40	Primary	VA25C6737-001	2025-10-05	<0.000010	<0.00010	0.00091	0.000216	0.00066	<0.0030	0.0034	<0.00010	0.00081	0.00859	<0.000020	<0.000050	<0.010	<0.0000050
	CC-40	Primary	VA25C7563-004	2025-10-14	<0.000010	<0.00010	0.00077	0.000230	0.00051	<0.0030	0.0026	<0.00010	0.00077	0.00839	<0.000020	<0.000050	<0.010	<0.0000050
	CC-40	Primary	VA25C8358-001	2025-10-20	<0.000010	<0.00010	0.00061	0.000240	0.00056	<0.0030	0.0024	<0.00010	0.00071	0.00906	<0.000020	<0.000050	<0.010	<0.0000050
	CC-40	Primary	VA25C8919-007	2025-10-27	<0.000010	<0.00010	0.00160	0.000200	0.00052	<0.0030	0.0024	<0.00010	0.00063	0.00871	<0.000020	<0.000050	<0.010	<0.0000050
	CC-40	Primary	VA25C9101-001	2025-10-29	<0.000010	<0.00010	0.00095	0.000187	<0.00050	<0.0030	0.0033	<0.00010	0.00069	0.00889	<0.000020	<0.000050		

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Total Metals (<i>cont'd</i>)						Dissolved Metals							
					Thallium, Total	Tin, Total	Titanium, Total	Uranium, Total	Vanadium, Total	Zinc, Total	Aluminum, Dissolved	Antimony, Dissolved	Arsenic, Dissolved	Barium, Dissolved	Beryllium, Dissolved	Bismuth, Dissolved	Boron, Dissolved	Cadmium, Dissolved
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Creek 705 (<i>cont'd</i>)	705-05	Duplicate	VA25B0438-008	2025-05-05	<0.000010	<0.00010	0.00170	0.000194	<0.00050	<0.0030	0.123	<0.00010	0.00019	0.00616	0.000026	<0.000050	<0.010	<0.0000050
	705-10	Primary	VA25A0226-002	2025-01-05	<0.000010	<0.00010	0.00114	0.000126	<0.00050	<0.0030	0.0516	<0.00010	0.00019	0.00843	<0.000020	<0.000050	<0.010	<0.0000050
	705-10	Primary	VA25A2544-003	2025-02-03	<0.000010	<0.00010	0.00058	0.000123	<0.00050	<0.0030	0.0326	<0.00010	0.00016	0.00854	<0.000020	<0.000050	<0.010	<0.0000050
	705-10	Primary	VA25A5321-001	2025-03-05	<0.000010	<0.00010	0.00057	0.000130	<0.00050	<0.0030	0.0296	<0.00010	0.00018	0.00926	<0.000020	<0.000050	<0.010	<0.0000050
	705-10	Primary	VA25A7634-001	2025-04-03	<0.000010	<0.00010	0.00478	0.000156	<0.00050	<0.0030	0.0981	<0.00010	0.00019	0.00994	<0.000020	<0.000050	<0.010	<0.0000050
	705-10	Primary	VA25B0438-003	2025-05-05	<0.000010	<0.00010	<0.00540	0.000219	<0.00050	<0.0030	0.156	<0.00010	0.00019	0.00721	0.000026	<0.000050	<0.010	<0.0000050
	705-10	Primary	VA25B1094-007	2025-05-12	<0.000010	<0.00010	0.00330	0.000199	<0.00050	<0.0030	0.130	<0.00010	0.00018	0.00727	0.000024	<0.000050	<0.010	<0.0000050
	705-10	Primary	VA25B1721-004	2025-05-19	<0.000010	<0.00010	0.00762	0.000265	0.00066	<0.0030	0.203	<0.00010	0.00020	0.00815	0.000036	<0.000050	<0.010	0.0000050
	705-10	Primary	VA25B2427-004	2025-05-26	<0.000010	<0.00010	0.00286	0.000250	<0.00050	<0.0030	0.120	<0.00010	0.00018	0.00714	0.000025	<0.000050	<0.010	<0.0000050
	705-10	Primary	VA25B3822-004	2025-06-02	<0.000010	<0.00010	0.00251	0.000227	<0.00050	<0.0030	0.105	<0.00010	0.00019	0.00724	<0.000020	<0.000050	<0.010	<0.0000050
	705-10	Primary	VA25B5784-001	2025-06-25	<0.000010	<0.00010	0.00160	0.000201	<0.00050	<0.0030	0.0810	<0.00010	0.00022	0.00854	0.000022	<0.000050	<0.010	<0.0000050
	705-10	Primary	VA25B7427-007	2025-07-14	<0.000010	<0.00010	0.00121	0.000170	<0.00050	<0.0030	0.0586	<0.00010	0.00022	0.00914	<0.000020	<0.000050	<0.010	<0.0000050
	705-10	Primary	VA25B9438-002	2025-08-04	<0.000010	<0.00010	0.00055	0.000118	<0.00050	<0.0030	0.0259	<0.00010	0.00024	0.0110	<0.000020	<0.000050	<0.010	<0.0000050
	705-10	Primary	VA25C3699-002	2025-09-09	<0.000010	<0.00010	0.00119	0.000101	<0.00050	<0.0030	0.0187	<0.00010	0.00018	0.0122	<0.000020	<0.000050	<0.010	<0.0000050
	705-10	Primary	VA25C7355-001	2025-10-07	<0.000010	<0.00010	0.00034	0.000091	<0.00050	<0.0030	0.0120	<0.00010	0.00016	0.0105	<0.000020	<0.000050	<0.010	<0.0000050
	705-10	Primary	VA25C7563-008	2025-10-14	<0.000010	<0.00010	0.00187	0.000099	<0.00050	<0.0030	0.0124	<0.00010	0.00014	0.00977	<0.000020	<0.000050	<0.010	<0.0000050
	705-10	Primary	VA25C8047-007	2025-10-18	<0.000010	<0.00010	<0.00030	0.000086	<0.00050	<0.0030	0.0129	<0.00010	0.00014	0.0101	<0.000020	<0.000050	<0.010	<0.0000050
	705-10	Primary	VA25C8919-005	2025-10-26	<0.000010	<0.00010	0.00069	0.000091	<0.00050	<0.0030	0.0212	<0.00010	0.00018	0.00874	<0.000020	<0.000050	<0.010	<0.0000050
	705-10	Primary	VA25C9101-005	2025-10-29	<0.000010	<0.00010	0.00076	0.000092	<0.00050	<0.0030	0.0244	<0.00010	0.00018	0.00906	<0.000020	<0.000050	<0.010	<0.0000050
	705-10	Primary	VA25C9690-001	2025-11-02	<0.000010	<0.00010	0.00051	0.000090	<0.00050	<0.0030	0.0192	<0.00010	0.00016	0.00869	<0.000020	<0.000050	<0.010	<0.0000050
	705-10	Primary	VA25D3069-001	2025-12-08	<0.000010	<0.00010	0.00054	0.000100	<0.00050	<0.0030	0.0202	<0.00010	0.00017	0.00852	<0.000020	<0.000050	<0.010	<0.0000050
	705-10	Duplicate	VA25A5321-002	2025-03-05	<0.000010	<0.00010	0.00049	0.000126	<0.00050	<0.0030	0.0306	<0.00010	0.00017	0.00939	<0.000020	<0.000050	<0.010	<0.0000050
	705-10	Duplicate	VA25B1721-005	2025-05-19	<0.000010	<0.00010	0.00894	0.000270	0.00066	<0.0030	0.196	<0.00010	0.00020	0.00806	0.000038	<0.000050	<0.010	<0.0000050
	705-10	Duplicate	VA25C3699-003	2025-09-09	<0.000010	<0.00010	0.00070	0.000100	<0.00050	<0.0030	0.0187	<0.00010	0.00020	0.0125	<0.000020	<0.000050	<0.010	<0.0000050
	705-10	Duplicate	VA25C7355-002	2025-10-07	<0.000010	<0.00010	0.00038	0.000086	<0.00050	<0.0030	0.0145	<0.00010	0.00016	0.0101	<0.000020	<0.000050	<0.010	<0.0000050
	705-10	Duplicate	VA25C9690-002	2025-11-02	<0.000010	<0.00010	0.00052	0.000090	<0.00050	<0.0030	0.0204	<0.00010	0.00018	0.00886	<0.000020	<0.000050	<0.010	<0.0000050
Fawnie Creek	FC-01	Primary	VA25A0226-001	2025-01-05	<0.000010	<0.00010	<0.00030	0.000038	<0.00050	<0.0030	0.0115	<0.00010	0.00075	0.00323	<0.000020	<0.000050	<0.010	<0.0000050
	FC-01	Primary	VA25A2544-001	2025-02-03	<0.000010	<0.00010	<0.00030	0.000054	<0.00050	<0.0030	0.0079	<0.00010	0.00079	0.00353	<0.000020	<0.000050	<0.010	0.0000057
	FC-01	Primary	VA25A6295-001	2025-03-19	<0.000010	<0.00010	<0.00030	0.000081	0.00055	<0.0030	0.0067	<0.00010	0.00088	0.00396	<0.000020	<0.000050	<0.010	<0.0000050
	FC-01	Primary	VA25A7634-002	2025-04-03	<0.000010	<0.00010	0.00046	0.000084	<0.00050	<0.0030	0.0061	<0.00010	0.00090	0.00405	<0.000020	<0.000050	<0.010	<0.0000050
	FC-01	Primary	VA25B0438-007	2025-05-05	<0.000010	<0.00010	0.00126	0.000042	<0.00050	<0.0030	0.0816	<0.00010	0.00053	0.00245	<0.000020	<0.000050	<0.010	0.0000096
	FC-01	Primary	VA25B1094-006	2025-05-12	<0.000010	<0.00010	0.00119	0.000036	<0.00050	<0.0030	0.0673	<0.00010	0.00044	0.00245	<0.000020	<0.000050	<0.010	0.0000054
	FC-01	Primary	VA25B1721-006	2025-05-19	<0.000010	<0.00010	0.00452	0.000038	0.00053	<0.0030	0.140	<0.00010	0.00032	0.00224	<0.000020	<0.000050	<0.010	0.0000135
	FC-01	Primary	VA25B2427-005	2025-05-26	<0.000010	<0.00010	0.00212	0.000038	<0.00050	<0.0030	0.106	<0.00010	0.00033	0.00198	<0.000020	<0.000050	<0.010	0.0000151
	FC-01	Primary	VA25B3822-005	2025-06-02	<0.000010	<0.00010	0.00085	0.000037	<0.00050	<0.0030	0.0837	<0.00010	0.00038	0.00210	<0.000020	<0.000050	<0.010	0.0000111
	FC-01	Primary	VA25B5629-001	2025-06-23	<0.000010	<0.00010	0.00155	0.000035	<0.00050	<0.0030	0.0483	<0.00010	0.00051	0.00248	<0.000020	<0.000050	<0.010	0.0000118
	FC-01	Primary	VA25B7427-006	2025-07-14	<0.000010	<0.00010	0.00160	0.000039	0.00059	<0.0030	0.0326	<0.00010	0.00060	0.00290	<0.000020	<0.000050	<0.010	0.0000088
	FC-01	Primary	VA25B9438-003	2025-08-04	<0.000010	<0.00010	<0.00030	0.000035	0.00057	<0.0030	0.0184	<0.00010	0.00069	0.00366	<0.000020	<0.000050	<0.010	0.0000057
	FC-01	Primary	VA25C5489-001	2025-09-23	<0.000010	<0.00010	<0.00030	0.000047	0.00053	<0.0030	0.0100	<0.00010	0.00074	0.00428	<0.000020	<0.000050	<0.010	0.0000058
	FC-01	Primary	VA25C7355-003	2025-10-07	<0.000010	<0.00010	<0.00030	0.000044	<0.00050	<0.0030	0.0123	<0.00010	0.00074	0.00371	<0.000020	<0.000050	<0.010	0.0000051
	FC-01	Primary	VA25C7563-007	2025-10-14	<0.000010	<0.00010	<0.00030	0.000048	<0.00050	<0.0030	0.0081	<0.00010	0.00065	0.00364	<0.000020	<0.000050	<0.010	<0.0000050
	FC-01	Primary	VA25C8047-006	2025-10-18	<0.000010	<0.00010	<0.00030	0.000046	<0.00050	<0.0030	0.0090	<0.00010	0.00069	0.00399	<0.000020	<0.000050	<0.010	0.0000078
	FC-01	Primary	VA25C8919-006	2025-10-27	<0.000010	<0.00010	<0.00030	0.000039	<0.00050	<0.0030	0.0100	<0.00010	0.00066	0.00358	<0.000020	<0.000050	<0.010	0.0000051
	FC-01	Primary	VA25C9101-004	2025-10-29	<0.000010	<0.00010	<0.00030	0.000043	<0.00050	<0.0030	0.0110	<0.00010	0.00074	0.00357	<0.000020	<0.000050	<0.010	<0.0000050
	FC-01	Primary	VA25C9690-003	2025-11-02	<0.000010	<0.00010	<0.00030	0.000047	0.00061	<0.0030	0.0094	<0.00010	0.00068	0.00340	<0.000020	<0.000050	<0.010	<0.0000050
	FC-01	Primary	VA25D3069-002	2025-12-08	0.000010	<0.00010	<0.00030	0.000060	0.00052	<0.0030	0.0084	<0.00010	0.00076	0.00390	<0.000020	<0.000050	<0.010	0.0000056
	FC-01	Duplicate	VA25A6295-002	2025-03-19	<0.000010	<0.00010	<0.00030	0.000073	0.00056	<0.0030	0.0069	<0.00010	0.00089	0.00394	<0.000020	<0.000050	<0.010	0.0000051

Notes:
'-' indicates parameter was not analyzed.
'<' indicates value was below the detection limit.

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Dissolved Metals (<i>cont'd</i>)													
					Calcium, Dissolved	Chromium, Dissolved	Cobalt, Dissolved	Copper, Dissolved	Iron, Dissolved	Lead, Dissolved	Lithium, Dissolved	Magnesium, Dissolved	Manganese, Dissolved	Mercury, Dissolved	Molybdenum, Dissolved	Nickel, Dissolved	Phosphorus, Dissolved	Potassium, Dissolved
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Davidson Creek	DC-05	Primary	VA25A0824-004	2025-01-12	12.1	<0.00050	<0.00010	0.00022	0.035	<0.000050	<0.0010	2.48	0.00320	<0.0000050	0.000631	<0.00050	<0.050	0.541
	DC-05	Primary	VA25A2544-005	2025-02-03	16.1	<0.00050	<0.00010	0.00049	0.026	<0.000050	<0.0010	3.01	0.00336	<0.0000050	0.000905	<0.00050	<0.050	0.804
	DC-05	Primary	VA25A6706-002	2025-03-25	16.8	<0.00050	<0.00010	<0.00020	0.021	<0.000050	<0.0010	3.46	0.00301	<0.0000050	0.000999	<0.00050	<0.050	0.650
	DC-05	Primary	VA25A7611-001	2025-04-04	14.0	<0.00050	<0.00010	0.00022	0.038	<0.000050	<0.0010	2.76	0.00318	<0.0000050	0.000869	<0.00050	<0.050	0.553
	DC-05	Primary	VA25B0343-008	2025-05-04	4.69	<0.00050	<0.00010	0.00059	0.085	<0.000050	<0.0010	0.927	0.00313	<0.0000050	0.000222	<0.00050	<0.050	0.725
	DC-05	Primary	VA25B0962-003	2025-05-11	4.90	<0.00050	<0.00010	0.00059	0.084	<0.000050	<0.0010	0.925	0.00366	<0.0000050	0.000271	<0.00050	<0.050	0.678
	DC-05	Primary	VA25B1482-007	2025-05-14	4.83	<0.00050	<0.00010	0.00062	0.080	<0.000050	<0.0010	0.959	0.00339	<0.0000050	0.000311	<0.00050	<0.050	0.636
	DC-05	Primary	VA25B2274-005	2025-05-25	4.75	<0.00050	<0.00010	0.00058	0.080	<0.000050	<0.0010	0.955	0.00420	<0.0000050	0.000284	<0.00050	<0.050	0.668
	DC-05	Primary	VA25B2953-004	2025-06-01	4.95	<0.00050	<0.00010	0.00056	0.062	<0.000050	<0.0010	0.898	0.00528	<0.0000050	0.000338	<0.00050	<0.050	0.531
	DC-05	Primary	VA25B5984-001	2025-06-29	7.22	<0.00050	0.00010	0.00082	0.091	0.000112	<0.0010	1.33	0.0166	<0.0000050	0.000464	<0.00050	<0.050	0.716
	DC-05	Primary	VA25B6851-002	2025-07-08	12.0	<0.00050	0.00016	0.00051	0.058	0.000059	<0.0010	2.34	0.0328	<0.0000050	0.000691	<0.00050	<0.050	0.679
	DC-05	Primary	VA25C0003-001	2025-08-10	12.5	<0.00050	0.00102	0.00056	0.065	0.000059	<0.0010	2.38	0.0245	<0.0000050	0.000956	<0.00050	<0.050	0.762
	DC-05	Primary	VA25C5489-003	2025-09-23	12.6	<0.00050	0.00059	0.00032	0.035	<0.000050	<0.0010	2.47	0.0454	<0.0000050	0.000812	<0.00050	<0.050	0.829
	DC-05	Primary	VA25C7355-004	2025-10-07	10.2	<0.00050	0.00065	0.00062	0.066	0.000059	<0.0010	1.95	0.0217	<0.0000050	0.000672	<0.00050	<0.050	0.694
	DC-05	Primary	VA25C7563-005	2025-10-14	11.0	<0.00050	0.00092	0.00034	0.047	<0.000050	<0.0010	2.23	0.0236	<0.0000050	0.000664	<0.00050	<0.050	0.620
	DC-05	Primary	VA25C8047-004	2025-10-18	13.8	<0.00050	0.00127	0.00028	0.069	<0.000050	<0.0010	2.61	0.0355	<0.0000050	0.000791	<0.00050	<0.050	0.543
	DC-05	Primary	VA25C9101-010	2025-10-29	9.81	<0.00050	0.00099	0.00034	0.043	<0.000050	<0.0010	1.79	0.0110	<0.0000050	0.000622	<0.00050	<0.050	0.568
	DC-05	Primary	VA25C9485-001	2025-10-31	10.3	<0.00050	0.00110	0.00055	0.095	0.000144	<0.0010	1.90	0.0139	<0.0000050	0.000712	<0.00050	<0.050	0.545
	DC-05	Primary	VA25D0189-001	2025-11-09	11.2	<0.00050	0.00171	0.00028	0.049	<0.000050	<0.0010	2.13	0.0124	<0.0000050	0.000628	<0.00050	<0.050	0.501
	DC-05	Primary	VA25D1021-002	2025-11-16	10.1	<0.00050	0.00137	0.00032	0.067	<0.000050	<0.0010	1.99	0.0106	<0.0000050	0.000577	<0.00050	<0.050	0.454
	DC-05	Primary	VA25D2832-001	2025-12-05	12.4	<0.00050	0.00206	0.00025	0.046	<0.000050	<0.0010	2.57	0.00988	<0.0000050	0.000580	<0.00050	<0.050	0.474
	DC-05	Duplicate	VA25A0824-005	2025-01-12	11.9	<0.00050	<0.00010	0.00021	0.034	<0.000050	<0.0010	2.45	0.00308	<0.0000050	0.000675	<0.00050	<0.050	0.530
	DC-05	Duplicate	VA25A7611-002	2025-04-04	14.1	<0.00050	<0.00010	0.00021	0.038	<0.000050	<0.0010	2.88	0.00324	<0.0000050	0.000832	<0.00050	<0.050	0.568
	DC-05	Duplicate	VA25B6851-003	2025-07-08	12.0	<0.00050	0.00017	0.00050	0.052	0.000068	<0.0010	2.35	0.0338	<0.0000050	0.000686	<0.00050	<0.050	0.684
	DC-05	Duplicate	VA25C7563-006	2025-10-14	10.7	<0.00050	0.00093	0.00037	0.042	<0.000050	<0.0010	2.13	0.0207	<0.0000050	0.000678	<0.00050	<0.050	0.686
	DC-05	Duplicate	VA25C9485-002	2025-10-31	10.3	<0.00050	0.00109	0.00059	0.082	0.000087	<0.0010	1.92	0.0134	<0.0000050	0.000653	<0.00050	<0.050	0.540
	DC-10	Primary	VA25A0824-006	2025-01-12	12.3	<0.00050	<0.00010	0.00022	0.032	<0.000050	<0.0010	2.45	0.00144	<0.0000050	0.000654	<0.00050	<0.050	0.531
	DC-10	Primary	VA25A2647-001	2025-02-04	15.2	<0.00050	<0.00010	<0.00020	0.017	<0.000050	<0.0010	3.14	0.00135	<0.0000050	0.000798	<0.00050	<0.050	0.594
	DC-10	Primary	VA25A6706-004	2025-03-25	16.8	<0.00050	<0.00010	<0.00020	0.018	<0.000050	<0.0010	3.51	0.00163	<0.0000050	0.000943	<0.00050	<0.050	0.601
	DC-10	Primary	VA25A7611-003	2025-04-04	14.2	<0.00050	<0.00010	<0.00020	0.030	<0.000050	<0.0010	2.90	0.00166	<0.0000050	0.000819	<0.00050	<0.050	0.596
	DC-10	Primary	VA25B0343-009	2025-05-04	4.87	<0.00050	<0.00010	0.00057	0.076	<0.000050	<0.0010	0.957	0.00247	<0.0000050	0.000234	<0.00050	<0.050	0.714
	DC-10	Primary	VA25B5984-002	2025-06-29	7.29	<0.00050	<0.00010	0.00077	0.087	0.000115	<0.0010	1.39	0.00956	<0.0000050	0.000468	<0.00050	<0.050	0.717
	DC-10	Primary	VA25B6851-004	2025-07-08	12.1	<0.00050	0.00015	0.00042	0.037	<0.000050	<0.0010	2.35	0.0131	<0.0000050	0.000695	<0.00050	<0.050	0.684
	DC-10	Primary	VA25C0017-004	2025-08-10	12.2	<0.00050	0.00080	0.00034	0.044	<0.000050	<0.0010	2.47	0.00753	<0.0000050	0.000869	<0.00050	<0.050	0.704
	DC-10	Primary	VA25C4751-001	2025-09-15	17.6	<0.00050	0.00295	0.00025	0.025	<0.000050	<0.0010	3.42	0.00869	<0.0000050	0.000907	<0.00050	<0.050	0.819
	DC-10	Primary	VA25C9101-011	2025-10-29	10.7	&												

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Dissolved Metals (<i>cont'd</i>)													
					Calcium, Dissolved	Chromium, Dissolved	Cobalt, Dissolved	Copper, Dissolved	Iron, Dissolved	Lead, Dissolved	Lithium, Dissolved	Magnesium, Dissolved	Manganese, Dissolved	Mercury, Dissolved	Molybdenum, Dissolved	Nickel, Dissolved	Phosphorus, Dissolved	Potassium, Dissolved
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Davidson Creek (<i>cont'd</i>)	DC-20	Primary	VA25A2647-003	2025-02-04	16.8	<0.00050	<0.00010	0.00069	0.176	<0.000050	<0.0010	4.37	0.0287	<0.0000050	0.000673	<0.00050	<0.050	1.06
	DC-20	Primary	VA25A4955-001	2025-03-04	17.6	<0.00050	<0.00010	0.00048	0.140	<0.000050	<0.0010	4.05	0.0302	<0.0000050	0.000700	<0.00050	<0.050	0.827
	DC-20	Primary	VA25A7310-003	2025-04-01	17.0	0.00128	<0.00010	0.00036	0.159	<0.000050	<0.0010	4.09	0.0279	<0.0000050	0.000753	<0.00050	<0.050	0.827
	DC-20	Primary	VA25B0343-010	2025-05-04	7.08	<0.00050	<0.00010	0.00065	0.114	<0.000050	<0.0010	1.58	0.00820	<0.0000050	0.000310	<0.00050	<0.050	0.740
	DC-20	Primary	VA25B0962-001	2025-05-11	7.31	<0.00050	<0.00010	0.00054	0.106	<0.000050	<0.0010	1.62	0.00832	<0.0000050	0.000362	<0.00050	<0.050	0.686
	DC-20	Primary	VA25B1482-008	2025-05-14	7.05	<0.00050	<0.00010	0.00061	0.120	<0.000050	<0.0010	1.66	0.00870	<0.0000050	0.000358	<0.00050	<0.050	0.689
	DC-20	Primary	VA25B2274-006	2025-05-25	7.45	<0.00050	<0.00010	0.00056	0.120	<0.000050	<0.0010	1.72	0.00896	<0.0000050	0.000340	<0.00050	<0.050	0.656
	DC-20	Primary	VA25B2953-005	2025-06-01	7.64	<0.00050	<0.00010	0.00062	0.110	<0.000050	<0.0010	1.69	0.0111	<0.0000050	0.000422	<0.00050	<0.050	0.672
	DC-20	Primary	VA25B5722-003	2025-06-23	10.7	<0.00050	0.00016	0.00076	0.496	0.000336	<0.0010	2.15	0.0278	<0.0000050	0.000626	<0.00050	<0.050	0.773
	DC-20	Primary	VA25B6834-003	2025-07-07	11.0	<0.00050	<0.00010	0.00044	0.223	<0.000050	<0.0010	2.41	0.0163	<0.0000050	0.000607	<0.00050	<0.050	0.682
	DC-20	Primary	VA25C0017-001	2025-08-10	14.6	<0.00050	0.00048	0.00032	0.393	<0.000050	<0.0010	3.65	0.0229	<0.0000050	0.000880	<0.00050	<0.050	0.839
	DC-20	Primary	VA25C4967-002	2025-09-17	18.2	<0.00050	0.00117	0.00031	0.425	<0.000050	<0.0010	3.97	0.0164	<0.0000050	0.000864	<0.00050	<0.050	0.932
	DC-20	Primary	VA25C6908-003	2025-10-08	15.6	<0.00050	0.00043	0.00030	0.391	<0.000050	<0.0010	3.76	0.0237	<0.0000050	0.000691	<0.00050	<0.050	0.757
	DC-20	Primary	VA25C7563-003	2025-10-14	14.6	<0.00050	0.00046	0.00030	0.299	<0.000050	<0.0010	3.89	0.0336	<0.0000050	0.000674	<0.00050	<0.050	0.714
	DC-20	Primary	VA25C8358-002	2025-10-20	15.8	<0.00050	0.00052	0.00043	0.332	<0.000050	<0.0010	3.73	0.0331	<0.0000050	0.000637	<0.00050	<0.050	0.717
	DC-20	Primary	VA25C9101-002	2025-10-29	13.8	<0.00050	0.00063	0.00040	0.264	<0.000050	<0.0010	3.28	0.0327	<0.0000050	0.000647	<0.00050	<0.050	0.707
	DC-20	Primary	VA25C9485-003	2025-10-31	14.1	<0.00050	0.00064	0.00028	0.267	<0.000050	<0.0010	3.42	0.0285	<0.0000050	0.000664	<0.00050	<0.050	0.687
	DC-20	Primary	VA25D1976-004	2025-11-26	17.4	<0.00050	0.00085	0.00025	0.366	<0.000050	<0.0010	4.23	0.0490	<0.0000050	0.000610	<0.00050	<0.050	0.666
	DC-20	Primary	VA25D3068-004	2025-12-08	15.4	<0.00050	0.00088	<0.00020	0.269	<0.000050	<0.0010	4.11	0.0427	<0.0000050	0.000647	<0.00050	<0.050	0.646
	DC-20	Duplicate	VA25B2953-006	2025-06-01	7.70	<0.00050	<0.00010	0.00065	0.119	<0.000050	<0.0010	1.68	0.0110	<0.0000050	0.000399	<0.00050	<0.050	0.664
	DC-20	Duplicate	VA25C0017-002	2025-08-10	15.3	<0.00050	0.00048	0.00030	0.378	<0.000050	<0.0010	3.68	0.0247	<0.0000050	0.000827	<0.00050	<0.050	0.829
Creek 661	661-01	Primary	VA25A1481-001	2025-01-20	3.99	<0.00050	<0.00010	0.00024	0.187	<0.000050	<0.0010	1.01	0.0136	<0.0000050	0.000223	<0.00050	<0.050	0.231
	661-01	Primary	VA25A8806-004	2025-04-15	3.06	<0.00050	<0.00010	0.00021	0.628	<0.000050	<0.0010	0.814	0.00567	<0.0000050	0.000146	<0.00050	<0.050	0.296
	661-01	Primary	VA25B0343-004	2025-05-04	2.22	<0.00050	<0.00010	0.00055	0.232	<0.000050	<0.0010	0.555	0.00976	<0.0000050	0.000098	<0.00050	<0.050	0.351
	661-01	Primary	VA25B0962-005	2025-05-11	2.02	<0.00050	<0.00010	0.00048	0.132	<0.000050	<0.0010	0.496	0.00208	0.0000062	0.000077	<0.00050	<0.050	0.221
	661-01	Primary	VA25B1482-002	2025-05-14	1.95	<0.00050	<0.00010	0.00053	0.117	<0.000050	<0.0010	0.503	0.00205	<0.0000050	0.000085	<0.00050	<0.050	0.189
	661-01	Primary	VA25B2274-001	2025-05-25	2.06	<0.00050	<0.00010	0.00047	0.094	<0.000050	<0.0010	0.517	0.00183	0.0000062	0.000081	<0.00050	<0.050	0.149
	661-01	Primary	VA25B2953-001	2025-06-01	2.29	<0.00050	<0.00010	0.00044	0.095	<0.000050	<0.0010	0.538	0.00260	<0.0000050	0.000104	<0.00050	<0.050	0.141
	661-01	Primary	VA25B5722-006	2025-06-23	2.83	<0.00050	<0.00010	0.00029	0.062	<0.000050	<0.0010	0.682	0.00355	<0.0000050	0.000154	<0.00050	<0.050	0.132
	661-01	Primary	VA25B7427-010	2025-07-14	3.32	<0.00050	<0.00010	0.00025	0.050	<0.000050	<0.0010	0.820	0.00499	<0.0000050	0.000191	<0.00050	<0.050	0.150
	661-01	Primary	VA25C0216-002	2025-08-11	3.77	<0.00050	<0.00010	<0.00020	0.040	<0.000050	<0.0010	1.01	0.00572	<0.0000050	0.000180	<0.00050	<0.050	0.203
	661-01	Primary	VA25C5489-005	2025-09-24	3.80	<0.00050	<0.00010	0.00024	0.048	<0.000050	<0.0010	0.952	0.0104	<0.0000050	0.000157	<0.00050	<0.050	0.238
	661-01	Primary	VA25C5617-001	2025-09-22	3.85	<0.00050	<0.00010	<0.00020	0.041	<0.000050	<0.0010	0.988	0.00682	<0.0000050	0.000159	<0.00050	<0.050	0.246
	661-01	Primary	VA25C6039-001	2025-09-30	3.90	<0.00050	<0.00010	0.00024	0.049	<0.000050	<0.0010	1.07	0.0309	<0.0000050	0.000178	<0.00050	<0.050	0.325
	661-01	Primary	VA25C7355-006	2025-10-07	3.84	<0.00050	<0.00010	<0.00020	0.037	<0.000050	<0.0010	1.03	0.00790	<0.0000050	0.000202	<0.00050	<0.050	

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Dissolved Metals (<i>cont'd</i>)													
					Calcium, Dissolved	Chromium, Dissolved	Cobalt, Dissolved	Copper, Dissolved	Iron, Dissolved	Lead, Dissolved	Lithium, Dissolved	Magnesium, Dissolved	Manganese, Dissolved	Mercury, Dissolved	Molybdenum, Dissolved	Nickel, Dissolved	Phosphorus, Dissolved	Potassium, Dissolved
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Creek 661 (<i>cont'd</i>)	661-04	Primary	VA25A4183-004	2025-02-24	11.4	0.00053	<0.00010	<0.00020	0.022	<0.000050	<0.0010	2.68	0.00752	<0.0000050	0.000671	<0.00050	<0.050	0.597
	661-04	Primary	VA25A5225-001	2025-03-07	11.2	<0.00050	<0.00010	0.00023	0.055	<0.000050	<0.0010	2.91	0.00729	<0.0000050	0.000631	<0.00050	<0.050	0.628
	661-04	Primary	VA25A8451-001	2025-04-14	8.15	<0.00050	<0.00010	0.00042	0.141	0.000112	<0.0010	2.01	0.00712	<0.0000050	0.000336	<0.00050	<0.050	0.869
	661-04	Primary	VA25B0438-001	2025-05-05	4.84	<0.00050	<0.00010	0.00063	0.092	<0.000050	<0.0010	1.09	0.00348	0.0000054	0.000216	<0.00050	<0.050	0.623
	661-04	Primary	VA25B5932-001	2025-06-27	7.08	<0.00050	<0.00010	0.00046	0.076	<0.000050	<0.0010	1.68	0.00889	<0.0000050	0.000395	<0.00050	<0.050	0.463
	661-04	Primary	VA25B7427-009	2025-07-14	8.84	<0.00050	<0.00010	0.00034	0.091	0.000073	<0.0010	2.06	0.0111	<0.0000050	0.000549	<0.00050	<0.050	0.446
	661-04	Primary	VA25C0216-003	2025-08-11	11.4	<0.00050	<0.00010	<0.00020	0.057	<0.000050	<0.0010	2.98	0.0159	<0.0000050	0.000849	<0.00050	<0.050	0.493
	661-04	Primary	VA25C4967-005	2025-09-17	13.0	<0.00050	<0.00010	0.00020	0.051	<0.000050	<0.0010	3.02	0.0122	<0.0000050	0.000946	<0.00050	<0.050	0.712
	661-04	Primary	VA25C7416-002	2025-10-13	10.9	<0.00050	<0.00010	<0.00020	0.050	<0.000050	<0.0010	2.62	0.0124	<0.0000050	0.000577	<0.00050	<0.050	0.595
	661-04	Primary	VA25D1159-004	2025-11-18	10.6	<0.00050	<0.00010	0.00020	0.054	<0.000050	<0.0010	2.71	0.0134	<0.0000050	0.000570	<0.00050	<0.050	0.612
	661-04	Primary	VA25D3210-001	2025-12-09	11.3	<0.00050	<0.00010	<0.00020	0.050	<0.000050	<0.0010	3.02	0.0136	<0.0000050	0.000671	<0.00050	<0.050	0.595
	661-04	Duplicate	VA25A1481-003	2025-01-20	10.8	<0.00050	<0.00010	<0.00020	0.031	<0.000050	<0.0010	2.50	0.00653	<0.0000050	0.000595	<0.00050	<0.050	0.601
	661-04	Duplicate	VA25A8451-002	2025-04-14	7.96	<0.00050	<0.00010	0.00046	0.136	0.000093	<0.0010	2.07	0.00666	0.0000062	0.000335	<0.00050	<0.050	0.879
	661-04	Duplicate	VA25B5932-002	2025-06-27	7.28	<0.00050	<0.00010	0.00045	0.089	0.000062	<0.0010	1.68	0.00908	<0.0000050	0.000434	<0.00050	<0.050	0.469
	661-04	Duplicate	VA25C4967-006	2025-09-17	13.0	<0.00050	<0.00010	<0.00020	0.054	<0.000050	<0.0010	3.07	0.0126	<0.0000050	0.000937	<0.00050	<0.050	0.728
	661-05	Primary	VA25A0964-002	2025-01-13	11.8	0.00075	<0.00010	<0.00020	0.060	<0.000050	<0.0010	2.81	0.00496	<0.0000050	0.000750	<0.00050	<0.050	0.548
	661-05	Primary	VA25A4211-002	2025-02-18	12.5	0.00078	<0.00010	<0.00020	0.040	<0.000050	<0.0010	3.37	0.00661	<0.0000050	0.000827	<0.00050	<0.050	0.560
	661-05	Primary	VA25A5225-002	2025-03-07	12.6	0.00076	<0.00010	<0.00020	0.054	<0.000050	<0.0010	3.28	0.00464	<0.0000050	0.000896	<0.00050	<0.050	0.580
	661-05	Primary	VA25A8806-001	2025-04-15	8.23	<0.00050	<0.00010	0.00042	0.093	<0.000050	<0.0010	1.86	0.00155	<0.0000050	0.000433	<0.00050	<0.050	0.680
	661-05	Primary	VA25B0343-006	2025-05-04	7.16	0.00062	<0.00010	0.00057	0.150	0.000056	<0.0010	1.70	0.00530	<0.0000050	0.000360	<0.00050	<0.050	0.568
	661-05	Primary	VA25B5932-003	2025-06-27	10.1	0.00056	<0.00010	0.00036	0.101	<0.000050	<0.0010	2.31	0.00682	<0.0000050	0.000631	<0.00050	<0.050	0.490
	661-05	Primary	VA25B6851-001	2025-07-08	11.6	0.00063	<0.00010	0.00023	0.080	<0.000050	<0.0010	2.70	0.00811	<0.0000050	0.000725	<0.00050	<0.050	0.491
	661-05	Primary	VA25C0216-001	2025-08-11	12.9	0.00068	<0.00010	<0.00020	0.078	<0.000050	<0.0010	3.31	0.00976	<0.0000050	0.000869	<0.00050	<0.050	0.552
	661-05	Primary	VA25C3886-001	2025-09-10	14.5	0.00072	<0.00010	<0.00020	0.066	<0.000050	<0.0010	3.66	0.0118	<0.0000050	0.000943	<0.00050	0.052	0.624
	661-05	Primary	VA25C8345-001	2025-10-21	12.5	0.00071	<0.00010	<0.00020	0.067	<0.000050	<0.0010	3.21	0.00705	<0.0000050	0.000833	<0.00050	0.056	0.607
	661-05	Primary	VA25D0570-003	2025-11-12	13.1	0.00074	<0.00010	<0.00020	0.084	<0.000050	<0.0010	3.08	0.00646	<0.0000050	0.000779	<0.00050	<0.050	0.584
	661-05	Primary	VA25D3210-002	2025-12-09	12.3	0.00073	<0.00010	<0.00020	0.050	<0.000050	<0.0010	3.32	0.00641	<0.0000050	0.000895	<0.00050	<0.050	0.567
	661-05	Duplicate	VA25A0964-003	2025-01-13	11.2	0.00067	<0.00010	<0.00020	0.061	<0.000050	<0.0010	2.80	0.00504	<0.0000050	0.000745	<0.00050	<0.050	0.516
	661-10	Primary	VA25A0356-002	2025-01-06	10.4	<0.00050	<0.00010	0.00024	0.111	<0.000050	<0.0010	2.39	0.0118	<0.0000050	0.000507	<0.00050	<0.050	0.449
	661-10	Primary	VA25A4211-001	2025-02-18	10.1	<0.00050	0.00011	0.00087	0.256	<0.000050	<0.0010	2.76	0.0345	<0.0000050	0.000516	<0.00050	<0.050	0.800
	661-10	Primary	VA25A5381-001	2025-03-10	10.3	<0.00050	<0.00010	0.00024	0.114	<0.000050	<0.0010	2.64	0.0170	<0.0000050	0.000573	<0.00050	<0.050	0.571
	661-10	Primary	VA25A8806-003	2025-04-15	7.60	<0.00050	<0.00010	0.00072	0.258	0.000093	<0.0010	1.87	0.0141	0.0000057	0.000275	<0.00050	<0.050	0.713
	661-10	Primary	VA25B0343-007	2025-05-04	3.72	<0.00050	<0.00010	0.00073	0.195	<0.000050	<0.0010	0.936	0.00793	0.0000070	0.000154	<0.00050	<0.050	0.423
	661-10	Primary	VA25B0962-007	2025-05-11	3.60	<0.00050	<0.00010	0.00065	0.130	<0.000050	<0.0010	0.904	0.00354	<0.0000050	0.000154	<0.00050	<0.050	0.344
	661-10	Primary	VA25B1482-004	2025-05-14	3.42	<0.00050	<0.00010	0.00068	0.138	<0.000050	<0.0010	0.909	0.00366	<0.0000050	0.			

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Dissolved Metals (<i>cont'd</i>)													
					Calcium, Dissolved	Chromium, Dissolved	Cobalt, Dissolved	Copper, Dissolved	Iron, Dissolved	Lead, Dissolved	Lithium, Dissolved	Magnesium, Dissolved	Manganese, Dissolved	Mercury, Dissolved	Molybdenum, Dissolved	Nickel, Dissolved	Phosphorus, Dissolved	Potassium, Dissolved
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Creek 661 (<i>cont'd</i>)	661-20	Primary	VA25D0189-004	2025-11-10	17.9	<0.00050	<0.00010	<0.00020	0.074	<0.000050	<0.0010	5.53	0.00306	<0.0000050	0.000919	<0.00050	<0.050	0.810
	661-20	Duplicate	VA25D0189-005	2025-11-10	18.6	<0.00050	<0.00010	<0.00020	0.080	<0.000050	<0.0010	5.59	0.00320	<0.0000050	0.000909	<0.00050	<0.050	0.792
Turtle Creek	TC-01	Primary	VA25A1845-005	2025-01-26	32.2	<0.00050	<0.00010	<0.00020	0.026	<0.000050	<0.0010	4.23	0.0137	<0.0000050	0.000384	<0.00050	<0.050	0.728
	TC-01	Primary	VA25A5560-004	2025-03-11	31.1	<0.00050	<0.00010	<0.00020	0.148	<0.000050	<0.0010	4.32	0.0105	<0.0000050	0.000409	<0.00050	<0.050	0.610
	TC-01	Primary	VA25A8058-006	2025-04-09	32.7	<0.00050	<0.00010	<0.00020	0.019	<0.000050	<0.0010	4.34	0.00726	<0.0000050	0.000388	<0.00050	<0.050	0.673
	TC-01	Primary	VA25B1312-001	2025-05-13	30.0	<0.00050	<0.00010	<0.00020	0.035	<0.000050	<0.0010	3.83	0.0139	<0.0000050	0.000406	<0.00050	<0.050	0.664
	TC-01	Primary	VA25B5722-005	2025-06-23	30.9	<0.00050	<0.00010	0.00026	0.049	<0.000050	<0.0010	3.75	0.0147	<0.0000050	0.00102	<0.00050	<0.050	0.669
	TC-01	Primary	VA25B6834-005	2025-07-07	28.4	<0.00050	<0.00010	0.00026	0.056	<0.000050	<0.0010	3.68	0.0170	<0.0000050	0.000814	<0.00050	<0.050	0.669
	TC-01	Primary	VA25B9366-001	2025-08-04	28.9	<0.00050	<0.00010	<0.00020	0.054	<0.000050	<0.0010	4.11	0.0164	<0.0000050	0.000558	<0.00050	<0.050	0.668
	TC-01	Primary	VA25C4967-003	2025-09-17	34.9	<0.00050	<0.00010	<0.00020	0.073	<0.000050	<0.0010	4.37	0.0324	<0.0000050	0.000380	<0.00050	<0.050	0.847
	TC-01	Primary	VA25C8358-006	2025-10-20	32.8	<0.00050	<0.00010	<0.00020	0.046	<0.000050	<0.0010	4.14	0.0149	<0.0000050	0.000367	<0.00050	<0.050	0.677
	TC-01	Primary	VA25D1976-007	2025-11-26	31.7	<0.00050	<0.00010	<0.00020	0.016	<0.000050	<0.0010	4.13	0.00399	<0.0000050	0.000403	<0.00050	<0.050	0.631
	TC-01	Primary	VA25D3939-001	2025-12-17	32.7	<0.00050	<0.00010	<0.00020	0.053	<0.000050	<0.0010	4.75	0.0111	<0.0000050	0.000387	<0.00050	<0.050	0.729
	TC-05	Primary	VA25A1845-004	2025-01-26	26.6	<0.00050	<0.00010	<0.00020	0.212	<0.000050	<0.0010	5.33	0.0187	<0.0000050	0.000722	<0.00050	<0.050	0.961
	TC-05	Primary	VA25A4183-001	2025-02-24	31.9	<0.00050	<0.00010	<0.00020	0.261	<0.000050	<0.0010	6.65	0.0358	<0.0000050	0.000938	<0.00050	<0.050	1.11
	TC-05	Primary	VA25A5268-003	2025-03-09	28.2	<0.00050	<0.00010	0.00027	0.272	<0.000050	<0.0010	6.24	0.0261	<0.0000050	0.000838	<0.00050	<0.050	1.18
	TC-05	Primary	VA25A8058-005	2025-04-09	25.8	<0.00050	<0.00010	<0.00020	0.296	<0.000050	<0.0010	4.76	0.0214	<0.0000050	0.000577	<0.00050	<0.050	1.18
	TC-05	Primary	VA25B1312-002	2025-05-13	10.4	<0.00050	<0.00010	0.00059	0.148	<0.000050	<0.0010	1.84	0.00510	<0.0000050	0.000302	<0.00050	<0.050	0.547
	TC-05	Primary	VA25B5722-004	2025-06-23	22.7	<0.00050	<0.00010	0.00029	0.223	<0.000050	<0.0010	3.90	0.0301	<0.0000050	0.000632	<0.00050	<0.050	0.640
	TC-05	Primary	VA25B6834-004	2025-07-07	22.7	<0.00050	<0.00010	0.00026	0.275	<0.000050	<0.0010	4.20	0.0340	<0.0000050	0.000707	<0.00050	<0.050	0.606
	TC-05	Primary	VA25B9366-002	2025-08-04	25.0	<0.00050	<0.00010	0.00020	0.297	<0.000050	<0.0010	5.05	0.0292	<0.0000050	0.000721	<0.00050	<0.050	0.754
	TC-05	Primary	VA25C4967-004	2025-09-17	33.4	<0.00050	<0.00010	<0.00020	0.257	<0.000050	<0.0010	6.41	0.0246	<0.0000050	0.000889	<0.00050	<0.050	1.17
	TC-05	Primary	VA25C8346-001	2025-10-22	25.7	<0.00050	<0.00010	<0.00020	0.199	<0.000050	<0.0010	5.48	0.0251	<0.0000050	0.000599	<0.00050	<0.050	1.02
	TC-05	Primary	VA25D1976-006	2025-11-26	32.4	<0.00050	<0.00010	<0.00020	0.208	<0.000050	<0.0010	5.99	0.0291	<0.0000050	0.000741	<0.00050	<0.050	0.956
	TC-05	Primary	VA25D3939-002	2025-12-17	26.4	<0.00050	<0.00010	<0.00020	0.232	<0.000050	<0.0010	5.69	0.0201	<0.0000050	0.000582	<0.00050	<0.050	1.06
	TC-05	Duplicate	VA25B1312-003	2025-05-13	10.7	<0.00050	<0.00010	0.00059	0.142	<0.000050	<0.0010	1.84	0.00488	<0.0000050	0.000307	<0.00050	<0.050	0.545
	TC-10	Primary	VA25A2544-002	2025-02-03	31.5	<0.00050	<0.00010	<0.00020	0.215	<0.000050	<0.0010	6.17	0.0642	<0.0000050	0.000798	<0.00050	<0.050	1.11
	TC-10	Primary	VA25B1312-004	2025-05-13	13.9	<0.00050	<0.00010	0.00050	0.107	<0.000050	<0.0010	2.70	0.00728	<0.0000050	0.000499	<0.00050	<0.050	0.638
	TC-10	Primary	VA25B6834-006	2025-07-07	25.4	<0.00050	<0.00010	0.00027	0.211	<0.000050	<0.0010	5.10	0.0402	<0.0000050	0.000830	<0.00050	<0.050	0.604
	TC-10	Primary	VA25C3699-001	2025-09-09	32.3	<0.00050	<0.00010	0.00021	0.443	<0.000050	<0.0010	6.68	0.0446	<0.0000050	0.000857	<0.00050	<0.050	0.977
	TC-10	Primary	VA25C9690-004	2025-11-03	27.8	<0.00050	<0.00010	<0.00020	0.138	<0.000050	<0.0010	5.84	0.0332	<0.0000050	0.000837	<0.00050	<0.050	1.21
	TC-15	Primary	VA25B1312-005	2025-05-13	15.1	<0.00050	<0.00010	0.00032	0.044	<0.000050	<0.0010	3.12	0.00092	<0.0000050	0.000516	<0.00050	<0.050	0.748
Chedakuz Creek	CC-03	Primary	VA25A0356-004	2025-01-06	34.0	<0.00050	<0.00010	<0.00020	0.047	<0.000050	<0.0010	10.0	0.00679	<0.0000050	0.000900	<0.00050	<0.050	1.31
	CC-03	Primary	VA25A4598-002	2025-02-28	28.4	<0.00050	<0.00010	<0.00020	0.042	<0.000050	<0.0010	8.94	0.00978	<0.0000050	0.000708	<0.00050	<0.050	1.48
	CC-03	Primary	VA25A5381-002	2025-03-10	26.6	<0.00050	<0.00010	<0.00020	0.035	<0.000050	<0.0010	8.62	0.00662	<0.0000050				

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Dissolved Metals (<i>cont'd</i>)													
					Calcium, Dissolved	Chromium, Dissolved	Cobalt, Dissolved	Copper, Dissolved	Iron, Dissolved	Lead, Dissolved	Lithium, Dissolved	Magnesium, Dissolved	Manganese, Dissolved	Mercury, Dissolved	Molybdenum, Dissolved	Nickel, Dissolved	Phosphorus, Dissolved	Potassium, Dissolved
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Chedakuz Creek (<i>cont'd</i>)	CC-03	Duplicate	VA25B0962-008	2025-05-11	15.9	<0.00050	<0.00010	0.00030	0.049	<0.000050	<0.0010	4.52	0.00618	<0.0000050	0.000597	<0.00050	<0.050	0.753
	CC-03	Duplicate	VA25B5529-002	2025-06-24	25.2	<0.00050	<0.00010	0.00032	0.079	<0.000050	<0.0010	6.37	0.0182	<0.0000050	0.000854	<0.00050	<0.050	0.886
	CC-03	Duplicate	VA25C8919-004	2025-10-26	30.2	<0.00050	<0.00010	<0.00020	0.066	<0.000050	<0.0010	8.09	0.00576	<0.0000050	0.000845	<0.00050	<0.050	1.19
	CC-03	Duplicate	VA25D4214-003	2025-12-26	33.9	<0.00050	<0.00010	<0.00020	0.089	<0.000050	<0.0010	9.48	0.00770	<0.0000050	0.000894	<0.00050	<0.050	1.18
	CC-05	Primary	VA25A4598-003	2025-02-28	25.0	<0.00050	<0.00010	<0.00020	0.061	<0.000050	<0.0010	7.82	0.0134	<0.0000050	0.000743	<0.00050	<0.050	1.30
	CC-05	Primary	VA25B0343-002	2025-05-04	10.1	<0.00050	<0.00010	0.00071	0.123	<0.000050	<0.0010	2.84	0.00591	<0.0000050	0.000459	<0.00050	<0.050	0.675
	CC-05	Primary	VA25B7427-004	2025-07-14	24.7	<0.00050	<0.00010	0.00021	0.088	<0.000050	<0.0010	5.93	0.0113	<0.0000050	0.000858	<0.00050	<0.050	0.760
	CC-05	Primary	VA25D0189-007	2025-11-10	25.0	<0.00050	<0.00010	<0.00020	0.065	<0.000050	<0.0010	6.99	0.00752	<0.0000050	0.000786	<0.00050	<0.050	0.892
	CC-05	Duplicate	VA25A4598-004	2025-02-28	26.3	<0.00050	<0.00010	<0.00020	0.061	<0.000050	<0.0010	7.66	0.0133	<0.0000050	0.000777	<0.00050	<0.050	1.31
	CC-05	Duplicate	VA25B0343-003	2025-05-04	9.98	<0.00050	<0.00010	0.00066	0.121	<0.000050	<0.0010	2.79	0.00540	0.0000051	0.000441	<0.00050	<0.050	0.654
	CC-10	Primary	VA25A3507-005	2025-02-17	22.0	<0.00050	<0.00010	0.00026	<0.010	<0.000050	<0.0010	5.41	0.00169	<0.0000050	0.000635	<0.00050	<0.050	0.987
	CC-10	Primary	VA25B1482-006	2025-05-14	20.4	<0.00050	<0.00010	0.00020	<0.010	<0.000050	<0.0010	5.42	0.0301	<0.0000050	0.000557	<0.00050	<0.050	0.870
	CC-10	Primary	VA25B9374-003	2025-08-03	20.8	<0.00050	<0.00010	0.00030	<0.010	<0.000050	<0.0010	5.22	0.00881	<0.0000050	0.000621	<0.00050	<0.050	0.797
	CC-10	Primary	VA25D1976-005	2025-11-26	22.4	<0.00050	<0.00010	0.00021	0.012	<0.000050	<0.0010	5.16	0.00313	<0.0000050	0.000549	<0.00050	<0.050	0.844
	CC-15	Primary	VA25A0964-004	2025-01-13	20.1	<0.00050	<0.00010	0.00027	0.082	<0.000050	<0.0010	4.86	0.0159	<0.0000050	0.000618	<0.00050	<0.050	0.881
	CC-15	Primary	VA25A3507-003	2025-02-17	20.9	<0.00050	<0.00010	0.00028	0.068	<0.000050	<0.0010	5.06	0.0176	<0.0000050	0.000682	<0.00050	<0.050	0.968
	CC-15	Primary	VA25A5268-001	2025-03-09	19.9	<0.00050	<0.00010	0.00033	0.105	<0.000050	<0.0010	5.11	0.0299	<0.0000050	0.000735	<0.00050	<0.050	1.10
	CC-15	Primary	VA25A7310-001	2025-04-01	19.9	<0.00050	<0.00010	0.00039	0.088	<0.000050	<0.0010	4.85	0.0403	<0.0000050	0.000769	<0.00050	0.062	1.55
	CC-15	Primary	VA25B0438-004	2025-05-05	16.9	<0.00050	<0.00010	0.00042	0.053	<0.000050	<0.0010	4.24	0.0512	<0.0000050	0.000608	<0.00050	<0.050	0.978
	CC-15	Primary	VA25B1094-002	2025-05-12	17.4	<0.00050	<0.00010	0.00037	0.048	<0.000050	<0.0010	3.75	0.0127	<0.0000050	0.000578	<0.00050	<0.050	0.816
	CC-15	Primary	VA25B1721-003	2025-05-19	15.9	<0.00050	<0.00010	0.00055	0.086	<0.000050	<0.0010	3.38	0.0192	<0.0000050	0.000565	<0.00050	<0.050	0.981
	CC-15	Primary	VA25B2427-001	2025-05-26	17.6	<0.00050	<0.00010	0.00038	0.046	<0.000050	<0.0010	3.64	0.00982	<0.0000050	0.000614	<0.00050	<0.050	0.886
	CC-15	Primary	VA25B3822-001	2025-06-02	18.0	<0.00050	<0.00010	<0.00020	0.045	<0.000050	<0.0010	4.54	0.0116	<0.0000050	0.000573	<0.00050	<0.050	0.809
	CC-15	Primary	VA25B5722-002	2025-06-23	20.8	<0.00050	<0.00010	0.00037	0.080	<0.000050	<0.0010	4.23	0.0158	<0.0000050	0.000677	<0.00050	<0.050	0.814
	CC-15	Primary	VA25B6834-002	2025-07-07	18.4	<0.00050	<0.00010	0.00032	0.105	<0.000050	<0.0010	4.14	0.0167	<0.0000050	0.000677	<0.00050	<0.050	0.771
	CC-15	Primary	VA25B9366-003	2025-08-04	18.6	<0.00050	0.00012	0.00033	0.120	<0.000050	<0.0010	4.62	0.0202	<0.0000050	0.000758	<0.00050	<0.050	0.824
	CC-15	Primary	VA25C4967-007	2025-09-17	22.2	<0.00050	0.00027	0.00033	0.160	<0.000050	<0.0010	4.98	0.0165	<0.0000050	0.000762	<0.00050	<0.050	0.979
	CC-15	Primary	VA25C6908-002	2025-10-08	19.6	<0.00050	0.00013	0.00028	0.182	<0.000050	<0.0010	4.85	0.0192	<0.0000050	0.000618	<0.00050	<0.050	0.846
	CC-15	Primary	VA25C7563-002	2025-10-14	19.3	<0.00050	0.00012	0.00028	0.161	<0.000050	<0.0010	4.99	0.0216	<0.0000050	0.000677	<0.00050	<0.050	0.874
	CC-15	Primary	VA25C8358-003	2025-10-20	20.7	<0.00050	0.00013	0.00025	0.140	<0.000050	<0.0010	4.68	0.0247	<0.0000050	0.000612	<0.00050	<0.050	0.820
	CC-15	Primary	VA25C8919-009	2025-10-27	19.5	<0.00050	0.00015	0.00035	0.134	<0.000050	<0.0010	4.27	0.0189	<0.0000050	0.000651	<0.00050	<0.050	0.906
	CC-15	Primary	VA25C9101-003	2025-10-29	18.8	<0.00050	0.00015	0.00028	0.144	<0.000050	<0.0010	4.51	0.0213	<0.0000050	0.000651	<0.00050	<0.050	0.915
	CC-15	Primary	VA25D1976-002	2025-11-26	22.4	<0.00050	0.00012	0.00027	0.106	<0.000050	<0.0010	5.02	0.0224	<0.0000050	0.000613	<0.00050	<0.050	0.844
	CC-15	Primary	VA25D4214-008	2025-12-27	20.0	<0.00050	0.00011	0.00027	0.078	<0.000050	<0.0010	5.18	0.0170	<0.0000050	0.000628	<0.00050	<0.050	0.887
	CC-15	Duplicate	VA25A3507-004	2025-02-17	21.6	<0.00050	<0.00010	0.00026	0.070	<0.000050	<0.0010	5.09	0.0175	<0.0000050	0.000698	<0.00050	<0.050	0.960
	CC-15	Duplicate	VA25A5268-															

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Dissolved Metals (<i>cont'd</i>)													
					Calcium, Dissolved	Chromium, Dissolved	Cobalt, Dissolved	Copper, Dissolved	Iron, Dissolved	Lead, Dissolved	Lithium, Dissolved	Magnesium, Dissolved	Manganese, Dissolved	Mercury, Dissolved	Molybdenum, Dissolved	Nickel, Dissolved	Phosphorus, Dissolved	Potassium, Dissolved
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Chedakuz Creek (<i>cont'd</i>)	CC-20	Primary	VA25C6908-001	2025-10-08	20.3	<0.00050	0.00012	0.00036	0.163	<0.000050	<0.0010	4.92	0.0196	<0.0000050	0.000664	<0.00050	<0.050	0.858
	CC-20	Primary	VA25C7563-001	2025-10-14	20.7	<0.00050	0.00012	0.00032	0.169	<0.000050	<0.0010	5.21	0.0237	<0.0000050	0.000661	<0.00050	<0.050	0.859
	CC-20	Primary	VA25C8358-005	2025-10-20	20.7	<0.00050	0.00012	0.00033	0.146	<0.000050	<0.0010	4.90	0.0256	<0.0000050	0.000609	<0.00050	<0.050	0.858
	CC-20	Primary	VA25C8919-008	2025-10-27	19.0	<0.00050	0.00014	0.00034	0.124	<0.000050	<0.0010	4.56	0.0219	<0.0000050	0.000684	<0.00050	<0.050	0.911
	CC-20	Primary	VA25C9101-008	2025-10-29	18.7	<0.00050	0.00014	0.00033	0.126	<0.000050	<0.0010	4.34	0.0204	<0.0000050	0.000652	<0.00050	<0.050	0.862
	CC-20	Primary	VA25D1976-001	2025-11-26	22.2	<0.00050	<0.00010	0.00035	0.104	<0.000050	<0.0010	4.93	0.0276	<0.0000050	0.000633	<0.00050	<0.050	0.862
	CC-20	Primary	VA25D4214-007	2025-12-27	20.7	<0.00050	0.00011	0.00029	0.062	<0.000050	<0.0010	5.18	0.0176	<0.0000050	0.000614	<0.00050	<0.050	0.861
	CC-20	Duplicate	VA25A1845-003	2025-01-26	20.1	<0.00050	<0.00010	0.00031	0.079	<0.000050	<0.0010	4.94	0.0165	<0.0000050	0.000654	<0.00050	<0.050	0.959
	CC-20	Duplicate	VA25A8058-004	2025-04-09	18.9	<0.00050	<0.00010	0.00045	0.111	<0.000050	<0.0010	4.50	0.0421	<0.0000050	0.000664	<0.00050	<0.050	1.10
	CC-20	Duplicate	VA25B6834-007	2025-07-07	19.0	<0.00050	<0.00010	0.00034	0.105	<0.000050	<0.0010	4.34	0.0180	<0.0000050	0.000665	<0.00050	<0.050	0.791
	CC-30	Primary	VA25A5560-002	2025-03-11	22.0	<0.00050	<0.00010	0.00031	0.166	<0.000050	<0.0010	5.70	0.0186	<0.0000050	0.000821	<0.00050	<0.050	1.18
	CC-30	Primary	VA25A8058-002	2025-04-09	19.5	<0.00050	<0.00010	0.00041	0.211	<0.000050	<0.0010	4.69	0.0356	<0.0000050	0.000710	<0.00050	<0.050	1.33
	CC-30	Primary	VA25B7192-002	2025-07-13	20.4	<0.00050	<0.00010	0.00036	0.225	<0.000050	<0.0010	5.07	0.0541	<0.0000050	0.000760	<0.00050	<0.050	0.828
	CC-30	Primary	VA25C6737-003	2025-10-05	23.6	<0.00050	<0.00010	0.00023	0.382	<0.000050	<0.0010	5.48	0.0337	<0.0000050	0.000951	<0.00050	<0.050	1.03
	CC-30	Duplicate	VA25B7192-003	2025-07-13	20.0	<0.00050	<0.00010	0.00034	0.237	<0.000050	<0.0010	4.92	0.0536	<0.0000050	0.000776	<0.00050	<0.050	0.831
	CC-40	Primary	VA25A1845-001	2025-01-26	23.2	<0.00050	<0.00010	0.00028	0.195	<0.000050	<0.0010	6.18	0.0251	<0.0000050	0.000865	<0.00050	<0.050	1.08
	CC-40	Primary	VA25A3507-001	2025-02-17	24.6	<0.00050	<0.00010	0.00030	0.180	<0.000050	<0.0010	6.26	0.0323	<0.0000050	0.000923	<0.00050	<0.050	1.12
	CC-40	Primary	VA25A5560-003	2025-03-11	22.6	<0.00050	<0.00010	0.00030	0.228	<0.000050	<0.0010	6.13	0.0249	<0.0000050	0.000878	<0.00050	<0.050	1.27
	CC-40	Primary	VA25A8058-001	2025-04-09	19.6	<0.00050	<0.00010	0.00036	0.239	<0.000050	<0.0010	4.79	0.0345	<0.0000050	0.000700	<0.00050	<0.050	1.26
	CC-40	Primary	VA25B0438-006	2025-05-05	15.0	<0.00050	<0.00010	0.00048	0.122	<0.000050	<0.0010	3.84	0.0159	<0.0000050	0.000550	<0.00050	<0.050	0.937
	CC-40	Primary	VA25B1094-003	2025-05-12	16.5	<0.00050	<0.00010	0.00042	0.091	<0.000050	<0.0010	3.74	0.0158	<0.0000050	0.000583	<0.00050	<0.050	0.789
	CC-40	Primary	VA25B1721-001	2025-05-19	14.3	<0.00050	<0.00010	0.00054	0.131	<0.000050	<0.0010	3.25	0.0412	0.0000052	0.000501	<0.00050	<0.050	0.901
	CC-40	Primary	VA25B2427-003	2025-05-26	16.6	<0.00050	<0.00010	0.00044	0.081	<0.000050	<0.0010	3.56	0.0173	<0.0000050	0.000598	<0.00050	<0.050	0.859
	CC-40	Primary	VA25B3822-003	2025-06-02	17.6	<0.00050	<0.00010	0.00025	0.085	<0.000050	<0.0010	4.45	0.0292	<0.0000050	0.000582	<0.00050	<0.050	0.762
	CC-40	Primary	VA25B5256-001	2025-06-22	20.4	<0.00050	<0.00010	0.00044	0.152	<0.000050	<0.0010	4.67	0.0426	<0.0000050	0.000821	<0.00050	<0.050	0.905
	CC-40	Primary	VA25B7192-001	2025-07-13	20.2	<0.00050	<0.00010	0.00038	0.221	<0.000050	<0.0010	5.21	0.0458	<0.0000050	0.000793	<0.00050	<0.050	0.879
	CC-40	Primary	VA25B9374-001	2025-08-03	23.9	<0.00050	<0.00010	0.00039	0.270	<0.000050	<0.0010	6.18	0.0360	<0.0000050	0.00120	<0.00050	<0.050	1.07
	CC-40	Primary	VA25C4967-009	2025-09-17	25.8	<0.00050	0.00012	0.00029	0.334	<0.000050	<0.0010	6.63	0.0286	<0.0000050	0.00125	<0.00050	<0.050	1.29
	CC-40	Primary	VA25C6737-001	2025-10-05	25.5	<0.00050	<0.00010	0.00024	0.377	<0.000050	<0.0010	6.28	0.0255	<0.0000050	0.00105	<0.00050	<0.050	1.13
	CC-40	Primary	VA25C7563-004	2025-10-14	24.7	<0.00050	<0.00010	0.00026	0.440	<0.000050	<0.0010	6.71	0.0294	<0.0000050	0.00106	<0.00050	<0.050	1.03
	CC-40	Primary	VA25C8358-001	2025-10-20	25.4	<0.00050	<0.00010	0.00025	0.401	<0.000050	<0.0010	6.19	0.0262	<0.0000050	0.000982	<0.00050	<0.050	1.00
	CC-40	Primary	VA25C8919-007	2025-10-27	22.4	<0.00050	<0.00010	0.00027	0.358	<0.000050	<0.0010	5.99	0.0248	<0.0000050	0.000939	<0.00050	<0.050	1.13
	CC-40	Primary	VA25C9101-001	2025-10-29	21.4	<0.00050	0.00012	0.00024	0.379	<0.000050	<0.0010	5.89	0.0271	<0.0000050	0.000922	<0.00050	<0.050	1.09
	CC-40	Primary	VA25D1004-001	2025-11-17	21.6	<0.00050	<0.00010	0.00025	0.343	<0.000050	<0.0010	6.22	0.0270	<0.0000050	0.000835	<0.00050	<0.050	0.950
	CC-40	Primary	VA25D4214-006	2025-12-27	23.5	<0.00050	<0.00010	0.00028	0.170	<0.000050	<0.0010	6.15	0.0283	<0.0000050	0.000739	<0.00050	<0.050	0.954
	CC-40	Duplicate	VA25B5256-002	2025-06-22	20.1	<0.												

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Dissolved Metals (<i>cont'd</i>)													
					Calcium, Dissolved	Chromium, Dissolved	Cobalt, Dissolved	Copper, Dissolved	Iron, Dissolved	Lead, Dissolved	Lithium, Dissolved	Magnesium, Dissolved	Manganese, Dissolved	Mercury, Dissolved	Molybdenum, Dissolved	Nickel, Dissolved	Phosphorus, Dissolved	Potassium, Dissolved
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Creek 705 (<i>cont'd</i>)	705-05	Duplicate	VA25B0438-008	2025-05-05	5.05	<0.00050	<0.00010	0.00043	0.106	<0.000050	<0.0010	0.770	0.00400	<0.0000050	0.000293	<0.00050	<0.050	0.432
	705-10	Primary	VA25A0226-002	2025-01-05	8.05	0.00050	<0.00010	0.00052	0.081	<0.000050	<0.0010	1.48	0.00177	<0.0000050	0.000465	<0.00050	<0.050	0.367
	705-10	Primary	VA25A2544-003	2025-02-03	9.05	<0.00050	<0.00010	0.00030	0.076	<0.000050	<0.0010	1.54	0.00110	<0.0000050	0.000505	<0.00050	<0.050	0.373
	705-10	Primary	VA25A5321-001	2025-03-05	8.75	<0.00050	<0.00010	0.00039	0.087	<0.000050	<0.0010	1.69	0.00203	<0.0000050	0.000476	<0.00050	<0.050	0.402
	705-10	Primary	VA25A7634-001	2025-04-03	8.52	<0.00050	<0.00010	0.00048	0.162	<0.000050	<0.0010	1.58	0.00285	<0.0000050	0.000409	<0.00050	<0.050	0.483
	705-10	Primary	VA25B0438-003	2025-05-05	5.76	<0.00050	<0.00010	0.00061	0.117	<0.000050	<0.0010	0.990	0.00176	0.0000063	0.000274	<0.00050	<0.050	0.392
	705-10	Primary	VA25B1094-007	2025-05-12	5.92	<0.00050	<0.00010	0.00056	0.109	<0.000050	<0.0010	0.947	0.00144	<0.0000050	0.000256	<0.00050	<0.050	0.320
	705-10	Primary	VA25B1721-004	2025-05-19	5.62	<0.00050	<0.00010	0.00079	0.141	<0.000050	<0.0010	0.965	0.00244	0.0000162	0.000205	<0.00050	<0.050	0.360
	705-10	Primary	VA25B2427-004	2025-05-26	6.12	<0.00050	<0.00010	0.00059	0.084	<0.000050	<0.0010	0.978	0.00127	0.0000060	0.000309	<0.00050	<0.050	0.312
	705-10	Primary	VA25B3822-004	2025-06-02	6.11	<0.00050	<0.00010	0.00039	0.065	<0.000050	<0.0010	1.11	0.00155	0.0000075	0.000325	<0.00050	<0.050	0.300
	705-10	Primary	VA25B5784-001	2025-06-25	7.51	<0.00050	<0.00010	0.00057	0.083	<0.000050	<0.0010	1.34	0.00190	<0.0000050	0.000378	<0.00050	<0.050	0.309
	705-10	Primary	VA25B7427-007	2025-07-14	7.77	<0.00050	<0.00010	0.00043	0.116	<0.000050	<0.0010	1.32	0.00220	<0.0000050	0.000442	<0.00050	<0.050	0.314
	705-10	Primary	VA25B9438-002	2025-08-04	9.27	<0.00050	<0.00010	0.00034	0.114	<0.000050	<0.0010	1.64	0.00226	<0.0000050	0.000512	<0.00050	<0.050	0.362
	705-10	Primary	VA25C3699-002	2025-09-09	11.2	<0.00050	<0.00010	0.00034	0.019	<0.000050	<0.0010	2.02	0.00248	<0.0000050	0.000518	<0.00050	<0.050	0.468
	705-10	Primary	VA25C7355-001	2025-10-07	10.7	<0.00050	<0.00010	0.00040	0.057	<0.000050	<0.0010	1.91	0.00116	<0.0000050	0.000507	<0.00050	<0.050	0.400
	705-10	Primary	VA25C7563-008	2025-10-14	10.6	<0.00050	<0.00010	0.00025	0.048	<0.000050	<0.0010	2.04	0.00100	<0.0000050	0.000476	<0.00050	<0.050	0.383
	705-10	Primary	VA25C8047-007	2025-10-18	10.4	<0.00050	<0.00010	0.00024	0.045	<0.000050	<0.0010	1.94	0.00100	<0.0000050	0.000522	<0.00050	<0.050	0.392
	705-10	Primary	VA25C8919-005	2025-10-26	8.30	<0.00050	<0.00010	0.00031	0.150	<0.000050	<0.0010	1.60	0.00151	<0.0000050	0.000423	<0.00050	<0.050	0.426
	705-10	Primary	VA25C9101-005	2025-10-29	8.34	<0.00050	<0.00010	0.00034	0.136	<0.000050	<0.0010	1.59	0.00152	<0.0000050	0.000437	<0.00050	<0.050	0.408
	705-10	Primary	VA25C9690-001	2025-11-02	9.55	<0.00050	<0.00010	0.00029	0.079	<0.000050	<0.0010	1.69	0.00114	<0.0000050	0.000441	<0.00050	<0.050	0.403
	705-10	Primary	VA25D3069-001	2025-12-08	8.41	<0.00050	<0.00010	0.00028	0.125	0.000054	<0.0010	1.54	0.00116	<0.0000050	0.000507	<0.00050	<0.050	0.392
	705-10	Duplicate	VA25A5321-002	2025-03-05	8.74	<0.00050	<0.00010	0.00036	0.086	<0.000050	<0.0010	1.64	0.00188	<0.0000050	0.000473	<0.00050	<0.050	0.396
	705-10	Duplicate	VA25B1721-005	2025-05-19	5.81	<0.00050	<0.00010	0.00080	0.135	<0.000050	<0.0010	0.955	0.00222	0.0000152	0.000208	<0.00050	<0.050	0.357
	705-10	Duplicate	VA25C3699-003	2025-09-09	11.3	<0.00050	<0.00010	0.00034	0.019	<0.000050	<0.0010	2.06	0.00234	<0.0000050	0.000529	<0.00050	<0.050	0.479
	705-10	Duplicate	VA25C7355-002	2025-10-07	10.4	<0.00050	<0.00010	0.00026	0.056	<0.000050	<0.0010	1.93	0.00116	<0.0000050	0.000490	<0.00050	<0.050	0.402
	705-10	Duplicate	VA25C9690-002	2025-11-02	9.73	<0.00050	<0.00010	0.00034	0.083	<0.000050	<0.0010	1.71	0.00146	<0.0000050	0.000540	<0.00050	<0.050	0.418
Fawnie Creek	FC-01	Primary	VA25A0226-001	2025-01-05	10.0	<0.00050	<0.00010	0.00026	<0.010	<0.000050	<0.0010	1.05	<0.00010	<0.0000050	0.000596	<0.00050	<0.050	0.330
	FC-01	Primary	VA25A2544-001	2025-02-03	11.3	<0.00050	<0.00010	<0.00020	<0.010	<0.000050	<0.0010	1.20	<0.00010	<0.0000050	0.000698	<0.00050	<0.050	0.361
	FC-01	Primary	VA25A6295-001	2025-03-19	12.4	<0.00050	<0.00010	<0.00020	<0.010	<0.000050	<0.0010	1.33	<0.00010	<0.0000050	0.000801	<0.00050	<0.050	0.382
	FC-01	Primary	VA25A7634-002	2025-04-03	12.2	<0.00050	<0.00010	<0.00020	<0.010	<0.000050	<0.0010	1.31	0.00012	<0.0000050	0.000848	<0.00050	<0.050	0.378
	FC-01	Primary	VA25B0438-007	2025-05-05	6.70	<0.00050	<0.00010	0.00064	0.047	<0.000050	<0.0010	0.689	0.00072	<0.0000050	0.000286	<0.00050	<0.050	0.324
	FC-01	Primary	VA25B1094-006	2025-05-12	6.70	<0.00050	<0.00010	0.00054	0.034	<0.000050	<0.0010	0.620	0.00044	<0.0000050	0.000266	<0.00050	<0.050	0.277
	FC-01	Primary	VA25B1721-006	2025-05-19	5.43	<0.00050	<0.00010	0.00062	0.054	<0.000050	<0.0010	0.489	0.00090	0.0000095	0.000183	<0.00050	<0.050	0.280
	FC-01	Primary	VA25B2427-005	2025-05-26	5.57	<0.00050	<0.00010	0.00052	0.036	<0.000050	<0.0010	0.453	0.00048	<0.0000050	0.000204	<0.00050	<0.050	0.238
	FC-01	Primary	VA25B3822-005	2025-06-02	5.13	<0.00050	<0.00010	0.00033	0.021	<0.000050	<0.0010	0.494	0.00035	0.0000055	0.000197	<0.00050	<0.050	0.258
	FC-01	Primary	VA25B5629-001	2025-06-23	6.68	<0.00050	<0.00010	0.00051	0.014	<0.000050	<0.0010	0.595	0.00033	<0.0000050	0.000269	<0.00050	<0.050	0.272
	FC-01	Primary	VA25B7427-006	2025-07-14	8.02	<0.00050	<0.00010	0.00038	<0.010	<0.000050	<0.0010	0.701	0.00016	<0.0000050	0.000335	<0.00050	<0.050	0.282
	FC-01	Primary	VA25B9438-003	2025-08-04	8.80	<0.00050	<0.00010	0.00034	<0.010	<0.000050	<0.0010	0.866	0.00023	<0.0000050	0.000462	<0.00050	<0.050	0.333
	FC-01	Primary	VA25C5489-001	2025-09-23	11.9	<0.00050	<0.00010	0.00022	<0.010	<0.000050	<0.0010	1.18	0.00011	<0.0000050	0.000704	<0.00050	<0.050	0.424
	FC-01	Primary	VA25C7355-003	2025-10-07	10.9	<0.00050	<0.00010	0.00029	<0.010	<0.000050	<0.0010	1.08	0.00011	<0.0000050	0.000607	<0.00050	<0.050	0.348
	FC-01	Primary	VA25C7563-007	2025-10-14	11.0	<0.00050	<0.00010	0.00023	<0.010	<0.000050	<0.0010	1.23	0.00014	<0.0000050	0.000679	<0.00050	<0.050	0.353
	FC-01	Primary	VA25C8047-006	2025-10-18	11.7	<0.00050	<0.00010	0.00023	<0.010	<0.000050	<0.0010	1.18	0.00018	<0.0000050	0.000735	<0.00050	<0.050	0.356
	FC-01	Primary	VA25C8919-006	2025-10-27	10.4	<0.00050	<0.00010	0.00034	<0.010	<0.000050	<0.0010	1.09	<0.00010	<0.0000050	0.000577	<0.00050	<0.050	0.345
	FC-01	Primary	VA25C9101-004	2025-10-29	9.61	<0.00050	<0.00010	0.00024	<0.010	<0.000050	<0.0010	1.11	0.00019	<0.0000050	0.000606	<0.00050	<0.050	0.338
	FC-01	Primary	VA25C9690-003	2025-11-02	10.4	<0.00050	<0.00010	0.00026	<0.010	<0.000050	<0.0010	1.14	0.00014	<0.0000050	0.000625	<0.00050	<0.050	0.340
	FC-01	Primary	VA25D3069-002	2025-12-08	11.1	<0.00050	<0.00010	<0.00020	<0.010	<0.000050	<0.0010	1.22	<0.00010	<0.0000050	0.000744	<0.00050	<0.050	0.354
	FC-01	Duplicate	VA25A6295-002	2025-03-19	12.9	<0.00050	<0.00010	<0.00020	<0.010	<0.000050	<0.0010	1.36	<0.00010	<0.0000050	0.000850	<0.00050	<0.050	0.395

Notes:
'-' indicates parameter was not analyzed.
'<' indicates value was below the detection limit.

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Dissolved Metals (<i>cont'd</i>)												Anions / Nutrients	
					Selenium, Dissolved	Silicon, Dissolved	Silver, Dissolved	Sodium, Dissolved	Strontium, Dissolved	Sulfur, Dissolved	Thallium, Dissolved	Tin, Dissolved	Titanium, Dissolved	Uranium, Dissolved	Vanadium, Dissolved	Zinc, Dissolved	Ammonia, Total (as N)	Bromide
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Davidson Creek	DC-05	Primary	VA25A0824-004	2025-01-12	<0.000050	6.84	<0.000010	3.01	0.0786	0.78	<0.000010	<0.00010	0.00097	0.000200	<0.00050	<0.0010	<0.0050	<0.050
	DC-05	Primary	VA25A2544-005	2025-02-03	0.000074	6.57	<0.000010	3.57	0.102	1.07	<0.000010	<0.00010	0.00059	0.000282	<0.00050	0.0053	<0.0050	<0.050
	DC-05	Primary	VA25A6706-002	2025-03-25	0.000100	6.32	<0.000010	3.74	0.111	1.17	<0.000010	<0.00010	0.00088	0.000426	<0.00050	<0.0010	<0.0050	<0.050
	DC-05	Primary	VA25A7611-001	2025-04-04	0.000057	6.14	<0.000010	3.32	0.103	0.63	<0.000010	<0.00010	0.00146	0.000253	<0.00050	<0.0010	<0.0050	<0.050
	DC-05	Primary	VA25B0343-008	2025-05-04	<0.000050	4.46	<0.000010	1.92	0.0372	<0.50	<0.000010	<0.00010	0.00243	0.000105	<0.00050	0.0010	<0.0050	<0.050
	DC-05	Primary	VA25B0962-003	2025-05-11	0.000051	4.56	<0.000010	1.86	0.0368	<0.50	<0.000010	<0.00010	0.00259	0.000133	<0.00050	<0.0010	0.0132	<0.050
	DC-05	Primary	VA25B1482-007	2025-05-14	<0.000050	4.31	<0.000010	1.93	0.0357	<0.50	<0.000010	<0.00010	0.00223	0.000141	<0.00050	<0.0010	<0.0050	<0.050
	DC-05	Primary	VA25B2274-005	2025-05-25	0.000054	4.19	<0.000010	1.86	0.0363	<0.50	<0.000010	<0.00010	0.00223	0.000145	<0.00050	0.0011	<0.0050	<0.050
	DC-05	Primary	VA25B2953-004	2025-06-01	<0.000050	4.04	<0.000010	1.84	0.0363	<0.50	<0.000010	<0.00010	0.00182	0.000195	<0.00050	<0.0010	<0.0050	<0.050
	DC-05	Primary	VA25B5984-001	2025-06-29	0.000061	4.78	<0.000010	2.23	0.0487	<0.50	<0.000010	<0.00010	0.00397	0.000141	0.00055	0.0025	0.0096	<0.050
	DC-05	Primary	VA25B6851-002	2025-07-08	0.000050	5.58	<0.000010	2.79	0.0826	1.11	<0.000010	<0.00010	0.00237	0.000202	<0.00050	0.0013	0.0142	<0.050
	DC-05	Primary	VA25C0003-001	2025-08-10	0.000076	5.22	<0.000010	3.47	0.0902	1.35	<0.000010	<0.00010	0.00189	0.000288	0.00062	0.0013	0.0176	<0.050
	DC-05	Primary	VA25C5489-003	2025-09-23	<0.000050	4.82	<0.000010	3.16	0.0899	1.00	<0.000010	<0.00010	<0.00030	0.000126	<0.00050	0.0013	0.0088	<0.050
	DC-05	Primary	VA25C7355-004	2025-10-07	<0.000050	5.03	<0.000010	2.91	0.0722	1.35	<0.000010	<0.00010	0.00181	0.000180	<0.00050	0.0011	0.0085	<0.050
	DC-05	Primary	VA25C7563-005	2025-10-14	<0.000050	5.09	<0.000010	3.01	0.0806	1.37	<0.000010	<0.00010	0.00040	0.000172	<0.00050	0.0012	0.0078	<0.050
	DC-05	Primary	VA25C8047-004	2025-10-18	0.000053	5.48	<0.000010	3.17	0.0931	1.55	<0.000010	<0.00010	0.00065	0.000202	<0.00050	0.0014	0.0073	<0.050
	DC-05	Primary	VA25C9101-010	2025-10-29	0.000076	5.12	<0.000010	2.69	0.0665	1.62	<0.000010	<0.00010	0.00086	0.000224	<0.00050	0.0020	0.0088	<0.050
	DC-05	Primary	VA25C9485-001	2025-10-31	0.000085	5.54	<0.000010	2.84	0.0792	1.64	<0.000010	<0.00010	0.00349	0.000191	<0.00050	0.0038	0.0091	<0.050
	DC-05	Primary	VA25D0189-001	2025-11-09	0.000121	5.34	<0.000010	2.71	0.0736	1.68	<0.000010	<0.00010	0.00100	0.000242	<0.00050	0.0027	0.0102	<0.050
	DC-05	Primary	VA25D1021-002	2025-11-16	0.000055	5.70	<0.000010	2.65	0.0749	1.46	<0.000010	<0.00010	0.00144	0.000163	<0.00050	0.0030	0.0061	<0.050
	DC-05	Primary	VA25D2832-001	2025-12-05	0.000071	6.11	<0.000010	3.09	0.0780	2.06	<0.000010	<0.00010	0.00092	0.000172	<0.00050	0.0026	0.0118	<0.050
	DC-05	Duplicate	VA25A0824-005	2025-01-12	<0.000050	6.58	<0.000010	3.08	0.0842	0.78	<0.000010	<0.00010	0.00077	0.000201	<0.00050	<0.0010	<0.0050	<0.050
	DC-05	Duplicate	VA25A7611-002	2025-04-04	0.000082	6.05	<0.000010	3.25	0.0980	0.82	<0.000010	<0.00010	0.00160	0.000246	<0.00050	<0.0010	<0.0050	<0.050
	DC-05	Duplicate	VA25B6851-003	2025-07-08	<0.000050	5.69	<0.000010	2.83	0.0836	0.81	<0.000010	<0.00010	0.00188	0.000203	<0.00050	0.0016	0.0112	<0.050
	DC-05	Duplicate	VA25C7563-006	2025-10-14	0.000082	4.89	<0.000010	2.93	0.0754	1.44	<0.000010	<0.00010	0.00036	0.000204	<0.00050	<0.0010	0.0114	<0.050
	DC-05	Duplicate	VA25C9485-002	2025-10-31	0.000071	5.58	<0.000010	2.79	0.0760	1.84	<0.000010	<0.00010	0.00283	0.000191	<0.00050	0.0040	0.0090	<0.050
	DC-10	Primary	VA25A0824-006	2025-01-12	<0.000050	6.79	<0.000010	2.91	0.0803	0.86	<0.000010	<0.00010	0.00095	0.000176	<0.00050	<0.0010	<0.0050	<0.050
	DC-10	Primary	VA25A2647-001	2025-02-04	0.000070	6.31	<0.000010	3.60	0.104	1.14	<0.000010	<0.00010	0.00042	0.000261	<0.00050	<0.0010	0.0052	<0.050
	DC-10	Primary	VA25A6706-004	2025-03-25	0.000066	6.43	<0.000010	3.82	0.112	1.33	<0.000010	<0.00010	0.00084	0.000394	<0.00050	<0.0010	<0.0050	<0.050
	DC-10	Primary	VA25A7611-003	2025-04-04	0.000075	6.00	<0.000010	3.37	0.0976	0.83	<0.000010	<0.00010	0.00124	0.000252	<0.00050	<0.0010	<0.0050	<0.050
	DC-10	Primary	VA25B0343-009	2025-05-04	<0.000050	4.44	<0.000010	1.96	0.0389	0.51	<0.000010	<0.00010	0.00211	0.000105	<0.00050	<0.0010	<0.0050	<0.050
	DC-10	Primary	VA25B5984-002	2025-06-29	<0.000050	4.80	<0.000010	2.22	0.0516	0.56	<0.000010	<0.00010	0.00419	0.000141	0.00052	0.0020	0.0130	<0.050
	DC-10	Primary	VA25B6851-004	2025-07-08	0.000059	5.48	<0.000010	2.83	0.0856	0.94	<0.000010	<0.00010	0.00110	0.000176	<0.00050	<0.0010	0.0100	<0.050
	DC-10	Primary	VA25C0017-004	2025-08-10	0.000061	5.07	<0.000010	3.38	0.0886	1.23	<0.000010	<0.00010	0.00060	0.000199	<0.00050	<0.0010	0.0134	<0.050
	DC-10	Primary	VA25C4751-001	2025-09-15	0.000061	5.28	<0.000010	3.75	0.115	3.62	<0.000010	<0.00010	<0.00030	0.000218	<0.00050	<0.0010	0.0336	<0.050
	DC-10	Primary	VA25C9101-011	2025-10-29	<0.000050	5.15	<0.000010	2.68	0.0708	1.65	<0.000010	<						

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Dissolved Metals (<i>cont'd</i>)												Anions / Nutrients	
					Selenium, Dissolved	Silicon, Dissolved	Silver, Dissolved	Sodium, Dissolved	Strontium, Dissolved	Sulfur, Dissolved	Thallium, Dissolved	Tin, Dissolved	Titanium, Dissolved	Uranium, Dissolved	Vanadium, Dissolved	Zinc, Dissolved	Ammonia, Total (as N)	Bromide
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Davidson Creek (<i>cont'd</i>)	DC-20	Primary	VA25A2647-003	2025-02-04	<0.000050	6.46	<0.000010	4.24	0.110	0.90	<0.000010	0.00036	0.00034	0.000245	<0.00050	0.0142	0.0096	<0.050
	DC-20	Primary	VA25A4955-001	2025-03-04	0.000067	6.80	<0.000010	4.20	0.104	0.76	<0.000010	<0.00010	0.00108	0.000256	<0.00050	0.0129	0.0101	<0.050
	DC-20	Primary	VA25A7310-003	2025-04-01	<0.000050	5.73	<0.000010	3.74	0.105	0.67	<0.000010	<0.00010	0.00070	0.000294	<0.00050	0.0022	0.0082	<0.050
	DC-20	Primary	VA25B0343-010	2025-05-04	<0.000050	4.79	<0.000010	2.37	0.0482	0.54	<0.000010	<0.00010	0.00231	0.000102	0.00053	<0.0010	0.0058	<0.050
	DC-20	Primary	VA25B0962-001	2025-05-11	<0.000050	4.75	<0.000010	2.27	0.0512	<0.50	<0.000010	<0.00010	0.00178	0.000110	0.00052	<0.0010	<0.0050	<0.050
	DC-20	Primary	VA25B1482-008	2025-05-14	<0.000050	4.77	<0.000010	2.34	0.0474	0.58	<0.000010	<0.00010	0.00175	0.000111	0.00054	<0.0010	<0.0050	<0.050
	DC-20	Primary	VA25B2274-006	2025-05-25	0.000074	4.51	<0.000010	2.35	0.0481	<0.50	<0.000010	<0.00010	0.00170	0.000110	0.00052	<0.0010	0.0050	<0.050
	DC-20	Primary	VA25B2953-005	2025-06-01	0.000050	4.54	<0.000010	2.31	0.0510	<0.50	<0.000010	<0.00010	0.00131	0.000130	<0.00050	<0.0010	0.0050	<0.050
	DC-20	Primary	VA25B5722-003	2025-06-23	<0.000050	5.52	<0.000010	3.03	0.0683	0.75	<0.000010	<0.00010	0.0112	0.000140	0.00120	0.0031	0.0058	<0.050
	DC-20	Primary	VA25B6834-003	2025-07-07	0.000064	5.27	<0.000010	2.77	0.0739	0.56	<0.000010	<0.00010	0.00069	0.000108	0.00054	<0.0010	0.0063	<0.050
	DC-20	Primary	VA25C0017-001	2025-08-10	0.000058	5.68	<0.000010	3.79	0.103	0.79	<0.000010	<0.00010	0.00036	0.000140	0.00064	<0.0010	0.0083	<0.050
	DC-20	Primary	VA25C4967-002	2025-09-17	0.000091	5.85	<0.000010	3.90	0.113	2.03	<0.000010	<0.00010	<0.00030	0.000129	0.00054	<0.0010	0.0058	<0.050
	DC-20	Primary	VA25C6908-003	2025-10-08	<0.000050	5.92	<0.000010	3.75	0.0919	1.12	<0.000010	<0.00010	<0.00060	0.000117	<0.00050	<0.0010	<0.0050	<0.050
	DC-20	Primary	VA25C7563-003	2025-10-14	<0.000050	5.92	<0.000010	3.50	0.0957	1.02	<0.000010	<0.00010	<0.00030	0.000133	<0.00050	<0.0010	<0.0050	<0.050
	DC-20	Primary	VA25C8358-002	2025-10-20	<0.000050	5.70	<0.000010	3.39	0.0976	0.89	<0.000010	<0.00010	<0.00030	0.000142	<0.00050	<0.0010	<0.0050	<0.050
	DC-20	Primary	VA25C9101-002	2025-10-29	<0.000050	5.93	<0.000010	3.31	0.0873	1.17	<0.000010	<0.00010	0.00095	0.000113	<0.00050	<0.0010	<0.0050	<0.050
	DC-20	Primary	VA25C9485-003	2025-10-31	0.000053	6.06	<0.000010	3.49	0.0935	1.57	<0.000010	<0.00010	0.00073	0.000115	<0.00050	<0.0010	<0.0050	<0.050
	DC-20	Primary	VA25D1976-004	2025-11-26	<0.000050	6.54	<0.000010	3.80	0.107	1.64	<0.000010	<0.00010	0.00035	0.000152	<0.00050	<0.0010	<0.0050	<0.050
	DC-20	Primary	VA25D3068-004	2025-12-08	<0.000050	6.60	<0.000010	3.69	0.101	1.64	<0.000010	<0.00010	<0.00030	0.000144	<0.00050	<0.0010	<0.0050	<0.050
	DC-20	Duplicate	VA25B2953-006	2025-06-01	0.000072	4.53	<0.000010	2.29	0.0500	<0.50	<0.000010	<0.00010	0.00175	0.000127	<0.00050	<0.0010	<0.0050	<0.050
	DC-20	Duplicate	VA25C0017-002	2025-08-10	0.000052	5.69	<0.000010	3.73	0.100	0.89	<0.000010	<0.00010	0.00038	0.000142	0.00066	<0.0010	0.0085	<0.050
Creek 661	661-01	Primary	VA25A1481-001	2025-01-20	<0.000050	4.72	<0.000010	2.11	0.0314	<0.50	<0.000010	<0.00010	0.00049	0.000031	<0.00050	<0.0010	<0.0050	<0.050
	661-01	Primary	VA25A8806-004	2025-04-15	<0.000050	4.63	<0.000010	1.94	0.0240	<0.50	<0.000010	<0.00010	0.00080	0.000038	<0.00050	<0.0010	0.0056	<0.050
	661-01	Primary	VA25B0343-004	2025-05-04	<0.000050	4.09	<0.000010	1.43	0.0195	<0.50	<0.000010	<0.00010	0.00269	0.000089	<0.00050	<0.0010	0.0091	<0.050
	661-01	Primary	VA25B0962-005	2025-05-11	<0.000050	3.93	<0.000010	1.36	0.0164	<0.50	<0.000010	<0.00010	0.00144	0.000082	<0.00050	<0.0010	<0.0050	<0.050
	661-01	Primary	VA25B1482-002	2025-05-14	<0.000050	3.92	<0.000010	1.42	0.0161	<0.50	<0.000010	<0.00010	0.00097	0.000072	<0.00050	<0.0010	<0.0050	<0.050
	661-01	Primary	VA25B2274-001	2025-05-25	<0.000050	3.79	<0.000010	1.48	0.0164	<0.50	<0.000010	<0.00010	0.00085	0.000074	<0.00050	<0.0010	<0.0050	<0.050
	661-01	Primary	VA25B2953-001	2025-06-01	<0.000050	3.58	<0.000010	1.52	0.0179	<0.50	<0.000010	<0.00010	0.00081	0.000070	<0.00050	<0.0010	<0.0050	<0.050
	661-01	Primary	VA25B5722-006	2025-06-23	<0.000050	3.31	<0.000010	1.84	0.0224	<0.50	<0.000010	<0.00010	0.00040	0.000043	<0.00050	<0.0010	<0.0050	<0.050
	661-01	Primary	VA25B7427-010	2025-07-14	<0.000050	3.52	<0.000010	1.88	0.0264	<0.50	<0.000010	<0.00010	0.00031	0.000035	<0.00050	<0.0010	0.0052	<0.050
	661-01	Primary	VA25C0216-002	2025-08-11	<0.000050	4.65	<0.000010	2.36	0.0329	<0.50	<0.000010	<0.00010	<0.00030	0.000033	<0.00050	<0.0010	<0.0050	<0.050
	661-01	Primary	VA25C5489-005	2025-09-24	<0.000050	5.03	<0.000010	2.11	0.0321	<0.50	<0.000010	<0.00010	0.00036	0.000029	<0.00050	<0.0010	<0.0050	<0.050
	661-01	Primary	VA25C5617-001	2025-09-22	<0.000050	5.04	<0.000010	2.33	0.0314	<0.50	<0.000010	<0.00010	0.00066	0.000029	<0.00050	<0.0010	0.0074	<0.050
	661-01	Primary	VA25C6039-001	2025-09-30	<0.000050	4.89	<0.000010	2.44	0.0331	<0.50	<0.000010	<0.00010	0.00039	0.000028	<0.00050	0.0014	<0.0050	<0.050
	661-01	Primary	VA25C7355-006	2025-10-07	<0.000050	4.99	<0.000010	2.32	0.0323	<0.50	<0.000010	<0.00010	<0.00030	0.000027	<0.00050	<0.0010	<0.0050	

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Dissolved Metals (<i>cont'd</i>)												Anions / Nutrients	
					Selenium, Dissolved	Silicon, Dissolved	Silver, Dissolved	Sodium, Dissolved	Strontium, Dissolved	Sulfur, Dissolved	Thallium, Dissolved	Tin, Dissolved	Titanium, Dissolved	Uranium, Dissolved	Vanadium, Dissolved	Zinc, Dissolved	Ammonia, Total (as N)	Bromide
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Creek 661 (<i>cont'd</i>)	661-04	Primary	VA25A4183-004	2025-02-24	<0.000050	8.10	<0.000010	3.59	0.0684	1.05	<0.000010	<0.00010	<0.00030	0.000085	0.00058	0.0096	<0.0050	<0.050
	661-04	Primary	VA25A5225-001	2025-03-07	0.000059	7.75	<0.000010	3.39	0.0669	1.56	<0.000010	<0.00010	0.00288	0.000082	0.00061	0.0087	0.0051	<0.050
	661-04	Primary	VA25A8451-001	2025-04-14	0.000077	6.51	0.000014	2.81	0.0554	1.58	<0.000010	<0.00010	0.00471	0.000068	0.00066	0.0129	<0.0050	<0.050
	661-04	Primary	VA25B0438-001	2025-05-05	<0.000050	5.16	0.000016	2.14	0.0329	0.84	<0.000010	<0.00010	0.00246	0.000082	0.00062	0.0112	<0.0050	<0.050
	661-04	Primary	VA25B5932-001	2025-06-27	<0.000050	5.59	<0.000010	2.63	0.0457	<0.50	<0.000010	<0.00010	0.00222	0.000067	0.00073	0.0091	0.0083	<0.050
	661-04	Primary	VA25B7427-009	2025-07-14	<0.000050	6.28	<0.000010	3.14	0.0597	<0.50	<0.000010	<0.00010	0.00356	0.000075	0.00082	0.0082	<0.0050	<0.050
	661-04	Primary	VA25C0216-003	2025-08-11	0.000059	6.57	<0.000010	3.71	0.0752	<0.50	<0.000010	<0.00010	0.00044	0.000086	0.00057	0.0083	<0.0050	<0.050
	661-04	Primary	VA25C4967-005	2025-09-17	<0.000050	7.08	<0.000010	3.93	0.0811	0.89	<0.000010	<0.00010	0.00066	0.000106	0.00054	0.0049	0.0053	<0.050
	661-04	Primary	VA25C7416-002	2025-10-13	<0.000050	7.26	<0.000010	3.52	0.0699	1.45	<0.000010	<0.00010	0.00077	0.000072	<0.00050	0.0052	0.0051	<0.050
	661-04	Primary	VA25D1159-004	2025-11-18	<0.000050	7.98	<0.000010	3.37	0.0658	1.56	<0.000010	<0.00010	0.00069	0.000065	<0.00050	0.0062	<0.0050	<0.050
	661-04	Primary	VA25D3210-001	2025-12-09	<0.000050	8.08	<0.000010	3.65	0.0723	0.98	<0.000010	<0.00010	0.00049	0.000076	0.00068	0.0076	0.0063	<0.050
	661-04	Duplicate	VA25A1481-003	2025-01-20	<0.000050	7.81	<0.000010	3.46	0.0699	1.12	<0.000010	<0.00010	0.00031	0.000062	<0.00050	0.0100	<0.0050	<0.050
	661-04	Duplicate	VA25A8451-002	2025-04-14	0.000058	6.62	0.000011	2.91	0.0559	1.49	<0.000010	<0.00010	0.00465	0.000069	0.00067	0.0122	<0.0050	<0.050
	661-04	Duplicate	VA25B5932-002	2025-06-27	<0.000050	5.78	<0.000010	2.73	0.0455	<0.50	<0.000010	<0.00010	0.00306	0.000071	0.00074	0.0093	<0.0050	<0.050
	661-04	Duplicate	VA25C4967-006	2025-09-17	<0.000050	7.19	<0.000010	3.98	0.0794	0.96	<0.000010	<0.00010	0.00076	0.000106	0.00058	0.0053	0.0056	<0.050
	661-05	Primary	VA25A0964-002	2025-01-13	0.000069	8.20	<0.000010	4.01	0.0783	<0.50	<0.000010	<0.00010	0.00059	0.000161	0.00157	0.0013	<0.0050	<0.050
	661-05	Primary	VA25A4211-002	2025-02-18	0.000090	9.06	<0.000010	3.81	0.0823	<0.50	<0.000010	<0.00010	0.00033	0.000242	0.00182	0.0011	0.0058	<0.050
	661-05	Primary	VA25A5225-002	2025-03-07	0.000093	9.00	<0.000010	3.73	0.0833	<0.50	<0.000010	<0.00010	0.00237	0.000195	0.00177	<0.0010	<0.0050	<0.050
	661-05	Primary	VA25A8806-001	2025-04-15	<0.000050	7.05	<0.000010	2.85	0.0534	<0.50	<0.000010	<0.00010	0.00120	0.000093	0.00133	<0.0010	0.0055	<0.050
	661-05	Primary	VA25B0343-006	2025-05-04	0.000060	6.66	<0.000010	2.95	0.0500	<0.50	<0.000010	<0.00010	0.00502	0.000118	0.00145	<0.0010	<0.0050	<0.050
	661-05	Primary	VA25B5932-003	2025-06-27	0.000063	7.42	<0.000010	3.12	0.0650	<0.50	<0.000010	<0.00010	0.00232	0.000131	0.00154	<0.0010	<0.0050	<0.050
	661-05	Primary	VA25B6851-001	2025-07-08	0.000076	8.01	<0.000010	3.43	0.0772	<0.50	<0.000010	<0.00010	0.00070	0.000166	0.00154	0.0023	<0.0050	<0.050
	661-05	Primary	VA25C0216-001	2025-08-11	0.000068	8.20	<0.000010	4.12	0.0882	<0.50	<0.000010	<0.00010	0.00032	0.000207	0.00172	0.0030	<0.0050	<0.050
	661-05	Primary	VA25C3886-001	2025-09-10	0.000057	8.97	<0.000010	4.37	0.0938	<0.50	<0.000010	<0.00010	<0.00030	0.000240	0.00184	0.0024	<0.0050	<0.050
	661-05	Primary	VA25C8345-001	2025-10-21	0.000050	8.57	<0.000010	3.86	0.0842	<0.50	<0.000010	<0.00010	0.00032	0.000192	0.00179	<0.0010	<0.0050	<0.050
	661-05	Primary	VA25D0570-003	2025-11-12	0.000059	8.24	<0.000010	3.91	0.0795	<0.50	<0.000010	<0.00010	0.00089	0.000173	0.00169	<0.0010	<0.0050	<0.050
	661-05	Primary	VA25D3210-002	2025-12-09	0.000082	9.11	<0.000010	3.99	0.0860	<0.50	<0.000010	<0.00010	<0.00030	0.000179	0.00184	<0.0010	0.0053	<0.050
	661-05	Duplicate	VA25A0964-003	2025-01-13	0.000071	8.21	<0.000010	3.87	0.0770	<0.50	<0.000010	<0.00010	0.00067	0.000164	0.00158	<0.0010	<0.0050	<0.050
	661-10	Primary	VA25A0356-002	2025-01-06	<0.000050	7.12	<0.000010	3.32	0.0650	0.81	<0.000010	<0.00010	0.00076	0.000064	0.00055	0.0030	0.0111	<0.050
	661-10	Primary	VA25A4211-001	2025-02-18	0.000050	8.33	<0.000010	3.71	0.0666	1.07	<0.000010	<0.00010	0.00108	0.000092	0.00071	0.0102	0.0353	<0.050
	661-10	Primary	VA25A5381-001	2025-03-10	0.000058	7.89	<0.000010	3.38	0.0636	1.02	<0.000010	<0.00010	0.00153	0.000077	0.00061	0.0033	0.0128	<0.050
	661-10	Primary	VA25A8806-003	2025-04-15	0.000058	6.55	0.000012	2.70	0.0483	1.00	<0.000010	<0.00010	0.00592	0.000092	0.00080	0.0038	0.0078	<0.050
	661-10	Primary	VA25B0343-007	2025-05-04	0.000059	4.61	0.000012	1.96	0.0259	<0.50	<0.000010	<0.00010	0.00369	0.000096	0.00069	0.0027	0.0071	<0.050
	661-10	Primary	VA25B0962-007	2025-05-11	0.000050	4.82	<0.000010	1.78	0.0254	<0.50	<0.000010	<0.00010	0.00183	0.000091	0.00066	0.0027	0.0078	<0.050
	661-10	Primary	VA25B1482-004	2025-05-14	<0.000050	4.72	<0.000010	1.87	0.0236	<0.50	<0.000010	<0.00010	0.00190	0.000088	0.00063	0.0026	0.0063	<0.050
	661-10	Primary	VA25B2274-002	2025-05-25	0.000057	4.88	<0.00001											

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Dissolved Metals (<i>cont'd</i>)												Anions / Nutrients	
					Selenium, Dissolved	Silicon, Dissolved	Silver, Dissolved	Sodium, Dissolved	Strontium, Dissolved	Sulfur, Dissolved	Thallium, Dissolved	Tin, Dissolved	Titanium, Dissolved	Uranium, Dissolved	Vanadium, Dissolved	Zinc, Dissolved	Ammonia, Total (as N)	Bromide
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Creek 661 (<i>cont'd</i>)	661-20	Primary	VA25D0189-004	2025-11-10	0.000054	7.63	<0.000010	4.59	0.0900	0.71	<0.000010	<0.00010	<0.00030	0.000286	0.00059	<0.0010	<0.0050	<0.050
	661-20	Duplicate	VA25D0189-005	2025-11-10	0.000082	7.92	<0.000010	4.73	0.0899	0.63	<0.000010	<0.00010	<0.00030	0.000277	0.00057	<0.0010	<0.0050	<0.050
Turtle Creek	TC-01	Primary	VA25A1845-005	2025-01-26	0.000055	6.86	<0.000010	2.86	0.112	0.60	<0.000010	<0.00010	<0.00030	0.000136	0.00050	<0.0010	0.0147	<0.050
	TC-01	Primary	VA25A5560-004	2025-03-11	0.000076	6.49	<0.000010	2.79	0.115	<0.50	<0.000010	<0.00010	<0.00030	0.000174	0.00081	<0.0010	0.00520	<0.050
	TC-01	Primary	VA25A8058-006	2025-04-09	<0.000050	6.40	<0.000010	2.72	0.114	<0.50	<0.000010	<0.00010	<0.00030	0.000174	0.00057	<0.0010	<0.0050	<0.050
	TC-01	Primary	VA25B1312-001	2025-05-13	<0.000050	6.91	<0.000010	2.69	0.104	<0.50	<0.000010	<0.00010	<0.00030	0.000137	0.00058	<0.0010	0.0068	<0.050
	TC-01	Primary	VA25B5722-005	2025-06-23	0.000085	6.16	<0.000010	2.80	0.104	1.01	<0.000010	<0.00010	<0.00030	0.000105	0.00077	<0.0010	0.0133	<0.050
	TC-01	Primary	VA25B6834-005	2025-07-07	0.000112	6.68	<0.000010	2.65	0.109	1.00	<0.000010	<0.00010	<0.00030	0.000137	0.00076	<0.0010	0.0118	<0.050
	TC-01	Primary	VA25B9366-001	2025-08-04	0.000078	7.40	<0.000010	2.84	0.110	<0.50	<0.000010	<0.00010	<0.00030	0.000114	0.00061	<0.0010	0.0137	<0.050
	TC-01	Primary	VA25C4967-003	2025-09-17	0.000093	7.62	<0.000010	3.07	0.123	0.52	<0.000010	<0.00010	<0.00030	0.000103	<0.00050	0.0011	0.0136	<0.050
	TC-01	Primary	VA25C8358-006	2025-10-20	0.000066	7.07	<0.000010	2.70	0.110	0.57	<0.000010	<0.00010	<0.00030	0.000111	<0.00050	<0.0010	0.0105	<0.050
	TC-01	Primary	VA25D1976-007	2025-11-26	0.000077	6.46	<0.000010	2.71	0.111	0.77	<0.000010	<0.00010	<0.00030	0.000114	0.00055	<0.0010	0.0064	<0.050
	TC-01	Primary	VA25D3939-001	2025-12-17	<0.000050	6.91	<0.000010	3.05	0.116	0.67	<0.000010	<0.00010	<0.00030	0.000113	<0.00050	<0.0010	0.0090	<0.050
	TC-05	Primary	VA25A1845-004	2025-01-26	0.000097	7.28	<0.000010	4.30	0.124	1.40	<0.000010	<0.00010	<0.00030	0.000264	<0.00050	<0.0010	<0.0050	<0.050
	TC-05	Primary	VA25A4183-001	2025-02-24	0.000112	8.00	<0.000010	4.46	0.151	1.60	<0.000010	<0.00010	<0.00030	0.000417	<0.00050	<0.0010	0.0090	<0.050
	TC-05	Primary	VA25A5268-003	2025-03-09	0.000068	7.58	<0.000010	4.13	0.133	1.60	<0.000010	<0.00010	<0.00030	0.000372	<0.00050	0.0032	0.0059	<0.050
	TC-05	Primary	VA25A8058-005	2025-04-09	0.000059	5.96	<0.000010	3.36	0.113	1.01	<0.000010	<0.00010	<0.00030	0.000260	<0.00050	<0.0010	0.0052	<0.050
	TC-05	Primary	VA25B1312-002	2025-05-13	0.000056	5.18	<0.000010	2.22	0.0540	<0.50	<0.000010	<0.00010	0.00123	0.000105	0.00052	<0.0010	0.0076	<0.050
	TC-05	Primary	VA25B5722-004	2025-06-23	0.000094	5.48	<0.000010	3.22	0.103	0.73	<0.000010	<0.00010	0.00034	0.000144	0.00054	<0.0010	0.0093	<0.050
	TC-05	Primary	VA25B6834-004	2025-07-07	0.000070	5.83	<0.000010	3.26	0.111	0.86	<0.000010	<0.00010	<0.00030	0.000163	<0.00050	<0.0010	0.0131	<0.050
	TC-05	Primary	VA25B9366-002	2025-08-04	0.000101	5.92	<0.000010	3.70	0.132	<0.50	<0.000010	<0.00010	0.00034	0.000192	<0.00050	<0.0010	0.0106	<0.050
	TC-05	Primary	VA25C4967-004	2025-09-17	0.000066	6.79	<0.000010	4.44	0.153	0.94	<0.000010	<0.00010	<0.00030	0.000301	<0.00050	0.0014	0.0110	<0.050
	TC-05	Primary	VA25C8346-001	2025-10-22	0.000064	6.69	<0.000010	4.00	0.117	0.85	<0.000010	<0.00010	<0.00030	0.000231	<0.00050	<0.0010	<0.0050	<0.050
	TC-05	Primary	VA25D1976-006	2025-11-26	0.000087	7.77	<0.000010	4.42	0.142	1.64	<0.000010	<0.00010	<0.00030	0.000292	<0.00050	<0.0010	0.0050	<0.050
	TC-05	Primary	VA25D3939-002	2025-12-17	<0.000050	7.19	<0.000010	4.26	0.124	0.99	<0.000010	<0.00010	<0.00030	0.000215	<0.00050	<0.0010	0.0103	<0.050
	TC-05	Duplicate	VA25B1312-003	2025-05-13	0.000058	5.14	<0.000010	2.25	0.0536	0.66	<0.000010	<0.00010	0.00140	0.000105	0.00054	<0.0010	0.0064	<0.050
	TC-10	Primary	VA25A2544-002	2025-02-03	0.000066	7.73	<0.000010	4.56	0.151	1.28	<0.000010	<0.00010	<0.00030	0.000265	<0.00050	<0.0010	0.0106	<0.050
	TC-10	Primary	VA25B1312-004	2025-05-13	0.000098	4.97	<0.000010	2.78	0.0700	0.67	<0.000010	<0.00010	0.00058	0.000066	<0.00050	<0.0010	0.0056	<0.050
	TC-10	Primary	VA25B6834-006	2025-07-07	0.000069	6.60	<0.000010	4.13	0.131	0.69	<0.000010	<0.00010	<0.00030	0.000124	<0.00050	<0.0010	0.0076	<0.050
	TC-10	Primary	VA25C3699-001	2025-09-09	0.000071	7.84	<0.000010	5.18	0.180	<0.50	<0.000010	<0.00010	<0.00030	0.000224	<0.00050	<0.0010	0.0232	<0.050
	TC-10	Primary	VA25C9690-004	2025-11-03	<0.000050	6.64	<0.000010	4.57	0.138	1.08	<0.000010	<0.00010	<0.00030	0.000167	<0.00050	<0.0010	<0.0050	<0.050
	TC-15	Primary	VA25B1312-005	2025-05-13	<0.000050	5.35	<0.000010	3.21	0.0722	0.70	<0.000010	<0.00010	<0.00030	0.000030	<0.00050	<0.0010	<0.0050	<0.050
Chedakuz Creek	CC-03	Primary	VA25A0356-004	2025-01-06	0.000060	6.79	<0.000010	6.00	0.146	1.87	<0.000010	<0.00010	<0.00030	0.000229	<0.00050	<0.0010	0.0236	<0.050
	CC-03	Primary	VA25A4598-002	2025-02-28	0.000066	6.01	<0.000010	5.38	0.132	1.62	<0.000010	<0.00010	<0.00030	0.000169	<0.00050	<0.0010	0.0082	<0.050
	CC-03	Primary	VA25A5381-002	2025-03-10	<0.000050	5.33	<0.000010	4.61	0.116	1.38	<0.000010	<0.00010	<0.00030	0.000147	<0.00050	<0.0010	0.0154	<0.050
	CC-03	Primary	VA25A8257-001	2025-04-10	<0.000050													

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Dissolved Metals (<i>cont'd</i>)												Anions / Nutrients	
					Selenium, Dissolved	Silicon, Dissolved	Silver, Dissolved	Sodium, Dissolved	Strontium, Dissolved	Sulfur, Dissolved	Thallium, Dissolved	Tin, Dissolved	Titanium, Dissolved	Uranium, Dissolved	Vanadium, Dissolved	Zinc, Dissolved	Ammonia, Total (as N)	Bromide
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Chedakuz Creek (<i>cont'd</i>)	CC-03	Duplicate	VA25B0962-008	2025-05-11	<0.000050	3.32	<0.000010	2.99	0.0729	<0.50	<0.000010	<0.00010	0.00091	0.000047	<0.00050	<0.0010	0.0075	<0.050
	CC-03	Duplicate	VA25B5529-002	2025-06-24	<0.000050	5.71	<0.000010	3.70	0.105	2.24	<0.000010	<0.00010	0.00034	0.000098	0.00057	<0.0010	0.0092	<0.050
	CC-03	Duplicate	VA25C8919-004	2025-10-26	<0.000050	6.68	<0.000010	4.81	0.118	2.66	<0.000010	<0.00010	<0.00030	0.000188	<0.00050	<0.0010	<0.0050	<0.050
	CC-03	Duplicate	VA25D4214-003	2025-12-26	<0.000050	8.04	<0.000010	5.47	0.130	2.94	<0.000010	<0.00010	<0.00030	0.000238	<0.00050	<0.0010	0.0599	<0.050
	CC-05	Primary	VA25A4598-003	2025-02-28	<0.000050	6.68	<0.000010	5.20	0.117	1.49	<0.000010	<0.00010	<0.00030	0.000260	<0.00050	<0.0010	0.0065	<0.050
	CC-05	Primary	VA25B0343-002	2025-05-04	0.000077	4.44	<0.000010	2.89	0.0511	0.66	<0.000010	<0.00010	0.00250	0.000092	0.00069	<0.0010	0.0296	<0.050
	CC-05	Primary	VA25B7427-004	2025-07-14	<0.000050	6.36	<0.000010	3.94	0.105	1.58	<0.000010	<0.00010	<0.00030	0.000185	0.00057	<0.0010	0.0058	<0.050
	CC-05	Primary	VA25D0189-007	2025-11-10	0.000056	7.23	<0.000010	4.66	0.0975	1.63	<0.000010	<0.00010	<0.00030	0.000234	<0.00050	0.0011	<0.0050	<0.050
	CC-05	Duplicate	VA25A4598-004	2025-02-28	0.000076	6.54	<0.000010	5.18	0.124	1.37	<0.000010	<0.00010	<0.00030	0.000269	<0.00050	<0.0010	0.0206	<0.050
	CC-05	Duplicate	VA25B0343-003	2025-05-04	0.000071	4.31	<0.000010	2.81	0.0508	0.60	<0.000010	<0.00010	0.00269	0.000094	0.00067	<0.0010	0.0168	<0.050
	CC-10	Primary	VA25A3507-005	2025-02-17	0.000065	4.84	<0.000010	4.24	0.106	1.59	<0.000010	<0.00010	<0.00030	0.000100	<0.00050	<0.0010	0.0067	<0.050
	CC-10	Primary	VA25B1482-006	2025-05-14	<0.000050	4.95	<0.000010	3.74	0.0977	1.17	<0.000010	<0.00010	<0.00030	0.000107	<0.00050	<0.0010	0.0128	<0.050
	CC-10	Primary	VA25B9374-003	2025-08-03	0.000082	2.01	<0.000010	3.42	0.103	1.43	<0.000010	<0.00010	<0.00030	0.000097	<0.00050	<0.0010	0.0091	<0.050
	CC-10	Primary	VA25D1976-005	2025-11-26	0.000076	3.61	<0.000010	3.67	0.101	1.27	<0.000010	<0.00010	<0.00030	0.000106	<0.00050	<0.0010	0.0075	<0.050
	CC-15	Primary	VA25A0964-004	2025-01-13	0.000072	5.02	<0.000010	3.79	0.108	1.27	<0.000010	<0.00010	<0.00030	0.000113	<0.00050	<0.0010	0.0246	<0.050
	CC-15	Primary	VA25A3507-003	2025-02-17	0.000060	5.10	<0.000010	4.18	0.109	1.54	<0.000010	<0.00010	<0.00030	0.000118	<0.00050	<0.0010	0.0155	<0.050
	CC-15	Primary	VA25A5268-001	2025-03-09	0.000055	4.89	<0.000010	3.60	0.107	1.82	<0.000010	<0.00010	<0.00030	0.000141	<0.00050	<0.0010	0.0199	<0.050
	CC-15	Primary	VA25A7310-001	2025-04-01	0.000075	4.57	<0.000010	3.76	0.104	1.28	<0.000010	<0.00010	<0.00030	0.000155	<0.00050	<0.0010	0.0447	<0.050
	CC-15	Primary	VA25B0438-004	2025-05-05	0.000070	5.13	<0.000010	3.37	0.0885	1.81	<0.000010	<0.00010	0.00049	0.000117	<0.00050	<0.0010	0.0117	<0.050
	CC-15	Primary	VA25B1094-002	2025-05-12	0.000061	4.15	<0.000010	3.04	0.0902	1.33	<0.000010	<0.00010	0.00056	0.000101	<0.00050	<0.0010	0.0053	<0.050
	CC-15	Primary	VA25B1721-003	2025-05-19	0.000062	4.40	<0.000010	3.06	0.0826	1.41	<0.000010	<0.00010	0.00111	0.000094	<0.00050	<0.0010	0.0093	<0.050
	CC-15	Primary	VA25B2427-001	2025-05-26	<0.000050	4.01	<0.000010	3.03	0.0933	1.68	<0.000010	<0.00010	0.00034	0.000092	<0.00050	<0.0010	0.0073	<0.050
	CC-15	Primary	VA25B3822-001	2025-06-02	0.000062	3.97	<0.000010	3.41	0.0890	1.13	<0.000010	<0.00010	0.00038	0.000102	<0.00050	<0.0010	0.0090	<0.050
	CC-15	Primary	VA25B5722-002	2025-06-23	<0.000050	3.55	<0.000010	3.38	0.0975	1.44	<0.000010	<0.00010	0.00054	0.000102	<0.00050	<0.0010	0.0091	<0.050
	CC-15	Primary	VA25B6834-002	2025-07-07	0.000073	3.33	<0.000010	3.13	0.0988	1.34	<0.000010	<0.00010	<0.00030	0.000100	<0.00050	<0.0010	0.0058	<0.050
	CC-15	Primary	VA25B9366-003	2025-08-04	0.000079	3.46	<0.000010	3.69	0.0983	1.13	<0.000010	<0.00010	<0.00030	0.000121	0.00059	<0.0010	0.0091	<0.050
	CC-15	Primary	VA25C4967-007	2025-09-17	0.000059	2.92	<0.000010	3.92	0.107	1.39	<0.000010	0.00035	<0.00030	0.000127	<0.00050	<0.0010	0.0088	<0.050
	CC-15	Primary	VA25C6908-002	2025-10-08	0.000055	3.65	<0.000010	3.78	0.0960	1.61	<0.000010	<0.00010	<0.00030	0.000105	<0.00050	<0.0010	0.0120	<0.050
	CC-15	Primary	VA25C7563-002	2025-10-14	<0.000050	3.74	<0.000010	3.72	0.102	1.43	<0.000010	<0.00010	<0.00030	0.000126	<0.00050	<0.0010	0.0063	<0.050
	CC-15	Primary	VA25C8358-003	2025-10-20	<0.000050	3.52	<0.000010	3.65	0.102	1.13	<0.000010	<0.00010	<0.00030	0.000113	<0.00050	<0.0010	0.0087	<0.050
	CC-15	Primary	VA25C8919-009	2025-10-27	0.000057	4.09	<0.000010	3.54	0.0996	1.54	<0.000010	<0.00010	0.00055	0.000108	<0.00050	<0.0010	0.0074	<0.050
	CC-15	Primary	VA25C9101-003	2025-10-29	0.000056	4.46	<0.000010	3.55	0.0978	1.57	<0.000010	<0.00010	0.00043	0.000107	<0.00050	<0.0010	0.0104	<0.050
	CC-15	Primary	VA25D1976-002	2025-11-26	0.000051	4.49	<0.000010	3.77	0.111	1.74	<0.000010	<0.00010	<0.00030	0.000105	<0.00050	<0.0010	0.0156	<0.050
	CC-15	Primary	VA25D4214-008	2025-12-27	<0.000050	4.41	<0.000010	3.75	0.103	1.69	<0.000010	<0.00010	<0.00030	0.000111	<0.00050	<0.0010	0.0093	<0.050
	CC-15	Duplicate	VA25A3507-004	2025-02-17	<0.000050	5.20	<0.000010	4.14	0.111	1.48	<0.000010	<0.00010	<0.00030	0.000121	<0.00050	<0.0010	0.0181	<0.050
	CC-15	Duplicate	VA25A5268-002	2025-03-09	0.000072	4.90	<0.000010	3.8.										

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Dissolved Metals (<i>cont'd</i>)												Anions / Nutrients	
					Selenium, Dissolved	Silicon, Dissolved	Silver, Dissolved	Sodium, Dissolved	Strontium, Dissolved	Sulfur, Dissolved	Thallium, Dissolved	Tin, Dissolved	Titanium, Dissolved	Uranium, Dissolved	Vanadium, Dissolved	Zinc, Dissolved	Ammonia, Total (as N)	Bromide
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Chedakuz Creek (<i>cont'd</i>)	CC-20	Primary	VA25C6908-001	2025-10-08	<0.000050	3.62	<0.000010	3.81	0.101	1.34	<0.000010	<0.00010	<0.00030	0.000110	<0.00050	<0.0010	0.0056	<0.050
	CC-20	Primary	VA25C7563-001	2025-10-14	0.000070	3.97	<0.000010	3.78	0.106	1.14	<0.000010	<0.00010	<0.00030	0.000124	<0.00050	<0.0010	<0.0050	<0.050
	CC-20	Primary	VA25C8358-005	2025-10-20	<0.000050	3.80	<0.000010	3.68	0.106	1.10	<0.000010	<0.00010	<0.00030	0.000113	<0.00050	<0.0010	0.0050	<0.050
	CC-20	Primary	VA25C8919-008	2025-10-27	<0.000050	4.21	<0.000010	3.68	0.103	1.45	<0.000010	<0.00010	0.00044	0.000109	<0.00050	<0.0010	0.0069	<0.050
	CC-20	Primary	VA25C9101-008	2025-10-29	0.000057	4.69	<0.000010	3.53	0.0999	1.39	<0.000010	<0.00010	<0.00030	0.000109	<0.00050	<0.0010	0.0085	<0.050
	CC-20	Primary	VA25D1976-001	2025-11-26	0.000079	4.69	<0.000010	3.65	0.111	1.61	<0.000010	<0.00010	<0.00030	0.000109	<0.00050	<0.0010	0.0144	<0.050
	CC-20	Primary	VA25D4214-007	2025-12-27	0.000054	4.53	<0.000010	3.74	0.106	1.59	<0.000010	<0.00010	<0.00030	0.000108	<0.00050	<0.0010	0.0096	<0.050
	CC-20	Duplicate	VA25A1845-003	2025-01-26	0.000068	4.99	<0.000010	3.92	0.107	1.49	<0.000010	<0.00010	<0.00030	0.000120	<0.00050	<0.0010	0.0089	<0.050
	CC-20	Duplicate	VA25A8058-004	2025-04-09	0.000059	4.78	<0.000010	3.28	0.101	1.75	<0.000010	<0.00010	0.00103	0.000144	<0.00050	<0.0010	0.0083	<0.050
	CC-20	Duplicate	VA25B6834-007	2025-07-07	0.000076	3.58	<0.000010	3.37	0.100	1.30	<0.000010	<0.00010	<0.00030	0.000101	<0.00050	<0.0010	0.0078	<0.050
	CC-30	Primary	VA25A5560-002	2025-03-11	0.000059	5.31	<0.000010	4.40	0.114	1.13	<0.000010	<0.00010	<0.00030	0.000190	0.00051	<0.0010	0.0485	<0.050
	CC-30	Primary	VA25A8058-002	2025-04-09	0.000071	4.44	<0.000010	3.65	0.0944	1.75	<0.000010	<0.00010	0.00081	0.000151	<0.00050	<0.0010	0.0069	<0.050
	CC-30	Primary	VA25B7192-002	2025-07-13	0.000075	3.83	<0.000010	3.81	0.0960	0.99	<0.000010	<0.00010	0.00059	0.000132	0.00050	<0.0010	0.0091	<0.050
	CC-30	Primary	VA25C6737-003	2025-10-05	<0.000050	4.00	<0.000010	4.68	0.120	1.01	<0.000010	<0.00010	<0.00030	0.000158	<0.00050	<0.0010	0.0052	<0.050
	CC-30	Duplicate	VA25B7192-003	2025-07-13	0.000055	3.73	<0.000010	3.86	0.100	1.00	<0.000010	<0.00010	<0.00030	0.000129	0.00052	<0.0010	0.0090	<0.050
	CC-40	Primary	VA25A1845-001	2025-01-26	<0.000050	5.78	<0.000010	5.01	0.118	1.63	<0.000010	<0.00010	<0.00030	0.000203	<0.00050	<0.0010	0.0145	<0.050
	CC-40	Primary	VA25A3507-001	2025-02-17	0.000077	5.97	<0.000010	5.47	0.128	1.69	<0.000010	<0.00010	<0.00030	0.000207	<0.00050	<0.0010	0.0415	<0.050
	CC-40	Primary	VA25A5560-003	2025-03-11	0.000069	5.23	<0.000010	4.73	0.114	1.23	<0.000010	<0.00010	<0.00030	0.000225	0.00050	<0.0010	0.0294	<0.050
	CC-40	Primary	VA25A8058-001	2025-04-09	0.000054	4.43	<0.000010	3.60	0.0962	1.44	<0.000010	<0.00010	0.00074	0.000160	<0.00050	<0.0010	0.0065	<0.050
	CC-40	Primary	VA25B0438-006	2025-05-05	0.000086	4.66	<0.000010	3.28	0.0762	1.45	<0.000010	<0.00010	0.00045	0.000102	<0.00050	<0.0010	0.0067	<0.050
	CC-40	Primary	VA25B1094-003	2025-05-12	0.000050	4.04	<0.000010	3.13	0.0845	1.33	<0.000010	<0.00010	0.00032	0.000098	<0.00050	0.0012	0.0071	<0.050
	CC-40	Primary	VA25B1721-001	2025-05-19	0.000075	4.21	<0.000010	3.17	0.0736	0.99	<0.000010	<0.00010	0.00097	0.000082	<0.00050	<0.0010	0.0104	<0.050
	CC-40	Primary	VA25B2427-003	2025-05-26	0.000057	4.16	<0.000010	3.18	0.0853	1.24	<0.000010	<0.00010	<0.00030	0.000097	<0.00050	<0.0010	0.0069	<0.050
	CC-40	Primary	VA25B3822-003	2025-06-02	<0.000050	4.50	<0.000010	3.43	0.0840	1.14	<0.000010	<0.00010	0.00031	0.000113	<0.00050	<0.0010	0.0124	<0.050
	CC-40	Primary	VA25B5256-001	2025-06-22	0.000062	4.03	<0.000010	3.77	0.105	1.34	<0.000010	<0.00010	<0.00030	0.000132	0.00057	<0.0010	0.0100	<0.050
	CC-40	Primary	VA25B7192-001	2025-07-13	0.000069	3.86	<0.000010	3.99	0.103	1.00	<0.000010	<0.00010	<0.00030	0.000136	0.00052	<0.0010	0.0086	<0.050
	CC-40	Primary	VA25B9374-001	2025-08-03	0.000062	4.26	<0.000010	4.70	0.130	1.33	<0.000010	<0.00010	<0.00030	0.000179	0.00067	<0.0010	0.0109	<0.050
	CC-40	Primary	VA25C4967-009	2025-09-17	<0.000050	3.96	<0.000010	5.65	0.128	1.40	<0.000010	<0.00010	<0.00030	0.000221	0.00054	<0.0010	0.0095	<0.050
	CC-40	Primary	VA25C6737-001	2025-10-05	<0.000050	4.17	<0.000010	5.21	0.129	1.26	<0.000010	<0.00010	<0.00030	0.000204	<0.00050	<0.0010	0.0093	<0.050
	CC-40	Primary	VA25C7563-004	2025-10-14	<0.000050	4.74	<0.000010	5.30	0.125	1.27	<0.000010	<0.00010	<0.00030	0.000224	<0.00050	<0.0010	<0.0050	<0.050
	CC-40	Primary	VA25C8358-001	2025-10-20	0.000055	4.52	<0.000010	5.04	0.122	1.33	<0.000010	<0.00010	<0.00030	0.000224	<0.00050	<0.0010	<0.0050	<0.050
	CC-40	Primary	VA25C8919-007	2025-10-27	<0.000050	4.68	<0.000010	5.17	0.121	1.55	<0.000010	<0.00010	<0.00030	0.000196	<0.00050	<0.0010	0.0061	<0.050
	CC-40	Primary	VA25C9101-001	2025-10-29	0.000068	5.21	<0.000010	4.76	0.114	1.54	<0.000010	<0.00010	<0.00030	0.000179	<0.00050	<0.0010	<0.0050	<0.050
	CC-40	Primary	VA25D1004-001	2025-11-17	<0.000050	5.10	<0.000010	4.90	0.104	1.34	<0.000010	<0.00010	<0.00030	0.000174	<0.00050	<0.0010	0.0089	<0.050
	CC-40	Primary	VA25D4214-006	2025-12-27	<0.000050	5.44	<0.000010	4.79	0.114	1.80	<0.000010	<0.00010	<0.00030	0.000159	<0.00050	<0.0010	0.0181	<0.050
	CC-40	Duplicate	VA25B5256-002	2025-06-22	0.000064	3.97	<0.000010	3.74	0.									

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Dissolved Metals (<i>cont'd</i>)												Anions / Nutrients	
					Selenium, Dissolved	Silicon, Dissolved	Silver, Dissolved	Sodium, Dissolved	Strontium, Dissolved	Sulfur, Dissolved	Thallium, Dissolved	Tin, Dissolved	Titanium, Dissolved	Uranium, Dissolved	Vanadium, Dissolved	Zinc, Dissolved	Ammonia, Total (as N)	Bromide
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Creek 705 (<i>cont'd</i>)	705-05	Duplicate	VA25B0438-008	2025-05-05	<0.000050	3.69	<0.000010	1.53	0.0385	<0.50	<0.000010	<0.00010	0.00139	0.000192	<0.00050	<0.0010	0.0052	<0.050
	705-10	Primary	VA25A0226-002	2025-01-05	<0.000050	4.40	<0.000010	2.33	0.0661	0.84	<0.000010	<0.00010	0.00105	0.000133	<0.00050	0.0022	<0.0050	<0.050
	705-10	Primary	VA25A2544-003	2025-02-03	<0.000050	4.27	<0.000010	2.40	0.0623	<0.50	<0.000010	<0.00010	0.00046	0.000116	<0.00050	<0.0010	<0.0050	<0.050
	705-10	Primary	VA25A5321-001	2025-03-05	<0.000050	3.94	<0.000010	2.70	0.0656	0.70	<0.000010	<0.00010	0.00051	0.000119	<0.00050	<0.0010	<0.0050	<0.050
	705-10	Primary	VA25A7634-001	2025-04-03	<0.000050	4.37	<0.000010	2.42	0.0653	<0.50	<0.000010	<0.00010	0.00336	0.000130	<0.00050	<0.0010	0.0050	<0.050
	705-10	Primary	VA25B0438-003	2025-05-05	<0.000050	4.14	<0.000010	1.74	0.0429	<0.50	<0.000010	<0.00010	0.00216	0.000220	<0.00050	<0.0010	<0.0050	<0.050
	705-10	Primary	VA25B1094-007	2025-05-12	<0.000050	4.08	<0.000010	1.61	0.0448	<0.50	<0.000010	<0.00010	0.00183	0.000188	<0.00050	<0.0010	<0.0050	<0.050
	705-10	Primary	VA25B1721-004	2025-05-19	0.000076	4.05	<0.000010	1.58	0.0413	<0.50	<0.000010	<0.00010	0.00268	0.000237	<0.00050	<0.0010	0.0054	<0.050
	705-10	Primary	VA25B2427-004	2025-05-26	0.000051	4.19	<0.000010	1.62	0.0454	<0.50	<0.000010	<0.00010	0.00133	0.000220	<0.00050	<0.0010	<0.0050	<0.050
	705-10	Primary	VA25B3822-004	2025-06-02	0.000053	3.97	<0.000010	1.84	0.0444	<0.50	<0.000010	<0.00010	0.00112	0.000215	<0.00050	<0.0010	0.0061	<0.050
	705-10	Primary	VA25B5784-001	2025-06-25	<0.000050	4.40	<0.000010	2.08	0.0528	<0.50	<0.000010	<0.00010	0.00109	0.000196	<0.00050	<0.0010	0.0223	<0.050
	705-10	Primary	VA25B7427-007	2025-07-14	<0.000050	4.04	<0.000010	2.03	0.0570	<0.50	<0.000010	<0.00010	0.00077	0.000166	<0.00050	<0.0010	<0.0050	<0.050
	705-10	Primary	VA25B9438-002	2025-08-04	<0.000050	3.78	<0.000010	2.33	0.0671	<0.50	<0.000010	<0.00010	<0.00030	0.000108	<0.00050	<0.0010	<0.0050	<0.050
	705-10	Primary	VA25C3699-002	2025-09-09	<0.000050	3.86	<0.000010	2.65	0.0780	<0.50	<0.000010	<0.00010	<0.00030	0.000092	<0.00050	<0.0010	<0.0050	<0.050
	705-10	Primary	VA25C7355-001	2025-10-07	<0.000050	3.60	<0.000010	2.70	0.0749	<0.50	<0.000010	<0.00010	<0.00030	0.000086	<0.00050	<0.0010	<0.0050	<0.050
	705-10	Primary	VA25C7563-008	2025-10-14	<0.000050	3.75	<0.000010	2.58	0.0719	<0.50	<0.000010	<0.00010	<0.00030	0.000083	<0.00050	<0.0010	<0.0050	<0.050
	705-10	Primary	VA25C8047-007	2025-10-18	<0.000050	3.80	<0.000010	2.61	0.0723	<0.50	<0.000010	<0.00010	<0.00030	0.000082	<0.00050	<0.0010	<0.0050	<0.050
	705-10	Primary	VA25C8919-005	2025-10-26	<0.000050	3.53	<0.000010	2.47	0.0613	<0.50	<0.000010	<0.00010	0.00047	0.000091	<0.00050	<0.0010	<0.0050	<0.050
	705-10	Primary	VA25C9101-005	2025-10-29	<0.000050	3.70	<0.000010	2.34	0.0579	<0.50	<0.000010	<0.00010	0.00045	0.000086	<0.00050	<0.0010	<0.0050	<0.050
	705-10	Primary	VA25C9690-001	2025-11-02	<0.000050	3.33	<0.000010	2.38	0.0665	0.56	<0.000010	<0.00010	0.00033	0.000084	<0.00050	<0.0010	<0.0050	<0.050
	705-10	Primary	VA25D3069-001	2025-12-08	<0.000050	2.82	<0.000010	2.51	0.0659	0.84	<0.000010	<0.00010	0.00032	0.000092	<0.00050	<0.0010	<0.0050	<0.050
	705-10	Duplicate	VA25A5321-002	2025-03-05	<0.000050	4.01	<0.000010	2.59	0.0633	0.70	<0.000010	<0.00010	0.00046	0.000117	<0.00050	0.0012	<0.0050	<0.050
	705-10	Duplicate	VA25B1721-005	2025-05-19	0.000072	3.99	<0.000010	1.56	0.0403	<0.50	<0.000010	<0.00010	0.00269	0.000232	<0.00050	<0.0010	0.0066	<0.050
	705-10	Duplicate	VA25C3699-003	2025-09-09	<0.000050	3.82	<0.000010	2.66	0.0788	0.56	<0.000010	<0.00010	<0.00030	0.000092	<0.00050	<0.0010	0.0088	<0.050
	705-10	Duplicate	VA25C7355-002	2025-10-07	<0.000050	3.47	<0.000010	2.70	0.0741	<0.50	<0.000010	<0.00010	<0.00030	0.000089	<0.00050	<0.0010	<0.0050	<0.050
	705-10	Duplicate	VA25C9690-002	2025-11-02	<0.000050	3.52	<0.000010	2.51	0.0672	0.93	<0.000010	<0.00010	0.00046	0.000086	<0.00050	<0.0010	<0.0050	<0.050
Fawnie Creek	FC-01	Primary	VA25A0226-001	2025-01-05	<0.000050	5.19	<0.000010	1.98	0.0474	0.84	<0.000010	<0.00010	<0.00030	0.000042	<0.00050	<0.0010	<0.0050	<0.050
	FC-01	Primary	VA25A2544-001	2025-02-03	<0.000050	5.47	<0.000010	2.19	0.0492	0.61	<0.000010	<0.00010	<0.00030	0.000055	<0.00050	<0.0010	<0.0050	<0.050
	FC-01	Primary	VA25A6295-001	2025-03-19	0.000070	5.47	<0.000010	2.29	0.0521	0.95	<0.000010	<0.00010	<0.00030	0.000079	<0.00050	<0.0010	<0.0050	<0.050
	FC-01	Primary	VA25A7634-002	2025-04-03	<0.000050	5.28	<0.000010	2.41	0.0569	<0.50	<0.000010	<0.00010	<0.00030	0.000077	<0.00050	<0.0010	<0.0050	<0.050
	FC-01	Primary	VA25B0438-007	2025-05-05	<0.000050	4.16	<0.000010	1.38	0.0292	0.69	<0.000010	<0.00010	0.00071	0.000043	<0.00050	<0.0010	0.0057	<0.050
	FC-01	Primary	VA25B1094-006	2025-05-12	<0.000050	4.28	<0.000010	1.25	0.0295	<0.50	<0.000010	<0.00010	0.00044	0.000036	<0.00050	<0.0010	<0.0050	<0.050
	FC-01	Primary	VA25B1721-006	2025-05-19	<0.000050	3.71	<0.000010	1.04	0.0246	<0.50	<0.000010	<0.00010	0.00092	0.000032	<0.00050	0.0018	<0.0050	<0.050
	FC-01	Primary	VA25B2427-005	2025-05-26	<0.000050	4.00	<0.000010	1.01	0.0253	<0.50	<0.000010	<0.00010	0.00055	0.000033	<0.00050	0.0016	<0.0050	<0.050
	FC-01	Primary	VA25B3822-005	2025-06-02	<0.000050	3.76	<0.000010	1.09	0.0239	<0.50	<0.000010	<0.00010	0.00041	0.000030	<0.00050	0.0016	0.0068	<0.050
	FC-01	Primary	VA25B5629-001	2025-06-23	<0.000050	4.46	<0.000010	1.32	0.0301	<0.50	<0.000010	<0.00010	<0.00030	0.000037	<0.00050	0.0010	<0.0050	<0.050
	FC-01	Primary	VA25B7427-006	2025-07-14	<0.000050	4.76	<0.000010	1.46	0.0352	<0.50	<0.000010	<0.00010	<0.00030	0.000034	<0.00050	<0.0010	0.0101	<0.050
	FC-01	Primary	VA25B9438-003	2025-08-04	<0.000050	4.96	<0.000010	1.70	0.0394	<0.50	<0.000010	<0.00010	<0.00030	0.000033	0.00051	<0.0010	<0.0050	<0.050
	FC-01	Primary	VA25C5489-001	2025-09-23	<0.000050	5.54	<0.000010	2.36	0.0538	0.76	<0.000010	<0.00010	<0.00030	0.000047	0.00058	<0.0010	0.0330	<0.050
	FC-01	Primary	VA25C7355-003	2025-10-07	<0.000050	5.18	<0.000010	2.11	0.0494	0.74	<0.000010	<0.00010	<0.00030	0.000041	<0.00050	<0.0010	0.0054	<0.050
	FC-01	Primary	VA25C7563-007	2025-10-14	<0.000050	5.35	<0.000010	2.22	0.0511	0.65	<0.000010	<0.00010	<0.00030	0.000051	<0.00050	<0.0010	<0.0050	<0.050
	FC-01	Primary	VA25C8047-006	2025-10-18	<0.000050	5.56	<0.000010	2.18	0.0535	0.76	0.000012	<0.00010	<0.00030	0.000054	<0.00050	<0.0010	<0.0050	<0.050
	FC-01	Primary	VA25C8919-006	2025-10-27	<0.000050	4.94	<0.000010	1.98	0.0463	0.67	<0.000010	<0.00010	<0.00030	0.000040	<0.00050	<0.0010	<0.0050	<0.050
	FC-01	Primary	VA25C9101-004	2025-10-29	<0.000050	5.13	<0.000010	2.01	0.0450	0.70	<0.000010	<0.00010	<0.00030	0.000043	<0.00050	<0.0010	<0.0050	<0.050
	FC-01	Primary	VA25C9690-003	2025-11-02	<0.000050	4.66	<0.000010	1.98	0.0486	0.56	<0.000010	<0.00010	<0.00030	0.000042	<0.00050	<0.0010	<0.0050	<0.050
	FC-01	Primary	VA25D3069-002	2025-12-08	<0.000050	5.55	<0.000010	2.21	0.0496	0.93	<0.000010	<0.00010	<0.00030	0.000049	<0.00050	<0.0010	0.0074	<0.050
	FC-01	Duplicate	VA25A6295-002	2025-03-19	0.000058	5.38	<0.000010	2.34	0.0524	0.82	<0.000010	<0.00010	<0.00030	0.000078	<0.00050	<0.0010	<0.0050	<0.050

Notes:
'-' indicates parameter was not analyzed.
'<' indicates value was below the detection limit.

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Anions / Nutrients (<i>cont'd</i>)								Organic / Inorganic Carbon				Speciated Metals
					Chloride	Fluoride	Nitrate (as N)	Nitrite (as N)	Total Kjeldahl Nitrogen	Phosphate, Ortho-, Dissolved (as P)	Total Phosphate (as P)	Sulfate (as SO ₄)	Dissolved Organic Carbon	Total Organic Carbon	Total Nitrogen	Ammonia, Un-ionized (as N)	Radium-226
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Davidson Creek	DC-05	Primary	VA25A0824-004	2025-01-12	0.91	0.044	0.149	<0.0010	0.092	0.0049	0.0138	3.35	-	-	3.30	3.44	-
	DC-05	Primary	VA25A2544-005	2025-02-03	0.63	0.044	0.121	<0.0010	0.058	0.0053	0.0091	3.76	-	-	2.51	2.38	-
	DC-05	Primary	VA25A6706-002	2025-03-25	0.63	0.044	0.0780	0.0012	0.068	0.0058	0.0191	3.99	-	<0.001	1.65	2.07	-
	DC-05	Primary	VA25A7611-001	2025-04-04	0.58	0.042	0.143	<0.0010	0.139	0.0028	0.0169	3.29	-	-	3.00	3.13	-
	DC-05	Primary	VA25B0343-008	2025-05-04	0.99	0.025	0.206	<0.0010	0.259	0.0094	0.0250	2.17	-	-	11.3	11.4	-
	DC-05	Primary	VA25B0962-003	2025-05-11	0.87	0.025	0.173	<0.0010	0.262	0.0044	0.0196	2.70	-	-	9.95	10.0	-
	DC-05	Primary	VA25B1482-007	2025-05-14	0.83	0.031	0.135	<0.0010	0.221	0.0024	0.0158	1.94	-	-	9.68	10.0	-
	DC-05	Primary	VA25B2274-005	2025-05-25	0.73	0.028	0.0092	<0.0010	0.295	<0.0010	0.0317	1.74	-	-	10.8	11.2	-
	DC-05	Primary	VA25B2953-004	2025-06-01	0.52	0.027	<0.0050	<0.0010	0.251	<0.0010	0.0182	1.50	-	-	8.35	8.79	-
	DC-05	Primary	VA25B5984-001	2025-06-29	1.10	0.028	0.146	0.0022	0.244	<0.0010	0.0313	1.85	-	<0.0010	6.86	6.92	-
	DC-05	Primary	VA25B6851-002	2025-07-08	0.63	0.043	0.0747	0.0012	0.196	<0.0010	0.0197	2.90	-	-	5.54	5.68	-
	DC-05	Primary	VA25C0003-001	2025-08-10	0.75	0.044	0.0128	<0.0010	0.242	<0.0010	0.0187	4.60	-	<0.0010	5.48	5.18	<0.005
	DC-05	Primary	VA25C5489-003	2025-09-23	1.93	0.035	0.0348	0.0012	0.152	<0.0010	0.0088	3.42	0.180	-	3.28	3.46	-
	DC-05	Primary	VA25C7355-004	2025-10-07	1.37	0.039	0.0280	0.0019	0.186	<0.0010	0.0192	3.59	0.223	-	5.61	5.66	-
	DC-05	Primary	VA25C7563-005	2025-10-14	1.46	0.032	0.0673	0.0024	0.190	<0.0010	0.0074	4.25	0.200	-	3.76	3.92	-
	DC-05	Primary	VA25C8047-004	2025-10-18	0.59	0.037	<0.0050	<0.0010	0.116	<0.0010	0.0065	4.74	0.122	-	3.72	4.23	-
	DC-05	Primary	VA25C9101-010	2025-10-29	0.93	0.027	0.0682	0.0021	0.186	<0.0010	0.0198	4.76	0.253	-	4.89	5.41	-
	DC-05	Primary	VA25C9485-001	2025-10-31	0.88	0.032	0.101	0.0017	0.166	<0.0010	0.0234	5.04	0.254	-	6.02	7.68	-
	DC-05	Primary	VA25D0189-001	2025-11-09	0.81	0.039	0.0273	0.0010	0.135	<0.0010	0.0083	5.98	0.169	-	4.09	4.37	-
	DC-05	Primary	VA25D1021-002	2025-11-16	0.81	0.031	0.0978	<0.0010	0.168	<0.0010	0.0090	5.03	0.229	<0.0010	4.95	5.08	-
	DC-05	Primary	VA25D2832-001	2025-12-05	0.66	0.036	0.123	<0.0010	0.114	<0.0010	0.0069	7.17	0.217	<0.0010	3.05	3.20	<0.005
	DC-05	Duplicate	VA25A0824-005	2025-01-12	0.92	0.044	0.150	<0.0010	0.090	0.0047	0.0138	3.35	-	-	3.20	3.55	-
	DC-05	Duplicate	VA25A7611-002	2025-04-04	0.57	0.043	0.146	<0.0010	0.125	0.0023	0.0160	3.29	-	-	2.96	3.21	-
	DC-05	Duplicate	VA25B6851-003	2025-07-08	0.62	0.042	0.0737	<0.0010	0.199	<0.0010	0.0213	2.89	-	-	5.71	6.11	-
	DC-05	Duplicate	VA25C7563-006	2025-10-14	1.58	0.034	0.0395	0.0023	0.208	<0.0010	0.0089	4.32	0.196	-	3.67	3.89	-
	DC-05	Duplicate	VA25C9485-002	2025-10-31	0.88	0.032	0.102	0.0016	0.174	<0.0010	0.0231	5.03	0.275	-	5.81	5.88	-
	DC-10	Primary	VA25A0824-006	2025-01-12	0.91	0.045	0.153	<0.0010	0.172	0.0044	0.0092	3.48	-	-	3.09	3.10	-
	DC-10	Primary	VA25A2647-001	2025-02-04	0.62	0.039	0.124	<0.0010	0.059	0.0048	0.0116	3.63	-	-	2.48	2.28	-
	DC-10	Primary	VA25A6706-004	2025-03-25	0.65	0.042	0.0853	0.0012	0.056	0.0044	0.0136	4.01	-	-	1.75	1.60	-
	DC-10	Primary	VA25A7611-003	2025-04-04	0.59	0.042	0.126	<0.0010	0.112	0.0027	0.0160	3.50	-	-	2.70	3.16	-
	DC-10	Primary	VA25B0343-009	2025-05-04	0.98	0.025	0.202	<0.0010	0.268	0.0085	0.0224	2.19	-	-	11.1	10.8	-
	DC-10	Primary	VA25B5984-002	2025-06-29	1.06	0.028	0.131	0.0022	0.258	<0.0010	0.0263	1.88	-	-	6.41	6.82	-
	DC-10	Primary	VA25B6851-004	2025-07-08	0.57	0.039	0.0716	<0.0010	0.194	<0.0010	0.0169	2.91	-	-	5.15	5.37	-
	DC-10	Primary	VA25C0017-004	2025-08-10	1.06	0.041	0.0269	<0.0010	0.228	<0.0010	0.0096	4.20	-	-	4.67	4.41	-
	DC-10	Primary	VA25C4751-001	2025-09-15	1.93	0.040	0.0226	0.0014	0.146	<0.0010	0.0067	10.8	0.151	-	2.54	5.53	-
	DC-10	Primary	VA25C9101-011	2025-10-29	0.94	0.033	0.0643	0.0019	0.178	<0.0010	0.0184	4.79	0.237	-	4.89	5.46	-
	DC-10	Primary	VA25D1976-008	2025-11-26	0.74	0.032	0.134	<0.0010	0.130	0.0016	0.0081	7.06	0.235	-	3.67	3.97	-
	DC-10	Primary	VA25D3068-001	2025-12-08	0.63	0.035	0.136	<0.0010	0.087	0.0033	0.0068	7.62	0.218	-	3.10	3.19	-
	DC-10	Duplicate	VA25A6706-005	2025-03-25	0.65	0.042	0.0874	0.0011	0.061	0.0045	0.0131	4.02	-	-	1.51	1.81	-
	DC-15	Primary	VA25A0824-001	2025-01-12	0.76	0.050	0.111	<0.0010	0.064	0.0032	0.0085	3.32	-	-	3.66	2.74	-
DC-15	Primary	VA25A2647-002	2025-02-04	0.53	0.044	0.0903	<0.0010	0.057	0.0042	0.0091	3.20	-	-	1.99	2.08	-	
DC-15	Primary	VA25A6706-007	2025-03-25	0.62	0.042	0.0818	<0.0010	0.053	0.0035	0.0094	3.33	-	<0.001	1.82	1.67	-	
DC-15	Primary	VA25A7611-004	2025-04-04	0.54	0.046	0.0777	<0.0010	0.093	<0.0010	0.0086	3.30	-	-	2.18	2.51	-	
DC-15	Primary	VA25B0962-002	2025-05-11	0.80	0.030	0.163	<0.0010	0.222	0.0031	0.0163	1.90	-	-	9.22	9.23	-	
DC-15	Primary	VA25B5984-003	2025-06-29	0.98	0.032	0.110	0.0014	0.230	0.0015	0.0310	1.88	-	<0.0010	6.59	6.86	-	
DC-15	Primary	VA25B6851-005	2025-07-08	0.55	0.043	0.0315	<0.0010	0.147	<0.0010	0.0099	2.36	-	-	4.91	5.03	-	
DC-15	Primary	VA25B9679-001	2025-08-06	0.89	0.045	<0.0050	<0.0010	0.124	<0.0010	0.0076	3.28	-	0.0058	3.72	3.82	<0.005	
DC-15	Primary	VA25C4967-001	2025-09-17	1.45	0.042	<0.0050	<0.0010	0.125	<0.0010	0.0083	7.11	0.119	-	3.10	3.44	-	
DC-15	Primary	VA25C8358-009	2025-10-20	0.68	0.043	<0.0050	<0.0010	0.101	<0.0010	0.0079	4.33	0.101	-	3.07	2.92	-	
DC-15	Primary	VA25C9695-001	2025-11-03	0.77	0.036	0.0504	<0.0010	0.103	0.0015	0.0087	4.43	0.192	<0.0010	4.13	4.01	-	
DC-15	Primary	VA25D3068-002	2025-12-08	<0.50	0.042	0.0879	<0.0010	0.066	0.0016	0.0081	4.83	0.161	-	2.61	3.00	-	
DC-15	Duplicate	VA25D3068-003	2025-12-08	0.52	0.043	0.0880	<0.0010	0.084	0.0035	0.0072	4.86	0.155	-	2.57	2.79	-	
DC-20	Primary	VA25A0964-001	2025-01-13	0.84	0.046	0.0832	<0.0010	0.157	0.0012	0.0101	3.01	-	-	3.76	3.30	-	

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Anions / Nutrients (<i>cont'd</i>)								Organic / Inorganic Carbon				Speciated Metals
					Chloride	Fluoride	Nitrate (as N)	Nitrite (as N)	Total Kjeldahl Nitrogen	Phosphate, Ortho-, Dissolved (as P)	Total Phosphate (as P)	Sulfate (as SO ₄)	Dissolved Organic Carbon	Total Organic Carbon	Total Nitrogen	Ammonia, Un-ionized (as N)	Radium-226
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Davidson Creek (<i>cont'd</i>)	DC-20	Primary	VA25A2647-003	2025-02-04	0.68	0.044	0.0720	<0.0010	0.275	0.0028	0.0110	3.01	-	-	2.38	2.90	-
	DC-20	Primary	VA25A4955-001	2025-03-04	0.57	0.048	0.0634	<0.0010	0.132	<0.0010	0.0130	3.06	-	-	3.16	2.87	-
	DC-20	Primary	VA25A7310-003	2025-04-01	0.62	0.049	0.0587	<0.0010	0.314	0.0016	0.0238	2.94	-	-	3.68	3.86	-
	DC-20	Primary	VA25B0343-010	2025-05-04	0.92	0.031	0.108	<0.0010	0.259	0.0041	0.0192	2.21	-	-	10.8	10.6	-
	DC-20	Primary	VA25B0962-001	2025-05-11	0.80	0.035	0.0977	<0.0010	0.208	0.0022	0.0126	1.99	-	-	9.39	8.85	-
	DC-20	Primary	VA25B1482-008	2025-05-14	0.81	0.039	0.0482	<0.0010	0.219	0.0012	0.0120	2.12	-	-	9.13	9.22	-
	DC-20	Primary	VA25B2274-006	2025-05-25	0.70	0.036	<0.0050	<0.0010	0.234	<0.0010	0.0114	1.96	-	-	11.2	11.0	-
	DC-20	Primary	VA25B2953-005	2025-06-01	0.70	0.034	<0.0050	<0.0010	0.218	0.0014	0.0147	1.65	-	-	7.85	8.36	-
	DC-20	Primary	VA25B5722-003	2025-06-23	<0.50	0.035	0.0077	<0.0010	0.170	0.0019	0.0182	2.20	-	-	5.84	6.35	-
	DC-20	Primary	VA25B6834-003	2025-07-07	0.89	0.039	0.0119	0.0011	0.180	0.0022	0.0129	1.88	-	-	5.92	6.06	-
	DC-20	Primary	VA25C0017-001	2025-08-10	0.87	0.046	<0.0050	<0.0010	0.176	0.0048	0.0151	2.93	-	-	4.88	4.92	-
	DC-20	Primary	VA25C4967-002	2025-09-17	1.24	0.039	<0.0050	<0.0010	0.139	0.0059	0.0154	5.21	0.135	-	4.76	4.04	-
	DC-20	Primary	VA25C6908-003	2025-10-08	1.00	0.045	<0.0050	<0.0010	0.123	0.0050	0.0141	2.80	0.129	-	4.41	4.79	-
	DC-20	Primary	VA25C7563-003	2025-10-14	0.98	0.040	<0.0050	<0.0010	0.197	0.0041	0.0157	3.05	0.127	-	3.81	4.23	-
	DC-20	Primary	VA25C8358-002	2025-10-20	0.89	0.044	<0.0050	<0.0010	0.106	0.0049	0.0106	3.54	0.110	-	3.46	3.71	-
	DC-20	Primary	VA25C9101-002	2025-10-29	0.92	0.041	<0.0050	<0.0010	0.115	0.0042	0.0131	3.80	0.120	-	4.24	4.64	-
	DC-20	Primary	VA25C9485-003	2025-10-31	0.87	0.043	<0.0050	<0.0010	0.111	0.0032	0.0116	3.97	0.113	-	4.58	4.84	-
	DC-20	Primary	VA25D1976-004	2025-11-26	0.68	0.043	0.0209	<0.0010	0.114	0.0054	0.0125	4.58	0.125	-	3.47	3.77	-
	DC-20	Primary	VA25D3068-004	2025-12-08	0.53	0.041	0.0445	<0.0010	0.103	0.0041	0.0098	4.55	0.121	-	2.88	2.99	-
	DC-20	Duplicate	VA25B2953-006	2025-06-01	0.70	0.034	<0.0050	<0.0010	0.215	0.0017	0.0151	1.64	-	-	7.92	8.24	-
	DC-20	Duplicate	VA25C0017-002	2025-08-10	0.86	0.046	<0.0050	<0.0010	0.203	0.0047	0.0210	2.86	-	-	4.63	4.97	-
Creek 661	661-01	Primary	VA25A1481-001	2025-01-20	<0.50	0.025	0.0504	<0.0010	0.143	0.0013	0.0052	0.46	-	-	5.60	6.01	-
	661-01	Primary	VA25A8806-004	2025-04-15	<0.50	0.025	<0.0050	<0.0010	0.219	<0.0010	0.0092	0.31	-	-	8.13	8.25	-
	661-01	Primary	VA25B0343-004	2025-05-04	<0.50	0.023	<0.0050	<0.0010	0.402	0.0025	0.0228	0.32	-	-	15.8	15.3	-
	661-01	Primary	VA25B0962-005	2025-05-11	<0.50	0.023	<0.0050	<0.0010	0.330	0.0013	0.0121	<0.30	-	-	13.5	13.5	-
	661-01	Primary	VA25B1482-002	2025-05-14	<0.50	0.027	<0.0050	<0.0010	0.304	<0.0010	0.0112	0.32	-	-	13.5	14.0	-
	661-01	Primary	VA25B2274-001	2025-05-25	<0.50	0.024	<0.0050	<0.0010	0.292	<0.0010	0.0096	0.33	-	-	14.0	14.6	-
	661-01	Primary	VA25B2953-001	2025-06-01	<0.50	0.022	<0.0050	<0.0010	0.281	<0.0010	0.0082	0.33	-	-	11.9	12.0	-
	661-01	Primary	VA25B5722-006	2025-06-23	<0.50	0.024	<0.0050	<0.0010	0.199	<0.0010	0.0056	<0.30	-	-	8.74	8.94	-
	661-01	Primary	VA25B7427-010	2025-07-14	<0.50	0.024	<0.0050	<0.0010	0.198	<0.0010	0.0059	<0.30	-	-	6.97	7.47	-
	661-01	Primary	VA25C0216-002	2025-08-11	<0.50	0.024	0.0467	<0.0010	0.141	<0.0010	0.0027	<0.30	-	-	5.08	4.84	-
	661-01	Primary	VA25C5489-005	2025-09-24	<0.50	0.023	0.0470	<0.0010	0.150	<0.0010	0.0096	0.39	0.235	-	4.26	4.32	-
	661-01	Primary	VA25C5617-001	2025-09-22	<0.50	0.030	0.0347	<0.0010	0.149	<0.0010	0.0052	0.43	0.160	-	4.10	4.69	-
	661-01	Primary	VA25C6039-001	2025-09-30	<0.50	0.026	0.0139	<0.0010	0.104	<0.0010	0.0035	0.63	0.119	-	3.64	3.70	-
	661-01	Primary	VA25C7355-006	2025-10-07	<0.50	0.030	0.0220	<0.0010	0.087	<0.0010	0.0036	0.56	0.111	-	3.59	3.69	-
	661-01	Primary	VA25C7416-001	2025-10-13	<0.50	0.022	0.0473	<0.0010	0.141	<0.0010	0.0040	0.54	0.184	-	3.90	3.88	-
	661-01	Primary	VA25C8047-003	2025-10-18	<0.50	0.025	0.0352	<0.0010	0.233	<0.0010	0.0257	0.52	0.284	-	3.85	5.02	-
	661-01	Primary	VA25C8919-001	2025-10-26	<0.50	0.028	0.0068	<0.0010	0.093	<0.0010	0.0030	0.66	0.094	-	3.19	3.23	-
	661-01	Primary	VA25C9101-009	2025-10-29	<0.50	0.024	0.118	<0.0010	0.106	<0.0010	0.0063	0.92	0.110	-	3.37	3.35	-
	661-01	Primary	VA25D0570-002	2025-11-12	<0.50	0.026	0.0197	<0.0010	0.080	<0.0010	0.0037	0.56	0.102	-	2.83	2.72	-
	661-01	Primary	VA25D3435-001	2025-12-12	<0.50	0.027	0.0290	<0.0010	0.144	<0.0010	0.0044	0.45	0.181	-	4.93	4.77	-
	661-01	Duplicate	VA25B1482-003	2025-05-14	<0.50	0.026	<0.0050	<0.0010	0.316	<0.0010	0.0126	0.31	-	-	14.2	13.9	-
	661-01	Duplicate	VA25C5489-006	2025-09-24	<0.50	0.023	0.0462	<0.0010	0.107	<0.0010	0.0024	0.38	0.149	-	4.13	4.42	-
	661-01	Duplicate	VA25C6039-002	2025-09-30	<0.50	0.026	0.0240	<0.0010	0.147	<0.0010	0.0072	0.66	0.180	-	3.92	4.08	-
	661-01	Duplicate	VA25D3435-002	2025-12-12	<0.50	0.027	0.0294	<0.0010	0.143	<0.0010	0.0045	0.45	0.176	-	4.86	4.99	-
	661-03	Primary	VA25A0356-001	2025-01-06	<0.50	0.043	0.0874	<0.0010	0.193	<0.0010	0.0061	1.43	-	-	8.68	8.75	-
	661-03	Primary	VA25A8806-002	2025-04-15	0.94	0.045	0.0072	<0.0010	0.635	0.0011	0.0319	1.15	-	-	22.2	23.8	-
	661-03	Primary	VA25B0343-005	2025-05-04	0.55	0.042	<0.0050	<0.0010	0.518	<0.0010	0.0180	0.52	-	-	25.0	22.5	-
	661-03	Primary	VA25B5529-003	2025-06-24	<0.50	0.046	0.0074	<0.0010	0.220	<0.0010	0.0093	0.82	-	-	7.63	8.11	-
	661-03	Primary	VA25B7427-001	2025-07-14	<0.50	0.046	0.0119	<0.0010	0.132	<0.0010	0.0048	0.98	-	-	4.88	5.23	-
	661-03	Primary	VA25C4972-001	2025-09-19	<0.50	0.050	<0.0050	<0.0010	0.072	<0.0010	0.0043	1.12	0.064	-	2.10	2.15	-
	661-03	Primary	VA25D0189-002	2025-11-10	<0.50	0.052	0.0442	<0.0010	0.225	<0.0010	0.0060	7.23	0.241	-	7.04	7.26	-
	661-04	Primary	VA25A1481-002	2025-01-20	1.10	0.054	0.180	<0.0010	0.064	0.0138	0.0195	4.75	-	-	2.22	2.96	-

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Anions / Nutrients (<i>cont'd</i>)								Organic / Inorganic Carbon				Speciated Metals
					Chloride	Fluoride	Nitrate (as N)	Nitrite (as N)	Total Kjeldahl Nitrogen	Phosphate, Ortho-, Dissolved (as P)	Total Phosphate (as P)	Sulfate (as SO ₄)	Dissolved Organic Carbon	Total Organic Carbon	Total Nitrogen	Ammonia, Un-ionized (as N)	Radium-226
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Creek 661 (<i>cont'd</i>)	661-04	Primary	VA25A4183-004	2025-02-24	0.96	0.049	0.309	<0.0010	0.071	0.0193	0.0273	3.62	-	-	1.73	1.66	-
	661-04	Primary	VA25A5225-001	2025-03-07	1.02	0.046	0.256	<0.0010	0.088	0.0165	0.0438	4.18	-	-	2.52	2.49	-
	661-04	Primary	VA25A8451-001	2025-04-14	1.36	0.038	0.121	<0.0010	0.228	0.0112	0.0374	4.79	-	-	8.85	8.62	-
	661-04	Primary	VA25B0438-001	2025-05-05	0.52	0.030	<0.0050	<0.0010	0.306	0.0086	0.0235	2.48	-	-	14.0	13.9	-
	661-04	Primary	VA25B5932-001	2025-06-27	<0.50	0.041	<0.0050	<0.0010	0.181	0.0058	0.0217	1.22	-	-	7.15	7.52	-
	661-04	Primary	VA25B7427-009	2025-07-14	0.50	0.040	<0.0050	<0.0010	0.169	0.0071	0.0267	0.93	-	-	6.01	6.10	-
	661-04	Primary	VA25C0216-003	2025-08-11	0.60	0.048	<0.0050	<0.0010	0.173	0.0067	0.0228	0.70	-	-	4.37	5.01	-
	661-04	Primary	VA25C4967-005	2025-09-17	1.07	0.046	<0.0050	<0.0010	0.101	0.0079	0.0157	2.81	0.095	-	3.49	3.07	-
	661-04	Primary	VA25C7416-002	2025-10-13	1.10	0.044	0.0542	0.0013	0.111	0.0037	0.0120	4.81	0.172	-	3.23	3.43	-
	661-04	Primary	VA25D1159-004	2025-11-18	1.14	0.050	0.176	<0.0010	0.094	0.0044	0.0139	4.85	0.279	-	3.08	3.31	-
	661-04	Primary	VA25D3210-001	2025-12-09	0.99	0.053	0.364	<0.0010	0.064	0.0122	0.0134	3.37	0.372	-	2.51	2.30	-
	661-04	Duplicate	VA25A1481-003	2025-01-20	1.10	0.046	0.180	<0.0010	0.064	0.0136	0.0190	4.75	-	-	2.22	2.49	-
	661-04	Duplicate	VA25A8451-002	2025-04-14	1.35	0.040	0.123	<0.0010	0.234	0.0113	0.0358	4.78	-	-	10.2	8.65	-
	661-04	Duplicate	VA25B5932-002	2025-06-27	<0.50	0.041	<0.0050	<0.0010	0.172	0.0061	0.0227	1.21	-	-	7.64	8.07	-
	661-04	Duplicate	VA25C4967-006	2025-09-17	1.08	0.050	<0.0050	<0.0010	0.104	0.0075	0.0156	2.82	0.092	-	3.10	3.18	-
	661-05	Primary	VA25A0964-002	2025-01-13	<0.50	0.061	0.0553	<0.0010	0.060	0.0367	0.0473	1.37	-	-	2.07	2.17	-
	661-05	Primary	VA25A4211-002	2025-02-18	<0.50	0.065	0.0618	<0.0010	0.080	0.0408	0.0576	1.30	-	-	1.19	2.24	-
	661-05	Primary	VA25A5225-002	2025-03-07	<0.50	0.056	0.0569	<0.0010	0.082	0.0401	0.0629	1.29	-	-	1.75	1.66	-
	661-05	Primary	VA25A8806-001	2025-04-15	0.83	0.041	0.0529	<0.0010	0.369	0.0237	0.0858	1.41	-	-	8.29	10.7	-
	661-05	Primary	VA25B0343-006	2025-05-04	0.71	0.037	0.0282	<0.0010	0.244	0.0165	0.0364	1.24	-	-	10.2	12.2	-
	661-05	Primary	VA25B5932-003	2025-06-27	<0.50	0.048	<0.0050	<0.0010	0.155	0.0256	0.0445	0.73	-	-	6.56	6.95	-
	661-05	Primary	VA25B6851-001	2025-07-08	<0.50	0.057	<0.0050	<0.0010	0.121	0.0304	0.0432	1.13	-	-	3.88	3.99	-
	661-05	Primary	VA25C0216-001	2025-08-11	<0.50	0.056	<0.0050	<0.0010	0.089	0.0370	0.0458	0.97	-	-	2.21	2.04	-
	661-05	Primary	VA25C3886-001	2025-09-10	<0.50	0.063	0.0200	<0.0010	0.052	0.0435	0.0533	1.09	0.088	-	1.67	1.79	-
	661-05	Primary	VA25C8345-001	2025-10-21	<0.50	0.062	<0.0050	<0.0010	0.075	0.0393	0.0507	1.32	0.084	-	2.02	2.59	-
	661-05	Primary	VA25D0570-003	2025-11-12	<0.50	0.052	0.0354	<0.0010	0.085	0.0368	0.0504	1.40	0.140	-	3.05	3.29	-
	661-05	Primary	VA25D3210-002	2025-12-09	<0.50	0.062	0.0646	<0.0010	0.058	0.0423	0.0514	1.44	0.115	-	1.35	1.73	-
	661-05	Duplicate	VA25A0964-003	2025-01-13	<0.50	0.058	0.0551	<0.0010	0.076	0.0369	0.0474	1.38	-	-	1.82	1.94	-
	661-10	Primary	VA25A0356-002	2025-01-06	0.71	0.040	0.0947	<0.0010	0.115	0.0071	0.0160	2.74	-	-	4.70	4.82	-
	661-10	Primary	VA25A4211-001	2025-02-18	1.18	0.050	0.212	0.0019	0.380	0.0093	0.0406	3.41	-	-	5.51	5.80	-
	661-10	Primary	VA25A5381-001	2025-03-10	0.76	0.046	0.152	<0.0010	0.144	0.0073	0.0299	2.96	-	-	3.94	4.27	-
	661-10	Primary	VA25A8806-003	2025-04-15	1.06	0.039	0.108	<0.0010	0.424	0.0075	0.0426	3.02	-	-	14.9	15.5	-
	661-10	Primary	VA25B0343-007	2025-05-04	<0.50	0.028	0.0088	<0.0010	0.477	0.0035	0.0334	1.03	-	-	16.9	17.1	-
	661-10	Primary	VA25B0962-007	2025-05-11	<0.50	0.030	0.0056	<0.0010	0.370	0.0038	0.0184	0.90	-	-	14.1	14.5	-
	661-10	Primary	VA25B1482-004	2025-05-14	<0.50	0.035	<0.0050	<0.0010	0.275	0.0029	0.0175	0.91	-	-	14.3	14.5	-
	661-10	Primary	VA25B2274-002	2025-05-25	<0.50	0.033	<0.0050	<0.0010	0.299	0.0031	0.0140	1.10	-	-	14.7	15.0	-
	661-10	Primary	VA25B2953-002	2025-06-01	<0.50	0.033	<0.0050	<0.0010	0.254	0.0044	0.0150	1.05	-	-	12.6	12.8	-
	661-10	Primary	VA25B5529-004	2025-06-24	<0.50	0.037	<0.0050	<0.0010	0.434	0.0113	0.0422	0.66	-	-	12.4	13.3	-
	661-10	Primary	VA25B7427-002	2025-07-14	<0.50	0.040	0.0091	0.0013	0.451	0.0223	0.0472	0.54	-	-	12.6	13.1	-
	661-10	Primary	VA25C0216-004	2025-08-11	<0.50	0.050	0.0470	0.0018	0.738	0.0551	0.0994	<0.30	-	-	19.6	20.5	-
	661-10	Primary	VA25C5489-002	2025-09-23	0.71	0.053	0.0272	0.0022	0.421	0.0338	0.0647	1.57	0.429	-	10.8	11.2	-
	661-10	Primary	VA25C7416-003	2025-10-13	0.76	0.046	0.0095	0.0016	0.335	0.0148	0.0385	2.33	0.298	-	7.60	8.34	-
	661-10	Primary	VA25C8047-001	2025-10-18	0.68	0.046	0.0148	0.0010	0.215	0.0132	0.0308	2.02	0.254	-	6.75	6.90	-
	661-10	Primary	VA25C8919-002	2025-10-26	1.25	0.045	<0.0050	<0.0010	0.264	0.0095	0.0345	2.47	0.297	-	6.83	7.58	-
	661-10	Primary	VA25C9099-002	2025-10-28	1.20	0.042	<0.0050	<0.0010	0.273	0.0108	0.0299	2.84	0.246	-	6.91	7.07	-
	661-10	Primary	VA25D0189-003	2025-11-10	0.86	0.048	0.0218	<0.0010	0.228	0.0118	0.0290	2.65	0.264	-	6.96	7.25	-
661-10	Primary	VA25D4214-001	2025-12-26	0.72	0.037	0.105	0.0019	0.193	0.0076	0.0237	3.39	0.304	-	5.35	5.67	-	
661-10	Duplicate	VA25A0356-003	2025-01-06	0.73	0.040	0.0979	0.0010	0.142	0.0065	0.0159	2.77	-	-	4.48	4.74	-	
661-10	Duplicate	VA25B1482-005	2025-05-14	<0.50	0.036	<0.0050	<0.0010	0.319	0.0029	0.0166	0.92	-	-	14.4	14.8	-	
661-10	Duplicate	VA25B2274-003	2025-05-25	<0.50	0.033	<0.0050	<0.0010	0.296	0.0033	0.0332	1.10	-	-	15.0	15.2	-	
661-20	Primary	VA25A4598-001	2025-02-28	<0.50	0.059	0.0480	<0.0010	0.060	0.0247	0.0319	2.95	-	-	1.70	1.94	-	
661-20	Primary	VA25A7611-006	2025-04-04	0.53	0.058	0.0461	<0.0010	0.343	0.0461	0.0707	4.75	-	-	9.53	9.51	-	
661-20	Primary	VA25B7427-005	2025-07-14	<0.50	0.055	<0.0050	<0.0010	0.162	0.0182	0.0263	1.90	-	-	4.95	5.01	-	

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Anions / Nutrients (<i>cont'd</i>)								Organic / Inorganic Carbon				Speciated Metals
					Chloride	Fluoride	Nitrate (as N)	Nitrite (as N)	Total Kjeldahl Nitrogen	Phosphate, Ortho-, Dissolved (as P)	Total Phosphate (as P)	Sulfate (as SO ₄)	Dissolved Organic Carbon	Total Organic Carbon	Total Nitrogen	Ammonia, Un-ionized (as N)	Radium-226
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Creek 661 (<i>cont'd</i>)	661-20	Primary	VA25D0189-004	2025-11-10	<0.50	0.067	<0.0050	<0.0010	0.111	0.0188	0.0234	3.23	0.121	-	3.52	3.36	-
	661-20	Duplicate	VA25D0189-005	2025-11-10	<0.50	0.063	<0.0050	<0.0010	0.208	0.0175	0.0380	2.77	0.180	-	3.60	4.47	-
Turtle Creek	TC-01	Primary	VA25A1845-005	2025-01-26	<0.50	0.040	0.0743	<0.0010	0.135	0.0013	0.0110	1.84	-	-	0.82	1.19	-
	TC-01	Primary	VA25A5560-004	2025-03-11	<0.50	0.040	0.0781	<0.0010	0.127	<0.0010	0.0307	1.83	-	-	0.90	1.06	-
	TC-01	Primary	VA25A8058-006	2025-04-09	<0.50	0.045	0.0721	<0.0010	0.054	0.0014	0.0059	2.13	-	-	1.24	1.47	-
	TC-01	Primary	VA25B1312-001	2025-05-13	<0.50	0.042	0.0573	<0.0010	0.072	0.0025	0.0072	2.00	-	-	1.07	1.08	-
	TC-01	Primary	VA25B5722-005	2025-06-23	<0.50	0.038	0.0242	<0.0010	0.235	0.0031	0.0131	2.63	-	-	4.93	5.39	-
	TC-01	Primary	VA25B6834-005	2025-07-07	<0.50	0.040	0.0194	<0.0010	0.359	0.0016	0.0185	2.14	-	-	5.15	5.55	-
	TC-01	Primary	VA25B9366-001	2025-08-04	<0.50	0.035	0.0232	<0.0010	0.198	0.0029	0.0102	1.42	-	-	3.42	3.57	-
	TC-01	Primary	VA25C4967-003	2025-09-17	<0.50	0.037	0.0195	<0.0010	0.131	0.0025	0.0102	1.32	0.141	-	2.32	2.35	-
	TC-01	Primary	VA25C8358-006	2025-10-20	<0.50	0.039	0.0432	<0.0010	0.083	0.0023	0.0061	2.32	0.137	-	1.33	1.42	-
	TC-01	Primary	VA25D1976-007	2025-11-26	<0.50	0.039	0.0838	<0.0010	0.168	<0.0010	0.0099	2.10	0.260	-	1.01	2.25	-
	TC-01	Primary	VA25D3939-001	2025-12-17	<0.50	0.044	0.0577	<0.0010	0.309	<0.0010	0.0145	2.06	0.326	-	1.70	3.15	-
	TC-05	Primary	VA25A1845-004	2025-01-26	<0.50	0.058	0.0302	<0.0010	0.086	0.0028	0.0094	4.54	-	-	3.49	3.30	-
	TC-05	Primary	VA25A4183-001	2025-02-24	<0.50	0.062	0.0391	<0.0010	0.106	0.0033	0.0131	4.58	-	-	2.76	2.80	-
	TC-05	Primary	VA25A5268-003	2025-03-09	<0.50	0.061	0.0253	<0.0010	0.173	0.0030	0.0124	4.61	-	-	3.51	3.22	-
	TC-05	Primary	VA25A8058-005	2025-04-09	<0.50	0.053	<0.0050	<0.0010	0.140	0.0038	0.0141	3.57	-	-	4.85	5.10	-
	TC-05	Primary	VA25B1312-002	2025-05-13	<0.50	0.041	<0.0050	<0.0010	0.298	0.0015	0.0138	1.73	-	-	14.3	14.6	-
	TC-05	Primary	VA25B5722-004	2025-06-23	<0.50	0.047	<0.0050	<0.0010	0.246	0.0034	0.0148	2.10	-	-	9.12	9.52	-
	TC-05	Primary	VA25B6834-004	2025-07-07	<0.50	0.053	<0.0050	<0.0010	0.244	0.0030	0.0165	2.10	-	-	7.95	8.60	-
	TC-05	Primary	VA25B9366-002	2025-08-04	<0.50	0.060	<0.0050	<0.0010	0.286	0.0042	0.0186	1.84	-	-	7.77	8.49	-
	TC-05	Primary	VA25C4967-004	2025-09-17	<0.50	0.059	<0.0050	<0.0010	0.207	0.0043	0.0153	2.54	0.191	-	5.74	6.11	-
	TC-05	Primary	VA25C8346-001	2025-10-22	0.52	0.054	0.0103	<0.0010	0.150	<0.0010	0.0132	3.31	0.266	-	4.21	4.39	-
	TC-05	Primary	VA25D1976-006	2025-11-26	<0.50	0.053	0.0082	<0.0010	0.120	0.0031	0.0093	4.30	0.121	-	3.43	3.60	-
	TC-05	Primary	VA25D3939-002	2025-12-17	<0.50	0.054	0.0108	<0.0010	0.300	0.0025	0.0196	3.22	0.337	-	3.56	4.56	-
	TC-05	Duplicate	VA25B1312-003	2025-05-13	<0.50	0.039	<0.0050	<0.0010	0.296	0.0016	0.0116	1.73	-	-	14.7	15.0	-
	TC-10	Primary	VA25A2544-002	2025-02-03	<0.50	0.065	0.0166	<0.0010	0.104	0.0034	0.0099	4.72	-	-	3.34	3.33	-
	TC-10	Primary	VA25B1312-004	2025-05-13	<0.50	0.052	<0.0050	<0.0010	0.340	0.0021	0.0122	2.26	-	-	13.6	13.9	-
	TC-10	Primary	VA25B6834-006	2025-07-07	<0.50	0.063	<0.0050	<0.0010	0.266	0.0036	0.0109	1.42	-	-	9.04	9.18	-
	TC-10	Primary	VA25C3699-001	2025-09-09	<0.50	0.082	<0.0050	<0.0010	0.275	0.0073	0.0225	0.68	-	-	7.57	8.24	-
	TC-10	Primary	VA25C9690-004	2025-11-03	0.55	0.065	<0.0050	<0.0010	0.151	0.0037	0.0105	3.41	0.149	-	4.62	4.67	-
	TC-15	Primary	VA25B1312-005	2025-05-13	<0.50	0.059	<0.0050	<0.0010	0.251	0.0018	0.0091	2.47	-	-	10.9	10.9	-
Chedakuz Creek	CC-03	Primary	VA25A0356-004	2025-01-06	<0.50	0.068	0.0795	0.0015	0.219	0.0085	0.0178	5.51	-	-	5.40	5.66	-
	CC-03	Primary	VA25A4598-002	2025-02-28	<0.50	0.069	0.0528	<0.0010	0.287	0.0104	0.0203	4.23	-	-	6.87	6.95	-
	CC-03	Primary	VA25A5381-002	2025-03-10	<0.50	0.069	0.0510	<0.0010	0.270	0.0106	0.0199	4.09	-	-	6.05	6.28	-
	CC-03	Primary	VA25A8257-001	2025-04-10	<0.50	0.051	0.0178	<0.0010	0.377	0.0114	0.0359	3.56	-	-	11.1	11.5	-
	CC-03	Primary	VA25B0343-001	2025-05-04	<0.50	0.050	0.0106	<0.0010	0.452	0.0052	0.0234	1.99	-	-	11.0	10.9	-
	CC-03	Primary	VA25B0962-006	2025-05-11	<0.50	0.060	0.0061	<0.0010	0.414	0.0035	0.0177	2.00	-	-	10.8	11.0	-
	CC-03	Primary	VA25B1482-001	2025-05-14	<0.50	0.062	0.0080	<0.0010	0.418	0.0036	0.0185	2.62	-	-	10.9	11.0	-
	CC-03	Primary	VA25B2274-004	2025-05-25	<0.50	0.058	0.0115	<0.0010	0.528	0.0029	0.0209	2.70	-	-	12.8	13.2	-
	CC-03	Primary	VA25B2953-003	2025-06-01	<0.50	0.056	0.0109	<0.0010	0.476	0.0033	0.0202	2.99	-	-	10.1	10.4	-
	CC-03	Primary	VA25B5529-001	2025-06-24	<0.50	0.056	0.0071	<0.0010	0.293	0.0100	0.0234	6.49	-	-	7.32	8.59	-
	CC-03	Primary	VA25B7427-003	2025-07-14	<0.50	0.058	<0.0050	<0.0010	0.213	0.0097	0.0190	7.35	-	-	5.98	6.60	-
	CC-03	Primary	VA25C0216-005	2025-08-11	<0.50	0.070	<0.0050	<0.0010	0.247	0.0099	0.0200	4.60	-	-	6.07	6.18	-
	CC-03	Primary	VA25C4972-002	2025-09-19	<0.50	0.062	<0.0050	<0.0010	0.189	0.0105	0.0203	4.19	0.186	-	4.86	4.91	-
	CC-03	Primary	VA25C7355-005	2025-10-07	<0.50	0.076	<0.0050	<0.0010	0.142	0.0087	0.0151	6.31	0.152	-	4.03	4.22	-
	CC-03	Primary	VA25C7416-004	2025-10-13	<0.50	0.068	<0.0050	<0.0010	0.192	0.0087	0.0192	6.71	0.158	-	4.04	4.48	-
	CC-03	Primary	VA25C8047-002	2025-10-18	<0.50	0.075	<0.0050	<0.0010	0.114	0.0074	0.0136	6.41	0.129	-	3.99	4.09	-
	CC-03	Primary	VA25C8919-003	2025-10-26	<0.50	0.065	<0.0050	<0.0010	0.150	0.0062	0.0144	7.93	0.146	-	4.22	4.33	-
	CC-03	Primary	VA25C9099-001	2025-10-28	<0.50	0.059	<0.0050	<0.0010	0.129	0.0076	0.0141	7.78	0.132	-	3.84	3.97	-
	CC-03	Primary	VA25D0189-006	2025-11-10	<0.50	0.072	<0.0050	<0.0010	0.142	0.0086	0.0136	7.96	0.136	-	3.69	4.20	-
	CC-03	Primary	VA25D4214-002	2025-12-26	<0.50	0.059	0.107	0.0016	0.223	0.0101	0.0207	8.06	0.327	-	3.45	3.74	-
	CC-03	Duplicate	VA25A5381-003	2025-03-10	<0.50	0.066	0.0575	<0.0010	0.280	0.0103	0.0196	4.10	-	-	6.29	6.21	-

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Anions / Nutrients (<i>cont'd</i>)								Organic / Inorganic Carbon				Speciated Metals
					Chloride	Fluoride	Nitrate (as N)	Nitrite (as N)	Total Kjeldahl Nitrogen	Phosphate, Ortho-, Dissolved (as P)	Total Phosphate (as P)	Sulfate (as SO ₄)	Dissolved Organic Carbon	Total Organic Carbon	Total Nitrogen	Ammonia, Un-ionized (as N)	Radium-226
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Chedakuz Creek (<i>cont'd</i>)	CC-03	Duplicate	VA25B0962-008	2025-05-11	<0.50	0.060	0.0061	<0.0010	0.400	0.0035	0.0168	1.96	-	-	10.6	10.7	-
	CC-03	Duplicate	VA25B5529-002	2025-06-24	<0.50	0.056	0.0073	<0.0010	0.283	0.0105	0.0223	6.46	-	-	7.48	8.36	-
	CC-03	Duplicate	VA25C8919-004	2025-10-26	<0.50	0.063	<0.0050	<0.0010	0.140	0.0064	0.0152	7.92	0.137	-	4.12	4.28	-
	CC-03	Duplicate	VA25D4214-003	2025-12-26	<0.50	0.061	0.107	0.0015	0.219	0.0104	0.0212	8.02	0.315	-	3.47	3.62	-
	CC-05	Primary	VA25A4598-003	2025-02-28	<0.50	0.063	0.0510	<0.0010	0.213	0.0169	0.0264	4.14	-	-	5.43	5.78	-
	CC-05	Primary	VA25B0343-002	2025-05-04	<0.50	0.043	0.0062	<0.0010	0.494	0.0051	0.0349	1.98	-	-	14.2	15.2	-
	CC-05	Primary	VA25B7427-004	2025-07-14	<0.50	0.054	<0.0050	<0.0010	0.224	0.0125	0.0235	4.49	-	-	6.07	6.21	-
	CC-05	Primary	VA25D0189-007	2025-11-10	<0.50	0.065	0.0240	<0.0010	0.138	0.0109	0.0198	5.43	0.166	-	3.93	4.25	-
	CC-05	Duplicate	VA25A4598-004	2025-02-28	<0.50	0.069	0.0518	<0.0010	0.224	0.0170	0.0331	4.17	-	-	5.62	5.70	-
	CC-05	Duplicate	VA25B0343-003	2025-05-04	<0.50	0.044	0.0062	<0.0010	0.493	0.0053	0.0393	1.99	-	-	14.8	15.9	-
	CC-10	Primary	VA25A3507-005	2025-02-17	<0.50	0.070	0.107	0.0015	0.258	0.0177	0.0279	4.33	-	-	8.06	7.91	-
	CC-10	Primary	VA25B1482-006	2025-05-14	<0.50	0.064	0.0734	0.0021	0.290	0.0104	0.0322	4.01	-	-	6.70	7.10	-
	CC-10	Primary	VA25B9374-003	2025-08-03	<0.50	0.052	<0.0050	<0.0010	0.349	<0.0010	0.0116	3.67	-	-	7.77	8.12	-
	CC-10	Primary	VA25D1976-005	2025-11-26	<0.50	0.058	0.0490	<0.0010	0.294	0.0141	0.0258	3.93	0.355	-	6.75	6.95	-
	CC-15	Primary	VA25A0964-004	2025-01-13	<0.50	0.060	0.0946	0.0029	0.243	0.0111	0.0194	4.77	-	-	6.55	6.10	-
	CC-15	Primary	VA25A3507-003	2025-02-17	<0.50	0.065	0.0861	0.0021	0.250	0.0099	0.0198	4.64	-	-	7.18	7.21	-
	CC-15	Primary	VA25A5268-001	2025-03-09	0.52	0.065	0.0495	<0.0010	0.368	0.0159	0.0365	4.60	-	-	6.29	6.60	-
	CC-15	Primary	VA25A7310-001	2025-04-01	0.60	0.061	0.0447	<0.0010	0.358	0.0452	0.0821	4.03	-	-	7.52	7.82	-
	CC-15	Primary	VA25B0438-004	2025-05-05	0.53	0.051	0.0716	0.0019	0.331	0.0081	0.0305	5.06	-	-	8.62	9.24	-
	CC-15	Primary	VA25B1094-002	2025-05-12	<0.50	0.050	<0.0050	<0.0010	0.323	0.0013	0.0228	4.44	-	-	7.69	8.33	-
	CC-15	Primary	VA25B1721-003	2025-05-19	0.50	0.049	<0.0050	<0.0010	0.383	0.0017	0.0316	4.78	-	-	10.2	11.4	-
	CC-15	Primary	VA25B2427-001	2025-05-26	<0.50	0.048	<0.0050	<0.0010	0.333	<0.0010	0.0243	4.32	-	-	8.47	8.89	-
	CC-15	Primary	VA25B3822-001	2025-06-02	<0.50	0.052	0.0054	<0.0010	0.336	0.0044	0.0219	4.23	-	-	8.31	8.06	-
	CC-15	Primary	VA25B5722-002	2025-06-23	<0.50	0.046	<0.0050	<0.0010	0.299	0.0010	0.0232	3.86	-	-	8.17	8.63	-
	CC-15	Primary	VA25B6834-002	2025-07-07	<0.50	0.052	<0.0050	<0.0010	0.279	0.0013	0.0138	3.67	-	-	8.17	8.29	-
	CC-15	Primary	VA25B9366-003	2025-08-04	<0.50	0.056	0.0053	<0.0010	0.321	0.0038	0.0198	3.27	-	-	7.57	7.64	-
	CC-15	Primary	VA25C4967-007	2025-09-17	0.58	0.051	0.0140	<0.0010	0.326	0.0027	0.0206	3.86	0.324	-	6.62	6.81	-
	CC-15	Primary	VA25C6908-002	2025-10-08	0.52	0.058	0.0053	<0.0010	0.245	0.0016	0.0134	3.40	0.254	-	6.94	6.68	-
	CC-15	Primary	VA25C7563-002	2025-10-14	0.55	0.051	<0.0050	<0.0010	0.337	0.0027	0.0189	3.64	0.277	-	6.02	6.34	-
	CC-15	Primary	VA25C8358-003	2025-10-20	0.52	0.055	<0.0050	<0.0010	0.269	0.0022	0.0144	4.03	0.241	-	5.90	6.17	-
	CC-15	Primary	VA25C8919-009	2025-10-27	0.59	0.053	<0.0050	<0.0010	0.237	0.0017	0.0153	4.33	0.229	-	6.17	6.45	-
	CC-15	Primary	VA25C9101-003	2025-10-29	0.56	0.056	0.0134	<0.0010	0.295	0.0021	0.0177	4.24	0.277	-	6.14	6.44	-
	CC-15	Primary	VA25D1976-002	2025-11-26	<0.50	0.055	0.0426	0.0010	0.276	0.0096	0.0205	4.49	0.315	-	6.00	6.35	-
	CC-15	Primary	VA25D4214-008	2025-12-27	<0.50	0.055	0.0573	0.0013	0.274	0.0105	0.0260	4.28	0.309	-	6.36	6.53	-
	CC-15	Duplicate	VA25A3507-004	2025-02-17	<0.50	0.064	0.0863	0.0020	0.322	0.0101	0.0202	4.65	-	-	7.12	7.04	-
	CC-15	Duplicate	VA25A5268-002	2025-03-09	0.57	0.064	0.0484	<0.0010	0.298	0.0102	0.0415	4.60	-	-	7.19	7.03	-
	CC-15	Duplicate	VA25A7310-002	2025-04-01	0.58	0.059	0.0419	<0.0010	0.383	0.0443	0.0835	4.06	-	-	7.68	7.88	-
	CC-15	Duplicate	VA25B9366-004	2025-08-04	<0.50	0.055	0.0053	<0.0010	0.316	0.0042	0.0204	3.27	-	-	7.31	7.93	-
	CC-15	Duplicate	VA25C8358-004	2025-10-20	0.52	0.055	<0.0050	<0.0010	0.264	0.0021	0.0160	4.01	0.253	-	6.13	6.59	-
	CC-15	Duplicate	VA25D1976-003	2025-11-26	<0.50	0.055	0.0432	0.0011	0.266	0.0098	0.0198	4.48	0.280	-	6.09	6.21	-
	CC-20	Primary	VA25A1845-002	2025-01-26	<0.50	0.059	0.0744	0.0010	0.220	0.0096	0.0224	4.66	-	-	6.44	6.47	-
	CC-20	Primary	VA25A3507-002	2025-02-17	0.59	0.093	0.119	0.0017	0.337	0.0086	0.0184	6.75	-	-	10.0	9.84	-
	CC-20	Primary	VA25A5560-001	2025-03-11	<0.50	0.056	0.0198	<0.0010	0.248	0.0065	0.0310	4.51	-	-	6.33	6.14	-
	CC-20	Primary	VA25A8058-003	2025-04-09	0.65	0.058	0.0652	<0.0010	0.354	0.0050	0.0294	6.14	-	-	8.69	9.46	-
	CC-20	Primary	VA25B0438-005	2025-05-05	<0.50	0.050	0.0656	0.0016	0.309	0.0078	0.0232	4.93	-	-	8.46	8.70	-
	CC-20	Primary	VA25B1094-001	2025-05-12	<0.50	0.051	<0.0050	<0.0010	0.296	0.0010	0.0242	4.40	-	-	7.82	8.39	-
	CC-20	Primary	VA25B1721-002	2025-05-19	<0.50	0.051	0.0053	<0.0010	0.390	0.0020	0.0314	4.76	-	-	10.3	11.3	-
	CC-20	Primary	VA25B2427-002	2025-05-26	<0.50	0.050	<0.0050	<0.0010	0.314	<0.0010	0.0199	4.28	-	-	8.84	9.56	-
	CC-20	Primary	VA25B3822-002	2025-06-02	<0.50	0.054	<0.0050	<0.0010	0.329	0.0049	0.0204	4.12	-	-	8.05	8.18	-
	CC-20	Primary	VA25B5722-001	2025-06-23	<0.50	0.047	<0.0050	<0.0010	0.283	<0.0010	0.0166	3.90	-	-	7.95	7.94	-
	CC-20	Primary	VA25B6834-001	2025-07-07	<0.50	0.051	<0.0050	<0.0010	0.316	<0.0010	0.0192	3.55	-	-	7.44	7.90	-
	CC-20	Primary	VA25C0017-003	2025-08-10	<0.50	0.058	<0.0050	<0.0010	0.346	0.0024	0.0176	3.34	-	-	7.01	6.88	-
	CC-20	Primary	VA25C4967-008	2025-09-17	0.56	0.053	<0.0050	<0.0010	0.299	0.0029	0.0173	3.67	0.278	-	6.36	6.32	-

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Anions / Nutrients (<i>cont'd</i>)							Organic / Inorganic Carbon				Speciated Metals	
					Chloride	Fluoride	Nitrate (as N)	Nitrite (as N)	Total Kjeldahl Nitrogen	Phosphate, Ortho-, Dissolved (as P)	Total Phosphate (as P)	Sulfate (as SO ₄)	Dissolved Organic Carbon	Total Organic Carbon	Total Nitrogen	Ammonia, Un-ionized (as N)	Radium-226
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Chedakuz Creek (<i>cont'd</i>)	CC-20	Primary	VA25C6908-001	2025-10-08	0.64	0.059	<0.0050	<0.0010	0.226	0.0016	0.0120	3.43	0.236	-	5.80	6.06	-
	CC-20	Primary	VA25C7563-001	2025-10-14	0.52	0.049	<0.0050	<0.0010	0.273	0.0024	0.0136	3.50	0.235	-	5.53	5.92	-
	CC-20	Primary	VA25C8358-005	2025-10-20	0.51	0.054	<0.0050	<0.0010	0.241	0.0021	0.0116	3.87	0.238	-	5.84	6.13	-
	CC-20	Primary	VA25C8919-008	2025-10-27	0.58	0.053	<0.0050	<0.0010	0.238	0.0014	0.0178	4.11	0.247	-	6.00	6.07	-
	CC-20	Primary	VA25C9101-008	2025-10-29	0.55	0.054	0.0071	<0.0010	0.261	0.0019	0.0161	4.10	0.260	-	5.71	6.10	-
	CC-20	Primary	VA25D1976-001	2025-11-26	<0.50	0.056	0.0449	<0.0010	0.286	0.0085	0.0245	4.36	0.287	-	5.83	6.49	-
	CC-20	Primary	VA25D4214-007	2025-12-27	<0.50	0.054	0.0623	<0.0010	0.240	0.0099	0.0220	4.23	0.294	-	6.18	6.52	-
	CC-20	Duplicate	VA25A1845-003	2025-01-26	<0.50	0.061	0.0754	<0.0010	0.209	0.0099	0.0183	4.64	-	-	6.28	6.00	-
	CC-20	Duplicate	VA25A8058-004	2025-04-09	0.62	0.058	0.0647	<0.0010	0.341	0.0051	0.0330	6.11	-	-	8.65	9.31	-
	CC-20	Duplicate	VA25B6834-007	2025-07-07	<0.50	0.053	<0.0050	<0.0010	0.301	<0.0010	0.0160	3.57	-	-	8.15	8.13	-
	CC-30	Primary	VA25A5560-002	2025-03-11	<0.50	0.062	0.0346	<0.0010	0.281	0.0052	0.0249	4.31	-	-	5.99	6.29	-
	CC-30	Primary	VA25A8058-002	2025-04-09	0.64	0.061	0.0304	<0.0010	0.333	0.0064	0.0355	5.72	-	-	8.44	9.17	-
	CC-30	Primary	VA25B7192-002	2025-07-13	<0.50	0.053	0.0063	<0.0010	0.306	0.0057	0.0208	3.14	-	-	7.28	8.08	-
	CC-30	Primary	VA25C6737-003	2025-10-05	0.59	0.070	0.0088	<0.0010	0.241	0.0064	0.0188	3.59	0.208	-	5.67	6.35	-
	CC-30	Duplicate	VA25B7192-003	2025-07-13	<0.50	0.054	<0.0050	<0.0010	0.300	0.0061	0.0206	3.15	-	-	7.49	7.47	-
	CC-40	Primary	VA25A1845-001	2025-01-26	<0.50	0.071	0.0910	0.0015	0.208	0.0055	0.0157	5.00	-	-	5.64	5.83	-
	CC-40	Primary	VA25A3507-001	2025-02-17	<0.50	0.075	0.111	0.0022	0.266	0.0049	0.0157	4.92	-	-	6.14	5.83	-
	CC-40	Primary	VA25A5560-003	2025-03-11	<0.50	0.066	0.0329	<0.0010	0.280	0.0061	0.0292	4.62	-	-	5.74	5.88	-
	CC-40	Primary	VA25A8058-001	2025-04-09	0.54	0.063	0.0078	<0.0010	0.294	0.0058	0.0356	5.15	-	-	7.63	7.91	-
	CC-40	Primary	VA25B0438-006	2025-05-05	<0.50	0.049	0.0071	<0.0010	0.329	0.0035	0.0221	4.33	-	-	10.0	10.4	-
	CC-40	Primary	VA25B1094-003	2025-05-12	<0.50	0.054	<0.0050	<0.0010	0.290	0.0012	0.0164	4.02	-	-	8.55	9.00	-
	CC-40	Primary	VA25B1721-001	2025-05-19	<0.50	0.053	<0.0050	<0.0010	0.404	0.0022	0.0356	3.92	-	-	10.5	11.7	-
	CC-40	Primary	VA25B2427-003	2025-05-26	<0.50	0.048	<0.0050	<0.0010	0.316	0.0015	0.0241	4.08	-	-	9.97	10.7	-
	CC-40	Primary	VA25B3822-003	2025-06-02	<0.50	0.056	<0.0050	<0.0010	0.302	0.0041	0.0199	3.89	-	-	8.53	8.71	-
	CC-40	Primary	VA25B5256-001	2025-06-22	<0.50	0.051	<0.0050	<0.0010	0.284	0.0046	0.0234	3.57	-	-	8.33	9.02	-
	CC-40	Primary	VA25B7192-001	2025-07-13	<0.50	0.055	0.0087	<0.0010	0.293	0.0059	0.0190	3.37	-	-	6.87	7.12	-
	CC-40	Primary	VA25B9374-001	2025-08-03	<0.50	0.070	0.0054	<0.0010	0.301	0.0090	0.0221	3.28	-	-	6.91	6.83	-
	CC-40	Primary	VA25C4967-009	2025-09-17	0.51	0.066	<0.0050	<0.0010	0.232	0.0106	0.0217	3.68	0.214	-	5.51	5.81	-
	CC-40	Primary	VA25C6737-001	2025-10-05	0.58	0.074	<0.0050	<0.0010	0.247	0.0066	0.0188	4.14	0.197	-	5.42	5.60	-
	CC-40	Primary	VA25C7563-004	2025-10-14	0.52	0.068	<0.0050	<0.0010	0.233	0.0086	0.0182	4.00	0.183	-	5.10	5.30	-
	CC-40	Primary	VA25C8358-001	2025-10-20	0.53	0.076	<0.0050	<0.0010	0.226	0.0067	0.0167	4.44	0.194	-	4.97	5.03	-
	CC-40	Primary	VA25C8919-007	2025-10-27	0.55	0.067	<0.0050	<0.0010	0.198	0.0050	0.0182	4.22	0.197	-	4.99	5.19	-
	CC-40	Primary	VA25C9101-001	2025-10-29	0.59	0.070	<0.0050	<0.0010	0.203	0.0080	0.0179	4.36	0.234	-	5.53	5.31	-
	CC-40	Primary	VA25D1004-001	2025-11-17	<0.50	0.064	0.0075	<0.0010	0.215	0.0066	0.0175	4.38	0.205	-	5.16	5.39	-
	CC-40	Primary	VA25D4214-006	2025-12-27	<0.50	0.062	0.0610	<0.0010	0.250	0.0042	0.0154	4.34	0.309	-	5.76	5.93	-
	CC-40	Duplicate	VA25B5256-002	2025-06-22	<0.50	0.052	<0.0050	<0.0010	0.314	0.0047	0.0220	3.56	-	-	8.52	8.55	-
	CC-40	Duplicate	VA25B9374-002	2025-08-03	<0.50	0.067	0.0055	<0.0010	0.277	0.0087	0.0216	3.21	-	-	6.89	6.86	-
	CC-40	Duplicate	VA25C6737-002	2025-10-05	0.58	0.076	<0.0050	<0.0010	0.237	0.0068	0.0189	4.16	0.197	-	5.44	5.77	-
	CC-40	Duplicate	VA25D1004-002	2025-11-17	<0.50	0.064	0.0072	<0.0010	0.207	0.0067	0.0194	4.40	0.205	-	5.14	5.48	-
Creek 705	705-05	Primary	VA25A1845-006	2025-01-26	0.58	0.023	0.0344	<0.0010	0.211	<0.0010	0.0064	1.81	-	-	5.89	5.99	-
	705-05	Primary	VA25A4183-002	2025-02-24	0.62	0.023	0.0333	<0.0010	0.200	<0.0010	0.0083	1.83	-	-	6.14	5.84	-
	705-05	Primary	VA25A5561-002	2025-03-11	0.62	0.022	0.0576	<0.0010	0.192	<0.0010	0.0070	2.03	-	<0.0010	5.78	6.23	<0.005
	705-05	Primary	VA25A9690-001	2025-04-27	0.52	0.021	0.0330	<0.0010	0.346	<0.0010	0.0181	1.49	-	-	14.1	14.7	-
	705-05	Primary	VA25B0438-002	2025-05-05	<0.50	<0.020	0.0061	<0.0010	0.326	<0.0010	0.0116	1.26	-	-	13.3	13.2	-
	705-05	Primary	VA25B5930-001	2025-06-27	<0.50	0.020	<0.0050	<0.0010	0.216	<0.0010	0.0096	0.85	-	<0.0010	9.09	9.41	-
	705-05	Primary	VA25B7427-008	2025-07-14	<0.50	<0.020	<0.0050	<0.0010	0.235	0.0021	0.0120	1.04	-	-	7.28	7.60	-
	705-05	Primary	VA25B9438-001	2025-08-04	<0.50	0.022	<0.0050	<0.0010	0.290	0.0029	0.0200	0.64	-	<0.0010	6.88	7.36	<0.005
	705-05	Primary	VA25C3886-003	2025-09-10	<0.50	0.028	<0.0050	<0.0010	0.253	0.0037	0.0196	0.33	0.261	-	6.10	6.31	-
	705-05	Primary	VA25C8358-007	2025-10-20	0.73	0.023	<0.0050	<0.0010	0.273	0.0021	0.0233	0.97	0.230	-	5.09	6.03	-
	705-05	Primary	VA25D0570-001	2025-11-12	0.66	0.021	0.0090	<0.0010	0.205	<0.0010	0.0124	1.55	0.281	<0.0010	7.38	7.44	<0.005
	705-05	Primary	VA25D3939-003	2025-12-17	0.60	0.023	<0.0050	<0.0010	0.241	<0.0010	0.0122	1.83	0.262	-	7.25	7.37	-
	705-05	Duplicate	VA25A4183-003	2025-02-24	0.62	0.023	0.0336	<0.0010	0.202	<0.0010	0.0084	1.83	-	-	6.54	6.34	-
	705-05	Duplicate	VA25A9690-002	2025-04-27	0.61	0.022	0.0114	<0.0010	0.345	<0.0010	0.0179	1.46	-	-	15.1	15.3	-

APPENDIX A.1: STREAM WATER QUALITY RESULTS, 2025

Watershed	Site	QA/QC	Laboratory ID	Date	Anions / Nutrients (<i>cont'd</i>)								Organic / Inorganic Carbon				Speciated Metals
					Chloride	Fluoride	Nitrate (as N)	Nitrite (as N)	Total Kjeldahl Nitrogen	Phosphate, Ortho-, Dissolved (as P)	Total Phosphate (as P)	Sulfate (as SO ₄)	Dissolved Organic Carbon	Total Organic Carbon	Total Nitrogen	Ammonia, Un-ionized (as N)	Radium-226
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Creek 705 (<i>cont'd</i>)	705-05	Duplicate	VA25B0438-008	2025-05-05	<0.50	<0.020	0.0056	<0.0010	0.311	<0.0010	0.0114	1.26	-	-	13.4	13.1	-
	705-10	Primary	VA25A0226-002	2025-01-05	<0.50	0.025	0.0311	<0.0010	0.184	<0.0010	0.0049	1.94	-	-	6.77	6.92	-
	705-10	Primary	VA25A2544-003	2025-02-03	0.50	0.025	0.0558	<0.0010	0.134	<0.0010	0.0044	2.06	-	-	6.30	6.00	-
	705-10	Primary	VA25A5321-001	2025-03-05	0.52	0.022	0.0617	<0.0010	0.150	<0.0010	0.0052	2.59	-	-	5.72	5.89	-
	705-10	Primary	VA25A7634-001	2025-04-03	0.52	0.026	0.0489	<0.0010	0.237	<0.0010	0.0097	2.06	-	-	8.88	9.32	-
	705-10	Primary	VA25B0438-003	2025-05-05	<0.50	<0.020	0.0058	<0.0010	0.334	<0.0010	0.0150	1.30	-	-	16.0	15.6	-
	705-10	Primary	VA25B1094-007	2025-05-12	<0.50	0.022	<0.0050	<0.0010	0.263	<0.0010	0.0157	1.22	-	-	14.0	14.4	-
	705-10	Primary	VA25B1721-004	2025-05-19	<0.50	0.020	<0.0050	<0.0010	0.417	<0.0010	0.0230	0.96	-	-	20.8	21.8	-
	705-10	Primary	VA25B2427-004	2025-05-26	<0.50	<0.020	<0.0050	<0.0010	0.253	<0.0010	0.0085	1.27	-	-	13.4	13.8	-
	705-10	Primary	VA25B3822-004	2025-06-02	<0.50	0.024	<0.0050	<0.0010	0.229	<0.0010	0.0078	1.35	-	-	11.2	11.3	-
	705-10	Primary	VA25B5784-001	2025-06-25	<0.50	0.027	<0.0050	<0.0010	0.203	<0.0010	0.0066	1.28	-	<0.0010	9.92	10.2	-
	705-10	Primary	VA25B7427-007	2025-07-14	<0.50	0.020	<0.0050	<0.0010	0.220	<0.0010	0.0073	1.24	-	-	8.10	8.21	-
	705-10	Primary	VA25B9438-002	2025-08-04	<0.50	0.026	0.0423	<0.0010	0.174	<0.0010	0.0053	1.20	-	<0.0010	6.57	6.67	<0.005
	705-10	Primary	VA25C3699-002	2025-09-09	<0.50	0.029	0.0986	<0.0010	0.153	0.0017	0.0063	1.46	-	-	5.07	5.32	-
	705-10	Primary	VA25C7355-001	2025-10-07	<0.50	0.030	0.0074	<0.0010	0.115	<0.0010	0.0031	1.14	0.127	-	4.33	4.43	-
	705-10	Primary	VA25C7563-008	2025-10-14	<0.50	0.024	0.0214	<0.0010	0.131	<0.0010	0.0032	1.30	0.131	-	4.35	4.30	-
	705-10	Primary	VA25C8047-007	2025-10-18	<0.50	0.025	0.0209	<0.0010	0.100	<0.0010	0.0033	1.35	0.131	-	4.31	4.26	-
	705-10	Primary	VA25C8919-005	2025-10-26	0.80	0.025	<0.0050	<0.0010	0.157	<0.0010	0.0057	1.50	0.148	-	5.55	5.57	-
	705-10	Primary	VA25C9101-005	2025-10-29	0.75	0.022	<0.0050	<0.0010	0.181	<0.0010	0.0057	1.57	0.173	-	6.42	6.50	-
	705-10	Primary	VA25C9690-001	2025-11-02	0.65	0.026	0.0077	<0.0010	0.135	<0.0010	0.0041	2.11	0.167	-	5.80	5.58	-
	705-10	Primary	VA25D3069-001	2025-12-08	0.57	0.023	0.0204	<0.0010	0.171	<0.0010	0.0055	2.10	0.176	<0.0010	4.86	5.24	<0.005
	705-10	Duplicate	VA25A5321-002	2025-03-05	0.51	0.022	0.0622	<0.0010	0.154	<0.0010	0.0045	2.57	-	-	6.03	6.03	-
	705-10	Duplicate	VA25B1721-005	2025-05-19	<0.50	0.021	<0.0050	<0.0010	0.407	<0.0010	0.0220	0.97	-	-	21.1	22.6	-
	705-10	Duplicate	VA25C3699-003	2025-09-09	<0.50	0.028	0.0960	<0.0010	0.151	0.0013	0.0060	1.44	-	-	5.07	5.03	-
	705-10	Duplicate	VA25C7355-002	2025-10-07	<0.50	0.031	0.0069	<0.0010	0.120	<0.0010	0.0030	1.14	0.125	-	4.29	4.39	-
	705-10	Duplicate	VA25C9690-002	2025-11-02	0.65	0.027	0.0072	<0.0010	0.147	<0.0010	0.0041	2.10	0.160	-	6.30	5.98	-
Fawnie Creek	FC-01	Primary	VA25A0226-001	2025-01-05	<0.50	<0.020	0.0400	<0.0010	<0.050	0.0040	0.0059	2.44	-	-	1.82	2.17	-
	FC-01	Primary	VA25A2544-001	2025-02-03	<0.50	0.023	0.0553	<0.0010	<0.050	0.0049	0.0064	2.70	-	-	1.50	1.38	-
	FC-01	Primary	VA25A6295-001	2025-03-19	<0.50	0.025	0.0686	<0.0010	<0.050	0.00475	0.0073	3.13	-	<0.001	0.996	1.97	-
	FC-01	Primary	VA25A7634-002	2025-04-03	<0.50	0.023	0.0614	<0.0010	0.050	0.0044	0.0072	2.72	-	-	1.11	1.14	-
	FC-01	Primary	VA25B0438-007	2025-05-05	<0.50	<0.020	<0.0050	<0.0010	0.233	0.0019	0.0090	1.64	-	-	9.26	9.29	-
	FC-01	Primary	VA25B1094-006	2025-05-12	<0.50	<0.020	<0.0050	<0.0010	0.162	0.0013	0.0056	1.56	-	-	7.49	7.70	-
	FC-01	Primary	VA25B1721-006	2025-05-19	<0.50	<0.020	<0.0050	<0.0010	0.273	<0.0010	0.0187	1.23	-	-	12.3	12.6	-
	FC-01	Primary	VA25B2427-005	2025-05-26	<0.50	<0.020	<0.0050	<0.0010	0.174	<0.0010	0.0069	1.25	-	-	9.06	9.13	-
	FC-01	Primary	VA25B3822-005	2025-06-02	<0.50	<0.020	<0.0050	<0.0010	0.165	<0.0010	0.0118	1.42	-	-	6.97	7.21	-
	FC-01	Primary	VA25B5629-001	2025-06-23	<0.50	<0.020	0.0123	<0.0010	0.123	<0.0010	0.0053	1.34	-	<0.0010	5.41	5.45	-
	FC-01	Primary	VA25B7427-006	2025-07-14	<0.50	<0.020	<0.0050	<0.0010	0.126	0.0018	0.0050	1.42	-	-	4.03	4.40	-
	FC-01	Primary	VA25B9438-003	2025-08-04	<0.50	<0.020	0.0054	<0.0010	0.085	0.0020	0.0045	1.52	-	<0.0010	3.25	3.08	<0.005
	FC-01	Primary	VA25C5489-001	2025-09-23	<0.50	0.022	<0.0050	<0.0010	0.086	0.0019	0.0022	2.40	0.073	-	1.42	1.86	-
	FC-01	Primary	VA25C7355-003	2025-10-07	<0.50	0.023	<0.0050	0.0010	0.067	0.0016	0.0040	2.36	0.075	-	2.34	2.57	-
	FC-01	Primary	VA25C7563-007	2025-10-14	<0.50	<0.020	<0.0050	<0.0010	0.085	0.0015	0.0035	2.40	0.062	-	1.66	1.85	-
	FC-01	Primary	VA25C8047-006	2025-10-18	<0.50	<0.020	0.0203	<0.0010	<0.050	<0.0010	0.0036	2.39	0.060	-	1.73	1.65	-
	FC-01	Primary	VA25C8919-006	2025-10-27	<0.50	<0.020	<0.0050	<0.0010	0.073	<0.0010	0.0042	2.43	0.068	-	2.22	2.28	-
	FC-01	Primary	VA25C9101-004	2025-10-29	<0.50	<0.020	<0.0050	<0.0010	0.061	0.0010	0.0043	2.38	0.068	-	2.09	2.23	-
	FC-01	Primary	VA25C9690-003	2025-11-02	<0.50	0.020	<0.0050	<0.0010	<0.050	0.0022	0.0038	2.53	0.061	-	2.18	2.12	-
	FC-01	Primary	VA25D3069-002	2025-12-08	<0.50	0.020	0.0479	<0.0010	0.053	0.0039	0.0072	2.54	0.096	<0.0010	1.77	2.87	<0.005
	FC-01	Duplicate	VA25A6295-002	2025-03-19	<0.50	0.024	0.0679	<0.0010	<0.050	0.00530	0.0082	3.12	-	<0.001	1.02	1.26	-

Notes:
'-' indicates parameter was not analyzed.
'<' indicates value was below the detection limit.

Appendix A.2 Lake Water Quality Results, 2025

APPENDIX A-2: LAKE WATER QUALITY RESULTS, 2025

Watershed	Site	Depth	QA/QC	Laboratory ID	Date	Physical Tests										Cyanides		
						Acidity (as CaCO ₃)	Alkalinity, Total (as CaCO ₃)	Conductivity	Hardness (as CaCO ₃), Dissolved	Hardness (as CaCO ₃), from Total Ca/Mg	pH	Total Dissolved Solids	Total Suspended Solids	Turbidity	Colour, True	Cyanide, Strong Acid Dissociable (Total)	Cyanide, Weak Acid Dissociable	Thiocyanate
						mg/L	mg/L	µS/cm	mg/L	mg/L	pH units	mg/L	mg/L	NTU	CU	mg/L	mg/L	mg/L
Kuyakuz Lake	KL-01	Surface	Primary	VA25A2777-001	2025-02-05	<2.0	90.7	167	79.4	79.7	7.91	114	3.4	0.56	-	<0.0050	<0.0050	<0.50
	KL-01	Mid	Primary	VA25A2777-002	2025-02-05	<2.0	82.3	158	78.3	76.8	7.92	108	<3.0	0.18	-	<0.0050	<0.0050	<0.50
	KL-01	Deep	Primary	VA25A2777-003	2025-02-05	<2.0	88.2	166	77.4	77.2	7.90	114	<3.0	0.52	-	<0.0050	<0.0050	<0.50
	KL-01	Deep	Duplicate	VA25A2777-004	2025-02-05	<2.0	85.8	162	80.4	80.4	7.89	113	<3.0	0.46	-	<0.0050	<0.0050	<0.50
	KL-01	Surface	Primary	VA25B5152-001	2025-06-20	<2.0	79.2	149	71.6	81.2	8.20	81	<3.0	0.66	-	<0.0050	<0.0050	<0.50
	KL-01	Mid	Primary	VA25B5152-002	2025-06-20	<2.0	79.2	148	73.1	74.3	8.21	94	<3.0	0.71	-	<0.0050	<0.0050	<0.50
	KL-01	Deep	Primary	VA25B5152-003	2025-06-20	<2.0	81.0	151	75.3	79.8	7.91	104	<3.0	1.00	-	<0.0050	<0.0050	<0.50
	KL-01	Surface	Primary	VA25C5037-003	2025-09-18	<2.0	80.2	157	74.1	78.3	8.06	107	<3.0	1.48	7.2	<0.0050	<0.0050	<0.50
	KL-01	Mid	Primary	VA25C5037-004	2025-09-18	<2.0	81.0	158	74.4	79.6	8.06	103	<3.0	1.95	7.6	<0.0050	<0.0050	<0.50
	KL-01	Deep	Primary	VA25C5037-005	2025-09-18	<2.0	80.6	157	74.0	74.0	8.06	104	<3.0	1.36	6.0	<0.0050	<0.0050	<0.50
	KL-01	Surface	Primary	VA25C6737-008	2025-10-06	<2.0	82.2	156	76.7	77.3	8.11	107	<3.0	2.40	5.5	<0.0050	<0.0050	<0.50
	KL-01	Mid	Primary	VA25C6737-007	2025-10-06	<2.0	81.4	155	79.1	76.4	8.09	109	<3.0	2.93	5.6	<0.0050	<0.0050	<0.50
Tatelkuz Lake	KL-01	Deep	Primary	VA25C6737-006	2025-10-06	<2.0	81.9	155	77.8	79.4	8.08	92	<3.0	4.18	5.1	<0.0050	<0.0050	<0.50
	TL-01	Surface	Primary	VA25A3279-001	2025-02-10	<2.0	79.0	154	69.7	76.2	8.11	120	<3.0	0.13	-	<0.0050	<0.0050	<0.50
	TL-01	Mid	Primary	VA25A3279-002	2025-02-10	<2.0	75.7	152	69.9	75.3	8.09	112	<3.0	0.18	-	<0.0050	<0.0050	<0.50
	TL-01	Deep	Primary	VA25A3279-003	2025-02-10	<2.0	75.4	151	68.8	73.4	8.08	107	<3.0	0.20	-	<0.0050	<0.0050	<0.50
	TL-01	Surface	Primary	VA25B2601-001	2025-05-27	<2.0	71.5	145	66.4	68.1	8.17	96	5.4	1.19	-	<0.0050	<0.0050	<0.50
	TL-01	Mid	Primary	VA25B2601-002	2025-05-27	<2.0	72.1	145	66.4	67.2	8.16	90	5.2	1.11	-	<0.0050	<0.0050	<0.50
	TL-01	Deep	Primary	VA25B2601-003	2025-05-27	<2.0	75.5	151	69.5	70.2	8.02	92	8.6	2.47	-	<0.0050	<0.0050	<0.50
	TL-01	Surface	Primary	VA25B8201-005	2025-07-22	<2.0	73.3	145	71.6	74.2	8.35	102	<3.0	0.56	-	<0.0050	<0.0050	<0.50
	TL-01	Mid	Primary	VA25B8201-006	2025-07-22	2.3	73.8	147	73.6	71.8	8.00	113	<3.0	0.37	-	<0.0050	<0.0050	<0.50
	TL-01	Deep	Primary	VA25B8201-007	2025-07-22	2.0	73.3	147	74.9	73.8	8.04	110	<3.0	0.86	-	<0.0050	<0.0050	<0.50
	TL-01	Surface	Primary	VA25C7416-005	2025-10-13	<2.0	76.1	148	72.4	74.8	8.23	106	<3.0	0.81	10.2	<0.0050	<0.0050	<0.50
	TL-01	Mid	Primary	VA25C7416-006	2025-10-13	<2.0	75.5	148	74.0	70.5	8.08	107	<3.0	0.73	10.1	<0.0050	<0.0050	<0.50
	TL-01	Deep	Primary	VA25C7416-007	2025-10-13	2.2	76.3	150	74.3	73.1	7.69	116	<3.0	2.81	10.5	<0.0050	<0.0050	<0.50

Notes:
'-' indicates parameter was not analyzed.
'<' indicates value was below the detection limit.

APPENDIX A-2: LAKE WATER QUALITY RESULTS, 2025

Watershed	Site	Depth	QA/QC	Laboratory ID	Date	Total Metals													
						Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Bismuth, Total	Boron, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total
						mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Kuyakuz Lake	KL-01	Surface	Primary	VA25A2777-001	2025-02-05	0.0032	0.00016	0.00040	0.0112	<0.000020	<0.000050	<0.010	<0.0000050	21.4	0.00086	<0.00010	<0.00050	0.012	<0.000050
	KL-01	Mid	Primary	VA25A2777-002	2025-02-05	<0.0030	<0.00010	0.00039	0.0107	<0.000020	<0.000050	<0.010	<0.0000050	20.6	<0.00050	<0.00010	<0.00050	<0.010	<0.000050
	KL-01	Deep	Primary	VA25A2777-003	2025-02-05	<0.0030	<0.00010	0.00036	0.0127	<0.000020	<0.000050	<0.010	<0.0000050	20.7	<0.00050	<0.00010	<0.00050	0.038	<0.000050
	KL-01	Deep	Duplicate	VA25A2777-004	2025-02-05	<0.0030	<0.00010	0.00032	0.0124	<0.000020	<0.000050	<0.010	<0.0000050	21.8	<0.00050	<0.00010	<0.00050	0.026	<0.000050
	KL-01	Surface	Primary	VA25B5152-001	2025-06-20	0.0032	<0.00010	0.00038	0.0104	<0.000020	<0.000050	<0.010	<0.0000050	22.6	<0.00050	<0.00010	<0.00050	0.012	<0.000050
	KL-01	Mid	Primary	VA25B5152-002	2025-06-20	0.0038	<0.00010	0.00033	0.00978	<0.000020	<0.000050	<0.010	<0.0000050	20.0	<0.00050	<0.00010	<0.00050	0.013	<0.000050
	KL-01	Deep	Primary	VA25B5152-003	2025-06-20	0.0039	<0.00010	0.00046	0.0125	<0.000020	<0.000050	<0.010	<0.0000050	22.2	<0.00050	<0.00010	<0.00050	0.085	<0.000050
	KL-01	Surface	Primary	VA25C5037-003	2025-09-18	<0.0030	<0.00010	0.00043	0.0118	<0.000020	<0.000050	<0.010	<0.0000050	21.6	<0.00050	<0.00010	<0.00050	0.067	<0.000050
	KL-01	Mid	Primary	VA25C5037-004	2025-09-18	<0.0030	<0.00010	0.00042	0.0120	<0.000020	<0.000050	<0.010	<0.0000050	22.0	<0.00050	<0.00010	<0.00050	0.076	<0.000050
	KL-01	Deep	Primary	VA25C5037-005	2025-09-18	0.0039	<0.00010	0.00044	0.0121	<0.000020	<0.000050	<0.010	<0.0000050	20.0	<0.00050	<0.00010	<0.00050	0.090	<0.000050
	KL-01	Surface	Primary	VA25C6737-008	2025-10-06	<0.0030	<0.00010	0.00046	0.0105	<0.000020	<0.000050	<0.010	<0.0000050	21.4	<0.00050	<0.00010	<0.00050	0.020	<0.000050
	KL-01	Mid	Primary	VA25C6737-007	2025-10-06	<0.0030	<0.00010	0.00043	0.0102	<0.000020	<0.000050	<0.010	<0.0000050	21.0	<0.00050	<0.00010	<0.00050	0.017	<0.000050
	KL-01	Deep	Primary	VA25C6737-006	2025-10-06	<0.0030	<0.00010	0.00043	0.0103	<0.000020	<0.000050	<0.010	<0.0000050	22.2	<0.00050	<0.00010	<0.00050	0.021	<0.000050
Tatelkuz Lake	TL-01	Surface	Primary	VA25A3279-001	2025-02-10	<0.0030	<0.00010	0.00062	0.00607	<0.000020	<0.000050	<0.010	<0.0000050	21.6	<0.00050	<0.00010	<0.00050	<0.010	<0.000050
	TL-01	Mid	Primary	VA25A3279-002	2025-02-10	<0.0030	<0.00010	0.00060	0.00602	<0.000020	<0.000050	<0.010	<0.0000050	21.4	<0.00050	<0.00010	<0.00050	<0.010	<0.000050
	TL-01	Deep	Primary	VA25A3279-003	2025-02-10	<0.0030	<0.00010	0.00059	0.00662	<0.000020	<0.000050	<0.010	<0.0000050	21.0	<0.00050	<0.00010	<0.00050	0.015	<0.000050
	TL-01	Surface	Primary	VA25B2601-001	2025-05-27	0.0212	<0.00010	0.00052	0.00588	<0.000020	<0.000050	<0.010	<0.0000050	19.4	<0.00050	<0.00010	<0.00050	0.031	<0.000050
	TL-01	Mid	Primary	VA25B2601-002	2025-05-27	0.0177	<0.00010	0.00050	0.00582	<0.000020	<0.000050	<0.010	<0.0000050	19.5	<0.00050	<0.00010	<0.00050	0.031	<0.000050
	TL-01	Deep	Primary	VA25B2601-003	2025-05-27	0.0118	<0.00010	0.00061	0.00686	<0.000020	<0.000050	<0.010	<0.0000050	20.1	<0.00050	<0.00010	<0.00050	0.060	<0.000050
	TL-01	Surface	Primary	VA25B8201-005	2025-07-22	0.0040	<0.00010	0.00054	0.00600	<0.000020	<0.000050	<0.010	<0.0000050	21.6	<0.00050	<0.00010	<0.00050	<0.010	<0.000050
	TL-01	Mid	Primary	VA25B8201-006	2025-07-22	0.0032	<0.00010	0.00056	0.00624	<0.000020	<0.000050	<0.010	<0.0000050	20.3	<0.00050	<0.00010	<0.00050	<0.010	<0.000050
	TL-01	Deep	Primary	VA25B8201-007	2025-07-22	0.0038	<0.00010	0.00062	0.00595	<0.000020	<0.000050	<0.010	<0.0000050	21.0	<0.00050	<0.00010	<0.00050	0.015	<0.000050
	TL-01	Surface	Primary	VA25C7416-005	2025-10-13	0.0048	<0.00010	0.00056	0.00594	<0.000020	<0.000050	<0.010	<0.0000050	21.1	<0.00050	<0.00010	<0.00050	0.013	<0.000050
	TL-01	Mid	Primary	VA25C7416-006	2025-10-13	0.0051	<0.00010	0.00061	0.00588	<0.000020	<0.000050	<0.010	<0.0000050	19.5	<0.00050	<0.00010	<0.00050	0.019	<0.000050
	TL-01	Deep	Primary	VA25C7416-007	2025-10-13	<0.0030	<0.00010	0.00081	0.00473	<0.000020	<0.000050	<0.010	<0.0000050	20.5	<0.00050	<0.00010	<0.00050	0.058	<0.000050

Notes:
'-' indicates parameter was not analyzed.
'<' indicates value was below the detection limit.

APPENDIX A-2: LAKE WATER QUALITY RESULTS, 2025

Watershed	Site	Depth	QA/QC	Laboratory ID	Date	Total Metals (<i>cont'd</i>)													
						Lithium, Total	Magnesium, Total	Manganese, Total	Mercury, Total	Molybdenum, Total	Nickel, Total	Phosphorus, Total	Potassium, Total	Selenium, Total	Silicon, Total	Silver, Total	Sodium, Total	Strontium, Total	Sulfur, Total
						mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Kuyakuz Lake	KL-01	Surface	Primary	VA25A2777-001	2025-02-05	<0.0010	6.38	0.00346	<0.0000050	0.000634	0.00053	<0.050	0.959	<0.000050	2.37	<0.000010	3.69	0.114	0.53
	KL-01	Mid	Primary	VA25A2777-002	2025-02-05	<0.0010	6.16	0.00346	<0.0000050	0.000644	<0.00050	<0.050	0.899	0.000056	2.50	<0.000010	3.50	0.111	<0.50
	KL-01	Deep	Primary	VA25A2777-003	2025-02-05	<0.0010	6.19	0.228	<0.0000050	0.000611	<0.00050	<0.050	0.970	<0.000050	4.35	<0.000010	3.49	0.117	<0.50
	KL-01	Deep	Duplicate	VA25A2777-004	2025-02-05	<0.0010	6.30	0.192	<0.0000050	0.000604	<0.00050	<0.050	0.945	<0.000050	3.88	<0.000010	3.42	0.113	<0.50
	KL-01	Surface	Primary	VA25B5152-001	2025-06-20	<0.0010	6.02	0.0170	<0.0000050	0.000659	<0.00050	<0.050	0.848	<0.000050	1.52	<0.000010	3.41	0.104	<0.50
	KL-01	Mid	Primary	VA25B5152-002	2025-06-20	<0.0010	5.91	0.0178	<0.0000050	0.000600	<0.00050	<0.050	0.828	<0.000050	1.52	<0.000010	3.27	0.101	0.57
	KL-01	Deep	Primary	VA25B5152-003	2025-06-20	<0.0010	5.93	0.234	<0.0000050	0.000754	<0.00050	<0.050	0.880	<0.000050	4.22	<0.000010	3.27	0.109	<0.50
	KL-01	Surface	Primary	VA25C5037-003	2025-09-18	<0.0010	5.91	0.121	<0.0000050	0.000629	<0.00050	0.058	0.950	<0.000050	5.19	<0.000010	3.26	0.104	0.64
	KL-01	Mid	Primary	VA25C5037-004	2025-09-18	<0.0010	6.00	0.132	<0.0000050	0.000657	<0.00050	<0.050	0.969	<0.000050	5.30	<0.000010	3.26	0.109	0.60
	KL-01	Deep	Primary	VA25C5037-005	2025-09-18	<0.0010	5.84	0.151	<0.0000050	0.000620	<0.00050	0.052	0.963	<0.000050	5.12	<0.000010	3.51	0.0994	<0.50
	KL-01	Surface	Primary	VA25C6737-008	2025-10-06	<0.0010	5.80	0.0302	<0.0000050	0.000639	<0.00050	<0.050	0.932	<0.000050	5.87	<0.000010	3.52	0.111	0.52
	KL-01	Mid	Primary	VA25C6737-007	2025-10-06	<0.0010	5.82	0.0221	<0.0000050	0.000645	<0.00050	<0.050	0.897	<0.000050	5.91	<0.000010	3.37	0.108	<0.50
	KL-01	Deep	Primary	VA25C6737-006	2025-10-06	<0.0010	5.83	0.0305	<0.0000050	0.000648	<0.00050	<0.050	0.934	0.000055	5.87	<0.000010	3.39	0.117	0.60
Tatelkuz Lake	TL-01	Surface	Primary	VA25A3279-001	2025-02-10	<0.0010	5.40	0.00314	<0.0000050	0.000576	<0.00050	<0.050	0.880	0.000079	4.66	<0.000010	4.11	0.106	1.63
	TL-01	Mid	Primary	VA25A3279-002	2025-02-10	<0.0010	5.32	0.00457	<0.0000050	0.000569	<0.00050	<0.050	0.869	0.000051	4.47	<0.000010	4.08	0.106	1.52
	TL-01	Deep	Primary	VA25A3279-003	2025-02-10	<0.0010	5.09	0.0138	<0.0000050	0.000556	<0.00050	<0.050	0.872	0.000058	4.91	<0.000010	3.95	0.105	1.46
	TL-01	Surface	Primary	VA25B2601-001	2025-05-27	<0.0010	4.77	0.0114	<0.0000050	0.000577	<0.00050	<0.050	0.826	0.000071	3.47	<0.000010	3.65	0.0990	1.04
	TL-01	Mid	Primary	VA25B2601-002	2025-05-27	<0.0010	4.50	0.0118	<0.0000050	0.000582	<0.00050	<0.050	0.803	0.000052	3.55	<0.000010	3.67	0.104	1.10
	TL-01	Deep	Primary	VA25B2601-003	2025-05-27	<0.0010	4.87	0.0979	<0.0000050	0.000640	<0.00050	0.067	0.859	0.000078	5.06	<0.000010	3.79	0.105	1.05
	TL-01	Surface	Primary	VA25B8201-005	2025-07-22	<0.0010	4.92	0.00480	<0.0000050	0.000598	<0.00050	<0.050	0.815	0.000062	2.25	<0.000010	3.66	0.0972	1.46
	TL-01	Mid	Primary	VA25B8201-006	2025-07-22	<0.0010	5.12	0.00718	<0.0000050	0.000591	<0.00050	<0.050	0.875	<0.000050	4.35	<0.000010	3.68	0.100	1.56
	TL-01	Deep	Primary	VA25B8201-007	2025-07-22	<0.0010	5.20	0.0277	<0.0000050	0.000580	<0.00050	<0.050	0.843	<0.000050	4.18	<0.000010	3.68	0.102	1.52
	TL-01	Surface	Primary	VA25C7416-005	2025-10-13	<0.0010	5.37	0.00784	<0.0000050	0.000622	<0.00050	<0.050	0.823	<0.000050	1.86	<0.000010	3.74	0.0990	1.44
	TL-01	Mid	Primary	VA25C7416-006	2025-10-13	<0.0010	5.29	0.0157	<0.0000050	0.000593	<0.00050	<0.050	0.838	0.000062	2.51	<0.000010	3.88	0.0994	1.44
	TL-01	Deep	Primary	VA25C7416-007	2025-10-13	<0.0010	5.32	0.292	<0.0000050	0.000590	<0.00050	0.089	0.902	0.000087	6.66	<0.000010	3.60	0.105	1.24

Notes:
'-' indicates parameter was not analyzed.
'<' indicates value was below the detection limit.

APPENDIX A-2: LAKE WATER QUALITY RESULTS, 2025

Watershed	Site	Depth	QA/QC	Laboratory ID	Date	Total Metals (<i>cont'd</i>)						Dissolved Metals							
						Thallium, Total	Tin, Total	Titanium, Total	Uranium, Total	Vanadium, Total	Zinc, Total	Aluminum, Dissolved	Antimony, Dissolved	Arsenic, Dissolved	Barium, Dissolved	Beryllium, Dissolved	Bismuth, Dissolved	Boron, Dissolved	Cadmium, Dissolved
						mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Kuyakuz Lake	KL-01	Surface	Primary	VA25A2777-001	2025-02-05	<0.000010	<0.00010	<0.00030	0.000014	<0.00050	<0.0030	0.0021	<0.00010	0.00037	0.0109	<0.000020	<0.000050	<0.010	<0.0000050
	KL-01	Mid	Primary	VA25A2777-002	2025-02-05	<0.000010	<0.00010	<0.00030	0.000013	<0.00050	<0.0030	<0.0010	<0.00010	0.00036	0.0106	<0.000020	<0.000050	<0.010	<0.0000050
	KL-01	Deep	Primary	VA25A2777-003	2025-02-05	<0.000010	<0.00010	<0.00030	0.000014	<0.00050	<0.0030	<0.0010	<0.00010	0.00034	0.0115	<0.000020	<0.000050	<0.010	<0.0000050
	KL-01	Deep	Duplicate	VA25A2777-004	2025-02-05	<0.000010	<0.00010	<0.00030	0.000013	<0.00050	<0.0030	<0.0010	<0.00010	0.00034	0.0119	<0.000020	<0.000050	<0.010	<0.0000050
	KL-01	Surface	Primary	VA25B5152-001	2025-06-20	<0.000010	<0.00010	<0.00030	0.000016	<0.00050	<0.0030	<0.0010	<0.00010	0.00030	0.00966	<0.000020	<0.000050	<0.010	<0.0000050
	KL-01	Mid	Primary	VA25B5152-002	2025-06-20	<0.000010	<0.00010	<0.00030	0.000016	<0.00050	<0.0030	0.0104	<0.00010	0.00033	0.00944	<0.000020	<0.000050	<0.010	<0.0000050
	KL-01	Deep	Primary	VA25B5152-003	2025-06-20	<0.000010	<0.00010	<0.00030	0.000013	<0.00050	<0.0030	<0.0010	<0.00010	0.00039	0.0124	<0.000020	<0.000050	<0.010	<0.0000050
	KL-01	Surface	Primary	VA25C5037-003	2025-09-18	<0.000010	<0.00010	<0.00030	0.000012	<0.00050	<0.0030	0.0012	<0.00010	0.00040	0.0106	<0.000020	<0.000050	<0.010	<0.0000050
	KL-01	Mid	Primary	VA25C5037-004	2025-09-18	<0.000010	<0.00010	<0.00030	0.000011	<0.00050	<0.0030	<0.0010	<0.00010	0.00040	0.0110	<0.000020	<0.000050	<0.010	<0.0000050
	KL-01	Deep	Primary	VA25C5037-005	2025-09-18	<0.000010	<0.00010	<0.00030	0.000011	<0.00050	<0.0030	<0.0010	<0.00010	0.00038	0.0106	<0.000020	<0.000050	<0.010	<0.0000050
	KL-01	Surface	Primary	VA25C6737-008	2025-10-06	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	0.00038	0.0102	<0.000020	<0.000050	<0.010	<0.0000050
	KL-01	Mid	Primary	VA25C6737-007	2025-10-06	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	0.00039	0.00995	<0.000020	<0.000050	<0.010	<0.0000050
	KL-01	Deep	Primary	VA25C6737-006	2025-10-06	<0.000010	<0.00010	<0.00030	0.000011	<0.00050	<0.0030	<0.0010	<0.00010	0.00037	0.00981	<0.000020	<0.000050	<0.010	<0.0000050
Tatelkuz Lake	TL-01	Surface	Primary	VA25A3279-001	2025-02-10	<0.000010	<0.00010	<0.00030	0.000106	<0.00050	<0.0030	<0.0010	<0.00010	0.00054	0.00618	<0.000020	<0.000050	<0.010	<0.0000050
	TL-01	Mid	Primary	VA25A3279-002	2025-02-10	<0.000010	<0.00010	<0.00030	0.000102	<0.00050	<0.0030	<0.0010	<0.00010	0.00054	0.00592	<0.000020	<0.000050	<0.010	<0.0000050
	TL-01	Deep	Primary	VA25A3279-003	2025-02-10	<0.000010	<0.00010	<0.00030	0.000104	<0.00050	<0.0030	<0.0010	<0.00010	0.00054	0.00621	<0.000020	<0.000050	<0.010	<0.0000050
	TL-01	Surface	Primary	VA25B2601-001	2025-05-27	<0.000010	<0.00010	0.00047	0.000102	<0.00050	<0.0030	0.0043	<0.00010	0.00046	0.00552	<0.000020	<0.000050	<0.010	<0.0000050
	TL-01	Mid	Primary	VA25B2601-002	2025-05-27	<0.000010	<0.00010	0.00042	0.000108	<0.00050	<0.0030	0.0048	<0.00010	0.00050	0.00566	<0.000020	<0.000050	<0.010	<0.0000050
	TL-01	Deep	Primary	VA25B2601-003	2025-05-27	<0.000010	<0.00010	0.00043	0.000108	<0.00050	<0.0030	<0.0010	<0.00010	0.00058	0.00624	<0.000020	<0.000050	<0.010	<0.0000050
	TL-01	Surface	Primary	VA25B8201-005	2025-07-22	<0.000010	<0.00010	<0.00030	0.000113	<0.00050	<0.0030	0.0186	<0.00010	0.00051	0.00578	<0.000020	<0.000050	<0.010	<0.0000050
	TL-01	Mid	Primary	VA25B8201-006	2025-07-22	<0.000010	<0.00010	<0.00030	0.000104	<0.00050	<0.0030	0.0010	<0.00010	0.00055	0.00597	<0.000020	<0.000050	<0.010	<0.0000050
	TL-01	Deep	Primary	VA25B8201-007	2025-07-22	<0.000010	<0.00010	<0.00030	0.000110	<0.00050	<0.0030	0.0012	<0.00010	0.00058	0.00575	<0.000020	<0.000050	<0.010	<0.0000050
	TL-01	Surface	Primary	VA25C7416-005	2025-10-13	<0.000010	<0.00010	<0.00030	0.000104	<0.00050	0.0132	0.0010	<0.00010	0.00057	0.00588	<0.000020	<0.000050	<0.010	<0.0000050
	TL-01	Mid	Primary	VA25C7416-006	2025-10-13	<0.000010	<0.00010	<0.00030	0.000108	<0.00050	<0.0030	0.0013	<0.00010	0.00053	0.00550	<0.000020	<0.000050	<0.010	<0.0000050
	TL-01	Deep	Primary	VA25C7416-007	2025-10-13	<0.000010	<0.00010	<0.00030	0.000098	<0.00050	<0.0030	<0.0010	<0.00010	0.00075	0.00314	<0.000020	<0.000050	<0.010	<0.0000050

Notes:
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APPENDIX A-2: LAKE WATER QUALITY RESULTS, 2025

Watershed	Site	Depth	QA/QC	Laboratory ID	Date	Dissolved Metals (<i>cont'd</i>)												
						Calcium, Dissolved	Chromium, Dissolved	Cobalt, Dissolved	Copper, Dissolved	Iron, Dissolved	Lead, Dissolved	Lithium, Dissolved	Magnesium, Dissolved	Manganese, Dissolved	Mercury, Dissolved	Molybdenum, Dissolved	Nickel, Dissolved	Phosphorus, Dissolved
						mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Kuyakuz Lake	KL-01	Surface	Primary	VA25A2777-001	2025-02-05	21.2	<0.00050	<0.00010	0.00034	<0.010	<0.000050	<0.0010	6.43	0.00113	<0.0000050	0.000660	<0.00050	<0.050
	KL-01	Mid	Primary	VA25A2777-002	2025-02-05	21.0	<0.00050	<0.00010	<0.00020	<0.010	<0.000050	<0.0010	6.28	0.00081	<0.0000050	0.000604	<0.00050	<0.050
	KL-01	Deep	Primary	VA25A2777-003	2025-02-05	21.1	<0.00050	<0.00010	<0.00020	0.012	<0.000050	<0.0010	6.00	0.162	<0.0000050	0.000590	<0.00050	<0.050
	KL-01	Deep	Duplicate	VA25A2777-004	2025-02-05	21.8	<0.00050	<0.00010	<0.00020	0.012	<0.000050	<0.0010	6.31	0.158	<0.0000050	0.000606	<0.00050	<0.050
	KL-01	Surface	Primary	VA25B5152-001	2025-06-20	19.3	<0.00050	<0.00010	<0.00020	<0.010	<0.000050	<0.0010	5.68	0.00226	<0.0000050	0.000609	<0.00050	<0.050
	KL-01	Mid	Primary	VA25B5152-002	2025-06-20	19.6	<0.00050	<0.00010	<0.00020	<0.010	<0.000050	<0.0010	5.86	0.00267	<0.0000050	0.000636	<0.00050	<0.050
	KL-01	Deep	Primary	VA25B5152-003	2025-06-20	20.5	<0.00050	<0.00010	<0.00020	0.036	<0.000050	<0.0010	5.86	0.217	<0.0000050	0.000739	<0.00050	<0.050
	KL-01	Surface	Primary	VA25C5037-003	2025-09-18	20.2	<0.00050	<0.00010	<0.00020	0.019	<0.000050	<0.0010	5.74	0.0718	<0.0000050	0.000611	<0.00050	<0.050
	KL-01	Mid	Primary	VA25C5037-004	2025-09-18	20.0	<0.00050	<0.00010	<0.00020	0.017	<0.000050	<0.0010	5.95	0.0681	<0.0000050	0.000614	<0.00050	<0.050
	KL-01	Deep	Primary	VA25C5037-005	2025-09-18	20.2	<0.00050	<0.00010	<0.00020	0.020	<0.000050	<0.0010	5.72	0.0776	<0.0000050	0.000567	<0.00050	<0.050
	KL-01	Surface	Primary	VA25C6737-008	2025-10-06	21.4	<0.00050	<0.00010	<0.00020	<0.010	<0.000050	<0.0010	5.65	0.00188	<0.0000050	0.000574	<0.00050	<0.050
	KL-01	Mid	Primary	VA25C6737-007	2025-10-06	22.2	<0.00050	<0.00010	<0.00020	<0.010	<0.000050	<0.0010	5.75	0.00183	<0.0000050	0.000587	<0.00050	<0.050
	KL-01	Deep	Primary	VA25C6737-006	2025-10-06	21.7	<0.00050	<0.00010	<0.00020	<0.010	<0.000050	<0.0010	5.74	0.00201	<0.0000050	0.000602	<0.00050	<0.050
Tatelkuz Lake	TL-01	Surface	Primary	VA25A3279-001	2025-02-10	20.0	<0.00050	<0.00010	0.00024	<0.010	<0.000050	<0.0010	4.79	0.00052	<0.0000050	0.000621	<0.00050	<0.050
	TL-01	Mid	Primary	VA25A3279-002	2025-02-10	20.5	<0.00050	<0.00010	0.00051	<0.010	<0.000050	<0.0010	4.54	0.00028	<0.0000050	0.000585	0.00108	<0.050
	TL-01	Deep	Primary	VA25A3279-003	2025-02-10	20.4	<0.00050	<0.00010	<0.00020	<0.010	<0.000050	<0.0010	4.34	0.00025	<0.0000050	0.000568	<0.00050	<0.050
	TL-01	Surface	Primary	VA25B2601-001	2025-05-27	19.7	<0.00050	<0.00010	0.00025	<0.010	<0.000050	<0.0010	4.18	0.00178	<0.0000050	0.000606	<0.00050	<0.050
	TL-01	Mid	Primary	VA25B2601-002	2025-05-27	19.6	<0.00050	<0.00010	0.00025	<0.010	<0.000050	<0.0010	4.24	0.00143	<0.0000050	0.000571	<0.00050	<0.050
	TL-01	Deep	Primary	VA25B2601-003	2025-05-27	20.3	<0.00050	<0.00010	<0.00020	<0.010	<0.000050	<0.0010	4.58	0.0362	<0.0000050	0.000616	<0.00050	<0.050
	TL-01	Surface	Primary	VA25B8201-005	2025-07-22	20.9	<0.00050	<0.00010	0.00028	<0.010	<0.000050	<0.0010	4.71	0.00147	<0.0000050	0.000617	<0.00050	<0.050
	TL-01	Mid	Primary	VA25B8201-006	2025-07-22	21.1	<0.00050	<0.00010	0.00022	<0.010	<0.000050	<0.0010	5.09	0.00035	<0.0000050	0.000622	<0.00050	<0.050
	TL-01	Deep	Primary	VA25B8201-007	2025-07-22	21.6	<0.00050	<0.00010	0.00022	<0.010	<0.000050	<0.0010	5.10	0.00062	<0.0000050	0.000596	<0.00050	<0.050
	TL-01	Surface	Primary	VA25C7416-005	2025-10-13	20.8	<0.00050	<0.00010	0.00022	<0.010	<0.000050	<0.0010	4.97	0.00117	<0.0000050	0.000618	<0.00050	<0.050
	TL-01	Mid	Primary	VA25C7416-006	2025-10-13	21.3	<0.00050	<0.00010	0.00021	<0.010	<0.000050	<0.0010	5.06	0.00264	<0.0000050	0.000604	<0.00050	<0.050
	TL-01	Deep	Primary	VA25C7416-007	2025-10-13	20.8	<0.00050	<0.00010	0.00027	0.013	<0.000050	<0.0010	5.44	0.00694	<0.0000050	0.000548	<0.00050	0.057

Notes:
'-' indicates parameter was not analyzed.
'<' indicates value was below the detection limit.

APPENDIX A-2: LAKE WATER QUALITY RESULTS, 2025

Watershed	Site	Depth	QA/QC	Laboratory ID	Date	Dissolved Metals (cont'd)												
						Potassium, Dissolved	Selenium, Dissolved	Silicon, Dissolved	Silver, Dissolved	Sodium, Dissolved	Strontium, Dissolved	Sulfur, Dissolved	Thallium, Dissolved	Tin, Dissolved	Titanium, Dissolved	Uranium, Dissolved	Vanadium, Dissolved	Zinc, Dissolved
						mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Kuyakuz Lake	KL-01	Surface	Primary	VA25A2777-001	2025-02-05	1.01	0.000055	2.25	<0.000010	3.62	0.112	0.58	<0.000010	<0.00010	<0.00030	0.000014	<0.00050	0.0035
	KL-01	Mid	Primary	VA25A2777-002	2025-02-05	0.898	<0.000050	2.34	<0.000010	3.70	0.111	0.57	<0.000010	<0.00010	<0.00030	0.000012	<0.00050	<0.0010
	KL-01	Deep	Primary	VA25A2777-003	2025-02-05	0.949	0.000074	3.61	<0.000010	3.41	0.114	<0.50	<0.000010	<0.00010	<0.00030	0.000012	<0.00050	<0.0010
	KL-01	Deep	Duplicate	VA25A2777-004	2025-02-05	0.980	0.000064	3.67	<0.000010	3.56	0.115	0.60	<0.000010	0.00023	<0.00030	0.000011	<0.00050	0.0013
	KL-01	Surface	Primary	VA25B5152-001	2025-06-20	0.814	<0.000050	1.53	<0.000010	3.35	0.104	<0.50	<0.000010	<0.00010	<0.00030	0.000015	<0.00050	0.0011
	KL-01	Mid	Primary	VA25B5152-002	2025-06-20	0.819	<0.000050	1.53	<0.000010	3.31	0.103	0.52	<0.000010	<0.00010	<0.00030	0.000014	<0.00050	<0.0010
	KL-01	Deep	Primary	VA25B5152-003	2025-06-20	0.888	<0.000050	4.15	<0.000010	3.27	0.108	<0.50	<0.000010	<0.00010	<0.00030	0.000014	<0.00050	<0.0010
	KL-01	Surface	Primary	VA25C5037-003	2025-09-18	0.916	<0.000050	5.17	<0.000010	3.42	0.108	<0.50	<0.000010	<0.00010	<0.00030	0.000012	<0.00050	<0.0010
	KL-01	Mid	Primary	VA25C5037-004	2025-09-18	0.905	0.000050	5.11	<0.000010	3.37	0.108	<0.50	<0.000010	<0.00010	<0.00030	0.000011	<0.00050	<0.0010
	KL-01	Deep	Primary	VA25C5037-005	2025-09-18	0.875	<0.000050	5.27	<0.000010	3.22	0.103	<0.50	<0.000010	<0.00010	<0.00030	0.000011	<0.00050	0.0010
	KL-01	Surface	Primary	VA25C6737-008	2025-10-06	0.923	<0.000050	5.72	<0.000010	3.25	0.103	<0.50	<0.000010	<0.00010	<0.00030	0.000010	<0.00050	<0.0010
	KL-01	Mid	Primary	VA25C6737-007	2025-10-06	0.902	<0.000050	5.74	<0.000010	3.37	0.103	<0.50	<0.000010	<0.00010	<0.00030	0.000010	<0.00050	<0.0010
	KL-01	Deep	Primary	VA25C6737-006	2025-10-06	0.924	<0.000050	5.61	<0.000010	3.42	0.109	<0.50	<0.000010	<0.00010	<0.00030	0.000010	<0.00050	<0.0010
Tatelkuz Lake	TL-01	Surface	Primary	VA25A3279-001	2025-02-10	0.898	<0.000050	4.83	<0.000010	3.56	0.104	1.42	<0.000010	<0.00010	<0.00030	0.000101	<0.00050	<0.0010
	TL-01	Mid	Primary	VA25A3279-002	2025-02-10	0.878	<0.000050	4.18	<0.000010	3.46	0.0966	1.07	<0.000010	<0.00010	<0.00030	0.000093	<0.00050	<0.0010
	TL-01	Deep	Primary	VA25A3279-003	2025-02-10	0.822	0.000075	5.20	<0.000010	3.27	0.0976	1.34	<0.000010	<0.00010	<0.00030	0.000094	<0.00050	<0.0010
	TL-01	Surface	Primary	VA25B2601-001	2025-05-27	0.803	<0.000050	3.35	<0.000010	3.29	0.103	1.10	<0.000010	<0.00010	<0.00030	0.000093	<0.00050	<0.0010
	TL-01	Mid	Primary	VA25B2601-002	2025-05-27	0.837	<0.000050	3.48	<0.000010	3.42	0.0996	1.29	<0.000010	<0.00010	<0.00030	0.000090	<0.00050	<0.0010
	TL-01	Deep	Primary	VA25B2601-003	2025-05-27	0.915	0.000064	4.95	<0.000010	3.54	0.108	1.22	<0.000010	<0.00010	<0.00030	0.000100	<0.00050	<0.0010
	TL-01	Surface	Primary	VA25B8201-005	2025-07-22	0.780	<0.000050	2.27	<0.000010	3.59	0.0953	1.27	<0.000010	<0.00010	<0.00030	0.000115	<0.00050	<0.0010
	TL-01	Mid	Primary	VA25B8201-006	2025-07-22	0.800	<0.000050	4.26	<0.000010	3.53	0.106	0.86	<0.000010	<0.00010	<0.00030	0.000101	<0.00050	<0.0010
	TL-01	Deep	Primary	VA25B8201-007	2025-07-22	0.786	0.000058	4.02	<0.000010	3.49	0.104	0.74	<0.000010	<0.00010	<0.00030	0.000101	<0.00050	<0.0010
	TL-01	Surface	Primary	VA25C7416-005	2025-10-13	0.781	<0.000050	1.76	<0.000010	3.60	0.105	1.38	<0.000010	<0.00010	<0.00030	0.000110	<0.00050	<0.0010
	TL-01	Mid	Primary	VA25C7416-006	2025-10-13	0.813	<0.000050	2.41	<0.000010	3.58	0.106	1.31	<0.000010	<0.00010	<0.00030	0.000103	<0.00050	<0.0010
	TL-01	Deep	Primary	VA25C7416-007	2025-10-13	0.933	0.000061	6.42	<0.000010	3.61	0.107	1.14	<0.000010	<0.00010	<0.00030	0.000095	<0.00050	<0.0010

Notes:
'-' indicates parameter was not analyzed.
'<' indicates value was below the detection limit.

APPENDIX A-2: LAKE WATER QUALITY RESULTS, 2025

Watershed	Site	Depth	QA/QC	Laboratory ID	Date	Anions / Nutrients										Organic / Inorganic Carbon		
						Ammonia, Total (as N)	Bromide	Chloride	Fluoride	Nitrate (as N)	Nitrite (as N)	Total Kjeldahl Nitrogen	Phosphate, Ortho-, Dissolved (as P)	Total Phosphate (as P)	Sulfate (as SO ₄)	Dissolved Organic Carbon	Total Organic Carbon	Total Nitrogen
						mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Kuyakuz Lake	KL-01	Surface	Primary	VA25A2777-001	2025-02-05	0.0181	<0.050	<0.50	0.058	0.0123	0.0011	0.433	<0.0010	0.0130	1.51	-	8.57	7.98
	KL-01	Mid	Primary	VA25A2777-002	2025-02-05	0.0221	<0.050	<0.50	0.069	0.0179	0.0020	0.386	0.0068	0.0094	1.43	-	8.04	7.99
	KL-01	Deep	Primary	VA25A2777-003	2025-02-05	0.131	<0.050	<0.50	0.066	0.0520	0.0074	0.478	0.0037	0.0119	1.04	-	7.94	7.67
	KL-01	Deep	Duplicate	VA25A2777-004	2025-02-05	0.117	<0.050	<0.50	0.064	0.0638	0.0077	0.458	0.0035	0.0200	1.15	-	7.65	7.68
	KL-01	Surface	Primary	VA25B5152-001	2025-06-20	0.0057	<0.050	<0.50	0.063	<0.0050	<0.0010	0.366	0.0014	0.0126	1.38	-	7.94	8.12
	KL-01	Mid	Primary	VA25B5152-002	2025-06-20	0.0059	<0.050	<0.50	0.064	<0.0050	<0.0010	0.343	<0.0010	0.0197	1.39	-	7.88	8.43
	KL-01	Deep	Primary	VA25B5152-003	2025-06-20	0.0406	<0.050	<0.50	0.065	<0.0050	<0.0010	0.386	0.0050	0.0222	1.21	-	7.42	7.84
	KL-01	Surface	Primary	VA25C5037-003	2025-09-18	0.0724	<0.050	<0.50	0.066	<0.0050	<0.0010	0.529	0.0138	0.0446	1.30	0.527	7.52	7.98
	KL-01	Mid	Primary	VA25C5037-004	2025-09-18	0.0757	<0.050	<0.50	0.067	0.0111	<0.0010	0.502	0.0173	0.0480	1.30	0.511	7.56	8.02
	KL-01	Deep	Primary	VA25C5037-005	2025-09-18	0.0908	<0.050	<0.50	0.067	0.0060	<0.0010	0.543	0.0188	0.0516	1.30	0.800	7.46	8.12
	KL-01	Surface	Primary	VA25C6737-008	2025-10-06	0.0150	<0.050	<0.50	0.066	0.0185	0.0011	0.599	0.0060	0.0610	1.61	0.498	7.44	8.69
	KL-01	Mid	Primary	VA25C6737-007	2025-10-06	0.0173	<0.050	<0.50	0.068	0.0194	<0.0010	0.537	0.0069	0.0301	1.61	0.501	7.49	8.05
	KL-01	Deep	Primary	VA25C6737-006	2025-10-06	0.0178	<0.050	<0.50	0.068	0.0207	0.0011	0.521	0.0056	0.0299	1.61	0.460	7.28	7.56
Tatelkuz Lake	TL-01	Surface	Primary	VA25A3279-001	2025-02-10	0.0053	<0.050	<0.50	0.063	0.130	<0.0010	0.241	0.0196	0.0266	3.84	-	7.07	7.23
	TL-01	Mid	Primary	VA25A3279-002	2025-02-10	0.0058	<0.050	<0.50	0.057	0.129	<0.0010	0.232	0.0205	0.0276	3.68	-	7.07	7.38
	TL-01	Deep	Primary	VA25A3279-003	2025-02-10	0.0052	<0.050	<0.50	0.056	0.148	<0.0010	0.216	0.0242	0.0305	3.70	-	6.88	7.21
	TL-01	Surface	Primary	VA25B2601-001	2025-05-27	<0.0050	<0.050	<0.50	0.059	<0.0050	<0.0010	0.402	<0.0010	0.0224	3.67	-	7.30	8.59
	TL-01	Mid	Primary	VA25B2601-002	2025-05-27	0.0053	<0.050	<0.50	0.061	<0.0050	<0.0010	0.290	<0.0010	0.0212	3.68	-	7.24	8.17
	TL-01	Deep	Primary	VA25B2601-003	2025-05-27	0.0168	<0.050	<0.50	0.060	0.0974	0.0017	0.346	0.0128	0.0339	3.81	-	6.79	7.24
	TL-01	Surface	Primary	VA25B8201-005	2025-07-22	0.0062	<0.050	<0.50	0.058	<0.0050	<0.0010	0.294	<0.0010	0.0110	3.89	-	7.96	7.92
	TL-01	Mid	Primary	VA25B8201-006	2025-07-22	0.0082	<0.050	<0.50	0.057	<0.0050	<0.0010	0.285	<0.0010	0.0096	3.83	-	7.44	7.58
	TL-01	Deep	Primary	VA25B8201-007	2025-07-22	<0.0050	<0.050	<0.50	0.057	0.0528	<0.0010	0.306	0.0052	0.0212	3.82	-	7.39	7.55
	TL-01	Surface	Primary	VA25C7416-005	2025-10-13	0.0072	<0.050	<0.50	0.056	<0.0050	<0.0010	0.373	<0.0010	0.0116	4.11	0.317	7.32	8.18
	TL-01	Mid	Primary	VA25C7416-006	2025-10-13	<0.0050	<0.050	<0.50	0.054	0.0065	<0.0010	0.340	<0.0010	0.0142	4.08	0.358	7.73	7.83
	TL-01	Deep	Primary	VA25C7416-007	2025-10-13	0.0220	<0.050	<0.50	0.058	0.194	0.0017	0.282	0.0661	0.0748	3.67	0.416	7.04	7.45

Notes:
'-' indicates parameter was not analyzed.
'<' indicates value was below the detection limit.

Appendix A.3 Fish Tissue Quality Results, 2025

APPENDIX A.3: FISH TISSUE QUALITY RESULTS, 2025

Watershed	Site	Sample	Date	Laboratory ID	Physical Tests	Metals											
					Moisture	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth	
					%	mg/kg	mg/kg wwt	mg/kg	mg/kg wwt	mg/kg	mg/kg wwt	mg/kg	mg/kg wwt	mg/kg	mg/kg wwt	mg/kg	mg/kg wwt
Davidson Creek	DC-05	238083734-Whole body	2025-08-10	VA25C6097-007	76.0	67.0	16.1	< 0.010	< 0.0020	0.289	0.0696	1.81	0.435	< 0.010	< 0.0020	< 0.010	< 0.0020
	DC-05	238083735-Whole body	2025-08-10	VA25C6097-006	74.2	223	57.8	0.016	0.0041	0.677	0.175	2.47	0.638	< 0.010	0.0020	< 0.010	< 0.0020
	DC-05	238083736-Whole body	2025-08-10	VA25C6097-001	77.1	87.9	20.1	0.010	0.0024	0.368	0.0841	2.10	0.479	< 0.010	< 0.0020	< 0.010	< 0.0020
	DC-05	238083737-Whole body	2025-08-10	VA25C6097-002	74.8	101	25.3	< 0.010	< 0.0020	0.309	0.0777	1.83	0.460	< 0.010	< 0.0020	< 0.010	< 0.0020
	DC-05	238083738-Whole body	2025-08-10	VA25C6097-005	76.6	45.2	10.6	< 0.010	< 0.0020	0.195	0.0456	1.53	0.358	< 0.010	< 0.0020	< 0.010	< 0.0020
	DC-05	238083739-Whole body	2025-08-10	VA25C6097-008	73.2	92.3	24.7	< 0.010	< 0.0020	0.385	0.103	1.66	0.445	< 0.010	< 0.0020	< 0.010	< 0.0020
	DC-05	238083740-Whole body	2025-08-10	VA25C6097-003	75.0	82.4	20.6	< 0.010	< 0.0020	0.399	0.0995	1.77	0.441	< 0.010	< 0.0020	< 0.010	< 0.0020
	DC-05	238083741-Whole body	2025-08-10	VA25C6097-004	75.2	99.6	24.7	< 0.010	< 0.0020	0.356	0.0882	2.01	0.497	< 0.010	< 0.0020	< 0.010	< 0.0020
	DC-15	238083726-Whole body	2025-08-06	VA25C6096-004	75.2	56.8	14.1	< 0.010	< 0.0020	0.234	0.0580	1.75	0.435	< 0.010	< 0.0020	< 0.010	< 0.0020
	DC-15	238083727-Whole body	2025-08-06	VA25C6096-002	74.9	81.8	20.5	< 0.010	< 0.0020	0.416	0.104	1.96	0.492	< 0.010	< 0.0020	< 0.010	< 0.0020
	DC-15	238083728-Whole body	2025-08-06	VA25C6096-006	75.2	127	31.4	< 0.010	0.0024	0.574	0.142	2.16	0.536	< 0.010	< 0.0020	< 0.010	< 0.0020
	DC-15	238083729-Whole body	2025-08-06	VA25C6096-008	75.9	49.6	11.9	< 0.010	< 0.0020	0.348	0.0839	2.18	0.525	< 0.010	< 0.0020	< 0.010	< 0.0020
	DC-15	238083730-Whole body	2025-08-06	VA25C6096-001	74.0	88.1	22.9	0.011	0.0028	0.351	0.0914	2.03	0.528	< 0.010	< 0.0020	< 0.010	< 0.0020
	DC-15	238083731-Whole body	2025-08-06	VA25C6096-007	73.3	8.8	2.36	< 0.010	< 0.0020	0.233	0.0620	1.81	0.482	< 0.010	< 0.0020	< 0.010	< 0.0020
	DC-15	238083732-Whole body	2025-08-06	VA25C6096-005	74.4	55.6	14.2	< 0.010	< 0.0020	0.430	0.110	1.55	0.397	< 0.010	< 0.0020	< 0.010	< 0.0020
DC-15	238083733-Whole body	2025-08-06	VA25C6096-003	76.3	165	39.0	0.012	0.0028	0.591	0.140	2.78	0.660	< 0.010	< 0.0020	< 0.010	< 0.0020	
Turtle Creek	TC-05	238083750-Whole body	2025-09-17	VA25C6091-002	76.8	5.1	1.18	< 0.010	< 0.0020	0.150	0.0349	1.48	0.344	< 0.010	< 0.0020	< 0.010	< 0.0020
	TC-05	238083751-Whole body	2025-09-17	VA25C6091-003	72.7	10.2	2.79	< 0.010	< 0.0020	0.177	0.0483	0.857	0.234	< 0.010	< 0.0020	< 0.010	< 0.0020
	TC-05	238083752-Whole body	2025-09-17	VA25C6091-001	75.2	13.5	3.34	< 0.010	< 0.0020	0.116	0.0289	2.30	0.571	< 0.010	< 0.0020	< 0.010	< 0.0020
	TC-10	238083299-Whole body	2025-09-09	VA25C6090-006	73.4	6.5	1.73	< 0.010	< 0.0020	0.188	0.0499	3.15	0.837	< 0.010	< 0.0020	< 0.010	< 0.0020
	TC-10	238083300-Whole body	2025-09-09	VA25C6090-003	72.6	7.5	2.05	< 0.010	< 0.0020	0.191	0.0525	1.16	0.317	< 0.010	< 0.0020	< 0.010	< 0.0020
	TC-10	238083301-Whole body	2025-09-09	VA25C6090-007	76.9	26.5	6.13	< 0.010	< 0.0020	0.213	0.0493	2.07	0.479	< 0.010	< 0.0020	< 0.010	< 0.0020
	TC-10	238083302-Whole body	2025-09-09	VA25C6090-004	71.6	5.0	1.43	< 0.010	< 0.0020	0.159	0.0452	5.73	1.63	< 0.010	< 0.0020	< 0.010	< 0.0020
	TC-10	238083303-Whole body	2025-09-09	VA25C6090-002	77.0	8.8	2.02	< 0.010	< 0.0020	0.133	0.0306	4.30	0.990	< 0.010	< 0.0020	< 0.010	< 0.0020
	TC-10	238083304-Whole body	2025-09-09	VA25C6090-001	75.6	53.8	13.1	< 0.010	< 0.0020	0.197	0.0480	4.36	1.06	< 0.010	< 0.0020	< 0.010	< 0.0020
	TC-10	238083305-Whole body	2025-09-09	VA25C6090-005	72.1	9.5	2.65	< 0.010	< 0.0020	0.170	0.0475	1.25	0.348	< 0.010	< 0.0020	< 0.010	< 0.0020
TC-10	238083306-Whole body	2025-09-09	VA25C6090-008	74.7	375	94.7	< 0.010	0.0023	1.28	0.324	15.0	3.78	0.011	0.0028	< 0.010	< 0.0020	
Creek 661	661-05	238087937-Whole body	2025-09-12	VA25C6102-007	76.6	24.1	5.65	< 0.010	< 0.0020	0.220	0.0516	1.25	0.293	< 0.010	< 0.0020	< 0.010	< 0.0020
	661-05	238087938-Whole body	2025-09-12	VA25C6102-004	78.1	20.0	4.37	< 0.010	< 0.0020	0.211	0.0461	2.03	0.443	< 0.010	< 0.0020	< 0.010	< 0.0020
	661-05	238087939-Whole body	2025-09-12	VA25C6102-003	75.7	3.8	0.92	< 0.010	< 0.0020	0.117	0.0285	0.420	0.102	< 0.010	< 0.0020	< 0.010	< 0.0020
	661-05	238087940-Whole body	2025-09-12	VA25C6102-005	75.2	6.3	1.57	< 0.010	< 0.0020	0.103	0.0256	0.613	0.152	< 0.010	< 0.0020	< 0.010	< 0.0020
	661-05	238087941-Whole body	2025-09-12	VA25C6102-001	76.4	34.8	8.21	< 0.010	< 0.0020	0.179	0.0422	2.04	0.479	< 0.010	< 0.0020	< 0.010	< 0.0020
	661-05	238087942-Whole body	2025-09-12	VA25C6102-006	73.6	3.4	0.90	< 0.010	< 0.0020	0.119	0.0315	1.30	0.342	< 0.010	< 0.0020	< 0.010	< 0.0020
	661-05	238087943-Whole body	2025-09-12	VA25C6102-002	75.7	3.3	0.81	< 0.010	< 0.0020	0.106	0.0258	0.662	0.161	< 0.010	< 0.0020	< 0.010	< 0.0020
	661-10	238087944-Whole body	2025-09-14	VA25C6101-001	75.1	17.5	4.37	< 0.010	< 0.0020	0.275	0.0685	1.02	0.254	< 0.010	< 0.0020	< 0.010	< 0.0020
	661-10	238087945-Whole body	2025-09-14	VA25C6101-008	72.7	7.8	2.14	< 0.010	< 0.0020	0.267	0.0730	1.74	0.476	< 0.010	< 0.0020	< 0.010	< 0.0020
	661-10	238087946-Whole body	2025-09-14	VA25C6101-003	74.3	6.1	1.56	< 0.010	< 0.0020	0.079	0.0204	1.01	0.261	< 0.010	< 0.0020	< 0.010	< 0.0020
	661-10	238087947-Whole body	2025-09-14	VA25C6101-002	72.6	4.4	1.20	< 0.010	< 0.0020	0.249	0.0682	1.16	0.319	< 0.010	< 0.0020	< 0.010	< 0.0020
	661-10	238087948-Whole body	2025-09-14	VA25C6101-007	73.3	53.5	14.3	<									

APPENDIX A.3: FISH TISSUE QUALITY RESULTS, 2025

Watershed	Site	Sample	Date	Laboratory ID	Physical Tests	Metals											
					Moisture	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth	
					%	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww
Creek 705 <i>(cont'd)</i>	705-10	238087965-Whole body	2025-09-10	VA25C6098-005	75.5	17.6	4.30	< 0.010	< 0.0020	0.162	0.0395	2.64	0.645	< 0.010	< 0.0020	< 0.010	< 0.0020
	705-10	238087966-Whole body	2025-09-10	VA25C6098-002	75.9	17.3	4.17	< 0.010	< 0.0020	0.102	0.0245	3.09	0.745	< 0.010	< 0.0020	< 0.010	< 0.0020
	705-10	238087967-Whole body	2025-09-10	VA25C6098-008	76.5	22.0	5.18	< 0.010	< 0.0020	0.190	0.0446	1.92	0.452	< 0.010	< 0.0020	< 0.010	< 0.0020
Fawnie Creek	FC-01	238083742-Whole body	2025-09-13	VA25C6092-003	74.7	12.8	3.25	< 0.010	< 0.0020	0.112	0.0283	1.07	0.270	< 0.010	< 0.0020	< 0.010	< 0.0020
	FC-01	238083743-Whole body	2025-09-13	VA25C6092-007	74.9	379	95.0	< 0.010	< 0.0020	0.290	0.0727	2.77	0.696	< 0.010	< 0.0020	< 0.010	< 0.0020
	FC-01	238083744-Whole body	2025-09-13	VA25C6092-008	74.7	591	150	0.016	0.0041	0.368	0.0931	3.70	0.935	< 0.010	0.0020	< 0.010	< 0.0020
	FC-01	238083745-Whole body	2025-09-13	VA25C6092-004	73.3	41.2	11.0	< 0.010	< 0.0020	0.122	0.0325	1.10	0.294	< 0.010	< 0.0020	< 0.010	< 0.0020
	FC-01	238083746-Whole body	2025-09-13	VA25C6092-002	71.8	13.0	3.66	< 0.010	< 0.0020	0.096	0.0271	0.472	0.133	< 0.010	< 0.0020	< 0.010	< 0.0020
	FC-01	238083747-Whole body	2025-09-13	VA25C6092-006	72.8	59.1	16.1	< 0.010	< 0.0020	0.224	0.0610	1.92	0.522	< 0.010	< 0.0020	< 0.010	< 0.0020
	FC-01	238083748-Whole body	2025-09-13	VA25C6092-005	74.4	86.5	22.1	< 0.010	< 0.0020	0.287	0.0734	2.53	0.648	< 0.010	< 0.0020	< 0.010	< 0.0020
	FC-01	238083749-Whole body	2025-09-13	VA25C6092-001	72.8	13.6	3.69	< 0.010	< 0.0020	0.115	0.0312	1.20	0.326	< 0.010	< 0.0020	< 0.010	< 0.0020
Kuyakuz Lake	KL-01	238082870-Carcass	2025-09-19	VA25C6085-007	62.9	< 2.0	0.69	< 0.010	< 0.0020	0.063	0.0232	0.749	0.278	< 0.010	< 0.0020	< 0.010	< 0.0020
	KL-01	238082871-Liver	2025-09-19	VA25C6084-007	78.4	< 2.0	< 0.40	< 0.010	< 0.0020	0.033	0.0072	< 0.050	< 0.010	< 0.010	< 0.0020	< 0.010	< 0.0020
	KL-01	238082872-Muscle	2025-09-19	VA25C6083-007	74.1	< 2.0	< 0.40	< 0.010	< 0.0020	0.074	0.0192	< 0.050	< 0.010	< 0.010	< 0.0020	< 0.010	< 0.0020
	KL-01	238082873-Carcass	2025-09-19	VA25C6085-002	67.4	10.1	3.30	< 0.010	< 0.0020	0.078	0.0255	0.379	0.124	< 0.010	< 0.0020	< 0.010	< 0.0020
	KL-01	238082874-Liver	2025-09-19	VA25C6084-002	77.4	< 2.0	< 0.40	< 0.010	< 0.0020	0.056	0.0126	< 0.050	< 0.010	< 0.010	< 0.0020	< 0.010	< 0.0020
	KL-01	238082875-Muscle	2025-09-19	VA25C6083-002	76.1	3.5	0.85	< 0.010	< 0.0020	0.096	0.0229	0.074	0.018	< 0.010	< 0.0020	< 0.010	< 0.0020
	KL-01	238082876-Carcass	2025-09-19	VA25C6085-008	71.6	3.6	1.02	< 0.010	< 0.0020	0.081	0.0230	2.75	0.783	< 0.010	< 0.0020	< 0.010	< 0.0020
	KL-01	238082877-Liver	2025-09-19	VA25C6084-008	76.1	< 2.0	< 0.40	< 0.010	< 0.0020	0.041	0.0097	< 0.050	< 0.010	< 0.010	< 0.0020	< 0.010	< 0.0020
	KL-01	238082878-Muscle	2025-09-19	VA25C6083-008	78.8	9.1	1.92	0.018	0.0039	0.064	0.0135	0.122	0.026	< 0.010	< 0.0020	< 0.010	< 0.0020
	KL-01	238082879-Carcass	2025-09-19	VA25C6085-004	70.2	7.0	2.09	< 0.010	< 0.0020	0.031	0.0091	0.217	0.065	< 0.010	< 0.0020	< 0.010	< 0.0020
	KL-01	238082880-Liver	2025-09-19	VA25C6084-004	77.0	< 2.0	< 0.40	< 0.010	< 0.0020	0.028	0.0064	< 0.050	< 0.010	< 0.010	< 0.0020	< 0.010	< 0.0020
	KL-01	238082881-Muscle	2025-09-19	VA25C6083-004	78.3	2.7	0.58	< 0.010	< 0.0020	0.045	0.0098	0.099	0.021	< 0.010	< 0.0020	0.013	0.0027
	KL-01	238082882-Carcass	2025-09-19	VA25C6085-001	68.4	10.3	3.26	< 0.010	< 0.0020	0.034	0.0108	0.468	0.148	< 0.010	< 0.0020	0.013	0.0041
	KL-01	238082883-Liver	2025-09-19	VA25C6084-001	78.3	< 2.0	< 0.40	< 0.010	< 0.0020	0.029	0.0063	0.061	0.013	< 0.010	< 0.0020	< 0.010	< 0.0020
	KL-01	238082884-Muscle	2025-09-19	VA25C6083-001	75.2	2.3	0.58	< 0.010	< 0.0020	0.045	0.0112	0.056	0.014	< 0.010	< 0.0020	< 0.010	< 0.0020
	KL-01	238082885-Carcass	2025-09-19	VA25C6085-003	66.9	5.0	1.67	< 0.010	< 0.0020	0.068	0.0225	0.310	0.103	< 0.010	< 0.0020	0.016	0.0052
	KL-01	238082886-Liver	2025-09-19	VA25C6084-003	77.1	3.3	0.76	< 0.010	< 0.0020	0.041	0.0095	< 0.050	< 0.010	< 0.010	< 0.0020	0.049	0.0113
	KL-01	238082887-Muscle	2025-09-19	VA25C6083-003	77.8	2.3	0.51	< 0.010	< 0.0020	0.133	0.0294	< 0.050	< 0.010	< 0.010	< 0.0020	0.013	0.0030
	KL-01	238082888-Carcass	2025-09-19	VA25C6085-005	68.0	< 2.0	0.62	< 0.010	< 0.0020	0.036	0.0117	0.317	0.101	< 0.010	< 0.0020	< 0.010	< 0.0020
	KL-01	238082889-Liver	2025-09-19	VA25C6084-005	77.0	< 2.0	< 0.40	< 0.010	< 0.0020	< 0.020	< 0.0040	< 0.050	< 0.010	< 0.010	< 0.0020	< 0.010	< 0.0020
	KL-01	238082890-Muscle	2025-09-19	VA25C6083-005	76.9	< 2.0	0.42	< 0.010	< 0.0020	0.043	0.0099	0.053	0.012	< 0.010	< 0.0020	0.014	0.0031
	KL-01	238082891-Carcass	2025-09-19	VA25C6085-006	69.4	10.7	3.28	< 0.010	< 0.0020	0.095	0.0292	0.748	0.229	< 0.010	< 0.0020	< 0.010	< 0.0020
	KL-01	238082892-Liver	2025-09-19	VA25C6084-006	74.3	2.6	0.66	0.014	0.0036	0.090	0.0231	0.497	0.128	< 0.010	< 0.0020	< 0.010	< 0.0020
	KL-01	238082893-Muscle	2025-09-19	VA25C6083-006	76.3	2.1	0.51	< 0.010	< 0.0020	0.128	0.0303	< 0.050	0.011	< 0.010	< 0.0020	< 0.010	< 0.0020
	KL-01	238083275-Carcass	2025-09-19	VA25C6088-004	70.5	6.8	2.01	< 0.010	< 0.0020	0.236	0.0694	1.47	0.434	< 0.010	< 0.0020	< 0.010	< 0.0020
	KL-01	238083276-Liver	2025-09-19	VA25C6087-004	74.3	< 5.0	1.3	< 0.020	< 0.0040	0.130	0.034	< 0.050	0.012	< 0.010	< 0.0020	< 0.010	< 0.0020
	KL-01	238083277-Muscle	2025-09-19	VA25C6086-004	75.8	5.9	1.43	< 0.010	< 0.0020	0.094	0.0228	0.129	0.031	< 0.010	< 0.0020	< 0.010	< 0.0020

APPENDIX A.3: FISH TISSUE QUALITY RESULTS, 2025

Watershed	Site	Sample	Date	Laboratory ID	Physical Tests	Metals											
					Moisture	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth	
					%	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww
Kuyakuz Lake (cont'd)	KL-01	238083295-Muscle	2025-09-19	VA25C6086-002	73.5	< 2.0	< 0.40	< 0.010	< 0.0020	0.031	0.0081	< 0.050	< 0.010	< 0.010	< 0.0020	< 0.010	< 0.0020
	KL-01	238083296-Carcass	2025-09-19	VA25C6088-008	74.2	< 2.0	0.44	< 0.010	< 0.0020	0.224	0.0578	1.66	0.428	< 0.010	< 0.0020	< 0.010	< 0.0020
	KL-01	238083297-Liver	2025-09-19	VA25C6087-008	75.0	< 5.0	< 1.0	< 0.020	< 0.0040	0.204	0.051	< 0.050	< 0.010	< 0.010	< 0.0020	< 0.010	< 0.0020
	KL-01	238083298-Muscle	2025-09-19	VA25C6086-008	76.5	< 2.0	< 0.40	< 0.010	< 0.0020	0.062	0.0145	< 0.050	< 0.010	< 0.010	< 0.0020	< 0.010	< 0.0020
Tatelkuz Lake	TL-01	238081337-Carcass	2025-09-18	VA25C6078-007	74.4	16.2	4.14	0.012	0.0031	0.236	0.0606	1.30	0.333	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238081338-Liver	2025-09-18	VA25C6080-007	72.2	< 5.0	< 1.0	< 0.010	< 0.0020	0.149	0.0412	0.058	0.016	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238081339-Carcass	2025-09-18	VA25C6078-006	76.5	21.8	5.14	< 0.010	< 0.0020	0.166	0.0390	1.24	0.292	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238081340-Liver	2025-09-18	VA25C6080-006	70.8	< 5.0	1.2	< 0.020	< 0.0040	0.208	0.061	0.063	0.018	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238081341-Carcass	2025-09-18	VA25C6078-001	73.9	4.0	1.05	< 0.010	< 0.0020	0.178	0.0466	1.21	0.317	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238081342-Liver	2025-09-18	VA25C6080-001	74.4	< 5.0	< 1.0	< 0.010	< 0.0020	0.108	0.0277	0.054	0.014	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238081343-Carcass	2025-09-18	VA25C6078-003	71.9	3.6	1.00	< 0.010	< 0.0020	0.094	0.0265	0.763	0.214	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238081344-Liver	2025-09-18	VA25C6080-003	79.0	2.2	0.47	< 0.010	< 0.0020	0.112	0.0235	< 0.050	< 0.010	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238081345-Carcass	2025-09-18	VA25C6078-005	71.5	31.5	8.97	< 0.010	< 0.0020	0.132	0.0376	1.78	0.508	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238081346-Liver	2025-09-18	VA25C6080-005	73.9	3.8	1.00	< 0.010	< 0.0020	0.154	0.0402	0.088	0.023	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238081347-Carcass	2025-09-18	VA25C6078-004	75.9	41.8	10.1	< 0.010	< 0.0020	0.173	0.0418	2.61	0.629	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238081348-Liver	2025-09-18	VA25C6080-004	75.2	< 5.0	< 1.0	< 0.010	< 0.0020	0.048	0.0119	< 0.050	< 0.010	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238081349-Carcass	2025-09-18	VA25C6078-002	68.2	6.1	1.93	< 0.010	< 0.0020	0.106	0.0335	0.831	0.264	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238081350-Liver	2025-09-18	VA25C6080-002	78.2	< 2.0	< 0.40	< 0.010	< 0.0020	0.054	0.0119	< 0.050	< 0.010	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238081351-Carcass	2025-09-18	VA25C6081-008	75.9	4.3	1.03	< 0.010	< 0.0020	0.127	0.0307	0.894	0.216	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238081352-Muscle	2025-09-19	VA25C6079-008	77.8	< 2.0	< 0.40	< 0.010	< 0.0020	0.040	0.0088	< 0.050	< 0.010	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238081353-Carcass	2025-09-18	VA25C6081-006	70.1	2.0	0.60	< 0.010	< 0.0020	0.022	0.0066	0.218	0.065	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238081354-Muscle	2025-09-19	VA25C6079-006	76.9	< 2.0	< 0.40	< 0.010	< 0.0020	0.022	0.0051	< 0.050	< 0.010	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238081355-Carcass	2025-09-18	VA25C6081-003	78.9	5.6	1.18	< 0.010	< 0.0020	0.403	0.0850	3.07	0.648	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238081356-Muscle	2025-09-19	VA25C6079-003	79.6	< 2.0	< 0.40	< 0.010	< 0.0020	0.718	0.146	0.085	0.017	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238081357-Carcass	2025-09-18	VA25C6081-007	72.9	3.4	0.92	< 0.010	< 0.0020	0.041	0.0112	0.537	0.146	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238081358-Muscle	2025-09-19	VA25C6079-007	77.9	< 2.0	< 0.40	< 0.010	< 0.0020	0.069	0.0152	0.099	0.022	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238081359-Carcass	2025-09-18	VA25C6081-001	74.7	3.7	0.94	< 0.010	< 0.0020	0.046	0.0117	2.74	0.691	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238081360-Muscle	2025-09-19	VA25C6079-001	80.8	< 2.0	< 0.40	< 0.010	< 0.0020	0.037	0.0071	0.098	0.019	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238081361-Carcass	2025-09-18	VA25C6081-005	75.2	3.7	0.91	< 0.010	< 0.0020	0.080	0.0198	0.500	0.124	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238081362-Muscle	2025-09-19	VA25C6079-005	76.5	< 2.0	< 0.40	< 0.010	< 0.0020	0.040	0.0094	< 0.050	< 0.010	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238081363-Carcass	2025-09-18	VA25C6081-004	76.7	< 2.0	0.45	< 0.010	< 0.0020	0.048	0.0112	1.27	0.296	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238081364-Muscle	2025-09-19	VA25C6079-004	80.7	< 2.0	< 0.40	< 0.010	< 0.0020	0.051	0.0098	< 0.050	< 0.010	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238081365-Carcass	2025-09-18	VA25C6081-002	78.4	4.0	0.86	< 0.010	< 0.0020	0.095	0.0206	1.64	0.354	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238081366-Muscle	2025-09-19	VA25C6079-002	81.5	< 2.0	< 0.40	< 0.010	< 0.0020	0.051	0.0095	0.051	< 0.010	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238081367-Carcass	2025-09-20	VA25C6078-008	74.2	35.1	9.06	< 0.010	< 0.0020	0.134	0.0348	1.85	0.478	< 0.010	< 0.0020	0.053	0.0138
	TL-01	238081368-Liver	2025-09-20	VA25C6080-008	74.2	5.3	1.36	< 0.010	0.0022	0.057	0.0147	0.068	0.018	< 0.010	< 0.0020	0.017	0.0043
	TL-01	238082894-Liver	2025-09-18	VA25C6082-008	71.6	< 5.0	< 1.0	< 0.010	< 0.0020	0.090	0.0256	< 0.050	< 0.010	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238082895-Liver	2025-09-18	VA25C6082-006	70.6	< 5.0	< 1.0	< 0.010	< 0.0020	0.083	0.0243	< 0.050	< 0.010	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238082896-Liver	2025-09-18	VA25C6082-003	72.3	< 5.0	1.2	< 0.010	< 0.0020	0.076	0.0210	< 0.050	< 0.010	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238082897-Liver	2025-09-18	VA25C6082-007	70.1	< 5.0	< 1.0	< 0.010	< 0.0020	0.037	0.0112	< 0.050	< 0.010	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238082898-Liver	2025-09-18	VA25C6082-001	72.2	< 5.0	1.4	< 0.010	< 0.0020	0.105	0.0291	0.058	0.016	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238082899-Liver	2025-09-18	VA25C6082-005	71.5	< 5.0	< 1.0	< 0.010	< 0.0020	0.047	0.0134	< 0.050	< 0.010	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238082900-Liver	2025-09-18	VA25C6082-004	71.4	6.8	1.9	< 0.010	< 0.0020	0.178	0.0509	< 0.050	0.010	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238082901-Liver	2025-09-18	VA25C6082-002	71.1	< 5.0	1.2	< 0.010	< 0.0020	0.088	0.0255	< 0.050	0.013	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238088326-Muscle	2025-09-18	VA25C6103-007	77.4	6.8	1.53	0.014	0.0031	0.103	0.0234	0.113	0.025	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238088327-Muscle	2025-09-18	VA25C6103-006	79.3	< 2.0	< 0.40	< 0.010	< 0.0020	0.068	0.0142	< 0.050	< 0.010	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238088328-Muscle	2025-09-18	VA25C6103-001	79.7	< 2.0	< 0.40	< 0.010	< 0.0020	0.353	0.0716	0.052	0.011	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238088329-Muscle	2025-09-18	VA25C6103-003	78.2	< 2.0	< 0.40	< 0.010	< 0.0020	0.081	0.0176	< 0.050	< 0.010	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238088330-Muscle	2025-09-18	VA25C6103-005	77.3	2.9	0.65	< 0.010	< 0.0020	0.101	0.0229	< 0.050	0.010	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238088331-Muscle	2025-09-18	VA25C6103-004	78.5	< 2.0	< 0.40	< 0.010	< 0.0020	0.081	0.0175	< 0.050	< 0.010	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238088332-Muscle	2025-09-18	VA25C6103-002	77.8	2.4	0.53	< 0.010	< 0.0020	0.137	0.0304	0.315	0.070	< 0.010	< 0.0020	< 0.010	< 0.0020
	TL-01	238088333-Muscle	2025-09-20	VA25C6103-008	79.6	5.4	1.11	< 0.010	< 0.0020	0.084	0.0172	0.146	0.030	< 0.010	< 0.0020	0.072	0.0147

Notes:

'<' indicates value was below the detection limit.

DC-9 is the a site ID used for sampling completed for the DS 3.14 follow-up monitoring program and is the same location as DC-05.

DC-5 is the a site ID used for sampling completed for the DS 3.1

APPENDIX A.3: FISH TISSUE QUALITY RESULTS, 2025

Watershed	Site	Sample	Date	Laboratory ID	Metals (<i>cont'd</i>)													
					Boron		Cadmium		Calcium		Cesium		Chromium		Cobalt		Copper	
					mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww
Davidson Creek	DC-05	238083734-Whole body	2025-08-10	VA25C6097-007	< 1.0	< 0.20	0.169	0.0407	19600	4710	0.174	0.0418	0.087	0.021	0.202	0.0487	4.65	1.12
	DC-05	238083735-Whole body	2025-08-10	VA25C6097-006	< 1.0	< 0.20	0.175	0.0453	14900	3860	0.154	0.0398	0.236	0.061	0.255	0.0660	4.62	1.19
	DC-05	238083736-Whole body	2025-08-10	VA25C6097-001	< 1.0	< 0.20	0.129	0.0295	26800	6120	0.146	0.0334	0.120	0.027	0.135	0.0309	4.52	1.03
	DC-05	238083737-Whole body	2025-08-10	VA25C6097-002	< 1.0	< 0.20	0.0872	0.0219	21300	5350	0.123	0.0310	0.140	0.035	0.216	0.0545	4.47	1.12
	DC-05	238083738-Whole body	2025-08-10	VA25C6097-005	< 1.0	< 0.20	0.0718	0.0168	18000	4220	0.100	0.0235	0.067	0.016	0.078	0.0183	3.89	0.910
	DC-05	238083739-Whole body	2025-08-10	VA25C6097-008	< 1.0	< 0.20	0.141	0.0378	19600	5250	0.141	0.0378	0.106	0.028	0.257	0.0688	4.34	1.16
	DC-05	238083740-Whole body	2025-08-10	VA25C6097-003	< 1.0	< 0.20	0.148	0.0370	19700	4920	0.166	0.0415	0.104	0.026	0.185	0.0462	4.28	1.07
	DC-05	238083741-Whole body	2025-08-10	VA25C6097-004	< 1.0	< 0.20	0.118	0.0293	19100	4730	0.183	0.0453	0.110	0.027	0.243	0.0602	4.45	1.10
	DC-15	238083726-Whole body	2025-08-06	VA25C6096-004	< 1.0	< 0.20	0.119	0.0295	18200	4510	0.156	0.0388	0.082	0.020	0.098	0.0244	4.19	1.04
	DC-15	238083727-Whole body	2025-08-06	VA25C6096-002	< 1.0	< 0.20	0.138	0.0346	21400	5360	0.137	0.0344	0.112	0.028	0.198	0.0495	6.34	1.59
	DC-15	238083728-Whole body	2025-08-06	VA25C6096-006	< 1.0	< 0.20	0.169	0.0419	11500	2860	0.177	0.0439	0.155	0.038	0.229	0.0570	4.86	1.21
	DC-15	238083729-Whole body	2025-08-06	VA25C6096-008	< 1.0	< 0.20	0.162	0.0391	24400	5880	0.131	0.0315	0.083	0.020	0.129	0.0311	5.69	1.37
	DC-15	238083730-Whole body	2025-08-06	VA25C6096-001	< 1.0	< 0.20	0.137	0.0356	18900	4930	0.123	0.0321	0.182	0.047	0.144	0.0375	4.27	1.11
	DC-15	238083731-Whole body	2025-08-06	VA25C6096-007	< 1.0	< 0.20	0.0427	0.0114	15500	4130	0.142	0.0378	< 0.050	< 0.010	0.121	0.0322	3.94	1.05
	DC-15	238083732-Whole body	2025-08-06	VA25C6096-005	< 1.0	< 0.20	0.150	0.0384	19200	4920	0.170	0.0434	0.093	0.024	0.249	0.0637	7.32	1.87
DC-15	238083733-Whole body	2025-08-06	VA25C6096-003	< 1.0	< 0.20	0.195	0.0461	21700	5140	0.132	0.0314	0.217	0.052	0.266	0.0631	5.02	1.19	
Turtle Creek	TC-05	238083750-Whole body	2025-09-17	VA25C6091-002	< 1.0	< 0.20	0.0060	0.0014	29600	6870	0.0314	0.0073	0.557	0.129	0.042	0.0098	2.98	0.692
	TC-05	238083751-Whole body	2025-09-17	VA25C6091-003	< 1.0	< 0.20	0.0099	0.0027	2480	679	0.0423	0.0116	< 0.050	0.011	0.050	0.0137	5.03	1.38
	TC-05	238083752-Whole body	2025-09-17	VA25C6091-001	< 1.0	< 0.20	0.0198	0.0049	35300	8760	0.0212	0.0053	< 0.050	< 0.010	0.068	0.0168	7.44	1.85
	TC-10	238083299-Whole body	2025-09-09	VA25C6090-006	< 1.0	< 0.20	0.0157	0.0042	61100	16200	0.0184	0.0049	< 0.050	0.011	0.050	0.0132	2.63	0.698
	TC-10	238083300-Whole body	2025-09-09	VA25C6090-003	< 1.0	< 0.20	0.0156	0.0043	27600	7570	0.0110	0.0030	0.057	0.016	0.077	0.0211	3.61	0.990
	TC-10	238083301-Whole body	2025-09-09	VA25C6090-007	< 1.0	< 0.20	0.0453	0.0105	26900	6220	0.0673	0.0156	0.053	0.012	0.047	0.0108	3.63	0.840
	TC-10	238083302-Whole body	2025-09-09	VA25C6090-004	< 1.0	< 0.20	0.0226	0.0064	33200	9420	0.0165	0.0047	< 0.050	< 0.010	0.047	0.0134	4.92	1.40
	TC-10	238083303-Whole body	2025-09-09	VA25C6090-002	< 1.0	< 0.20	0.0167	0.0039	64500	14800	0.0184	0.0042	0.184	0.042	0.052	0.0119	3.30	0.760
	TC-10	238083304-Whole body	2025-09-09	VA25C6090-001	< 1.0	< 0.20	0.0256	0.0062	52000	12700	0.0325	0.0079	0.068	0.017	0.062	0.0151	5.89	1.43
	TC-10	238083305-Whole body	2025-09-09	VA25C6090-005	< 1.0	< 0.20	0.0157	0.0044	25100	7010	0.0251	0.0070	0.057	0.016	0.044	0.0122	5.29	1.47
TC-10	238083306-Whole body	2025-09-09	VA25C6090-008	< 1.0	< 0.20	0.0969	0.0245	26600	6730	0.0633	0.0160	0.504	0.127	0.403	0.102	12.0	3.03	
Creek 661	661-05	238087937-Whole body	2025-09-12	VA25C6102-007	< 1.0	< 0.20	0.0370	0.0087	18900	4420	0.106	0.0248	0.186	0.044	0.075	0.0175	4.28	1.00
	661-05	238087938-Whole body	2025-09-12	VA25C6102-004	< 1.0	< 0.20	0.0545	0.0119	44900	9820	0.139	0.0304	0.429	0.094	0.126	0.0277	6.99	1.53
	661-05	238087939-Whole body	2025-09-12	VA25C6102-003	< 1.0	< 0.20	0.0131	0.0032	7210	1750	0.0851	0.0207	0.133	0.032	0.059	0.0144	3.71	0.904
	661-05	238087940-Whole body	2025-09-12	VA25C6102-005	< 1.0	< 0.20	0.0192	0.0048	14700	3650	0.211	0.0524	0.200	0.050	0.057	0.0141	4.12	1.02
	661-05	238087941-Whole body	2025-09-12	VA25C6102-001	< 1.0	< 0.20	0.0361	0.0085	31000	7300	0.215	0.0507	0.283	0.067	0.101	0.0238	4.21	0.992
	661-05	238087942-Whole body	2025-09-12	VA25C6102-006	< 1.0	< 0.20	0.0136	0.0036	36700	9710	0.123	0.0325	0.357	0.094	0.071	0.0187	3.31	0.875
	661-05	238087943-Whole body	2025-09-12	VA25C6102-002	< 1.0	< 0.20	0.0150	0.0036	10800	2610	0.141	0.0342	0.238	0.058	0.102	0.0247	3.35	0.813
	661-10	238087944-Whole body	2025-09-14	VA25C6101-001	< 1.0	< 0.20	0.0958	0.0239	12800	3200	0.132	0.0329	0.056	0.014	0.114	0.0284	3.47	0.866
	661-10	238087945-Whole body	2025-09-14	VA25C6101-008	< 1.0	< 0.20	0.102	0.0277	27300	7460	0.0877	0.0239	< 0.050	0.011	0.136	0.0372	3.10	0.846
	661-10	238087946-Whole body	2025-09-14	VA25C6101-003	< 1.0	< 0.20	0.0683	0.0176	22500	5780	0.0964	0.0248	< 0.050	0.011	0.029	0.0076	3.76	0.966
	661-10	238087947-Whole body	2025-09-14	VA25C6101-002	< 1.0	< 0.20	0.147	0.0402	22800	6260	0.114	0.0313	0.053	0.015	0.136	0.0373	3.16	0.866
	661-10	238087948-Whole body	2025-09-14	VA25C6101-007	< 1.0	< 0.20	0.139	0.0372	31600	8420	0.128	0.0341	0.126	0.034				

APPENDIX A.3: FISH TISSUE QUALITY RESULTS, 2025

Watershed	Site	Sample	Date	Laboratory ID	Metals (<i>cont'd</i>)													
					Boron		Cadmium		Calcium		Cesium		Chromium		Cobalt		Copper	
					mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww
Creek 705 (<i>cont'd</i>)	705-10	238087965-Whole body	2025-09-10	VA25C6098-005	< 1.0	< 0.20	0.0424	0.0104	23500	5750	0.213	0.0521	< 0.050	< 0.010	0.059	0.0144	3.17	0.776
	705-10	238087966-Whole body	2025-09-10	VA25C6098-002	< 1.0	< 0.20	0.0465	0.0112	28400	6850	0.194	0.0468	0.161	0.039	0.063	0.0153	2.68	0.647
	705-10	238087967-Whole body	2025-09-10	VA25C6098-008	< 1.0	< 0.20	0.0496	0.0117	17200	4050	0.175	0.0413	< 0.050	0.011	0.055	0.0130	3.62	0.851
Fawnie Creek	FC-01	238083742-Whole body	2025-09-13	VA25C6092-003	< 1.0	< 0.20	0.0773	0.0196	15300	3870	0.140	0.0356	0.150	0.038	0.049	0.0125	2.32	0.589
	FC-01	238083743-Whole body	2025-09-13	VA25C6092-007	< 1.0	< 0.20	0.139	0.0349	19700	4950	0.174	0.0437	0.319	0.080	0.207	0.0519	3.72	0.934
	FC-01	238083744-Whole body	2025-09-13	VA25C6092-008	< 1.0	< 0.20	0.149	0.0378	21800	5520	0.157	0.0397	0.488	0.123	0.512	0.130	4.18	1.06
	FC-01	238083745-Whole body	2025-09-13	VA25C6092-004	< 1.0	< 0.20	0.100	0.0267	15700	4180	0.118	0.0315	0.121	0.032	0.061	0.0164	3.26	0.868
	FC-01	238083746-Whole body	2025-09-13	VA25C6092-002	< 1.0	< 0.20	0.0801	0.0226	9460	2670	0.117	0.0330	0.089	0.025	0.046	0.0129	2.78	0.785
	FC-01	238083747-Whole body	2025-09-13	VA25C6092-006	< 1.0	< 0.20	0.122	0.0333	17300	4720	0.100	0.0272	0.185	0.050	0.080	0.0219	3.52	0.957
	FC-01	238083748-Whole body	2025-09-13	VA25C6092-005	< 1.0	< 0.20	0.235	0.0602	17800	4570	0.159	0.0407	0.155	0.040	0.133	0.0341	3.99	1.02
	FC-01	238083749-Whole body	2025-09-13	VA25C6092-001	< 1.0	< 0.20	0.0988	0.0268	17600	4780	0.126	0.0343	0.127	0.034	0.057	0.0156	3.11	0.845
Kuyakuz Lake	KL-01	238082870-Carcass	2025-09-19	VA25C6085-007	< 1.0	< 0.20	< 0.0050	< 0.0010	17400	6470	0.0066	0.0024	< 0.050	< 0.010	0.041	0.0151	1.61	0.599
	KL-01	238082871-Liver	2025-09-19	VA25C6084-007	< 1.0	< 0.20	0.0079	0.0017	292	63.1	0.0118	0.0026	< 0.050	< 0.010	0.086	0.0187	4.76	1.03
	KL-01	238082872-Muscle	2025-09-19	VA25C6083-007	< 1.0	< 0.20	< 0.0050	< 0.0010	408	105	0.0251	0.0065	< 0.050	< 0.010	< 0.020	< 0.0040	1.10	0.284
	KL-01	238082873-Carcass	2025-09-19	VA25C6085-002	< 1.0	< 0.20	< 0.0050	< 0.0010	7870	2560	0.0122	0.0040	< 0.050	< 0.010	0.037	0.0122	1.96	0.639
	KL-01	238082874-Liver	2025-09-19	VA25C6084-002	< 1.0	< 0.20	0.0119	0.0027	297	67.0	0.0153	0.0035	< 0.050	< 0.010	0.128	0.0288	5.02	1.13
	KL-01	238082875-Muscle	2025-09-19	VA25C6083-002	< 1.0	< 0.20	< 0.0050	< 0.0010	1030	246	0.0304	0.0072	< 0.050	< 0.010	< 0.020	< 0.0040	1.10	0.262
	KL-01	238082876-Carcass	2025-09-19	VA25C6085-008	< 1.0	< 0.20	0.0086	0.0025	16600	4710	0.0081	0.0023	< 0.050	< 0.010	0.043	0.0123	2.43	0.690
	KL-01	238082877-Liver	2025-09-19	VA25C6084-008	< 1.0	< 0.20	0.0128	0.0031	273	65.2	0.0110	0.0026	< 0.050	< 0.010	0.056	0.0134	5.28	1.26
	KL-01	238082878-Muscle	2025-09-19	VA25C6083-008	< 1.0	< 0.20	< 0.0050	< 0.0010	466	98.6	0.0326	0.0069	< 0.050	< 0.010	< 0.020	< 0.0040	0.98	0.207
	KL-01	238082879-Carcass	2025-09-19	VA25C6085-004	< 1.0	< 0.20	< 0.0050	< 0.0010	3920	1170	0.0096	0.0029	< 0.050	< 0.010	0.029	0.0087	2.23	0.664
	KL-01	238082880-Liver	2025-09-19	VA25C6084-004	< 1.0	< 0.20	0.0082	0.0019	292	67.1	0.0122	0.0028	< 0.050	< 0.010	0.067	0.0155	4.75	1.09
	KL-01	238082881-Muscle	2025-09-19	VA25C6083-004	< 1.0	< 0.20	< 0.0050	< 0.0010	1860	403	0.0232	0.0050	< 0.050	< 0.010	< 0.020	< 0.0040	1.51	0.328
	KL-01	238082882-Carcass	2025-09-19	VA25C6085-001	< 1.0	< 0.20	< 0.0050	0.0010	8140	2580	0.0083	0.0026	< 0.050	< 0.010	0.039	0.0124	1.97	0.624
	KL-01	238082883-Liver	2025-09-19	VA25C6084-001	< 1.0	< 0.20	0.0068	0.0015	290	62.9	0.0103	0.0022	< 0.050	< 0.010	0.098	0.0213	4.41	0.958
	KL-01	238082884-Muscle	2025-09-19	VA25C6083-001	< 1.0	< 0.20	< 0.0050	< 0.0010	866	215	0.0204	0.0051	< 0.050	< 0.010	< 0.020	< 0.0040	1.09	0.271
	KL-01	238082885-Carcass	2025-09-19	VA25C6085-003	< 1.0	< 0.20	< 0.0050	< 0.0010	8130	2690	0.0132	0.0044	< 0.050	< 0.010	0.051	0.0170	2.07	0.686
	KL-01	238082886-Liver	2025-09-19	VA25C6084-003	< 1.0	< 0.20	0.0125	0.0029	290	66.4	0.0191	0.0044	< 0.050	< 0.010	0.086	0.0196	4.24	0.971
	KL-01	238082887-Muscle	2025-09-19	VA25C6083-003	< 1.0	< 0.20	< 0.0050	< 0.0010	887	197	0.0412	0.0091	< 0.050	< 0.010	< 0.020	< 0.0040	1.85	0.409
	KL-01	238082888-Carcass	2025-09-19	VA25C6085-005	< 1.0	< 0.20	< 0.0050	< 0.0010	11600	3700	0.0066	0.0021	< 0.050	< 0.010	0.036	0.0117	2.05	0.656
	KL-01	238082889-Liver	2025-09-19	VA25C6084-005	< 1.0	< 0.20	< 0.0050	< 0.0010	< 20	< 4.0	< 0.0050	< 0.0010	< 0.050	< 0.010	< 0.020	< 0.0040	< 0.10	< 0.020
	KL-01	238082890-Muscle	2025-09-19	VA25C6083-005	< 1.0	< 0.20	< 0.0050	< 0.0010	1670	385	0.0187	0.0043	< 0.050	< 0.010	< 0.020	< 0.0040	0.93	0.215
	KL-01	238082891-Carcass	2025-09-19	VA25C6085-006	< 1.0	< 0.20	< 0.0050	0.0010	16400	5030	0.0106	0.0033	< 0.050	0.014	0.035	0.0107	1.30	0.399
	KL-01	238082892-Liver	2025-09-19	VA25C6084-006	< 1.0	< 0.20	0.0159	0.0041	169	43.4	0.0065	0.0017	< 0.050	< 0.010	0.132	0.0340	7.13	1.84
	KL-01	238082893-Muscle	2025-09-19	VA25C6083-006	< 1.0	< 0.20	< 0.0050	< 0.0010	946	224	0.0266	0.0063	< 0.050	< 0.010	< 0.020	< 0.0040	1.46	0.346
	KL-01	238083275-Carcass	2025-09-19	VA25C6088-004	< 1.0	< 0.20	0.0057	0.0017	32800	9670	0.0058	0.0017	< 0.050	< 0.010	0.058	0.0170	1.90	0.559
	KL-01	238083276-Liver	2025-09-19	VA25C6087-004	< 1.0	< 0.26	0.015	0.0039	268	68.8	0.0051	0.0013	< 0.20	< 0.040	0.056	0.0144	216	55.6
	KL-01	238083277-Muscle	2025-09-19	VA25C6086-004	< 1.0	< 0.20	< 0.											

APPENDIX A.3: FISH TISSUE QUALITY RESULTS, 2025

Watershed	Site	Sample	Date	Laboratory ID	Metals (<i>cont'd</i>)													
					Boron		Cadmium		Calcium		Cesium		Chromium		Cobalt		Copper	
					mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww
Kuyakuz Lake (<i>cont'd</i>)	KL-01	238083295-Muscle	2025-09-19	VA25C6086-002	< 1.0	< 0.20	< 0.0050	< 0.0010	311	82.5	0.0079	0.0021	< 0.050	< 0.010	< 0.020	< 0.0040	0.84	0.223
	KL-01	238083296-Carcass	2025-09-19	VA25C6088-008	< 1.0	< 0.20	0.0051	0.0013	59900	15400	0.0054	0.0014	< 0.050	< 0.010	< 0.020	0.0040	1.61	0.416
	KL-01	238083297-Liver	2025-09-19	VA25C6087-008	< 1.0	< 0.20	0.064	0.0159	275	68.8	< 0.0050	0.0012	< 0.20	< 0.040	0.032	0.0079	168	41.9
	KL-01	238083298-Muscle	2025-09-19	VA25C6086-008	< 1.0	< 0.20	< 0.0050	< 0.0010	1200	283	0.0094	0.0022	< 0.050	< 0.010	< 0.020	< 0.0040	1.04	0.245
Tatelkuz Lake	TL-01	238081337-Carcass	2025-09-18	VA25C6078-007	< 1.0	< 0.20	0.0319	0.0082	25200	6450	0.0092	0.0024	0.072	0.018	0.043	0.0111	2.67	0.685
	TL-01	238081338-Liver	2025-09-18	VA25C6080-007	< 1.0	< 0.20	0.020	0.0056	90	25.1	< 0.0050	< 0.0010	< 0.20	< 0.040	0.065	0.0181	3.89	1.08
	TL-01	238081339-Carcass	2025-09-18	VA25C6078-006	< 1.0	< 0.20	0.0152	0.0036	40800	9600	0.0062	0.0015	0.068	0.016	0.053	0.0124	2.46	0.578
	TL-01	238081340-Liver	2025-09-18	VA25C6080-006	< 1.0	< 0.20	0.016	0.0046	196	57.3	< 0.0050	0.0010	< 0.20	< 0.040	0.090	0.0262	6.83	2.00
	TL-01	238081341-Carcass	2025-09-18	VA25C6078-001	< 1.0	< 0.20	0.0090	0.0023	93800	24500	0.0128	0.0034	< 0.050	0.010	0.039	0.0103	1.47	0.385
	TL-01	238081342-Liver	2025-09-18	VA25C6080-001	< 1.0	< 0.20	0.011	0.0027	82	21.1	< 0.0050	0.0011	< 0.20	< 0.040	0.057	0.0147	3.56	0.913
	TL-01	238081343-Carcass	2025-09-18	VA25C6078-003	< 1.0	< 0.20	0.0124	0.0035	25800	7240	0.0083	0.0023	< 0.050	< 0.010	0.047	0.0132	1.71	0.481
	TL-01	238081344-Liver	2025-09-18	VA25C6080-003	< 1.0	< 0.20	0.0571	0.0120	343	71.9	0.0065	0.0014	< 0.050	< 0.010	0.228	0.0479	7.95	1.67
	TL-01	238081345-Carcass	2025-09-18	VA25C6078-005	< 1.0	< 0.20	0.0150	0.0043	56800	16200	0.0071	0.0020	0.069	0.020	0.043	0.0121	1.68	0.480
	TL-01	238081346-Liver	2025-09-18	VA25C6080-005	< 1.0	< 0.20	0.0405	0.0106	495	129	< 0.0050	0.0010	< 0.050	0.012	0.129	0.0336	8.08	2.11
	TL-01	238081347-Carcass	2025-09-18	VA25C6078-004	< 1.0	< 0.20	0.0127	0.0031	69600	16800	0.0093	0.0022	0.075	0.018	0.106	0.0254	1.75	0.422
	TL-01	238081348-Liver	2025-09-18	VA25C6080-004	< 1.0	< 0.20	0.015	0.0038	142	35.2	< 0.0050	< 0.0010	< 0.20	< 0.040	0.070	0.0174	3.61	0.896
	TL-01	238081349-Carcass	2025-09-18	VA25C6078-002	< 1.0	< 0.20	0.0181	0.0058	27000	8580	0.0065	0.0021	< 0.050	< 0.010	0.044	0.0139	1.68	0.535
	TL-01	238081350-Liver	2025-09-18	VA25C6080-002	< 1.0	< 0.20	0.0292	0.0064	270	58.9	0.0057	0.0012	< 0.050	< 0.010	0.077	0.0168	5.88	1.28
	TL-01	238081351-Carcass	2025-09-18	VA25C6081-008	< 1.0	< 0.20	0.0520	0.0125	22000	5310	0.0104	0.0025	< 0.050	< 0.010	0.062	0.0150	6.32	1.53
	TL-01	238081352-Muscle	2025-09-19	VA25C6079-008	< 1.0	< 0.20	< 0.0050	< 0.0010	730	162	0.0176	0.0039	< 0.050	< 0.010	< 0.020	< 0.0040	1.50	0.334
	TL-01	238081353-Carcass	2025-09-18	VA25C6081-006	< 1.0	< 0.20	0.0089	0.0027	9020	2700	0.0061	0.0018	< 0.050	< 0.010	< 0.020	< 0.0040	1.53	0.458
	TL-01	238081354-Muscle	2025-09-19	VA25C6079-006	< 1.0	< 0.20	< 0.0050	< 0.0010	670	155	0.0120	0.0028	< 0.050	< 0.010	< 0.020	< 0.0040	1.86	0.429
	TL-01	238081355-Carcass	2025-09-18	VA25C6081-003	< 1.0	< 0.20	0.0403	0.0085	41400	8720	0.0143	0.0030	< 0.050	< 0.010	0.097	0.0205	2.11	0.445
	TL-01	238081356-Muscle	2025-09-19	VA25C6079-003	< 1.0	< 0.20	< 0.0050	< 0.0010	1270	258	0.0236	0.0048	< 0.050	< 0.010	< 0.020	< 0.0040	1.26	0.256
	TL-01	238081357-Carcass	2025-09-18	VA25C6081-007	< 1.0	< 0.20	0.0200	0.0054	24600	6690	0.0101	0.0028	< 0.050	< 0.010	0.028	0.0076	1.96	0.531
	TL-01	238081358-Muscle	2025-09-19	VA25C6079-007	< 1.0	< 0.20	< 0.0050	< 0.0010	2350	521	0.0157	0.0035	< 0.050	< 0.010	< 0.020	< 0.0040	1.09	0.242
	TL-01	238081359-Carcass	2025-09-18	VA25C6081-001	< 1.0	< 0.20	0.0368	0.0093	40900	10300	0.0098	0.0025	< 0.050	0.011	0.048	0.0120	1.89	0.478
	TL-01	238081360-Muscle	2025-09-19	VA25C6079-001	< 1.0	< 0.20	< 0.0050	< 0.0010	1450	278	0.0245	0.0047	< 0.050	< 0.010	< 0.020	< 0.0040	1.88	0.361
	TL-01	238081361-Carcass	2025-09-18	VA25C6081-005	< 1.0	< 0.20	0.0424	0.0105	17200	4270	0.0094	0.0023	< 0.050	< 0.010	0.036	0.0089	2.68	0.665
	TL-01	238081362-Muscle	2025-09-19	VA25C6079-005	< 1.0	< 0.20	< 0.0050	< 0.0010	365	85.7	0.0143	0.0034	< 0.050	< 0.010	< 0.020	< 0.0040	1.26	0.295
	TL-01	238081363-Carcass	2025-09-18	VA25C6081-004	< 1.0	< 0.20	0.0147	0.0034	27000	6280	0.0114	0.0027	< 0.050	< 0.010	0.040	0.0093	2.47	0.576
	TL-01	238081364-Muscle	2025-09-19	VA25C6079-004	< 1.0	< 0.20	< 0.0050	< 0.0010	600	116	0.0211	0.0041	< 0.050	< 0.010	< 0.020	< 0.0040	2.01	0.388
	TL-01	238081365-Carcass	2025-09-18	VA25C6081-002	< 1.0	< 0.20	0.0264	0.0057	43200	9310	0.0117	0.0025	0.055	0.012	0.038	0.0083	1.93	0.417
	TL-01	238081366-Muscle	2025-09-19	VA25C6079-002	< 1.0	< 0.20	< 0.0050	< 0.0010	531	98.5	0.0229	0.0043	< 0.050	< 0.010	< 0.020	< 0.0040	1.37	0.255
	TL-01	238081367-Carcass	2025-09-20	VA25C6078-008	< 1.0	< 0.20	0.0096	0.0025	49700	12800	0.0119	0.0031	0.089	0.023	0.105	0.0273	2.00	0.516
	TL-01	238081368-Liver	2025-09-20	VA25C6080-008	< 1.0	< 0.20	0.0220	0.0057	228	58.8	0.0097	0.0025	< 0.050	< 0.010	0.086	0.0223	4.99	1.29
	TL-01	238082894-Liver	2025-09-18	VA25C6082-008	< 1.0	< 0.20	0.111	0.0314	275	78.2	0.0075	0.0021	< 0.20	< 0.040	0.058	0.0166	252	71.5
	TL-01	238082895-Liver	2025-09-18	VA25C6082-006	< 1.0	< 0.20	0.141	0.0415	263	77.1	< 0.0050	0.0014	< 0.20	< 0.040	0.044	0.0131	642	189
	TL-01	238082896-Liver	2025-09-18	VA25C6082-003	< 1.0	< 0.20	0.193	0.0535	279	77.4	0.0055	0.0015	< 0.20	< 0.040	0.050	0.0138	123	34.2
	TL-01	238082897-Liver	2025-09-18	VA25C6082-007	< 1.0	< 0.20	0.122	0.0366	198	59.3	< 0.0050	0.0012	< 0.20	< 0.040	0.049	0.0146	630	188
	TL-01	238082898-Liver	2025-09-18	VA25C6082-001	< 1.0	< 0.20	0.158	0.0438	219	60.9	0.0057	0.0016	< 0.20	< 0.040	0.058	0.0162	595	165
	TL-01	238082899-Liver	2025-09-18	VA25C6082-005	< 1.0	< 0.20	0.081	0.0231	202	57.6	< 0.0050	0.0014	< 0.20	< 0.040	0.048	0.0137	168	48.1
	TL-01	238082900-Liver	2025-09-18	VA25C6082-004	< 1.0	< 0.20	0.562	0.161	264	75.3	0.0077	0.0022	< 0.20	< 0.040	0.121	0.0345	1190	340
	TL-01	238082901-Liver	2025-09-18	VA25C6082-002	< 1.0	< 0.20	0.130	0.0377	195	56.5	0.0056	0.0016	< 0.20	< 0.040	0.057	0.0166	372	108
	TL-01	238088326-Muscle	2025-09-18	VA25C6103-007	< 1.0	< 0.20	< 0.0050	< 0.0010	655	148	0.0147	0.0033	< 0.050	< 0.010	< 0.020	< 0.0040	1.50	0.338
	TL-01	238088327-Muscle	2025-09-18	VA25C6103-006	< 1.0	< 0.20	< 0.0050	< 0.0010	653	135	0.0075	0.0015	< 0.050	< 0.010	< 0.020	< 0.0040	1.20	0.247
	TL-01	238088328-Muscle	2025-09-18	VA25C6103-001	< 1.0	< 0.20	< 0.0050	< 0.0010	1370	278	0.0291	0.0059	< 0.050	< 0.010	< 0.020	< 0.0040	2.06	0.419
	TL-01	238088329-Muscle	2025-09-18	VA25C6103-003	< 1.0	< 0.20	< 0.0050	< 0.0010	297	64.8	0.0194	0.0042	< 0.050	< 0.010	< 0.020	< 0.0040	1.77	0.386
	TL-01	238088330-Muscle	2025-09-18	VA25C6103-005	< 1.0	< 0.20	< 0.0050	< 0.0010	448	102	0.0131	0.0030	< 0.050	< 0.010	< 0.020	< 0.0040	1.23	0.278
	TL-01	238088331-Muscle	2025-09-18	VA25C6103-004	< 1.0	< 0.20	< 0.0050	< 0.0010	799	172	0.0175	0.0038	< 0.050	< 0.010	0.020	0.0044	1.53	0.329
	TL-01	238088332-Muscle	2025-09-18	VA25C6103-002	< 1.0	< 0.20	< 0.0050	< 0.0010	1640	363	0.0191	0.0042	< 0.050	< 0.010	< 0.020	< 0.0040	1.09	0.242
	TL-01	238088333-Muscle	2025-09-20	VA25C6103-008	< 1.0	< 0.20	< 0.0050	< 0.0010	1650	338	0.0224	0.0046	< 0.050	< 0.010	< 0.020	< 0.0040	1.52	0.311

Notes:

'<' indicates value was below the detection limit.

APPENDIX A.3: FISH TISSUE QUALITY RESULTS, 2025

Watershed	Site	Sample	Date	Laboratory ID	Metals (<i>cont'd</i>)													
					Iron		Lead		Lithium		Magnesium		Manganese		Mercury		Molybdenum	
					mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww
Davidson Creek	DC-05	238083734-Whole body	2025-08-10	VA25C6097-007	111	26.6	0.057	0.0137	< 0.50	< 0.10	1270	305	17.7	4.25	0.218	0.0523	0.069	0.0167
	DC-05	238083735-Whole body	2025-08-10	VA25C6097-006	271	70.0	0.206	0.0532	< 0.50	< 0.10	1250	323	22.4	5.79	0.305	0.0788	0.115	0.0296
	DC-05	238083736-Whole body	2025-08-10	VA25C6097-001	142	32.4	0.168	0.0385	< 0.50	< 0.10	1590	364	19.5	4.46	0.396	0.0906	0.071	0.0163
	DC-05	238083737-Whole body	2025-08-10	VA25C6097-002	171	43.1	0.079	0.0199	< 0.50	< 0.10	1360	341	20.0	5.04	0.267	0.0671	0.076	0.0190
	DC-05	238083738-Whole body	2025-08-10	VA25C6097-005	82.8	19.4	0.037	0.0088	< 0.50	< 0.10	1390	325	16.2	3.79	0.356	0.0833	0.086	0.0201
	DC-05	238083739-Whole body	2025-08-10	VA25C6097-008	131	34.9	0.072	0.0193	< 0.50	< 0.10	1280	341	28.3	7.57	0.299	0.0801	0.090	0.0242
	DC-05	238083740-Whole body	2025-08-10	VA25C6097-003	124	31.0	0.068	0.0170	< 0.50	< 0.10	1310	327	16.5	4.11	0.305	0.0762	0.088	0.0221
	DC-05	238083741-Whole body	2025-08-10	VA25C6097-004	153	38.0	0.083	0.0205	< 0.50	< 0.10	1350	334	34.1	8.44	0.295	0.0732	0.087	0.0215
	DC-15	238083726-Whole body	2025-08-06	VA25C6096-004	110	27.2	0.054	0.0135	< 0.50	< 0.10	1300	323	13.4	3.33	0.360	0.0894	0.086	0.0213
	DC-15	238083727-Whole body	2025-08-06	VA25C6096-002	140	35.1	0.068	0.0170	< 0.50	< 0.10	1380	345	18.5	4.64	0.331	0.0830	0.090	0.0225
	DC-15	238083728-Whole body	2025-08-06	VA25C6096-006	201	49.9	0.113	0.0280	< 0.50	< 0.10	1190	295	17.4	4.32	0.367	0.0912	0.084	0.0209
	DC-15	238083729-Whole body	2025-08-06	VA25C6096-008	105	25.2	0.096	0.0231	< 0.50	< 0.10	1480	356	16.4	3.95	0.330	0.0795	0.189	0.0456
	DC-15	238083730-Whole body	2025-08-06	VA25C6096-001	175	45.7	0.147	0.0384	< 0.50	< 0.10	1280	334	17.0	4.43	0.281	0.0731	0.102	0.0267
	DC-15	238083731-Whole body	2025-08-06	VA25C6096-007	61.7	16.5	0.027	0.0073	< 0.50	< 0.10	1110	295	7.05	1.88	0.299	0.0796	0.040	0.0107
	DC-15	238083732-Whole body	2025-08-06	VA25C6096-005	123	31.3	0.055	0.0140	< 0.50	< 0.10	1370	349	18.8	4.80	0.274	0.0700	0.075	0.0191
Turtle Creek	DC-15	238083733-Whole body	2025-08-06	VA25C6096-003	227	53.9	0.125	0.0297	< 0.50	< 0.10	1420	336	27.4	6.50	0.437	0.104	0.088	0.0209
	TC-05	238083750-Whole body	2025-09-17	VA25C6091-002	38.6	8.96	< 0.020	< 0.0040	< 0.50	< 0.10	1720	400	15.4	3.57	0.527	0.122	0.042	0.0097
	TC-05	238083751-Whole body	2025-09-17	VA25C6091-003	52.7	14.4	< 0.020	< 0.0040	< 0.50	< 0.10	873	239	4.73	1.29	0.597	0.163	0.049	0.0135
	TC-05	238083752-Whole body	2025-09-17	VA25C6091-001	186	46.1	0.057	0.0141	< 0.50	< 0.10	1420	353	27.7	6.88	0.245	0.0608	0.093	0.0231
	TC-10	238083299-Whole body	2025-09-09	VA25C6090-006	73.5	19.5	< 0.020	0.0050	< 0.50	< 0.10	1900	506	110	29.3	0.257	0.0683	0.051	0.0136
	TC-10	238083300-Whole body	2025-09-09	VA25C6090-003	50.9	14.0	0.052	0.0143	< 0.50	< 0.10	1310	360	29.4	8.07	0.471	0.129	0.034	0.0093
	TC-10	238083301-Whole body	2025-09-09	VA25C6090-007	86.4	20.0	0.033	0.0075	< 0.50	< 0.10	1480	343	39.3	9.09	0.422	0.0976	0.079	0.0184
	TC-10	238083302-Whole body	2025-09-09	VA25C6090-004	73.1	20.8	< 0.020	< 0.0040	< 0.50	< 0.10	1420	404	182	51.8	0.425	0.121	0.067	0.0190
	TC-10	238083303-Whole body	2025-09-09	VA25C6090-002	88.3	20.3	0.042	0.0096	< 0.50	< 0.10	1970	454	77.0	17.7	0.632	0.146	0.047	0.0109
	TC-10	238083304-Whole body	2025-09-09	VA25C6090-001	150	36.6	0.037	0.0090	< 0.50	< 0.10	1770	431	94.4	23.0	0.724	0.176	0.063	0.0153
Creek 661	TC-10	238083305-Whole body	2025-09-09	VA25C6090-005	84.4	23.5	< 0.020	< 0.0040	< 0.50	< 0.10	1250	348	36.7	10.2	0.373	0.104	0.052	0.0145
	TC-10	238083306-Whole body	2025-09-09	VA25C6090-008	1260	318	0.135	0.0340	< 0.50	< 0.10	1450	366	628	159	0.337	0.0851	0.288	0.0729
	661-05	238087937-Whole body	2025-09-12	VA25C6102-007	80.1	18.8	0.024	0.0056	< 0.50	< 0.10	1480	346	13.0	3.04	0.289	0.0676	0.071	0.0167
	661-05	238087938-Whole body	2025-09-12	VA25C6102-004	99.2	21.7	0.035	0.0076	< 0.50	< 0.10	1740	380	17.4	3.80	0.676	0.148	0.077	0.0167
	661-05	238087939-Whole body	2025-09-12	VA25C6102-003	44.5	10.8	< 0.020	< 0.0040	< 0.50	< 0.10	1180	286	2.45	0.596	0.371	0.0904	0.031	0.0077
	661-05	238087940-Whole body	2025-09-12	VA25C6102-005	69.0	17.1	< 0.020	< 0.0040	< 0.50	< 0.10	1170	290	5.50	1.37	0.262	0.0650	0.043	0.0108
	661-05	238087941-Whole body	2025-09-12	VA25C6102-001	98.5	23.2	0.101	0.0239	< 0.50	< 0.10	1720	404	30.6	7.21	0.269	0.0634	0.076	0.0180
	661-05	238087942-Whole body	2025-09-12	VA25C6102-006	49.7	13.1	< 0.020	< 0.0040	< 0.50	< 0.10	1680	444	9.78	2.58	0.273	0.0721	0.036	0.0096
	661-05	238087943-Whole body	2025-09-12	VA25C6102-002	51.5	12.5	< 0.020	< 0.0040	< 0.50	< 0.10	1130	273	3.91	0.949	0.274	0.0665	0.034	0.0084
	661-10	238087944-Whole body	2025-09-14	VA25C6101-001	84.8	21.2	0.025	0.0063	< 0.50	< 0.10	1270	316	16.7	4.17	0.306	0.0763	0.094	0.0234
	661-10	238087945-Whole body	2025-09-14	VA25C6101-008	50.7	13.9	< 0.020	< 0.0040	< 0.50	< 0.10	1440	393	49.5	13.5	0.381	0.104	0.055	0.0151
	661-10	238087946-Whole body	2025-09-14	VA25C6101-003	48.2	12.4	< 0.020	< 0.0040	< 0.50	< 0.10	1320	338	6.66	1.71	0.260	0.0668	0.050	0.0129
	661-10	238087947-Whole body	2025-09-14	VA25C6101-002	76.9	21.1	0.027	0.0073	< 0.50	< 0.10	1330	365	21.7	5.95	0.280	0.0767	0.057	0.0155
	661-10	238087948-Whole body	2025-09-14	VA25C6101-007	130	34.6	0.044	0.0117	< 0.50	< 0.10	1590	426	42.1	11.2	0.483	0.129	0.108	0.0289
	661-10	238087949-Whole body	2025-09-14	VA25C6101-006	95.0	24.4	0.020	0.0052	< 0.50	< 0.10	1490	381	22.7	5.83	0.349	0.0896	0.089	0.0229
	661-10	238087950-Whole body	2025-09-14	VA25C6101-005	81.1	21.4	0.032	0.0084	< 0.50	< 0.10	1630	429	25.4	6.70	0.374	0.0985	0.083	0.0220
Creek 705	661-10	238087951-Whole body	2025-09-14	VA25C6101-004	55.2	15.3	< 0.020	0.0053	< 0.50	< 0.10	1490	413	19.8	5.50	0.312	0.0866	0.061	0.0168
	705-05	238087952-Whole body	2025-09-11	VA25C6099-001	71.4	19.2	< 0.020	0.0041	< 0.50	< 0.10	1560	419	40.1	10.8	0.850	0.228	0.044	0.0119
	705-05	238087953-Whole body	2025-09-11	VA25C6099-004	72.5	16.4	0.041	0.0094	< 0.50	< 0.10	1310	296	10.9	2.46	0.548	0.124	0.036	0.0082
	705-05	238087954-Whole body	2025-09-11	VA25C6099-006	67.6	17.6	0.067	0.0174	< 0.50	< 0.10	1520	396	68.0	17.7	0.718	0.187	0.060	0.0156
	705-05	238087955-Whole body	2025-09-11	VA25C6099-005	69.7	18.3	0.031	0.0081	< 0.50	< 0.10	1660	435	29.8	7.83	0.535	0.140	0.043	0.0113
	705-05	238087956-Whole body	2025-09-11	VA25C6099-002	69.1	16.9	0.025	0.0061	< 0.50	< 0.10	1650	405	33.9	8.32	1.35	0.332	0.046	0.0114
	705-05	238087957-Whole body	2025-09-11	VA25C6099-008	77.6	17.4	0.033	0.0074	< 0.50	< 0.10	1350	302	20.2	4.53	1.04	0.232	0.044	0.0100
	705-05	238087958-Whole body	2025-09-11	VA25C6099-007	104	25.5	0.156	0.0382	< 0.50	< 0.10	1370	336	28.8	7.05	0.846	0.207	0.053	0.0129
	705-05	238087959-Whole body	2025-09-11	VA25C6099-003	99.0	23.8	0.118	0.0284	< 0.50	< 0.10	1550	373	67.5	16.3	0.618	0.149	0.061	0.0146
	705-10	238087960-Whole body	2025-09-10	VA25C6098-006	91.8	21.3	0.034	0.0079	< 0.50	< 0.10	1450	336	11.8	2.75	0.177	0.0412	0.074	0.0171
	705-10	238087961-Whole body	2025-09-10	VA25C6098-007	102	25.6	0.026	0.0065	< 0.50	< 0.10	1300	327	8.73	2.20	0.222	0.0562	0.081	0.0204
	705-10	238087962-Whole body	2025-09-10	VA25C6098-004	77.5	20.0	0.022	0.0057	< 0.50	< 0.10	1330	342	9.74	2.51	0.119	0.0308	0.095	0.0245
	705-10	238087963-Whole body	2025-09-10	VA25C6098-001	1220	333	0.212	0.0577	< 0.50	0.12	1510	410	32.0	8.68	0.268	0.0729	0.092	0.0250
	705-10	238087964-Whole body	2025-09-10	VA25C6098-003	67.5	16.4	< 0.020	< 0.0040	< 0.50	< 0.10	1550	377	7.20	1.75	0.206	0.0501	0.040	0.0098

APPENDIX A.3: FISH TISSUE QUALITY RESULTS, 2025

Watershed	Site	Sample	Date	Laboratory ID	Metals (<i>cont'd</i>)													
					Iron		Lead		Lithium		Magnesium		Manganese		Mercury		Molybdenum	
					mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww
Creek 705 (<i>cont'd</i>)	705-10	238087965-Whole body	2025-09-10	VA25C6098-005	84.8	20.7	0.054	0.0133	< 0.50	< 0.10	1360	333	10.7	2.62	0.162	0.0396	0.060	0.0147
	705-10	238087966-Whole body	2025-09-10	VA25C6098-002	66.5	16.0	< 0.020	0.0043	< 0.50	< 0.10	1540	371	11.4	2.76	0.196	0.0473	0.070	0.0169
	705-10	238087967-Whole body	2025-09-10	VA25C6098-008	95.7	22.5	< 0.020	0.0045	< 0.50	< 0.10	1250	295	8.23	1.94	0.379	0.0892	0.082	0.0193
Fawnie Creek	FC-01	238083742-Whole body	2025-09-13	VA25C6092-003	58.4	14.8	< 0.020	< 0.0040	< 0.50	< 0.10	1180	299	3.08	0.781	0.0671	0.0170	0.044	0.0112
	FC-01	238083743-Whole body	2025-09-13	VA25C6092-007	455	114	0.092	0.0232	< 0.50	< 0.10	1410	354	14.0	3.51	0.0595	0.0149	0.066	0.0166
	FC-01	238083744-Whole body	2025-09-13	VA25C6092-008	1140	288	0.106	0.0268	0.56	0.14	1510	383	21.3	5.39	0.0752	0.0190	0.069	0.0175
	FC-01	238083745-Whole body	2025-09-13	VA25C6092-004	91.0	24.3	0.027	0.0071	< 0.50	< 0.10	1150	305	5.07	1.35	0.0587	0.0157	0.099	0.0265
	FC-01	238083746-Whole body	2025-09-13	VA25C6092-002	52.6	14.8	0.028	0.0079	< 0.50	< 0.10	991	280	2.51	0.709	0.0590	0.0166	0.052	0.0146
	FC-01	238083747-Whole body	2025-09-13	VA25C6092-006	149	40.6	0.041	0.0111	< 0.50	< 0.10	1150	312	6.63	1.80	0.0427	0.0116	0.063	0.0173
	FC-01	238083748-Whole body	2025-09-13	VA25C6092-005	164	41.9	0.021	0.0055	< 0.50	< 0.10	1270	324	6.23	1.59	0.0459	0.0117	0.057	0.0146
	FC-01	238083749-Whole body	2025-09-13	VA25C6092-001	62.1	16.9	0.025	0.0068	< 0.50	< 0.10	1180	322	4.21	1.14	0.0601	0.0163	0.048	0.0129
Kuyakuz Lake	KL-01	238082870-Carcass	2025-09-19	VA25C6085-007	47.0	17.4	< 0.020	< 0.0040	< 0.50	< 0.10	1040	386	20.0	7.41	0.0140	0.0052	0.030	0.0112
	KL-01	238082871-Liver	2025-09-19	VA25C6084-007	251	54.3	< 0.020	< 0.0040	< 0.50	< 0.10	1090	236	6.13	1.33	0.108	0.0235	0.355	0.0767
	KL-01	238082872-Muscle	2025-09-19	VA25C6083-007	13.0	3.37	< 0.020	< 0.0040	< 0.50	< 0.10	1340	346	0.471	0.122	0.0400	0.0103	< 0.020	< 0.0040
	KL-01	238082873-Carcass	2025-09-19	VA25C6085-002	65.3	21.3	0.028	0.0091	< 0.50	< 0.10	1030	334	9.85	3.21	0.0238	0.0078	0.032	0.0103
	KL-01	238082874-Liver	2025-09-19	VA25C6084-002	127	28.7	< 0.020	< 0.0040	< 0.50	< 0.10	1150	260	8.89	2.01	0.0866	0.0195	0.415	0.0937
	KL-01	238082875-Muscle	2025-09-19	VA25C6083-002	20.7	4.95	0.022	0.0053	< 0.50	< 0.10	1410	337	1.01	0.242	0.0433	0.0103	< 0.020	< 0.0040
	KL-01	238082876-Carcass	2025-09-19	VA25C6085-008	87.9	25.0	< 0.020	< 0.0040	< 0.50	< 0.10	1210	345	70.8	20.1	0.0240	0.0068	0.078	0.0222
	KL-01	238082877-Liver	2025-09-19	VA25C6084-008	221	52.7	< 0.020	< 0.0040	< 0.50	< 0.10	1070	256	11.7	2.81	0.155	0.0371	0.402	0.0961
	KL-01	238082878-Muscle	2025-09-19	VA25C6083-008	30.0	6.35	0.024	0.0050	< 0.50	< 0.10	1580	335	1.11	0.235	0.0716	0.0152	< 0.020	< 0.0040
	KL-01	238082879-Carcass	2025-09-19	VA25C6085-004	53.0	15.8	< 0.020	< 0.0040	< 0.50	< 0.10	1060	315	7.57	2.26	0.0229	0.0068	0.027	0.0081
	KL-01	238082880-Liver	2025-09-19	VA25C6084-004	97.0	22.3	< 0.020	< 0.0040	< 0.50	< 0.10	1150	265	8.95	2.06	0.0647	0.0149	0.421	0.0968
	KL-01	238082881-Muscle	2025-09-19	VA25C6083-004	21.3	4.62	< 0.020	< 0.0040	< 0.50	< 0.10	1550	336	1.13	0.246	0.0311	0.0067	< 0.020	< 0.0040
	KL-01	238082882-Carcass	2025-09-19	VA25C6085-001	80.2	25.4	0.032	0.0101	< 0.50	< 0.10	1110	351	10.4	3.28	0.0238	0.0075	0.032	0.0102
	KL-01	238082883-Liver	2025-09-19	VA25C6084-001	134	29.2	< 0.020	< 0.0040	< 0.50	< 0.10	1140	247	7.58	1.65	0.0898	0.0195	0.398	0.0864
	KL-01	238082884-Muscle	2025-09-19	VA25C6083-001	15.4	3.83	< 0.020	< 0.0040	< 0.50	< 0.10	1370	341	0.785	0.195	0.0391	0.0097	< 0.020	< 0.0040
	KL-01	238082885-Carcass	2025-09-19	VA25C6085-003	51.2	16.9	0.025	0.0084	< 0.50	< 0.10	1040	344	12.0	3.99	0.0244	0.0081	0.024	0.0081
	KL-01	238082886-Liver	2025-09-19	VA25C6084-003	169	38.8	< 0.020	< 0.0040	< 0.50	< 0.10	1060	242	9.42	2.16	0.128	0.0292	0.382	0.0876
	KL-01	238082887-Muscle	2025-09-19	VA25C6083-003	26.5	5.86	< 0.020	< 0.0040	< 0.50	< 0.10	1520	337	0.840	0.186	0.0746	0.0165	< 0.020	< 0.0040
	KL-01	238082888-Carcass	2025-09-19	VA25C6085-005	50.9	16.3	< 0.020	< 0.0040	< 0.50	< 0.10	1130	361	12.3	3.95	0.0238	0.0076	0.034	0.0108
	KL-01	238082889-Liver	2025-09-19	VA25C6084-005	< 3.0	< 0.60	< 0.020	< 0.0040	< 0.50	< 0.10	< 2.0	< 0.40	< 0.050	< 0.010	< 0.0050	< 0.0010	< 0.020	< 0.0040
	KL-01	238082890-Muscle	2025-09-19	VA25C6083-005	15.2	3.50	< 0.020	< 0.0040	< 0.50	< 0.10	1450	335	0.871	0.201	0.0596	0.0138	< 0.020	< 0.0040
	KL-01	238082891-Carcass	2025-09-19	VA25C6085-006	72.8	22.3	< 0.020	< 0.0040	< 0.50	< 0.10	981	301	6.29	1.93	0.0241	0.0074	0.033	0.0102
	KL-01	238082892-Liver	2025-09-19	VA25C6084-006	230	59.2	< 0.020	< 0.0040	< 0.50	< 0.10	714	184	6.04	1.56	0.122	0.0315	0.703	0.181
	KL-01	238082893-Muscle	2025-09-19	VA25C6083-006	24.2	5.74	< 0.020	< 0.0040	< 0.50	< 0.10	1510	359	0.808	0.192	0.0409	0.0097	< 0.020	< 0.0040
	KL-01	238083275-Carcass	2025-09-19	VA25C6088-004	89.7	26.4	0.024	0.0070	< 0.50	< 0.10	1230	361	39.6	11.7	0.0591	0.0174	0.051	0.0149
	KL-01	238083276-Liver	2025-09-19	VA25C6087-004	647	166	< 0.050	< 0.010	< 0.50	< 0.10	734	189	6.09	1.56	0.095	0.0244	0.642	0.165
	KL-01	238083277-Muscle	2025-09-19	VA25C6086-004	26.2	6.34	< 0.020	< 0.0040	< 0.50	< 0.10	1480	359	1.74	0.421	0.111	0.0268	< 0.020	< 0.0040
	KL-01	238083278-Carcass	2025-09-19	VA25C6088-007	84.0	22.5	< 0.020	< 0.0040	< 0.50	< 0.10	1380	370	36.8	9.85	0.0686	0.0184	0.049	0.0130
	KL-01	238083279-Liver	2025-09-19	VA25C6087-007	782	177	< 0.050	< 0.010	< 0.50	< 0.10	698	158	5.76	1.30	0.152	0.0345	0.737	0.167
	KL-01	238083280-Muscle	2025-09-19	VA25C6086-007	15.3	3.93	< 0.020	< 0.0040	< 0.50	< 0.10	1320	338	0.941	0.242	0.109	0.0279	< 0.020	< 0.0040
	KL-01	238083281-Carcass	2025-09-19	VA25C6088-001	86.6	22.4	0.034	0.0088	< 0.50	< 0.10	1380	357	24.7	6.37	0.0797	0.0206	0.055	0.0142
	KL-01	238083282-Liver	2025-09-19	VA25C6087-001	538	137	< 0.050	< 0.010	< 0.50	< 0.10	726	185	6.00	1.53	0.147	0.0375	0.888	0.226
	KL-01	238083283-Muscle	2025-09-19	VA25C6086-001	26.4	6.65	0.028	0.0071	< 0.50	< 0.10	1310	329	1.08	0.273	0.114	0.0288	< 0.020	0.0041
	KL-01	238083284-Carcass	2025-09-19	VA25C6088-005	85.5	25.1	< 0.020	< 0.0040	< 0.50	< 0.10	1000	295	29.0	8.53	0.0661	0.0194	0.045	0.0131
	KL-01	238083285-Liver	2025-09-19	VA25C6087-005	422	100	< 0.050	< 0.010	< 0.50	< 0.10	695	165	5.91	1.40	0.125	0.0297	0.700	0.166
	KL-01	238083286-Muscle	2025-09-19	VA25C6086-005	15.4	3.71	< 0.020	< 0.0040	< 0.50	< 0.10	1320	317	0.647	0.156	0.104	0.0250	< 0.020	< 0.0040
	KL-01	238083287-Carcass	2025-09-19	VA25C6088-006	84.2	21.9	< 0.020	< 0.0040	< 0.50	< 0.10	1920	501	48.2	12.6	0.0638	0.0166	0.055	0.0143
	KL-01	238083288-Liver	2025-09-19	VA25C6087-006	567	134	< 0.050	< 0.010	< 0.50	< 0.10	679	161	4.89	1.16	0.138	0.0326	0.713	0.169
	KL-01	238083289-Muscle	2025-09-19	VA25C6086-006	13.8	3.39	< 0.020	< 0.0040	< 0.50	< 0.10	1340	329	0.535	0.132	0.126	0.0311	< 0.020	< 0.0040
	KL-01	238083290-Carcass	2025-09-19	VA25C6088-003	86.6	24.7	< 0.020	< 0.0040	< 0.50	< 0.10	1570	447	56.8	16.2	0.0500	0.0142	0.053	0.0151
	KL-01	238083291-Liver	2025-09-19	VA25C6087-003	546	141	< 0.050	< 0.010	< 0.50	< 0.10	657	170	5.07	1.31	0.127	0.0328	0.717	0.186
	KL-01	238083292-Muscle	2025-09-19	VA25C6086-003	22.8	5.49	< 0.020	< 0.0040	< 0.50	< 0.10	1390	333	0.838	0.201	0.0948	0.0228	< 0.020	< 0.0040
	KL-01	238083293-Carcass	2025-09-19	VA25C6088-002	45.1	18.2	< 0.020	0.0063	< 0.50	< 0.10	676	273	3.17	1.28	0.0513	0.0207	< 0.020	0.005

APPENDIX A.3: FISH TISSUE QUALITY RESULTS, 2025

Watershed	Site	Sample	Date	Laboratory ID	Metals (<i>cont'd</i>)													
					Iron		Lead		Lithium		Magnesium		Manganese		Mercury		Molybdenum	
					mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww
Kuyakuz Lake (<i>cont'd</i>)	KL-01	238083295-Muscle	2025-09-19	VA25C6086-002	22.6	5.99	< 0.020	< 0.0040	< 0.50	< 0.10	1160	308	0.487	0.129	0.111	0.0293	< 0.020	< 0.0040
	KL-01	238083296-Carcass	2025-09-19	VA25C6088-008	81.4	21.0	< 0.020	< 0.0040	< 0.50	< 0.10	1710	440	35.8	9.24	0.0339	0.0087	0.044	0.0113
	KL-01	238083297-Liver	2025-09-19	VA25C6087-008	230	57.5	< 0.050	< 0.010	< 0.50	< 0.10	761	190	5.33	1.33	0.088	0.0220	0.758	0.189
	KL-01	238083298-Muscle	2025-09-19	VA25C6086-008	14.2	3.33	< 0.020	< 0.0040	< 0.50	< 0.10	1390	326	0.846	0.199	0.0545	0.0128	< 0.020	< 0.0040
Tatelkuz Lake	TL-01	238081337-Carcass	2025-09-18	VA25C6078-007	112	28.8	0.058	0.0149	< 0.50	< 0.10	1200	307	33.2	8.50	0.0730	0.0187	0.047	0.0119
	TL-01	238081338-Liver	2025-09-18	VA25C6080-007	69.2	19.2	0.072	0.020	< 0.50	< 0.10	370	103	4.84	1.34	0.267	0.0742	0.388	0.108
	TL-01	238081339-Carcass	2025-09-18	VA25C6078-006	117	27.6	0.029	0.0067	< 0.50	< 0.10	1530	361	61.7	14.5	0.0651	0.0153	0.055	0.0130
	TL-01	238081340-Liver	2025-09-18	VA25C6080-006	123	35.8	< 0.050	< 0.010	< 0.50	< 0.10	625	182	5.34	1.56	0.173	0.0504	0.651	0.190
	TL-01	238081341-Carcass	2025-09-18	VA25C6078-001	41.8	10.9	0.023	0.0060	< 0.50	< 0.10	2170	567	24.4	6.38	0.0882	0.0231	0.035	0.0091
	TL-01	238081342-Liver	2025-09-18	VA25C6080-001	61.1	15.7	< 0.050	< 0.010	< 0.50	< 0.10	420	108	3.50	0.897	0.273	0.0700	0.463	0.119
	TL-01	238081343-Carcass	2025-09-18	VA25C6078-003	51.1	14.3	< 0.020	< 0.0040	< 0.50	< 0.10	1090	306	8.54	2.40	0.252	0.0706	0.028	0.0078
	TL-01	238081344-Liver	2025-09-18	VA25C6080-003	477	100	< 0.020	< 0.0040	< 0.50	< 0.10	709	149	5.62	1.18	1.29	0.270	0.829	0.174
	TL-01	238081345-Carcass	2025-09-18	VA25C6078-005	122	34.8	0.026	0.0074	< 0.50	< 0.10	1640	468	63.6	18.1	0.121	0.0346	0.039	0.0112
	TL-01	238081346-Liver	2025-09-18	VA25C6080-005	126	33.0	< 0.020	< 0.0040	< 0.50	< 0.10	745	194	11.0	2.88	0.362	0.0945	0.496	0.129
	TL-01	238081347-Carcass	2025-09-18	VA25C6078-004	186	44.9	0.024	0.0058	< 0.50	< 0.10	1970	474	68.1	16.4	0.161	0.0389	0.045	0.0107
	TL-01	238081348-Liver	2025-09-18	VA25C6080-004	46.1	11.4	< 0.050	< 0.010	< 0.50	< 0.10	266	66.1	2.26	0.562	0.481	0.119	0.396	0.0982
	TL-01	238081349-Carcass	2025-09-18	VA25C6078-002	48.2	15.3	< 0.020	0.0056	< 0.50	< 0.10	1210	384	16.8	5.35	0.0909	0.0289	0.044	0.0140
	TL-01	238081350-Liver	2025-09-18	VA25C6080-002	168	36.7	< 0.020	< 0.0040	< 0.50	< 0.10	1020	221	9.62	2.10	0.406	0.0886	0.519	0.113
	TL-01	238081351-Carcass	2025-09-18	VA25C6081-008	98.3	23.7	< 0.020	0.0041	< 0.50	< 0.10	1260	303	12.2	2.93	0.0839	0.0203	0.049	0.0118
	TL-01	238081352-Muscle	2025-09-19	VA25C6079-008	17.0	3.79	< 0.020	< 0.0040	< 0.50	< 0.10	1460	323	0.674	0.150	0.104	0.0230	< 0.020	< 0.0040
	TL-01	238081353-Carcass	2025-09-18	VA25C6081-006	49.4	14.8	< 0.020	< 0.0040	< 0.50	< 0.10	866	259	1.82	0.545	0.0788	0.0236	< 0.020	0.0043
	TL-01	238081354-Muscle	2025-09-19	VA25C6079-006	22.0	5.08	< 0.020	< 0.0040	< 0.50	< 0.10	1530	352	0.504	0.116	0.137	0.0315	< 0.020	< 0.0040
	TL-01	238081355-Carcass	2025-09-18	VA25C6081-003	101	21.3	< 0.020	< 0.0040	< 0.50	< 0.10	1790	378	16.9	3.56	0.320	0.0675	0.047	0.0098
	TL-01	238081356-Muscle	2025-09-19	VA25C6079-003	27.0	5.49	< 0.020	< 0.0040	< 0.50	< 0.10	1680	341	0.651	0.133	0.536	0.109	< 0.020	< 0.0040
	TL-01	238081357-Carcass	2025-09-18	VA25C6081-007	74.7	20.3	< 0.020	< 0.0040	< 0.50	< 0.10	1320	357	8.10	2.20	0.0872	0.0237	0.034	0.0092
	TL-01	238081358-Muscle	2025-09-19	VA25C6079-007	14.6	3.23	< 0.020	< 0.0040	< 0.50	< 0.10	1480	327	2.02	0.446	0.145	0.0322	< 0.020	< 0.0040
	TL-01	238081359-Carcass	2025-09-18	VA25C6081-001	95.9	24.2	< 0.020	< 0.0040	< 0.50	< 0.10	1610	408	14.7	3.72	0.237	0.0599	0.024	0.0060
	TL-01	238081360-Muscle	2025-09-19	VA25C6079-001	45.3	8.70	< 0.020	< 0.0040	< 0.50	< 0.10	1610	309	0.747	0.144	0.540	0.104	< 0.020	< 0.0040
	TL-01	238081361-Carcass	2025-09-18	VA25C6081-005	83.6	20.8	< 0.020	< 0.0040	< 0.50	< 0.10	1140	284	5.98	1.48	0.0769	0.0191	0.054	0.0133
	TL-01	238081362-Muscle	2025-09-19	VA25C6079-005	18.0	4.21	< 0.020	< 0.0040	< 0.50	< 0.10	1410	330	0.351	0.082	0.113	0.0264	< 0.020	< 0.0040
	TL-01	238081363-Carcass	2025-09-18	VA25C6081-004	73.5	17.1	< 0.020	< 0.0040	< 0.50	< 0.10	1320	306	5.21	1.21	0.181	0.0421	0.048	0.0111
	TL-01	238081364-Muscle	2025-09-19	VA25C6079-004	31.8	6.13	< 0.020	< 0.0040	< 0.50	< 0.10	1430	277	0.405	0.078	0.385	0.0744	< 0.020	< 0.0040
	TL-01	238081365-Carcass	2025-09-18	VA25C6081-002	110	23.8	< 0.020	< 0.0040	< 0.50	< 0.10	1640	353	8.48	1.83	0.452	0.0976	0.034	0.0073
	TL-01	238081366-Muscle	2025-09-19	VA25C6079-002	44.1	8.18	< 0.020	< 0.0040	< 0.50	< 0.10	1530	284	0.369	0.068	0.799	0.148	< 0.020	< 0.0040
	TL-01	238081367-Carcass	2025-09-20	VA25C6078-008	144	37.1	0.073	0.0189	< 0.50	< 0.10	1760	455	24.0	6.19	0.124	0.0321	0.049	0.0126
	TL-01	238081368-Liver	2025-09-20	VA25C6080-008	126	32.4	0.063	0.0162	< 0.50	< 0.10	1190	307	8.81	2.28	0.237	0.0611	0.548	0.142
	TL-01	238082894-Liver	2025-09-18	VA25C6082-008	639	181	< 0.050	< 0.010	< 0.50	< 0.10	690	196	4.78	1.36	0.160	0.0454	0.530	0.151
	TL-01	238082895-Liver	2025-09-18	VA25C6082-006	312	91.6	< 0.050	< 0.010	< 0.50	< 0.10	701	206	4.73	1.39	0.184	0.0541	0.812	0.239
	TL-01	238082896-Liver	2025-09-18	VA25C6082-003	1470	407	< 0.050	< 0.010	< 0.50	< 0.10	521	145	3.71	1.03	0.663	0.184	1.14	0.316
	TL-01	238082897-Liver	2025-09-18	VA25C6082-007	542	162	< 0.050	< 0.010	< 0.50	< 0.10	663	198	4.23	1.26	0.210	0.0628	0.770	0.230
	TL-01	238082898-Liver	2025-09-18	VA25C6082-001	2070	576	< 0.050	< 0.010	< 0.50	< 0.10	554	154	4.32	1.20	0.675	0.188	1.25	0.348
	TL-01	238082899-Liver	2025-09-18	VA25C6082-005	1050	299	< 0.050	< 0.010	< 0.50	< 0.10	474	135	5.61	1.60	0.366	0.105	0.971	0.277
	TL-01	238082900-Liver	2025-09-18	VA25C6082-004	1860	533	< 0.050	< 0.010	< 0.50	< 0.10	695	198	4.48	1.28	0.581	0.166	1.61	0.461
	TL-01	238082901-Liver	2025-09-18	VA25C6082-002	2080	601	< 0.050	< 0.010	< 0.50	< 0.10	558	161	4.03	1.17	0.509	0.147	1.05	0.302
	TL-01	238088326-Muscle	2025-09-18	VA25C6103-007	26.2	5.93	0.031	0.0071	< 0.50	< 0.10	1610	365	1.41	0.318	0.137	0.0309	< 0.020	< 0.0040
	TL-01	238088327-Muscle	2025-09-18	VA25C6103-006	14.7	3.04	< 0.020	< 0.0040	< 0.50	< 0.10	1570	325	1.07	0.222	0.0999	0.0207	< 0.020	< 0.0040
	TL-01	238088328-Muscle	2025-09-18	VA25C6103-001	20.6	4.18	< 0.020	< 0.0040	< 0.50	< 0.10	1650	335	1.24	0.251	0.203	0.0411	< 0.020	< 0.0040
	TL-01	238088329-Muscle	2025-09-18	VA25C6103-003	18.5	4.03	< 0.020	< 0.0040	< 0.50	< 0.10	1470	321	0.486	0.106	0.469	0.102	< 0.020	< 0.0040
	TL-01	238088330-Muscle	2025-09-18	VA25C6103-005	19.8	4.49	< 0.020	< 0.0040	< 0.50	< 0.10	1500	341	0.956	0.217	0.255	0.0579	< 0.020	< 0.0040
	TL-01	238088331-Muscle	2025-09-18	VA25C6103-004	21.4	4.61	< 0.020	< 0.0040	< 0.50	< 0.10	1700	366	0.940	0.202	0.303	0.0652	< 0.020	< 0.0040
	TL-01	238088332-Muscle	2025-09-18	VA25C6103-002	16.7	3.69	< 0.020	< 0.0040	< 0.50	< 0.10	1510	334	1.04	0.231	0.196	0.0435	< 0.020	< 0.0040
	TL-01	238088333-Muscle	2025-09-20	VA25C6103-008	26.6	5.42	0.057	0.0116	< 0.50	< 0.10	1600	327	1.37	0.280	0.237	0.0484	< 0.020	< 0.0040

Notes:

'<' indicates value was below the detection limit.

DC-9 is the a site ID used for sampling completed for the DS 3.14 follow-up monitoring program and is the same location as DC-05.

DC-5 is the a site ID used for sampling completed for the DS 3.14 follow-up monitoring program and is the same location as DC-15.

APPENDIX A.3: FISH TISSUE QUALITY RESULTS, 2025

Watershed	Site	Sample	Date	Laboratory ID	Metals (<i>cont'd</i>)													
					Nickel		Phosphorus		Potassium		Rubidium		Selenium		Sodium		Strontium	
					mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww
Davidson Creek	DC-05	238083734-Whole body	2025-08-10	VA25C6097-007	< 0.20	< 0.040	20400	4900	14900	3570	13.9	3.35	1.70	0.409	3470	833	25.5	6.13
	DC-05	238083735-Whole body	2025-08-10	VA25C6097-006	< 0.20	0.047	17800	4590	15100	3910	12.6	3.25	1.53	0.396	3380	873	16.4	4.24
	DC-05	238083736-Whole body	2025-08-10	VA25C6097-001	< 0.20	< 0.040	25400	5820	17200	3920	11.2	2.57	1.86	0.426	4180	957	31.3	7.15
	DC-05	238083737-Whole body	2025-08-10	VA25C6097-002	< 0.20	< 0.040	21800	5480	15200	3820	12.3	3.08	2.29	0.577	3560	896	25.0	6.28
	DC-05	238083738-Whole body	2025-08-10	VA25C6097-005	< 0.20	< 0.040	20800	4870	16900	3960	12.2	2.85	1.78	0.416	3610	845	19.1	4.47
	DC-05	238083739-Whole body	2025-08-10	VA25C6097-008	< 0.20	< 0.040	20700	5550	14500	3880	12.8	3.44	2.15	0.576	3310	885	22.4	6.00
	DC-05	238083740-Whole body	2025-08-10	VA25C6097-003	< 0.20	< 0.040	20500	5130	14500	3610	13.3	3.31	1.61	0.402	3150	787	22.4	5.59
	DC-05	238083741-Whole body	2025-08-10	VA25C6097-004	< 0.20	< 0.040	20700	5140	15600	3880	14.6	3.61	1.86	0.460	3960	982	23.5	5.82
	DC-15	238083726-Whole body	2025-08-06	VA25C6096-004	< 0.20	< 0.040	19400	4820	14900	3690	14.1	3.51	1.74	0.433	3390	841	21.6	5.35
	DC-15	238083727-Whole body	2025-08-06	VA25C6096-002	< 0.20	0.044	22000	5520	15000	3770	14.2	3.55	1.60	0.402	3640	912	24.5	6.15
	DC-15	238083728-Whole body	2025-08-06	VA25C6096-006	0.22	0.054	16900	4190	15500	3840	16.2	4.02	1.85	0.459	3210	797	12.8	3.17
	DC-15	238083729-Whole body	2025-08-06	VA25C6096-008	< 0.20	< 0.040	22900	5520	14700	3540	12.9	3.11	1.51	0.364	3390	817	30.5	7.34
	DC-15	238083730-Whole body	2025-08-06	VA25C6096-001	0.21	0.056	19200	5010	13500	3510	11.3	2.95	1.62	0.421	3430	892	21.7	5.64
	DC-15	238083731-Whole body	2025-08-06	VA25C6096-007	< 0.20	< 0.040	18300	4880	14300	3830	16.1	4.30	1.69	0.450	2770	739	16.6	4.42
	DC-15	238083732-Whole body	2025-08-06	VA25C6096-005	< 0.20	0.044	20400	5220	14300	3670	18.7	4.77	1.64	0.420	3190	815	21.9	5.59
Turtle Creek	DC-15	238083733-Whole body	2025-08-06	VA25C6096-003	0.30	0.071	21900	5190	15100	3590	11.8	2.80	2.06	0.489	3960	940	24.8	5.88
	TC-05	238083750-Whole body	2025-09-17	VA25C6091-002	0.33	0.076	26800	6210	16800	3900	17.2	4.00	2.49	0.578	3780	877	34.5	8.00
	TC-05	238083751-Whole body	2025-09-17	VA25C6091-003	< 0.20	< 0.040	17500	4770	14400	3930	19.7	5.38	1.87	0.511	3160	865	6.00	1.64
	TC-05	238083752-Whole body	2025-09-17	VA25C6091-001	< 0.20	< 0.040	31100	7710	14100	3510	13.3	3.31	3.65	0.905	4950	1230	33.1	8.21
	TC-10	238083299-Whole body	2025-09-09	VA25C6090-006	< 0.20	< 0.040	41500	11000	12500	3330	7.62	2.03	1.44	0.383	3590	955	50.5	13.4
	TC-10	238083300-Whole body	2025-09-09	VA25C6090-003	< 0.20	< 0.040	21100	5790	12100	3310	5.38	1.48	1.83	0.502	3070	842	22.2	6.08
	TC-10	238083301-Whole body	2025-09-09	VA25C6090-007	< 0.20	< 0.040	22900	5310	14800	3420	9.41	2.18	1.32	0.304	3690	854	26.1	6.03
	TC-10	238083302-Whole body	2025-09-09	VA25C6090-004	< 0.20	< 0.040	26000	7400	12600	3570	6.30	1.79	1.66	0.472	3060	870	39.3	11.2
	TC-10	238083303-Whole body	2025-09-09	VA25C6090-002	< 0.20	< 0.040	42200	9710	14800	3410	5.26	1.21	1.81	0.416	4390	1010	51.2	11.8
	TC-10	238083304-Whole body	2025-09-09	VA25C6090-001	< 0.20	< 0.040	36100	8800	14100	3450	6.08	1.48	2.05	0.499	3960	965	42.6	10.4
Creek 661	TC-10	238083305-Whole body	2025-09-09	VA25C6090-005	< 0.20	< 0.040	20700	5770	12600	3500	7.96	2.22	1.77	0.494	3030	846	19.7	5.48
	TC-10	238083306-Whole body	2025-09-09	VA25C6090-008	0.37	0.094	21300	5390	13500	3410	7.01	1.77	3.73	0.942	3420	863	25.1	6.34
	661-05	238087937-Whole body	2025-09-12	VA25C6102-007	< 0.20	< 0.040	20200	4730	16300	3830	9.70	2.27	2.47	0.580	3800	891	19.8	4.64
	661-05	238087938-Whole body	2025-09-12	VA25C6102-004	< 0.20	< 0.040	33500	7320	16600	3640	9.13	2.00	2.99	0.655	5090	1110	43.0	9.42
	661-05	238087939-Whole body	2025-09-12	VA25C6102-003	< 0.20	< 0.040	12500	3040	15200	3690	11.3	2.75	3.32	0.807	3030	738	7.46	1.82
	661-05	238087940-Whole body	2025-09-12	VA25C6102-005	< 0.20	< 0.040	19100	4750	15100	3740	12.3	3.07	3.02	0.751	3770	937	14.7	3.67
	661-05	238087941-Whole body	2025-09-12	VA25C6102-001	< 0.20	< 0.040	27300	6440	16600	3920	11.0	2.59	1.73	0.406	3870	912	34.2	8.07
	661-05	238087942-Whole body	2025-09-12	VA25C6102-006	< 0.20	< 0.040	28700	7580	15000	3950	12.0	3.17	3.00	0.793	3380	893	36.6	9.68
	661-05	238087943-Whole body	2025-09-12	VA25C6102-002	< 0.20	< 0.040	16500	4010	15800	3840	12.2	2.96	3.81	0.925	3270	794	11.4	2.78
	661-10	238087944-Whole body	2025-09-14	VA25C6101-001	< 0.20	< 0.040	15600	3890	14500	3610	24.0	5.99	0.891	0.222	3600	897	14.6	3.63
	661-10	238087945-Whole body	2025-09-14	VA25C6101-008	< 0.20	< 0.040	23400	6380	13100	3590	18.8	5.13	0.734	0.200	3140	858	30.6	8.35
	661-10	238087946-Whole body	2025-09-14	VA25C6101-003	< 0.20	0.044	20900	5360	14300	3690	18.4	4.73	0.911	0.234	3940	1010	23.1	5.94
	661-10	238087947-Whole body	2025-09-14	VA25C6101-002	< 0.20	< 0.040	20700	5670	13500	3710	19.7	5.41	0.888	0.243	3660	1000	24.8	6.80
	661-10	238087948-Whole body	2025-09-14	VA25C6101-007	< 0.20	< 0.040	25900	6910	14400	3860	27.1	7.24	0.952	0.254	3590	957	34.3	9.14
	661-10	238087949-Whole body	2025-09-14	VA25C6101-006	< 0.20	< 0.040	22200	5680	15100	3880	18.7	4.81	0.878	0.225	3570	915	26.5	6.79
	661-10	238087950-Whole body	2025-09-14	VA25C6101-005	< 0.20	< 0.040	27900	7360	14000	3680	20.0	5.27	0.967	0.255	3950	1040	38.0	10.0
	661-10	238087951-Whole body	2025-09-14	VA25C6101-004	< 0.20	< 0.040	23600	6540	13500	3740	16.8	4.66	0.725	0.201	3360	933	31.8	8.83
Creek 705	705-05	238087952-Whole body	2025-09-11	VA25C6099-001	< 0.20	< 0.040	26200	7030	14700	3960	25.6	6.88	0.500	0.134	3810	1020	34.3	9.20
	705-05	238087953-Whole body	2025-09-11	VA25C6099-004	< 0.20	< 0.040	17000	3850	17200	3890	25.7	5.84	0.584	0.132	4370	991	17.6	3.99
	705-05	238087954-Whole body	2025-09-11	VA25C6099-006	< 0.20	< 0.040	25600	6670	14500	3760	30.9	8.05	0.514	0.134	3670	954	36.9	9.61
	705-05	238087955-Whole body	2025-09-11	VA25C6099-005	< 0.20	< 0.040	26300	6900	15000	3950	24.0	6.31	0.612	0.161	3800	997	42.3	11.1
	705-05	238087956-Whole body	2025-09-11	VA25C6099-002	< 0.20	< 0.040	28000	6870	16300	3990	18.0	4.42	0.520	0.127	4540	1110	41.2	10.1
	705-05	238087957-Whole body	2025-09-11	VA25C6099-008	< 0.20	< 0.040	18300	4120	17400	3920	27.5	6.18	0.509	0.114	4000	899	20.4	4.58
	705-05	238087958-Whole body	2025-09-11	VA25C6099-007	< 0.20	< 0.040	18400	4500	16200	3960	29.1	7.12	0.598	0.147	4000	979	21.8	5.33
	705-05	238087959-Whole body	2025-09-11	VA25C6099-003	< 0.20	< 0.040	25500	6140	15100	3640	20.7	4.99	0.521	0.125	4260	1030	34.3	8.25
	705-10	238087960-Whole body	2025-09-10	VA25C6098-006	0.28	0.064	23400	5440	15800	3670	20.3	4.72	0.897	0.208	3770	875	29.5	6.85
	705-10	238087961-Whole body	2025-09-10	VA25C6098-007	0.27	0.068	22000	5560	14500	3650	15.8	4.00	0.689	0.174	4230	1070	29.6	7.48
	705-10	238087962-Whole body	2025-09-10	VA25C6098-004	< 0.20	< 0.040	20600	5300	13800	3560	21.8	5.61	0.637	0.164	3810	984	28.2	7.28
	705-10	238087963-Whole body	2025-09-10	VA25C6098-001	0.50	0.136	23000	6240	13800	3760	23.4	6.37	0.744	0.202	3670	996	29.4	7.97
	705-10	238087964-Whole body	2025-09-10	VA25C6098-003	< 0.20	< 0.040	26000	6300	15600	3780	22.3	5.42	0.868	0.211	4120	1000	35.7	8.65

APPENDIX A.3: FISH TISSUE QUALITY RESULTS, 2025

Watershed	Site	Sample	Date	Laboratory ID	Metals (<i>cont'd</i>)													
					Nickel		Phosphorus		Potassium		Rubidium		Selenium		Sodium		Strontium	
					mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww
Creek 705 (<i>cont'd</i>)	705-10	238087965-Whole body	2025-09-10	VA25C6098-005	< 0.20	< 0.040	24300	5950	15200	3710	20.1	4.92	0.902	0.221	3840	939	31.4	7.69
	705-10	238087966-Whole body	2025-09-10	VA25C6098-002	< 0.20	< 0.040	26200	6330	15400	3710	18.6	4.49	0.880	0.212	4160	1000	37.7	9.10
	705-10	238087967-Whole body	2025-09-10	VA25C6098-008	< 0.20	< 0.040	21200	4980	17300	4080	17.9	4.21	0.847	0.199	4400	1030	22.7	5.35
Fawnie Creek	FC-01	238083742-Whole body	2025-09-13	VA25C6092-003	< 0.20	< 0.040	17800	4500	14800	3760	19.4	4.91	1.70	0.431	3240	820	12.5	3.16
	FC-01	238083743-Whole body	2025-09-13	VA25C6092-007	0.26	0.064	20100	5040	14100	3540	19.9	5.00	1.61	0.403	3150	791	16.4	4.12
	FC-01	238083744-Whole body	2025-09-13	VA25C6092-008	0.40	0.101	21500	5430	14000	3540	18.5	4.69	1.45	0.367	3470	878	19.7	4.99
	FC-01	238083745-Whole body	2025-09-13	VA25C6092-004	< 0.20	< 0.040	17800	4740	13900	3710	17.2	4.60	1.39	0.371	3220	860	12.0	3.21
	FC-01	238083746-Whole body	2025-09-13	VA25C6092-002	< 0.20	< 0.040	13400	3780	12800	3610	16.7	4.72	1.67	0.473	2990	845	6.88	1.94
	FC-01	238083747-Whole body	2025-09-13	VA25C6092-006	< 0.20	0.040	17800	4860	12800	3490	16.5	4.50	1.39	0.379	3140	855	15.7	4.27
	FC-01	238083748-Whole body	2025-09-13	VA25C6092-005	< 0.20	< 0.040	18800	4810	14300	3660	26.2	6.70	1.88	0.481	3420	876	16.1	4.12
	FC-01	238083749-Whole body	2025-09-13	VA25C6092-001	< 0.20	< 0.040	20100	5460	14300	3890	19.0	5.15	1.76	0.478	3150	854	13.6	3.70
	KL-01	238082870-Carcass	2025-09-19	VA25C6085-007	< 0.20	< 0.040	17400	6440	6940	2570	3.13	1.16	0.484	0.180	2990	1110	15.9	5.88
Kuyakuz Lake	KL-01	238082871-Liver	2025-09-19	VA25C6084-007	< 0.20	< 0.040	18700	4050	20900	4520	21.2	4.60	1.07	0.232	4030	872	0.181	0.039
	KL-01	238082872-Muscle	2025-09-19	VA25C6083-007	< 0.20	< 0.040	11100	2870	20000	5170	8.22	2.12	0.232	0.060	1170	302	0.189	0.049
	KL-01	238082873-Carcass	2025-09-19	VA25C6085-002	< 0.20	< 0.040	12600	4120	9180	2990	4.59	1.50	0.585	0.191	3540	1150	7.38	2.40
	KL-01	238082874-Liver	2025-09-19	VA25C6084-002	< 0.20	< 0.040	20500	4620	22600	5100	26.3	5.94	1.19	0.270	3800	858	0.186	0.042
	KL-01	238082875-Muscle	2025-09-19	VA25C6083-002	< 0.20	< 0.040	12200	2920	20700	4930	9.53	2.27	0.300	0.072	1210	289	0.723	0.173
	KL-01	238082876-Carcass	2025-09-19	VA25C6085-008	< 0.20	< 0.040	18800	5330	8330	2370	3.36	0.956	0.492	0.140	3830	1090	15.3	4.34
	KL-01	238082877-Liver	2025-09-19	VA25C6084-008	< 0.20	< 0.040	19000	4550	19800	4730	18.0	4.29	0.949	0.227	4090	977	0.195	0.047
	KL-01	238082878-Muscle	2025-09-19	VA25C6083-008	< 0.20	< 0.040	12300	2600	23100	4890	8.70	1.84	0.306	0.065	1660	351	0.282	0.060
	KL-01	238082879-Carcass	2025-09-19	VA25C6085-004	< 0.20	< 0.040	10900	3260	10500	3150	4.58	1.37	0.447	0.133	3370	1010	3.37	1.01
	KL-01	238082880-Liver	2025-09-19	VA25C6084-004	< 0.20	< 0.040	20400	4680	22200	5110	22.6	5.21	1.19	0.273	3870	890	0.185	0.043
	KL-01	238082881-Muscle	2025-09-19	VA25C6083-004	< 0.20	< 0.040	13400	2900	21600	4680	9.00	1.95	0.220	0.048	1340	289	1.35	0.293
	KL-01	238082882-Carcass	2025-09-19	VA25C6085-001	< 0.20	0.053	12700	4030	9750	3080	4.22	1.34	0.498	0.158	3480	1100	7.83	2.48
	KL-01	238082883-Liver	2025-09-19	VA25C6084-001	< 0.20	< 0.040	19900	4320	21900	4750	19.5	4.24	1.22	0.265	4260	926	0.226	0.049
	KL-01	238082884-Muscle	2025-09-19	VA25C6083-001	< 0.20	< 0.040	11500	2850	20700	5140	8.55	2.12	0.226	0.056	1340	333	0.594	0.147
	KL-01	238082885-Carcass	2025-09-19	VA25C6085-003	< 0.20	< 0.040	13300	4400	8590	2850	4.39	1.45	0.572	0.189	3470	1150	7.39	2.45
	KL-01	238082886-Liver	2025-09-19	VA25C6084-003	< 0.20	< 0.040	18500	4240	20600	4710	23.4	5.36	1.25	0.286	3450	789	0.204	0.047
	KL-01	238082887-Muscle	2025-09-19	VA25C6083-003	< 0.20	< 0.040	13200	2930	22500	5000	11.0	2.43	0.325	0.072	1430	317	0.593	0.131
	KL-01	238082888-Carcass	2025-09-19	VA25C6085-005	< 0.20	< 0.040	15600	4980	9420	3020	3.81	1.22	0.569	0.182	3550	1140	10.8	3.45
	KL-01	238082889-Liver	2025-09-19	VA25C6084-005	< 0.20	< 0.040	< 10	< 2.0	< 20	< 4.0	< 0.050	< 0.010	< 0.050	< 0.010	< 20	< 4.0	< 0.050	< 0.010
	KL-01	238082890-Muscle	2025-09-19	VA25C6083-005	< 0.20	< 0.040	12800	2950	21100	4870	7.83	1.81	0.237	0.055	1290	298	1.27	0.292
	KL-01	238082891-Carcass	2025-09-19	VA25C6085-006	< 0.20	< 0.040	30500	9330	10800	3320	5.79	1.77	0.436	0.134	3690	1130	14.9	4.57
	KL-01	238082892-Liver	2025-09-19	VA25C6084-006	< 0.20	< 0.040	14000	3610	14600	3750	13.7	3.52	2.11	0.544	4490	1160	0.174	0.045
	KL-01	238082893-Muscle	2025-09-19	VA25C6083-006	< 0.20	< 0.040	12600	2980	21900	5190	10.0	2.38	0.344	0.082	1270	300	0.605	0.143
	KL-01	238083275-Carcass	2025-09-19	VA25C6088-004	< 0.20	< 0.040	24500	7210	10400	3080	4.36	1.29	0.540	0.159	3300	972	36.6	10.8
	KL-01	238083276-Liver	2025-09-19	VA25C6087-004	< 0.20	< 0.040	14200	3640	13100	3380	7.56	1.94	16.2	4.16	3670	944	0.28	0.072
	KL-01	238083277-Muscle	2025-09-19	VA25C6086-004	< 0.20	< 0.040	13800	3330	22200	5360	8.16	1.97	0.380	0.092	1030	250	2.33	0.565
	KL-01	238083278-Carcass	2025-09-19	VA25C6088-007	< 0.20	< 0.040	24700	6610	9300	2490	4.20	1.12	0.520	0.139	3980	1070	41.7	11.1
	KL-01	238083279-Liver	2025-09-19	VA25C6087-007	< 0.20	< 0.040	13700	3110	13200	2990	8.27	1.87	15.5	3.51	5880	1330	0.41	0.093
	KL-01	238083280-Muscle	2025-09-19	VA25C6086-007	< 0.20	< 0.040	12100	3110	19200	4930	7.44	1.91	0.276	0.071	1250	321	1.02	0.263
	KL-01	238083281-Carcass	2025-09-19	VA25C6088-001	< 0.20	0.048	25500	6600	12900	3340	5.56	1.44	0.654	0.169	4150	1070	35.4	9.14
	KL-01	238083282-Liver	2025-09-19	VA25C6087-001	< 0.20	< 0.040	14300	3640	13000	3310	7.40	1.89	10.7	2.74	5270	1340	0.29	0.073
	KL-01	238083283-Muscle	2025-09-19	VA25C6086-001	< 0.20	< 0.040	12500	3140	19400	4900	7.88	1.99	0.351	0.089	1100	277	0.768	0.194
	KL-01	238083284-Carcass	2025-09-19	VA25C6088-005	< 0.20	< 0.040	15900	4680	9460	2780	4.00	1.18	0.575	0.169	3450	1020	19.9	5.86
	KL-01	238083285-Liver	2025-09-19	VA25C6087-005	< 0.20	< 0.040	14700	3480	14100	3340	7.37	1.75	9.10	2.16	6000	1420	0.32	0.075
	KL-01	238083286-Muscle	2025-09-19	VA25C6086-005	< 0.20	< 0.040	12000	2900	20400	4920	7.55	1.82	0.343	0.083	1250	302	0.504	0.122
	KL-01	238083287-Carcass	2025-09-19	VA25C6088-006	< 0.20	< 0.040	42200	11000	10800	2810	4.92	1.28	0.514	0.134	4080	1060	68.5	17.8
	KL-01	238083288-Liver	2025-09-19	VA25C6087-006	< 0.20	< 0.040	13200	3130	12200	2900	7.34	1.74	23.5	5.57	5790	1370	0.36	0.086
	KL-01	238083289-Muscle	2025-09-19	VA25C6086-006	< 0.20	< 0.040	12000	2940	20500	5040	8.50	2.09	0.290	0.071	1080	265	0.409	0.101
	KL-01	238083290-Carcass	2025-09-19	VA25C6088-003	< 0.20	< 0.040	37700	10700	10400	2960	4.36	1.24	0.484	0.138	3640	1040	52.1	14.8
	KL-01	238083291-Liver	2025-09-19	VA25C6087-003	< 0.20	< 0.040	12300	3200	13500	3510	7.62	1.98	6.24	1.62	4070	1050	0.29	0.074
	KL-01	238083292-Muscle	2025-09-19	VA25C6086-003	< 0.20	< 0.040	12100	2910	19400	4660	7.40	1.78	0.341	0.082	1120	268	0.673	0.162
	KL-01	238083293-Carcass	2025-09-19	VA25C6088-002	< 0.20	< 0.040	10800	4380	7060	2850	2.06	0.832	0.261	0.105	2330	944	9.33	3.77
	KL-01	238083294-Liver	2025-09-19	VA25C6087-002	< 0.20	< 0.040	13700	3240	13200	3130	4.16	0.984	12.0	2.85	5560	1320	0.25	0.060

APPENDIX A.3: FISH TISSUE QUALITY RESULTS, 2025

Watershed	Site	Sample	Date	Laboratory ID	Metals (<i>cont'd</i>)													
					Nickel		Phosphorus		Potassium		Rubidium		Selenium		Sodium		Strontium	
					mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww
Kuyakuz Lake (<i>cont'd</i>)	KL-01	238083295-Muscle	2025-09-19	VA25C6086-002	< 0.20	< 0.040	10700	2840	18600	4920	4.97	1.32	0.240	0.063	965	256	0.175	0.046
	KL-01	238083296-Carcass	2025-09-19	VA25C6088-008	< 0.20	< 0.040	36700	9460	10500	2720	3.37	0.868	0.476	0.123	3990	1030	47.9	12.4
	KL-01	238083297-Liver	2025-09-19	VA25C6087-008	< 0.20	< 0.040	14600	3640	12100	3010	5.31	1.33	5.60	1.40	5460	1360	0.30	0.074
	KL-01	238083298-Muscle	2025-09-19	VA25C6086-008	< 0.20	< 0.040	12900	3040	21200	4980	6.06	1.42	0.345	0.081	1060	248	0.889	0.209
Tatelkuz Lake	TL-01	238081337-Carcass	2025-09-18	VA25C6078-007	0.20	0.052	21900	5610	12800	3280	4.65	1.19	0.772	0.198	3530	904	21.9	5.63
	TL-01	238081338-Liver	2025-09-18	VA25C6080-007	< 0.20	< 0.040	7100	1970	7080	1970	3.42	0.950	1.32	0.366	1540	427	0.11	0.031
	TL-01	238081339-Carcass	2025-09-18	VA25C6078-006	< 0.20	< 0.040	29300	6890	13200	3110	4.60	1.08	0.849	0.200	4680	1100	34.2	8.04
	TL-01	238081340-Liver	2025-09-18	VA25C6080-006	< 0.20	< 0.040	11700	3430	12500	3640	5.35	1.56	2.63	0.768	2910	851	0.19	0.054
	TL-01	238081341-Carcass	2025-09-18	VA25C6078-001	< 0.20	< 0.040	58600	15300	12900	3370	6.74	1.76	0.644	0.168	4940	1290	80.0	20.9
	TL-01	238081342-Liver	2025-09-18	VA25C6080-001	< 0.20	< 0.040	8500	2180	8010	2050	5.91	1.51	1.65	0.424	2100	537	< 0.10	0.023
	TL-01	238081343-Carcass	2025-09-18	VA25C6078-003	< 0.20	< 0.040	24800	6970	10100	2830	4.16	1.17	0.888	0.249	4270	1200	22.8	6.40
	TL-01	238081344-Liver	2025-09-18	VA25C6080-003	< 0.20	< 0.040	13700	2870	14600	3060	9.84	2.06	6.86	1.44	8540	1790	0.377	0.079
	TL-01	238081345-Carcass	2025-09-18	VA25C6078-005	< 0.20	< 0.040	38700	11000	11700	3330	5.25	1.50	0.621	0.177	4010	1140	47.9	13.7
	TL-01	238081346-Liver	2025-09-18	VA25C6080-005	< 0.20	< 0.040	13200	3430	13700	3570	7.29	1.90	2.43	0.634	4230	1100	0.342	0.089
	TL-01	238081347-Carcass	2025-09-18	VA25C6078-004	< 0.20	< 0.040	45700	11000	13700	3290	4.69	1.13	0.790	0.191	5420	1310	60.8	14.7
	TL-01	238081348-Liver	2025-09-18	VA25C6080-004	< 0.20	< 0.040	5490	1360	5310	1320	3.49	0.865	1.26	0.313	2070	513	0.16	0.039
	TL-01	238081349-Carcass	2025-09-18	VA25C6078-002	< 0.20	< 0.040	20700	6580	8960	2850	4.29	1.36	0.676	0.215	3790	1210	22.6	7.18
	TL-01	238081350-Liver	2025-09-18	VA25C6080-002	< 0.20	< 0.040	18300	3990	20000	4360	19.7	4.31	1.66	0.362	5100	1110	0.192	0.042
	TL-01	238081351-Carcass	2025-09-18	VA25C6081-008	< 0.20	< 0.040	20600	4960	12900	3110	7.86	1.90	1.16	0.279	4750	1150	25.7	6.21
	TL-01	238081352-Muscle	2025-09-19	VA25C6079-008	< 0.20	< 0.040	12600	2810	22500	5000	10.4	2.32	0.589	0.131	1390	308	0.468	0.104
	TL-01	238081353-Carcass	2025-09-18	VA25C6081-006	< 0.20	< 0.040	11300	3380	11400	3410	5.64	1.69	0.517	0.155	2920	875	7.84	2.34
	TL-01	238081354-Muscle	2025-09-19	VA25C6079-006	< 0.20	< 0.040	13000	3010	22100	5100	9.77	2.26	0.519	0.120	1150	266	0.416	0.096
	TL-01	238081355-Carcass	2025-09-18	VA25C6081-003	< 0.20	< 0.040	32500	6840	14100	2980	10.4	2.19	2.06	0.434	6120	1290	48.3	10.2
	TL-01	238081356-Muscle	2025-09-19	VA25C6079-003	< 0.20	< 0.040	14000	2850	25600	5210	16.6	3.38	2.06	0.420	1260	257	1.20	0.244
	TL-01	238081357-Carcass	2025-09-18	VA25C6081-007	< 0.20	< 0.040	21400	5810	12700	3460	6.62	1.80	0.680	0.185	3660	993	21.1	5.73
	TL-01	238081358-Muscle	2025-09-19	VA25C6079-007	< 0.20	< 0.040	13700	3040	23300	5150	12.4	2.74	0.744	0.165	1390	307	2.41	0.533
	TL-01	238081359-Carcass	2025-09-18	VA25C6081-001	< 0.20	< 0.040	29600	7470	11400	2880	5.24	1.33	0.775	0.196	6220	1570	45.0	11.4
	TL-01	238081360-Muscle	2025-09-19	VA25C6079-001	< 0.20	< 0.040	14000	2690	25100	4830	10.6	2.03	0.731	0.140	1970	378	1.40	0.268
	TL-01	238081361-Carcass	2025-09-18	VA25C6081-005	0.34	0.083	16800	4180	12600	3130	6.90	1.71	0.829	0.206	4000	995	17.2	4.26
	TL-01	238081362-Muscle	2025-09-19	VA25C6079-005	< 0.20	< 0.040	12200	2870	21500	5050	10.3	2.42	0.702	0.165	1340	315	0.239	0.056
	TL-01	238081363-Carcass	2025-09-18	VA25C6081-004	< 0.20	< 0.040	23200	5410	13200	3070	6.97	1.62	0.739	0.172	5990	1390	29.9	6.95
	TL-01	238081364-Muscle	2025-09-19	VA25C6079-004	< 0.20	< 0.040	13100	2530	23600	4560	10.9	2.10	0.670	0.129	2010	389	0.497	0.096
	TL-01	238081365-Carcass	2025-09-18	VA25C6081-002	< 0.20	< 0.040	30800	6660	13200	2840	5.53	1.19	0.964	0.208	6660	1440	38.0	8.21
	TL-01	238081366-Muscle	2025-09-19	VA25C6079-002	< 0.20	< 0.040	14300	2650	26800	4980	9.67	1.79	0.761	0.141	2010	374	0.437	0.081
	TL-01	238081367-Carcass	2025-09-20	VA25C6078-008	< 0.20	< 0.040	33700	8700	12000	3110	4.62	1.19	0.973	0.251	4760	1230	39.7	10.3
	TL-01	238081368-Liver	2025-09-20	VA25C6080-008	< 0.20	< 0.040	20800	5360	21200	5470	16.0	4.15	2.42	0.626	3040	785	0.155	0.040
	TL-01	238082894-Liver	2025-09-18	VA25C6082-008	< 0.20	< 0.040	13500	3830	11300	3220	7.13	2.02	8.82	2.51	3670	1040	0.38	0.108
	TL-01	238082895-Liver	2025-09-18	VA25C6082-006	< 0.20	< 0.040	14400	4230	11000	3220	6.72	1.97	12.6	3.69	4870	1430	0.39	0.114
	TL-01	238082896-Liver	2025-09-18	VA25C6082-003	< 0.20	< 0.040	10200	2830	9180	2550	5.48	1.52	8.56	2.38	3330	924	0.47	0.131
	TL-01	238082897-Liver	2025-09-18	VA25C6082-007	< 0.20	< 0.040	14200	4230	11400	3390	5.80	1.73	6.27	1.87	4240	1270	0.19	0.057
	TL-01	238082898-Liver	2025-09-18	VA25C6082-001	< 0.20	< 0.040	10600	2960	9460	2630	5.41	1.51	49.2	13.7	3660	1020	0.48	0.133
	TL-01	238082899-Liver	2025-09-18	VA25C6082-005	< 0.20	< 0.040	8550	2440	8000	2280	5.62	1.60	12.5	3.58	3070	876	0.31	0.089
	TL-01	238082900-Liver	2025-09-18	VA25C6082-004	< 0.20	< 0.040	15800	4520	11300	3240	8.61	2.46	196	56.0	4760	1360	0.47	0.133
	TL-01	238082901-Liver	2025-09-18	VA25C6082-002	0.47	0.136	10600	3060	9400	2720	5.44	1.57	32.8	9.49	3660	1060	0.41	0.118
	TL-01	238088326-Muscle	2025-09-18	VA25C6103-007	< 0.20	< 0.040	12200	2750	22500	5090	7.70	1.74	0.506	0.114	1270	286	0.363	0.082
	TL-01	238088327-Muscle	2025-09-18	VA25C6103-006	< 0.20	< 0.040	12100	2510	23300	4830	7.24	1.50	0.594	0.123	1320	272	0.389	0.080
	TL-01	238088328-Muscle	2025-09-18	VA25C6103-001	< 0.20	< 0.040	12900	2620	22800	4620	11.4	2.31	0.565	0.115	1240	252	1.07	0.217
	TL-01	238088329-Muscle	2025-09-18	VA25C6103-003	< 0.20	< 0.040	11100	2420	20900	4560	7.58	1.65	0.692	0.151	1200	263	0.129	0.028
	TL-01	238088330-Muscle	2025-09-18	VA25C6103-005	< 0.20	< 0.040	11400	2590	21600	4900	8.79	1.99	0.541	0.123	1080	245	0.213	0.048
	TL-01	238088331-Muscle	2025-09-18	VA25C6103-004	< 0.20	< 0.040	12300	2640	23000	4960	7.45	1.60	0.605	0.130	1390	300	0.501	0.108
	TL-01	238088332-Muscle	2025-09-18	VA25C6103-002	< 0.20	< 0.040	12200	2700	22000	4880	9.47	2.10	0.470	0.104	1250	278	1.13	0.251
	TL-01	238088333-Muscle	2025-09-20	VA25C6103-008	< 0.20	< 0.040	12500	2550	22600	4610	7.91	1.61	0.625	0.128	1390	283	1.23	0.252

Notes:

'<' indicates value was below the detection limit.

DC-9 is the a site ID used for sampling completed for the DS 3.14 follow-up monitoring program and is the same location as DC-05.

DC-5 is the a site ID used for sampling completed for the DS 3.14 follow-up monitoring program and is the same location as DC-15.

APPENDIX A.3: FISH TISSUE QUALITY RESULTS, 2025

Watershed	Site	Sample	Date	Laboratory ID	Metals (<i>cont'd</i>)													
					Tellurium		Thallium		Tin		Uranium		Vanadium		Zinc		Zirconium	
					mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww
Davidson Creek	DC-05	238083734-Whole body	2025-08-10	VA25C6097-007	< 0.020	< 0.0040	0.0279	0.00671	< 0.10	< 0.020	0.0136	0.00327	0.15	0.035	89.4	21.5	< 0.20	< 0.040
	DC-05	238083735-Whole body	2025-08-10	VA25C6097-006	< 0.020	< 0.0040	0.0190	0.00492	< 0.10	< 0.020	0.0338	0.00875	0.47	0.122	84.4	21.8	0.25	0.064
	DC-05	238083736-Whole body	2025-08-10	VA25C6097-001	< 0.020	< 0.0040	0.0253	0.00580	< 0.10	< 0.020	0.0222	0.00507	0.20	0.046	116	26.6	< 0.20	< 0.040
	DC-05	238083737-Whole body	2025-08-10	VA25C6097-002	< 0.020	< 0.0040	0.0233	0.00587	< 0.10	< 0.020	0.0197	0.00496	0.22	0.056	90.2	22.7	< 0.20	< 0.040
	DC-05	238083738-Whole body	2025-08-10	VA25C6097-005	< 0.020	< 0.0040	0.0160	0.00375	< 0.10	< 0.020	0.0126	0.00294	0.11	0.025	96.3	22.6	< 0.20	< 0.040
	DC-05	238083739-Whole body	2025-08-10	VA25C6097-008	< 0.020	< 0.0040	0.0255	0.00683	< 0.10	< 0.020	0.0196	0.00526	0.20	0.052	79.7	21.3	< 0.20	< 0.040
	DC-05	238083740-Whole body	2025-08-10	VA25C6097-003	< 0.020	< 0.0040	0.0276	0.00688	< 0.10	< 0.020	0.0176	0.00440	0.18	0.044	94.1	23.5	< 0.20	< 0.040
	DC-05	238083741-Whole body	2025-08-10	VA25C6097-004	< 0.020	< 0.0040	0.0275	0.00681	< 0.10	< 0.020	0.0188	0.00465	0.21	0.051	109	27.0	< 0.20	< 0.040
	DC-15	238083726-Whole body	2025-08-06	VA25C6096-004	< 0.020	< 0.0040	0.0224	0.00555	< 0.10	< 0.020	0.0168	0.00416	0.16	0.039	106	26.4	< 0.20	< 0.040
	DC-15	238083727-Whole body	2025-08-06	VA25C6096-002	< 0.020	< 0.0040	0.0244	0.00613	< 0.10	< 0.020	0.0206	0.00515	0.18	0.046	107	26.8	< 0.20	< 0.040
	DC-15	238083728-Whole body	2025-08-06	VA25C6096-006	< 0.020	< 0.0040	0.0234	0.00581	< 0.10	< 0.020	0.0241	0.00599	0.30	0.074	94.3	23.4	< 0.20	< 0.040
	DC-15	238083729-Whole body	2025-08-06	VA25C6096-008	< 0.020	< 0.0040	0.0196	0.00472	< 0.10	< 0.020	0.0146	0.00352	0.13	0.031	108	26.1	< 0.20	< 0.040
	DC-15	238083730-Whole body	2025-08-06	VA25C6096-001	< 0.020	< 0.0040	0.0198	0.00517	< 0.10	< 0.020	0.0207	0.00538	0.22	0.058	107	28.0	< 0.20	< 0.040
	DC-15	238083731-Whole body	2025-08-06	VA25C6096-007	< 0.020	< 0.0040	0.0238	0.00634	< 0.10	< 0.020	0.0058	0.00156	< 0.10	< 0.020	77.8	20.8	< 0.20	< 0.040
	DC-15	238083732-Whole body	2025-08-06	VA25C6096-005	< 0.020	< 0.0040	0.0289	0.00739	< 0.10	< 0.020	0.0168	0.00429	0.15	0.037	96.0	24.5	< 0.20	< 0.040
DC-15	238083733-Whole body	2025-08-06	VA25C6096-003	< 0.020	< 0.0040	0.0276	0.00655	< 0.10	< 0.020	0.0295	0.00699	0.39	0.093	117	27.6	< 0.20	< 0.040	
Turtle Creek	TC-05	238083750-Whole body	2025-09-17	VA25C6091-002	< 0.020	< 0.0040	0.0186	0.00432	< 0.10	< 0.020	0.0033	0.00077	< 0.10	0.022	74.9	17.4	< 0.20	< 0.040
	TC-05	238083751-Whole body	2025-09-17	VA25C6091-003	< 0.020	< 0.0040	0.0178	0.00487	< 0.10	< 0.020	0.0025	0.00070	< 0.10	< 0.020	67.2	18.4	< 0.20	< 0.040
	TC-05	238083752-Whole body	2025-09-17	VA25C6091-001	< 0.020	< 0.0040	0.0476	0.0118	< 0.10	< 0.020	0.0075	0.00186	< 0.10	< 0.020	254	63.1	< 0.20	< 0.040
	TC-10	238083299-Whole body	2025-09-09	VA25C6090-006	< 0.020	< 0.0040	0.0102	0.00272	< 0.10	< 0.020	0.0054	0.00142	0.12	0.031	114	30.4	< 0.20	< 0.040
	TC-10	238083300-Whole body	2025-09-09	VA25C6090-003	< 0.020	< 0.0040	0.0068	0.00187	< 0.10	< 0.020	0.0025	0.00069	< 0.10	< 0.020	86.2	23.7	< 0.20	< 0.040
	TC-10	238083301-Whole body	2025-09-09	VA25C6090-007	< 0.020	< 0.0040	0.0097	0.00224	< 0.10	< 0.020	0.0066	0.00153	0.11	0.026	103	23.9	< 0.20	< 0.040
	TC-10	238083302-Whole body	2025-09-09	VA25C6090-004	< 0.020	< 0.0040	0.0102	0.00291	< 0.10	< 0.020	0.0060	0.00171	< 0.10	< 0.020	206	58.5	< 0.20	< 0.040
	TC-10	238083303-Whole body	2025-09-09	VA25C6090-002	< 0.020	< 0.0040	0.0109	0.00250	< 0.10	< 0.020	0.0064	0.00146	0.16	0.036	156	35.9	< 0.20	< 0.040
	TC-10	238083304-Whole body	2025-09-09	VA25C6090-001	< 0.020	< 0.0040	0.0110	0.00267	< 0.10	< 0.020	0.0150	0.00366	0.20	0.049	167	40.7	< 0.20	< 0.040
	TC-10	238083305-Whole body	2025-09-09	VA25C6090-005	< 0.020	< 0.0040	0.0085	0.00238	< 0.10	< 0.020	0.0031	0.00087	< 0.10	< 0.020	94.7	26.4	< 0.20	< 0.040
TC-10	238083306-Whole body	2025-09-09	VA25C6090-008	< 0.020	< 0.0040	0.0161	0.00408	< 0.10	< 0.020	0.0590	0.0149	1.35	0.341	150	37.8	0.33	0.083	
Creek 661	661-05	238087937-Whole body	2025-09-12	VA25C6102-007	< 0.020	< 0.0040	0.0130	0.00304	< 0.10	< 0.020	0.0110	0.00258	0.15	0.034	97.6	22.9	< 0.20	< 0.040
	661-05	238087938-Whole body	2025-09-12	VA25C6102-004	< 0.020	< 0.0040	0.0167	0.00366	< 0.10	< 0.020	0.0243	0.00533	0.29	0.064	113	24.8	< 0.20	< 0.040
	661-05	238087939-Whole body	2025-09-12	VA25C6102-003	< 0.020	< 0.0040	0.0154	0.00375	< 0.10	< 0.020	0.0041	0.00101	< 0.10	< 0.020	62.7	15.3	< 0.20	< 0.040
	661-05	238087940-Whole body	2025-09-12	VA25C6102-005	< 0.020	< 0.0040	0.0149	0.00371	< 0.10	< 0.020	0.0090	0.00223	< 0.10	0.022	93.7	23.3	< 0.20	< 0.040
	661-05	238087941-Whole body	2025-09-12	VA25C6102-001	< 0.020	< 0.0040	0.0274	0.00644	< 0.10	< 0.020	0.0259	0.00610	0.19	0.044	139	32.7	< 0.20	< 0.040
	661-05	238087942-Whole body	2025-09-12	VA25C6102-006	< 0.020	< 0.0040	0.0176	0.00465	< 0.10	< 0.020	0.0143	0.00377	0.18	0.046	88.9	23.5	< 0.20	< 0.040
	661-05	238087943-Whole body	2025-09-12	VA25C6102-002	< 0.020	< 0.0040	0.0162	0.00393	< 0.10	< 0.020	0.0076	0.00185	< 0.10	0.021	68.8	16.7	< 0.20	< 0.040
	661-10	238087944-Whole body	2025-09-14	VA25C6101-001	< 0.020	< 0.0040	0.0197	0.00491	< 0.10	< 0.020	0.0057	0.00143	< 0.10	0.023	93.2	23.2	< 0.20	< 0.040
	661-10	238087945-Whole body	2025-09-14	VA25C6101-008	< 0.020	< 0.0040	0.0187	0.00509	< 0.10	< 0.020	0.0085	0.00231	0.10	0.028	83.2	22.7	< 0.20	< 0.040

APPENDIX A.3: FISH TISSUE QUALITY RESULTS, 2025

Watershed	Site	Sample	Date	Laboratory ID	Metals (<i>cont'd</i>)													
					Tellurium		Thallium		Tin		Uranium		Vanadium		Zinc		Zirconium	
					mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww
Creek 705 (<i>cont'd</i>)	705-10	238087965-Whole body	2025-09-10	VA25C6098-005	< 0.020	< 0.0040	0.0112	0.00274	< 0.10	< 0.020	0.0079	0.00193	< 0.10	< 0.020	93.3	22.8	< 0.20	< 0.040
	705-10	238087966-Whole body	2025-09-10	VA25C6098-002	< 0.020	< 0.0040	0.0125	0.00302	< 0.10	< 0.020	0.0143	0.00346	< 0.10	< 0.020	103	24.9	< 0.20	< 0.040
	705-10	238087967-Whole body	2025-09-10	VA25C6098-008	< 0.020	< 0.0040	0.0147	0.00345	< 0.10	< 0.020	0.0111	0.00261	< 0.10	< 0.020	116	27.3	< 0.20	< 0.040
Fawnie Creek	FC-01	238083742-Whole body	2025-09-13	VA25C6092-003	< 0.020	< 0.0040	0.0213	0.00539	< 0.10	< 0.020	0.0024	0.00060	< 0.10	< 0.020	69.6	17.6	< 0.20	< 0.040
	FC-01	238083743-Whole body	2025-09-13	VA25C6092-007	< 0.020	< 0.0040	0.0224	0.00561	< 0.10	< 0.020	0.0104	0.00261	1.06	0.265	84.7	21.3	< 0.20	< 0.040
	FC-01	238083744-Whole body	2025-09-13	VA25C6092-008	< 0.020	< 0.0040	0.0244	0.00618	< 0.10	< 0.020	0.0165	0.00418	1.64	0.415	84.7	21.4	< 0.20	< 0.040
	FC-01	238083745-Whole body	2025-09-13	VA25C6092-004	< 0.020	< 0.0040	0.0191	0.00509	< 0.10	< 0.020	0.0030	0.00079	0.16	0.043	83.0	22.1	< 0.20	< 0.040
	FC-01	238083746-Whole body	2025-09-13	VA25C6092-002	< 0.020	< 0.0040	0.0163	0.00461	< 0.10	< 0.020	< 0.0020	0.00052	< 0.10	< 0.020	61.6	17.4	< 0.20	< 0.040
	FC-01	238083747-Whole body	2025-09-13	VA25C6092-006	< 0.020	< 0.0040	0.0182	0.00494	< 0.10	< 0.020	0.0050	0.00137	0.30	0.082	71.8	19.5	< 0.20	< 0.040
	FC-01	238083748-Whole body	2025-09-13	VA25C6092-005	< 0.020	< 0.0040	0.0335	0.00857	< 0.10	< 0.020	0.0059	0.00151	0.26	0.068	79.9	20.4	< 0.20	< 0.040
	FC-01	238083749-Whole body	2025-09-13	VA25C6092-001	< 0.020	< 0.0040	0.0217	0.00590	< 0.10	< 0.020	0.0022	0.00060	< 0.10	< 0.020	74.2	20.2	< 0.20	< 0.040
Kuyakuz Lake	KL-01	238082870-Carcass	2025-09-19	VA25C6085-007	< 0.020	< 0.0040	< 0.0020	< 0.00040	< 0.10	< 0.020	< 0.0020	0.00052	< 0.10	< 0.020	97.5	36.2	< 0.20	< 0.040
	KL-01	238082871-Liver	2025-09-19	VA25C6084-007	< 0.020	< 0.0040	0.0029	0.00064	< 0.10	< 0.020	< 0.0020	< 0.00040	< 0.10	< 0.020	72.8	15.7	< 0.20	< 0.040
	KL-01	238082872-Muscle	2025-09-19	VA25C6083-007	< 0.020	< 0.0040	< 0.0020	< 0.00040	< 0.10	< 0.020	< 0.0020	< 0.00040	< 0.10	< 0.020	19.3	4.98	< 0.20	< 0.040
	KL-01	238082873-Carcass	2025-09-19	VA25C6085-002	< 0.020	< 0.0040	< 0.0020	< 0.00040	< 0.10	< 0.020	0.0027	0.00087	< 0.10	< 0.020	83.9	27.3	< 0.20	< 0.040
	KL-01	238082874-Liver	2025-09-19	VA25C6084-002	< 0.020	< 0.0040	0.0050	0.00112	< 0.10	< 0.020	< 0.0020	< 0.00040	< 0.10	< 0.020	76.5	17.3	< 0.20	< 0.040
	KL-01	238082875-Muscle	2025-09-19	VA25C6083-002	< 0.020	< 0.0040	< 0.0020	0.00042	< 0.10	< 0.020	< 0.0020	< 0.00040	< 0.10	< 0.020	22.0	5.24	< 0.20	< 0.040
	KL-01	238082876-Carcass	2025-09-19	VA25C6085-008	< 0.020	< 0.0040	< 0.0020	0.00055	< 0.10	< 0.020	0.0029	0.00081	< 0.10	< 0.020	116	33.1	< 0.20	< 0.040
	KL-01	238082877-Liver	2025-09-19	VA25C6084-008	< 0.020	< 0.0040	0.0130	0.00311	< 0.10	< 0.020	< 0.0020	< 0.00040	< 0.10	< 0.020	72.0	17.2	< 0.20	< 0.040
	KL-01	238082878-Muscle	2025-09-19	VA25C6083-008	< 0.020	< 0.0040	0.0044	0.00093	< 0.10	< 0.020	< 0.0020	< 0.00040	< 0.10	< 0.020	17.2	3.65	< 0.20	< 0.040
	KL-01	238082879-Carcass	2025-09-19	VA25C6085-004	< 0.020	< 0.0040	< 0.0020	0.00058	< 0.10	< 0.020	0.0020	0.00061	< 0.10	< 0.020	89.5	26.7	< 0.20	< 0.040
	KL-01	238082880-Liver	2025-09-19	VA25C6084-004	< 0.020	< 0.0040	0.0076	0.00174	< 0.10	< 0.020	< 0.0020	< 0.00040	< 0.10	< 0.020	74.6	17.2	< 0.20	< 0.040
	KL-01	238082881-Muscle	2025-09-19	VA25C6083-004	< 0.020	< 0.0040	0.0036	0.00077	< 0.10	< 0.020	< 0.0020	< 0.00040	< 0.10	< 0.020	17.7	3.83	< 0.20	< 0.040
	KL-01	238082882-Carcass	2025-09-19	VA25C6085-001	< 0.020	< 0.0040	< 0.0020	< 0.00040	< 0.10	< 0.020	< 0.0020	0.00053	< 0.10	< 0.020	80.4	25.5	< 0.20	< 0.040
	KL-01	238082883-Liver	2025-09-19	VA25C6084-001	< 0.020	< 0.0040	0.0028	0.00061	< 0.10	< 0.020	< 0.0020	< 0.00040	< 0.10	< 0.020	81.3	17.7	< 0.20	< 0.040
	KL-01	238082884-Muscle	2025-09-19	VA25C6083-001	< 0.020	< 0.0040	< 0.0020	< 0.00040	< 0.10	< 0.020	< 0.0020	< 0.00040	< 0.10	< 0.020	18.9	4.69	< 0.20	< 0.040
	KL-01	238082885-Carcass	2025-09-19	VA25C6085-003	< 0.020	< 0.0040	< 0.0020	< 0.00040	< 0.10	< 0.020	< 0.0020	< 0.00040	< 0.10	< 0.020	99.2	32.8	< 0.20	< 0.040
	KL-01	238082886-Liver	2025-09-19	VA25C6084-003	< 0.020	< 0.0040	0.0064	0.00147	< 0.10	< 0.020	< 0.0020	< 0.00040	< 0.10	< 0.020	68.1	15.6	< 0.20	< 0.040
	KL-01	238082887-Muscle	2025-09-19	VA25C6083-003	< 0.020	< 0.0040	< 0.0020	0.00041	< 0.10	< 0.020	< 0.0020	< 0.00040	< 0.10	< 0.020	19.2	4.25	< 0.20	< 0.040
	KL-01	238082888-Carcass	2025-09-19	VA25C6085-005	< 0.020	< 0.0040	< 0.0020	< 0.00040	< 0.10	< 0.020	< 0.0020	< 0.00040	< 0.10	< 0.020	99.8	32.0	< 0.20	< 0.040
	KL-01	238082889-Liver	2025-09-19	VA25C6084-005	< 0.020	< 0.0040	< 0.0020	< 0.00040	< 0.10	< 0.020	< 0.0020	< 0.00040	< 0.10	< 0.020	< 0.50	< 0.10	< 0.20	< 0.040
	KL-01	238082890-Muscle	2025-09-19	VA25C6083-005	< 0.020	< 0.0040	< 0.0020	< 0.00040	< 0.10	< 0.020	< 0.0020	< 0.00040	< 0.10	< 0.020	19.2	4.43	< 0.20	< 0.040
	KL-01	238082891-Carcass	2025-09-19	VA25C6085-006	< 0.020	< 0.0040	0.0025	0.00077	< 0.10	< 0.020	0.0026	0.00079	< 0.10	< 0.020	80.4	24.6	< 0.20	< 0.040
	KL-01	238082892-Liver	2025-09-19	VA25C6084-006	< 0.020	< 0.0040	0.0047	0.00120	< 0.10	< 0.020	0.0021	0.00053	< 0.10	< 0.020	78.5	20.2	< 0.20	< 0.040
	KL-01	238082893-Muscle	2025-09-19	VA25C6083-006	< 0.020	< 0.0040	0.0024	0.00057										

APPENDIX A.3: FISH TISSUE QUALITY RESULTS, 2025

Watershed	Site	Sample	Date	Laboratory ID	Metals (<i>cont'd</i>)													
					Tellurium		Thallium		Tin		Uranium		Vanadium		Zinc		Zirconium	
					mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww	mg/kg	mg/kg ww
Kuyakuz Lake (<i>cont'd</i>)	KL-01	238083295-Muscle	2025-09-19	VA25C6086-002	< 0.020	< 0.0040	< 0.0020	< 0.00040	< 0.10	< 0.020	< 0.0020	< 0.00040	< 0.10	< 0.020	12.4	3.28	< 0.20	< 0.040
	KL-01	238083296-Carcass	2025-09-19	VA25C6088-008	< 0.020	< 0.0040	0.0025	0.00064	< 0.10	< 0.020	< 0.0020	< 0.00040	< 0.10	< 0.020	184	47.4	< 0.20	< 0.040
	KL-01	238083297-Liver	2025-09-19	VA25C6087-008	< 0.020	< 0.0040	0.0210	0.00524	< 0.10	< 0.020	< 0.0020	< 0.00040	< 0.10	< 0.020	90.3	22.5	< 0.20	< 0.040
	KL-01	238083298-Muscle	2025-09-19	VA25C6086-008	< 0.020	< 0.0040	0.0023	0.00053	< 0.10	< 0.020	< 0.0020	< 0.00040	< 0.10	< 0.020	19.0	4.46	< 0.20	< 0.040
Tatelkuz Lake	TL-01	238081337-Carcass	2025-09-18	VA25C6078-007	< 0.020	< 0.0040	0.0059	0.00151	< 0.10	< 0.020	0.0088	0.00226	0.16	0.040	124	31.8	< 0.20	< 0.040
	TL-01	238081338-Liver	2025-09-18	VA25C6080-007	< 0.020	< 0.0040	0.0104	0.00289	< 0.10	< 0.020	< 0.0020	0.00051	< 0.10	< 0.020	47.7	13.3	< 0.20	< 0.040
	TL-01	238081339-Carcass	2025-09-18	VA25C6078-006	< 0.020	< 0.0040	0.0052	0.00123	< 0.10	< 0.020	0.0077	0.00182	0.17	0.040	104	24.4	< 0.20	< 0.040
	TL-01	238081340-Liver	2025-09-18	VA25C6080-006	< 0.020	< 0.0040	0.0113	0.00330	< 0.10	< 0.020	< 0.0020	< 0.00040	< 0.10	< 0.020	86.3	25.2	< 0.20	< 0.040
	TL-01	238081341-Carcass	2025-09-18	VA25C6078-001	< 0.020	< 0.0040	0.0064	0.00167	< 0.10	< 0.020	0.0104	0.00272	0.27	0.071	86.9	22.7	< 0.20	< 0.040
	TL-01	238081342-Liver	2025-09-18	VA25C6080-001	< 0.020	< 0.0040	0.0089	0.00229	< 0.10	< 0.020	< 0.0020	0.00041	< 0.10	< 0.020	47.7	12.2	< 0.20	< 0.040
	TL-01	238081343-Carcass	2025-09-18	VA25C6078-003	< 0.020	< 0.0040	0.0047	0.00131	< 0.10	< 0.020	0.0052	0.00145	0.26	0.073	77.1	21.7	< 0.20	< 0.040
	TL-01	238081344-Liver	2025-09-18	VA25C6080-003	< 0.020	< 0.0040	0.0116	0.00244	< 0.10	< 0.020	0.0056	0.00117	0.27	0.056	81.8	17.2	< 0.20	< 0.040
	TL-01	238081345-Carcass	2025-09-18	VA25C6078-005	< 0.020	< 0.0040	0.0039	0.00112	< 0.10	< 0.020	0.0124	0.00355	0.36	0.101	89.2	25.4	< 0.20	< 0.040
	TL-01	238081346-Liver	2025-09-18	VA25C6080-005	< 0.020	< 0.0040	0.0064	0.00168	< 0.10	< 0.020	0.0030	0.00077	< 0.10	0.025	87.9	22.9	< 0.20	< 0.040
	TL-01	238081347-Carcass	2025-09-18	VA25C6078-004	< 0.020	< 0.0040	0.0042	0.00102	< 0.10	< 0.020	0.0260	0.00628	0.43	0.104	122	29.4	< 0.20	< 0.040
	TL-01	238081348-Liver	2025-09-18	VA25C6080-004	< 0.020	< 0.0040	0.0055	0.00138	< 0.10	< 0.020	0.0039	0.00096	< 0.10	< 0.020	33.2	8.24	< 0.20	< 0.040
	TL-01	238081349-Carcass	2025-09-18	VA25C6078-002	< 0.020	< 0.0040	0.0025	0.00081	< 0.10	< 0.020	0.0103	0.00328	< 0.10	0.031	84.4	26.8	< 0.20	< 0.040
	TL-01	238081350-Liver	2025-09-18	VA25C6080-002	< 0.020	< 0.0040	0.0106	0.00232	< 0.10	< 0.020	0.0033	0.00071	< 0.10	< 0.020	79.4	17.3	< 0.20	< 0.040
	TL-01	238081351-Carcass	2025-09-18	VA25C6081-008	< 0.020	< 0.0040	0.0031	0.00075	< 0.10	< 0.020	0.0030	0.00072	< 0.10	< 0.020	217	52.4	< 0.20	< 0.040
	TL-01	238081352-Muscle	2025-09-19	VA25C6079-008	< 0.020	< 0.0040	0.0030	0.00066	< 0.10	< 0.020	< 0.0020	< 0.00040	< 0.10	< 0.020	20.3	4.51	< 0.20	< 0.040
	TL-01	238081353-Carcass	2025-09-18	VA25C6081-006	< 0.020	< 0.0040	< 0.0020	0.00052	< 0.10	< 0.020	< 0.0020	< 0.00040	< 0.10	< 0.020	61.7	18.4	< 0.20	< 0.040
	TL-01	238081354-Muscle	2025-09-19	VA25C6079-006	< 0.020	< 0.0040	0.0038	0.00087	< 0.10	< 0.020	< 0.0020	< 0.00040	< 0.10	< 0.020	21.1	4.87	< 0.20	< 0.040
	TL-01	238081355-Carcass	2025-09-18	VA25C6081-003	< 0.020	< 0.0040	0.0079	0.00167	< 0.10	< 0.020	0.0091	0.00191	0.13	0.028	333	70.1	< 0.20	< 0.040
	TL-01	238081356-Muscle	2025-09-19	VA25C6079-003	< 0.020	< 0.0040	0.0104	0.00212	< 0.10	< 0.020	< 0.0020	< 0.00040	< 0.10	< 0.020	23.2	4.73	< 0.20	< 0.040
	TL-01	238081357-Carcass	2025-09-18	VA25C6081-007	< 0.020	< 0.0040	0.0024	0.00064	< 0.10	< 0.020	0.0031	0.00084	< 0.10	< 0.020	101	27.5	< 0.20	< 0.040
	TL-01	238081358-Muscle	2025-09-19	VA25C6079-007	< 0.020	< 0.0040	0.0043	0.00094	< 0.10	< 0.020	< 0.0020	< 0.00040	< 0.10	< 0.020	19.8	4.37	< 0.20	< 0.040
	TL-01	238081359-Carcass	2025-09-18	VA25C6081-001	< 0.020	< 0.0040	0.0045	0.00113	< 0.10	< 0.020	0.0124	0.00314	0.10	0.026	542	137	< 0.20	< 0.040
	TL-01	238081360-Muscle	2025-09-19	VA25C6079-001	< 0.020	< 0.0040	0.0059	0.00114	< 0.10	< 0.020	< 0.0020	< 0.00040	< 0.10	< 0.020	43.5	8.36	< 0.20	< 0.040
	TL-01	238081361-Carcass	2025-09-18	VA25C6081-005	< 0.020	< 0.0040	0.0031	0.00076	< 0.10	< 0.020	0.0045	0.00112	< 0.10	< 0.020	231	57.4	< 0.20	< 0.040
	TL-01	238081362-Muscle	2025-09-19	VA25C6079-005	< 0.020	< 0.0040	0.0040	0.00094	< 0.10	< 0.020	< 0.0020	< 0.00040	< 0.10	< 0.020	19.0	4.46	< 0.20	< 0.040
	TL-01	238081363-Carcass	2025-09-18	VA25C6081-004	< 0.020	< 0.0040	0.0028	0.00066	< 0.10	< 0.020	< 0.0020	0.00044	< 0.10	< 0.020	354	82.3	< 0.20	< 0.040
	TL-01	238081364-Muscle	2025-09-19	VA25C6079-004	< 0.020	< 0.0040	0.0036	0.00069	< 0.10	< 0.020	< 0.0020	< 0.00040	< 0.10	< 0.020	30.1	5.81	< 0.20	< 0.040
	TL-01	238081365-Carcass	2025-09-18	VA25C6081-002	< 0.020	< 0.0040	0.0033	0.00071	< 0.10	< 0.020	0.0033	0.00071	< 0.10	0.020	322	69.5	< 0.20	< 0.040
	TL-01	238081366-Muscle	2025-09-19	VA25C6079-002	< 0.020	< 0.0040	0.0038	0.00071	< 0.10	< 0.020	< 0.0020	< 0.00040	< 0.10	< 0.020	37.3	6.92	< 0.20	< 0.040
	TL-01	238081367-Carcass	2025-09-20	VA25C6078-008	< 0.020	< 0.0040	0.0040	0.00103	< 0.10	< 0.020	0.0157	0.00406	0.33	0.085	127	32.8	< 0.20	< 0.040
	TL-01	238081368-Liver	2025-09-20	VA25C6080-008	< 0.020	< 0.0040	0.0131	0.00338	< 0.10	< 0.020	0.0027	0.00069	< 0.10	< 0.020	85.9	22.2	< 0.2	

APPENDIX B MONITORING RESULTS

Appendix B.1	Box Plots of COPC Concentrations in Surface Water
Appendix B.2	Summary Statistics for 2025 COPC Concentrations in Surface Water
Appendix B.3	Time Series Graphs for Total Aluminum and Total Iron, Concentrations in Surface Water, 2016-2025
Appendix B.4	Plots of COPC Concentrations in Fish Tissues
Appendix B.5	Summary Statistics for 2025 COPC Concentrations in Fish Tissues

Appendix B.1 Box Plots of COPC Concentrations in Surface Water

FIGURE B.1-1 PROPORTION OF DETECTED DATA BY VARIABLE AND PERIOD

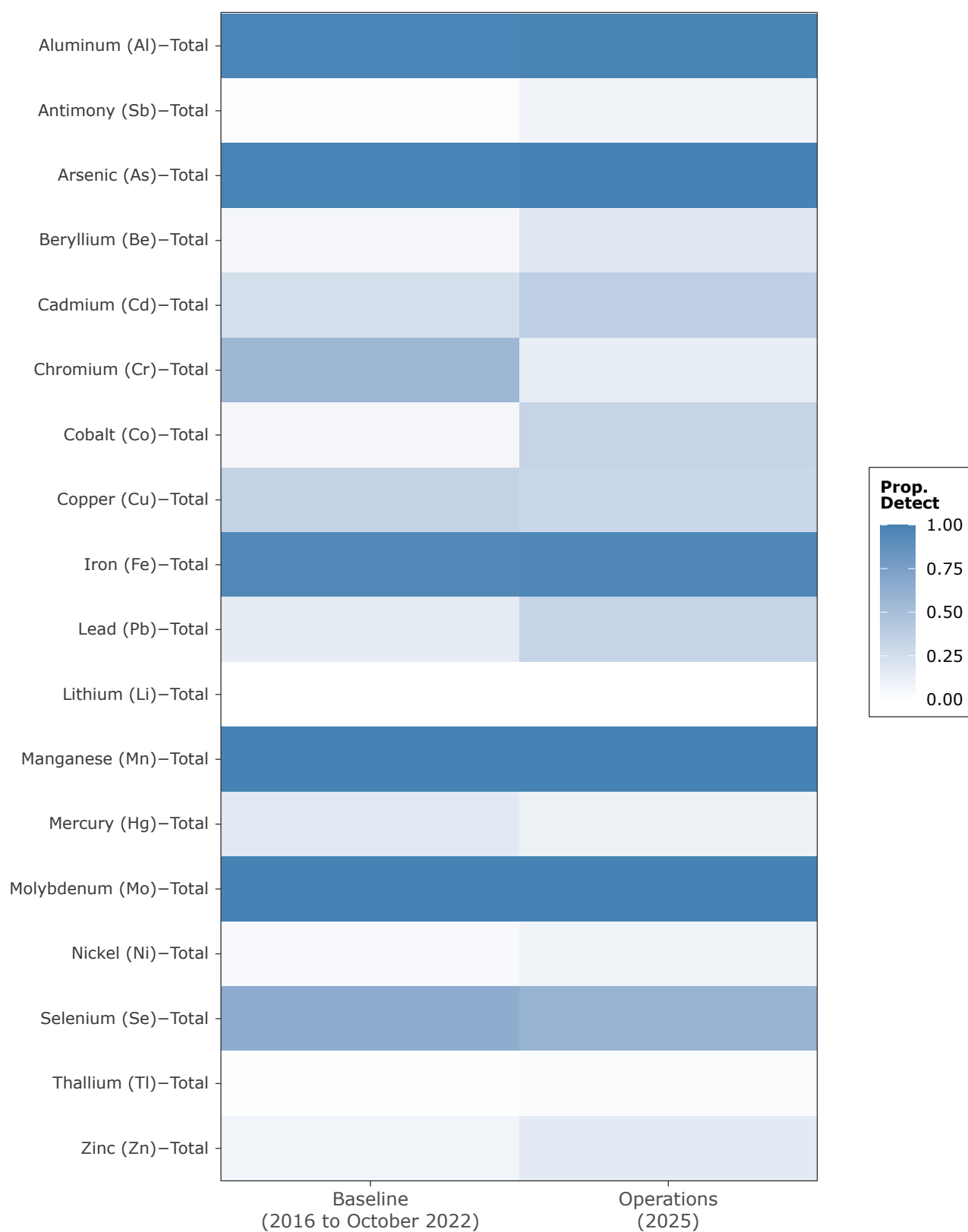
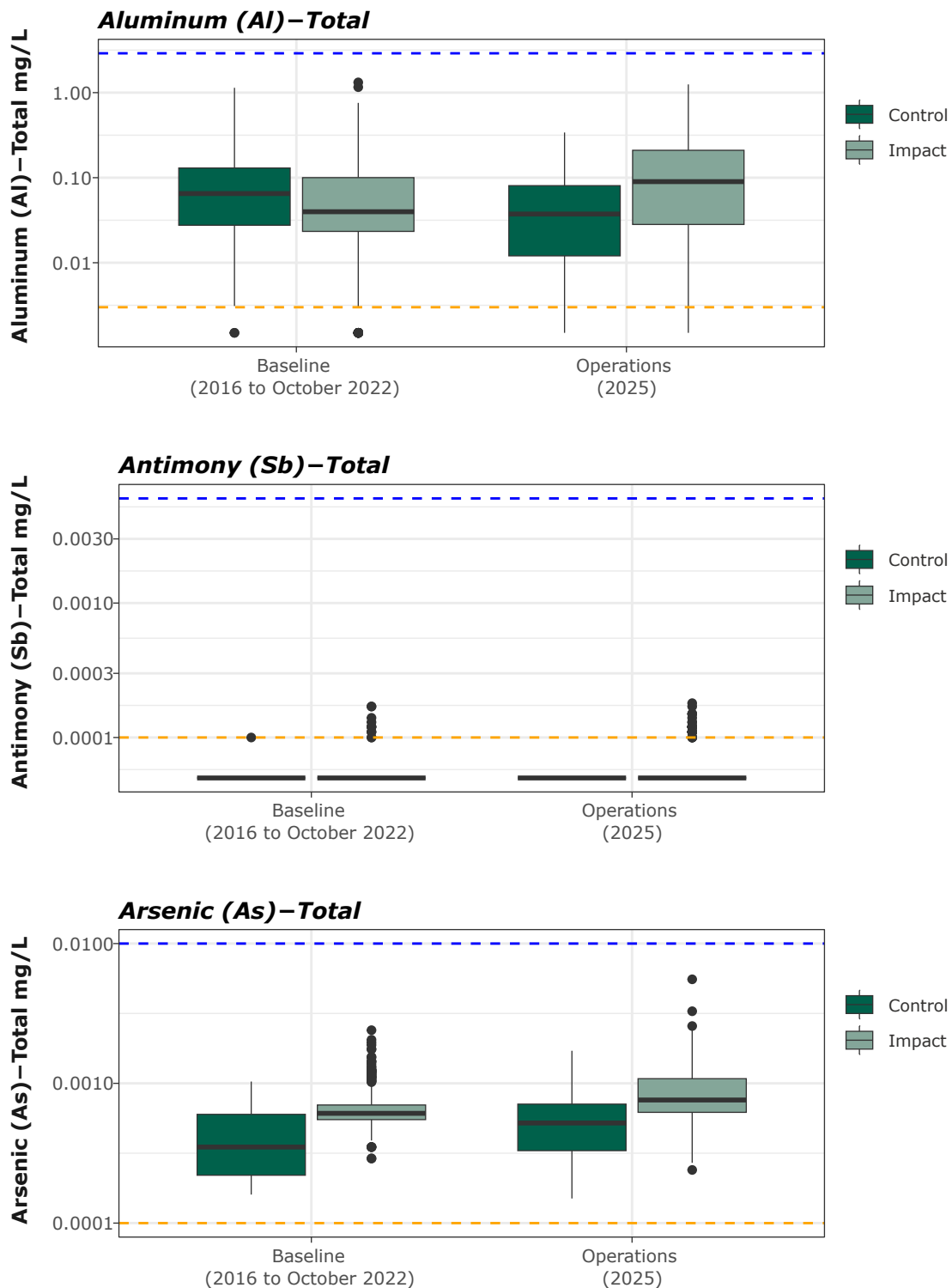
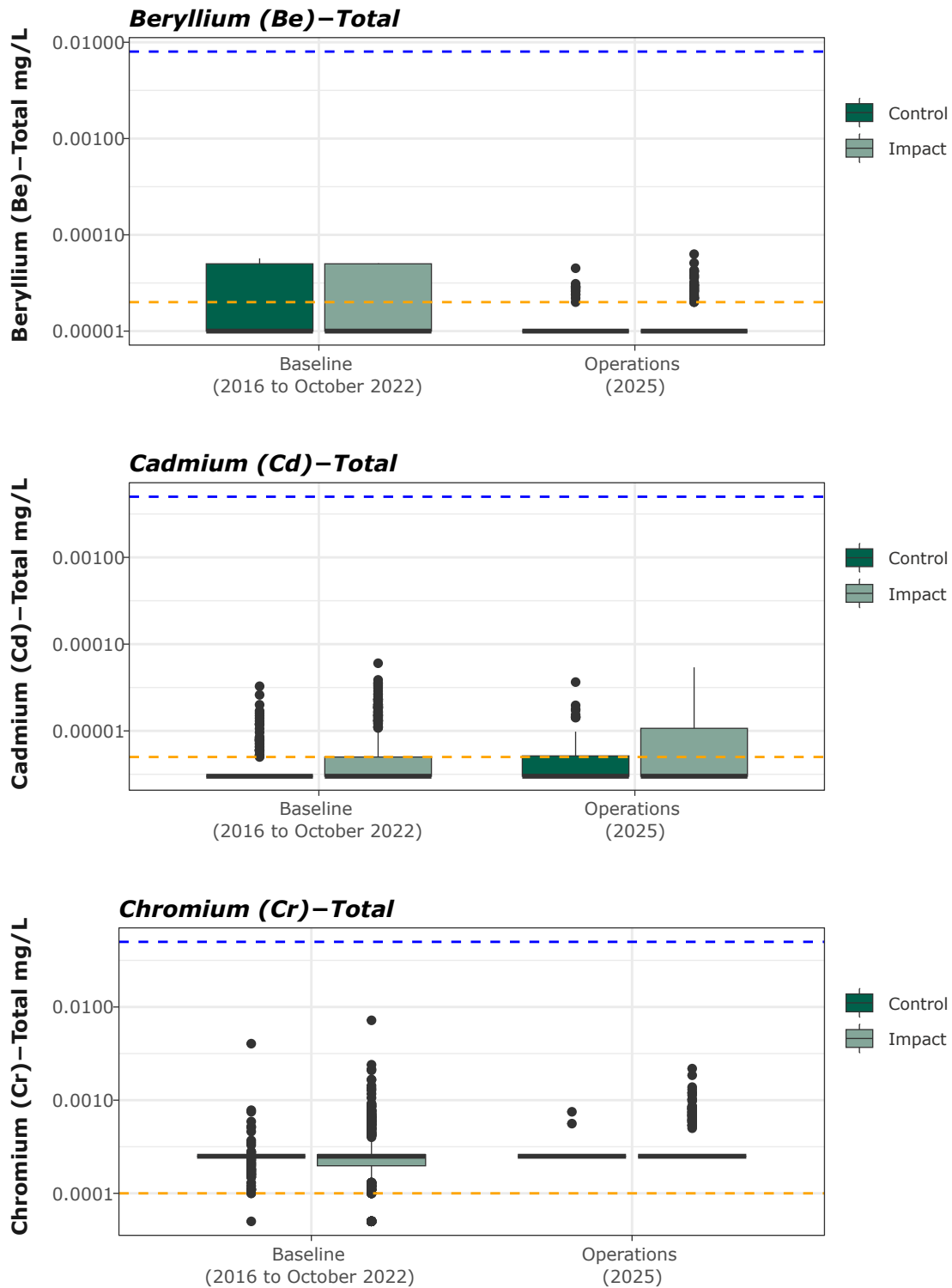


FIGURE B.1-2a CONCENTRATION OF CONTAMINANT OF POTENTIAL CONCERN FOR BASELINE (2016 TO OCTOBER 2022) AND FOR OPERATION MONITORING (2025) PERIODS AT CONTROL AND IMPACT SITES IN THE CFMP STUDY AREA



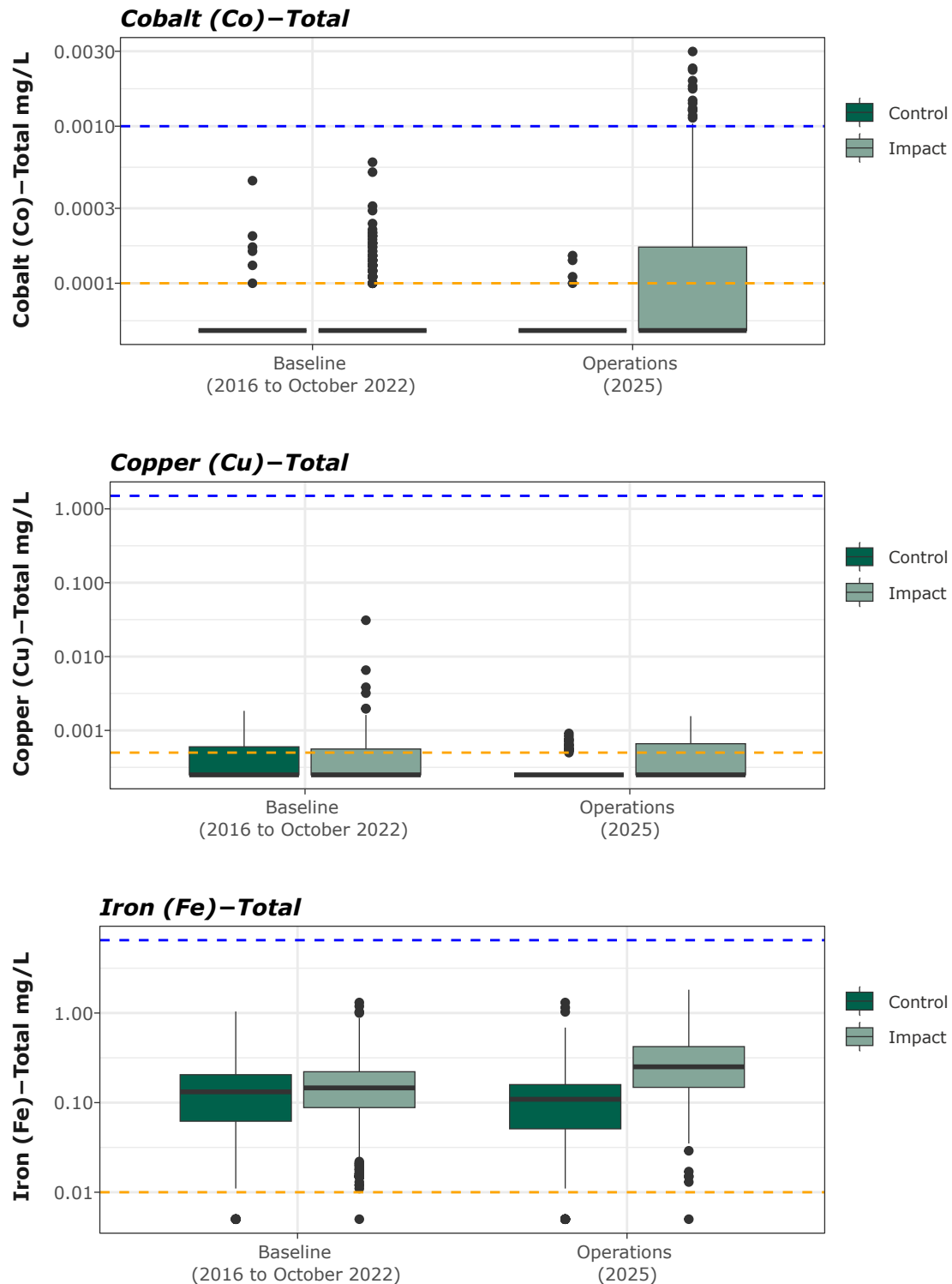
Notes: The center line of each box denotes the median value, while the box contains the interquartile range (IQR) of the dataset. The whiskers extend to 1.5 x IQR, and the points beyond these upper and lower bounds may be outliers. The broken orange line denotes the lowest detection limit (DL). Concentrations measured to be less than the DL were replaced with concentrations of 0.5 x DL. The broken blue line denotes the Water Quality Guideline Numeric Performance Metric.

FIGURE B.1-2b CONCENTRATION OF CONTAMINANT OF POTENTIAL CONCERN FOR BASELINE (2016 TO OCTOBER 2022) AND FOR OPERATION MONITORING (2025) PERIODS AT CONTROL AND IMPACT SITES IN THE CFMP STUDY AREA



Notes: The center line of each box denotes the median value, while the box contains the interquartile range (IQR) of the dataset. The whiskers extend to $1.5 \times \text{IQR}$, and the points beyond these upper and lower bounds may be outliers. The broken orange line denotes the lowest detection limit (DL). Concentrations measured to be less than the DL were replaced with concentrations of $0.5 \times \text{DL}$. The broken blue line denotes the Water Quality Guideline Numeric Performance Metric.

FIGURE B.1-2c CONCENTRATION OF CONTAMINANT OF POTENTIAL CONCERN FOR BASELINE (2016 TO OCTOBER 2022) AND FOR OPERATION MONITORING (2025) PERIODS AT CONTROL AND IMPACT SITES IN THE CFMP STUDY AREA



Notes: The center line of each box denotes the median value, while the box contains the interquartile range (IQR) of the dataset. The whiskers extend to 1.5 x IQR, and the points beyond these upper and lower bounds may be outliers. The broken orange line denotes the lowest detection limit (DL). Concentrations measured to be less than the DL were replaced with concentrations of 0.5 x DL. The broken blue line denotes the Water Quality Guideline Numeric Performance Metric.

FIGURE B.1-2d CONCENTRATION OF CONTAMINANT OF POTENTIAL CONCERN FOR BASELINE (2016 TO OCTOBER 2022) AND FOR OPERATION MONITORING (2025) PERIODS AT CONTROL AND IMPACT SITES IN THE CFMP STUDY AREA

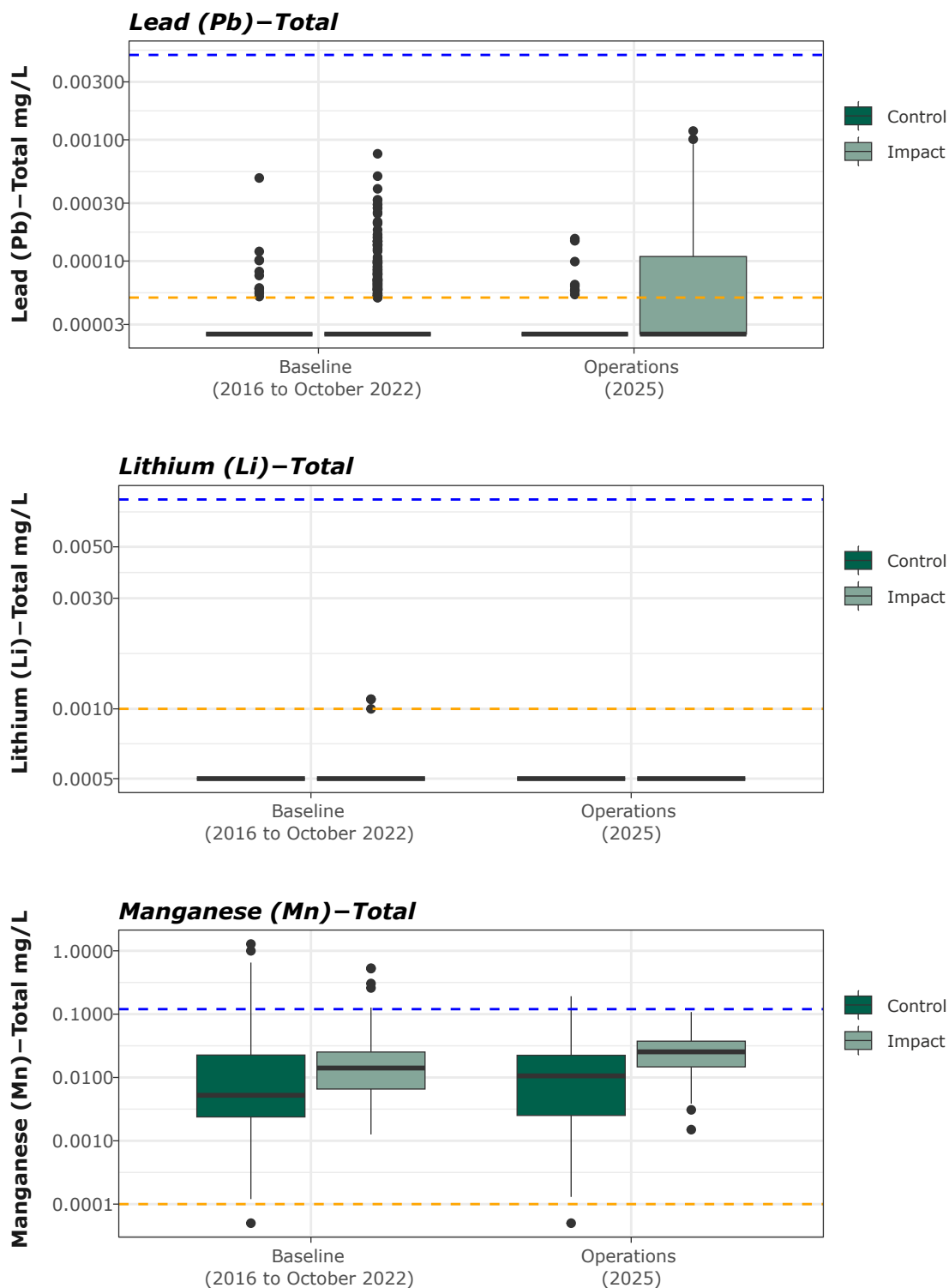
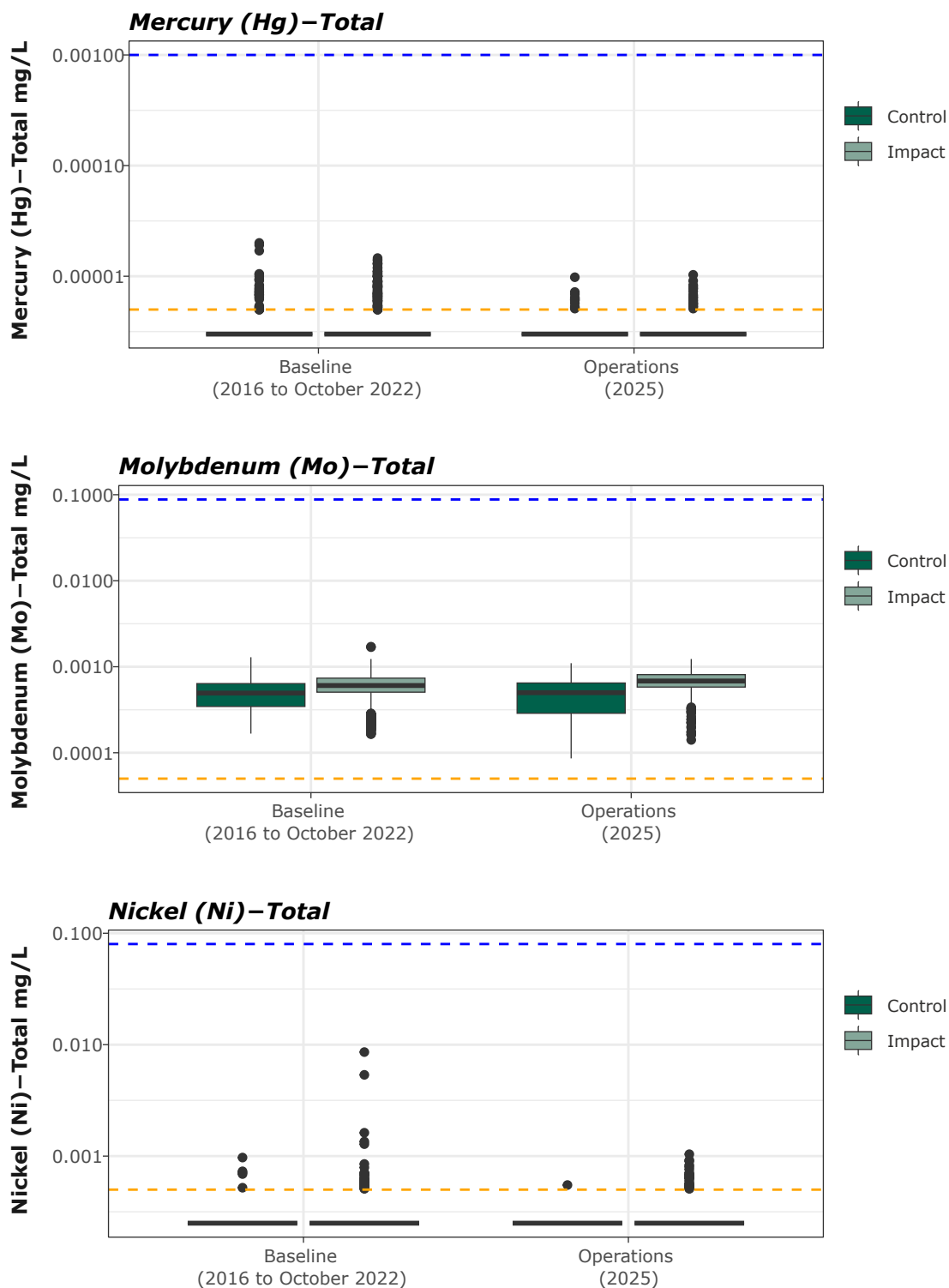
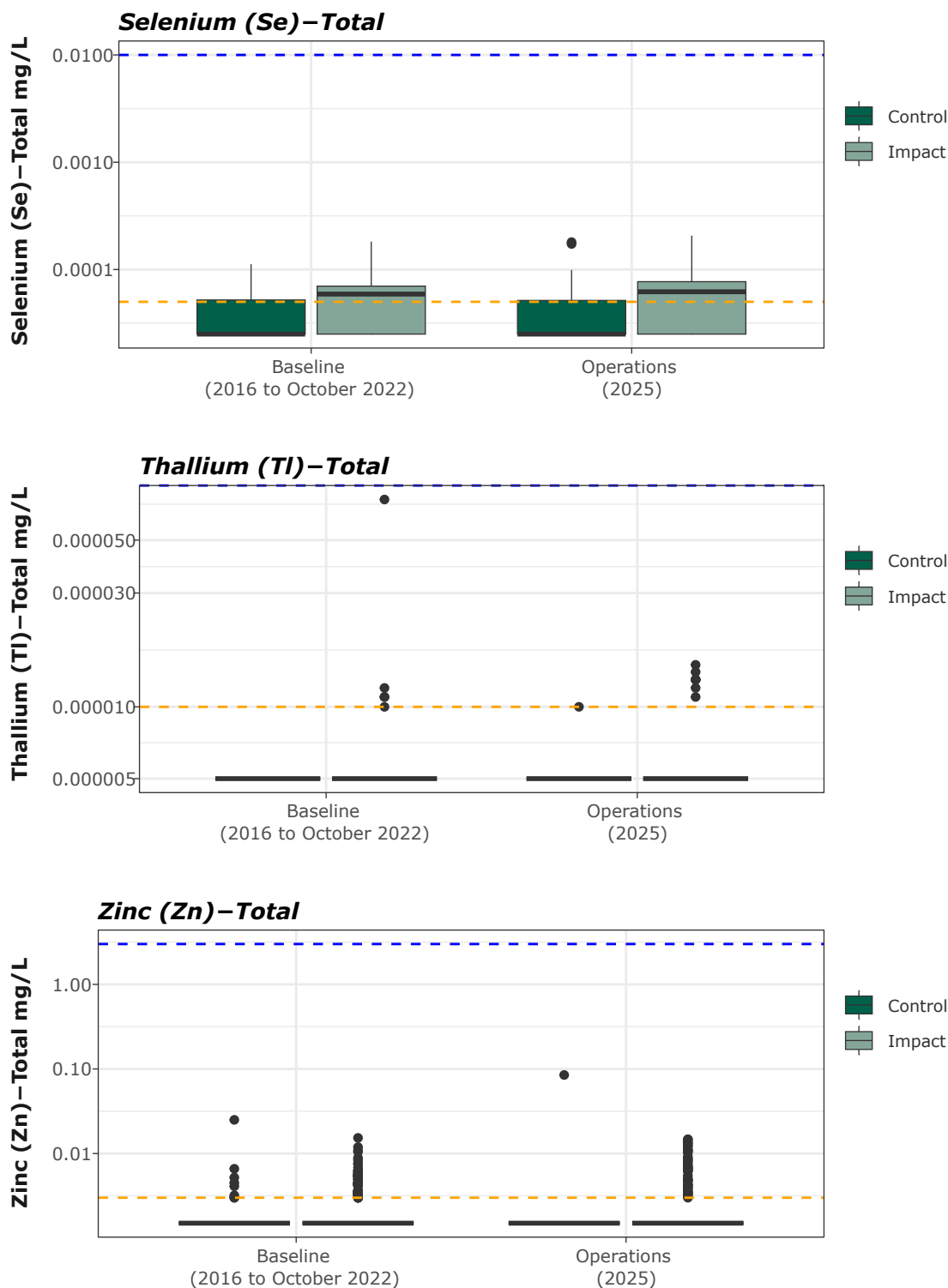


FIGURE B.1-2e CONCENTRATION OF CONTAMINANT OF POTENTIAL CONCERN FOR BASELINE (2016 TO OCTOBER 2022) AND FOR OPERATION MONITORING (2025) PERIODS AT CONTROL AND IMPACT SITES IN THE CFMP STUDY AREA



Notes: The center line of each box denotes the median value, while the box contains the interquartile range (IQR) of the dataset. The whiskers extend to 1.5 x IQR, and the points beyond these upper and lower bounds may be outliers. The broken orange line denotes the lowest detection limit (DL). Concentrations measured to be less than the DL were replaced with concentrations of 0.5 x DL. The broken blue line denotes the Water Quality Guideline Numeric Performance Metric.

FIGURE B.1-2f CONCENTRATION OF CONTAMINANT OF POTENTIAL CONCERN FOR BASELINE (2016 TO OCTOBER 2022) AND FOR OPERATION MONITORING (2025) PERIODS AT CONTROL AND IMPACT SITES IN THE CFMP STUDY AREA



Notes: The center line of each box denotes the median value, while the box contains the interquartile range (IQR) of the dataset. The whiskers extend to 1.5 x IQR, and the points beyond these upper and lower bounds may be outliers. The broken orange line denotes the lowest detection limit (DL). Concentrations measured to be less than the DL were replaced with concentrations of 0.5 x DL. The broken blue line denotes the Water Quality Guideline Numeric Performance Metric.

Appendix B.2 Summary Statistics for 2025 COPC Concentrations in Surface Water

APPENDIX B.2-1: SUMMARY STATISTICS FOR COPC CONCENTRATIONS IN SURFACE WATER AT CONTROL SITES, 2025

COPC	Minimum DL	n > DL	% > DL	Summary Statistics of COPC Concentrations in Surface Water, Control Sites ^a (n = 125; mg/L)					
				Minimum	Mean	95% UCLM	Median	P95	Maximum
Aluminum	0.003	121	96.8	<0.003	0.063	0.076	0.038	0.22	0.35
Antimony	0.0001	1	0.8	<0.0001	-	-	-	-	0.00016
Arsenic	0.0001	125	100	0.00015	0.00054	0.00059	0.0005	0.00094	0.0017
Beryllium	0.00002	18	14.4	<0.00002	-	-	-	-	0.000044
Cadmium	0.000005	31	24.8	<0.000005	-	-	-	-	0.000036
Chromium	0.0005	3	2.4	<0.0005	-	-	-	-	0.00086
Cobalt	0.0001	5	4	<0.0001	-	-	-	-	0.00015
Copper	0.0005	24	19.2	<0.0005	-	-	-	-	0.00092
Iron	0.01	112	89.6	<0.01	0.15	0.19	0.11	0.37	1.31
Lead	0.00005	11	8.8	<0.00005	-	-	-	-	0.00015
Lithium	0.001	0	0	<0.001	-	-	-	-	0.0005
Manganese	0.0001	123	98.4	<0.0001	0.017	0.022	0.01	0.048	0.13
Mercury	0.000005	14	11.2	<0.000005	-	-	-	-	0.0000086
Molybdenum	0.00005	125	100	0.000086	0.00049	0.00054	0.0005	0.00091	0.0011
Nickel	0.0005	3	2.4	<0.0005	-	-	-	-	0.00055
Selenium	0.00005	31	24.8	<0.00005	-	-	-	-	0.00018
Thallium	0.00001	1	0.8	<0.00001	-	-	-	-	0.00001
Zinc	0.003	1	0.8	<0.003	-	-	-	-	0.085

Notes:

95% UCLM = 95% upper confidence limit of the mean; COPC = contaminant of potential concern; DL = detection limit; mg/L = milligrams per litre; n = number of samples; P95 = 95th percentile

n > DL = Number of samples with concentration greater than the DL; % > DL = Percent of samples with concentration greater than the DL

Data collected between January 1, 2025 and December 31, 2025 were included in the calculation of summary statistics.

Concentrations measured to be less than the DL were replaced with concentrations of 0.5 x DL for the purpose of calculating summary statistics.

"-" means that summary statistics, other than minimum and maximum, have not been calculated as less than 30% of samples were above DL.

The 95% UCLM was calculated using bootstrapping methods, which are free of parametric assumptions.

^a Sites: TC-01, 661-01, CC-03, 705-05, 705-10, FC-01, KL-01

APPENDIX B.2-2: SUMMARY STATISTICS FOR COPC CONCENTRATIONS IN SURFACE WATER AT ALL SITES WITHIN STUDY AREA, 2025

COPC	Minimum DL	n > DL	% > DL	Summary Statistics of COPC Concentrations in Surface Water, All Sites ^a (n = 373; mg/L)					
				Minimum	Mean	95% UCLM	Median	P95	Maximum
Aluminum	0.003	367	98.4	<0.003	0.14	0.16	0.067	0.51	1.25
Antimony	0.0001	35	9.4	<0.0001	-	-	-	-	0.00018
Arsenic	0.0001	373	100	0.00015	0.0008	0.00085	0.0007	0.0016	0.0056
Beryllium	0.00002	72	19.3	<0.00002	-	-	-	-	0.000063
Cadmium	0.000005	139	37.3	<0.000005	0.0000076	0.0000085	0.000003	0.000029	0.000054
Chromium	0.0005	51	13.7	<0.0005	-	-	-	-	0.0022
Cobalt	0.0001	123	33	<0.0001	0.00018	0.00022	0.00005	0.00092	0.003
Copper	0.0005	115	30.8	<0.0005	0.00041	0.00044	0.00025	0.00092	0.0016
Iron	0.01	357	95.7	<0.01	0.26	0.29	0.18	0.67	1.82
Lead	0.00005	123	33	<0.00005	0.000084	0.0001	0.000025	0.00036	0.0012
Lithium	0.001	0	0	<0.001	-	-	-	-	0.0005
Manganese	0.0001	371	99.5	<0.0001	0.025	0.027	0.021	0.069	0.13
Mercury	0.000005	40	10.7	<0.000005	-	-	-	-	0.00001
Molybdenum	0.00005	373	100	0.000086	0.00061	0.00064	0.00064	0.00098	0.0012
Nickel	0.0005	34	9.1	<0.0005	-	-	-	-	0.001
Selenium	0.00005	214	57.4	<0.00005	0.000054	0.000057	0.000054	0.0001	0.00021
Thallium	0.00001	10	2.7	<0.00001	-	-	-	-	0.000015
Zinc	0.003	59	15.8	<0.003	-	-	-	-	0.085

Notes:

95% UCLM = 95% upper confidence limit of the mean; COPC = contaminant of potential concern; DL = detection limit; mg/L = milligrams per litre; n = number of samples; P95 = 95th percentile

n > DL = Number of samples with concentration greater than the DL; % > DL = Percent of samples with concentration greater than the DL

Data collected between January 1, 2025 and December 31, 2025 were included in the calculation of summary statistics.

Concentrations measured to be less than the DL were replaced with concentrations of 0.5 x DL for the purpose of calculating summary statistics.

"-" means that summary statistics, other than minimum and maximum, have not been calculated as less than 30% of samples were above DL.

The 95% UCLM was calculated using bootstrapping methods, which are free of parametric assumptions.

^a Sites: DC-05, DC-10, DC-15, DC-20, TC-05, TC-10, TC-15, 661-03, 661-04, 661-05, 661-10, 661-20, CC-05, CC-10, CC-15, CC-20, CC-30, CC-40, TL-01, TC-01, 661-01, CC-03, 705-05, 705-10, FC-01, KL-01

Appendix B.3

Time Series Graphs for Total Aluminum and Total Iron Concentrations in Surface Water, 2016-2025

FIGURE B.3-1a MONTHLY MEAN TOTAL ALUMINUM CONCENTRATIONS, DAVIDSON CREEK CFMP STREAMS, 2016 TO 2025

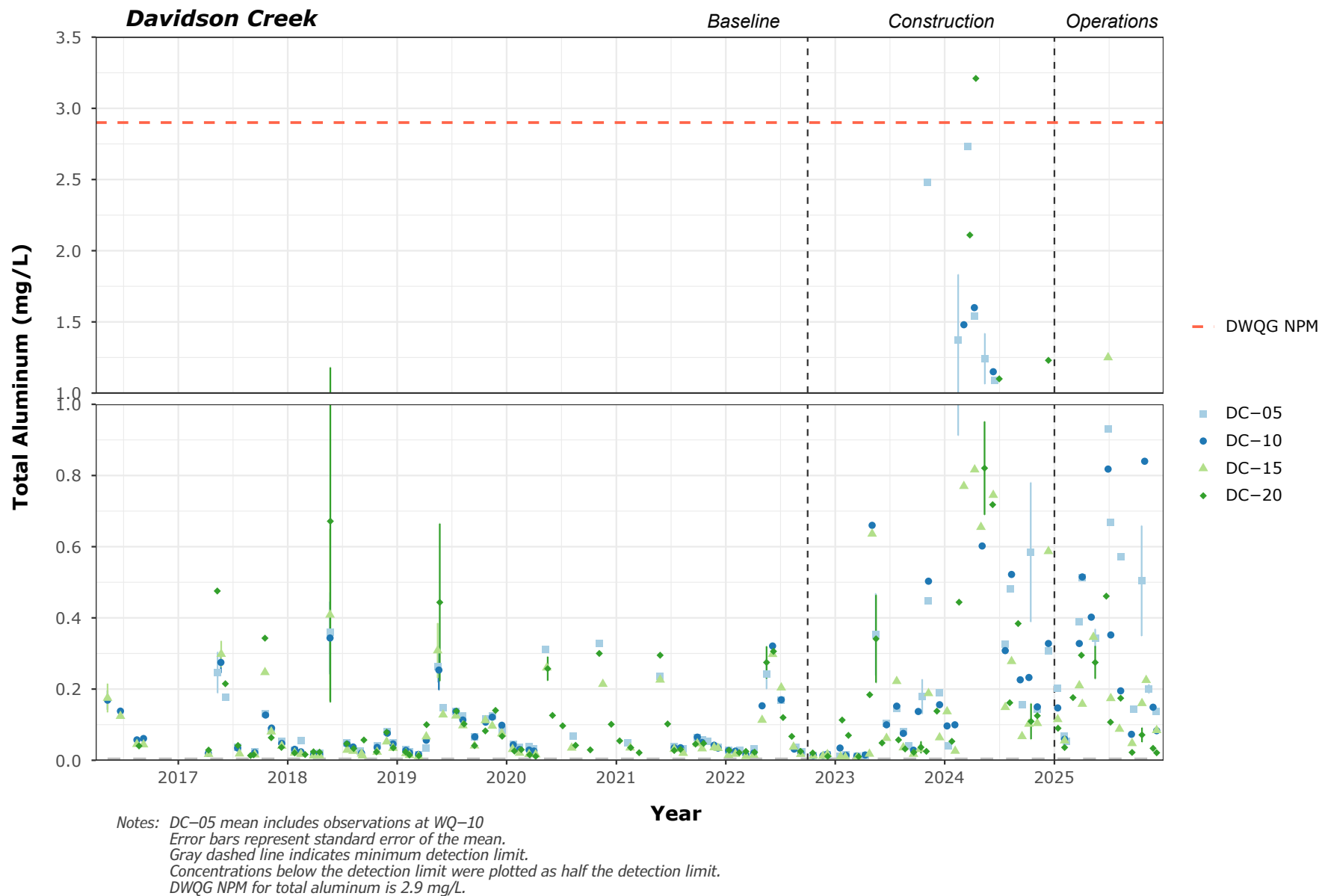
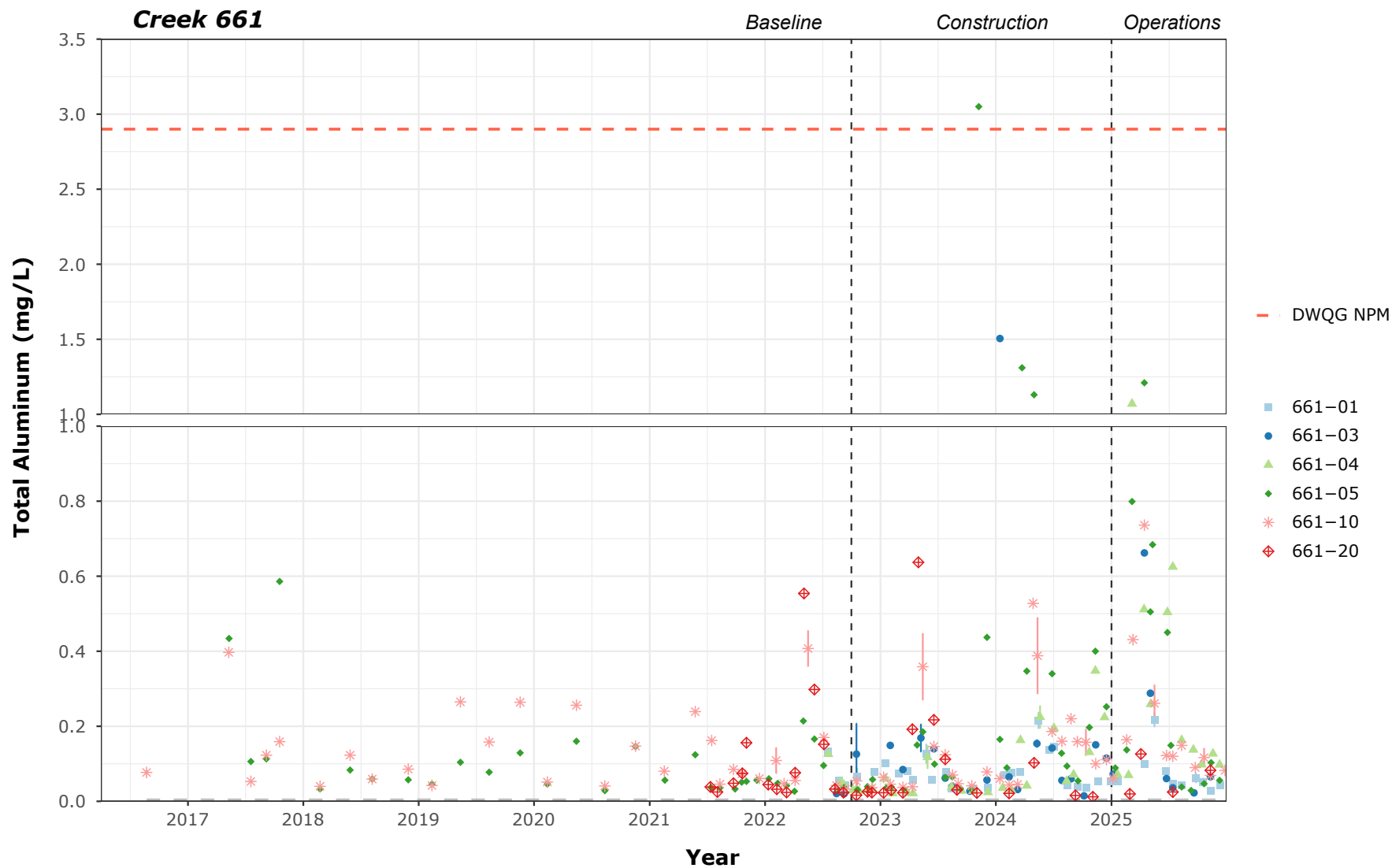


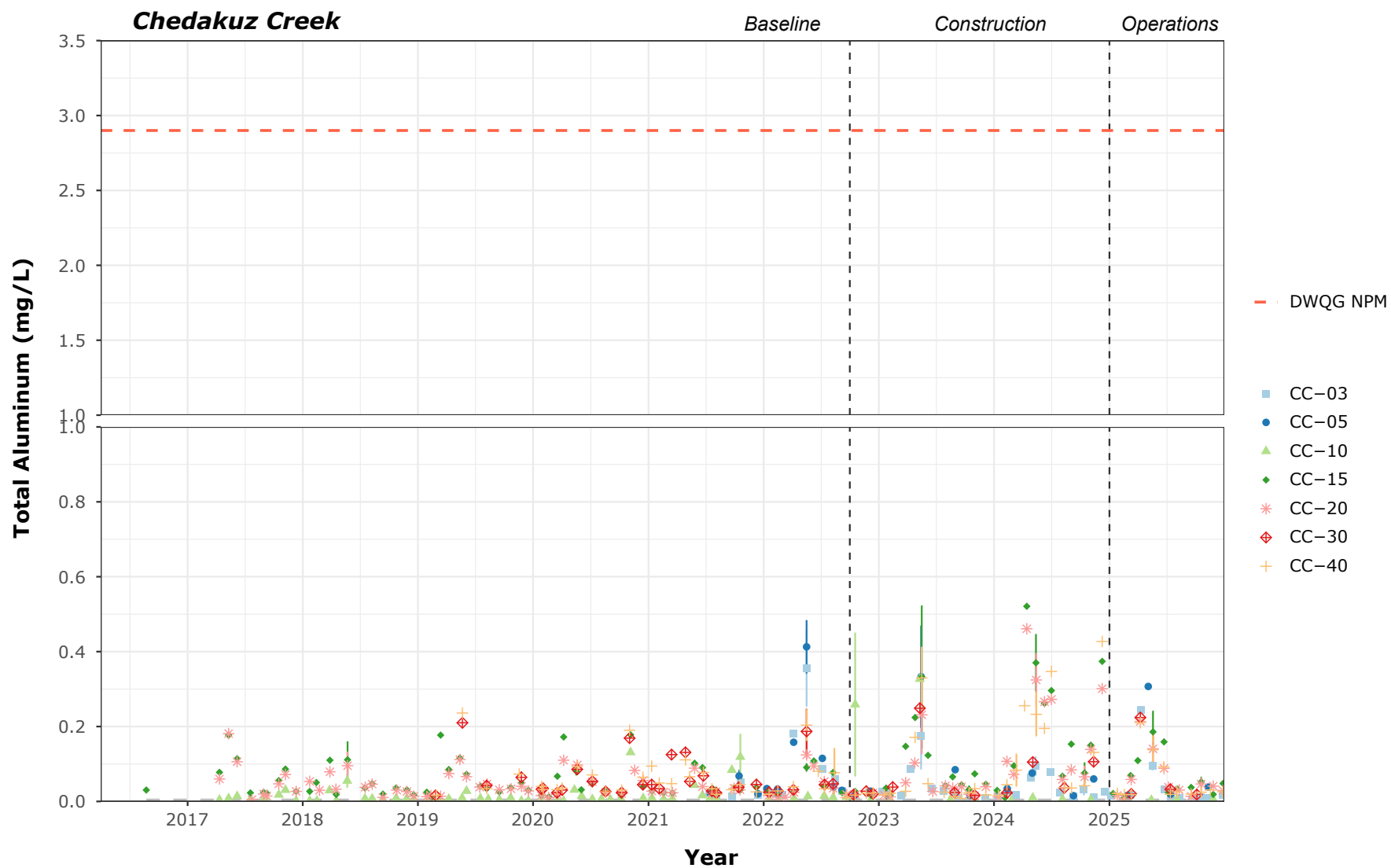
FIGURE B.3-1b MONTHLY MEAN TOTAL ALUMINUM CONCENTRATIONS, CREEK 661 CFMP STREAMS, 2016 TO 2025



Notes: Error bars represent standard error of the mean.
Gray dashed line indicates minimum detection limit.
Concentrations below the detection limit were plotted as half the detection limit.
DWQG NPM for total aluminum is 2.9 mg/L.



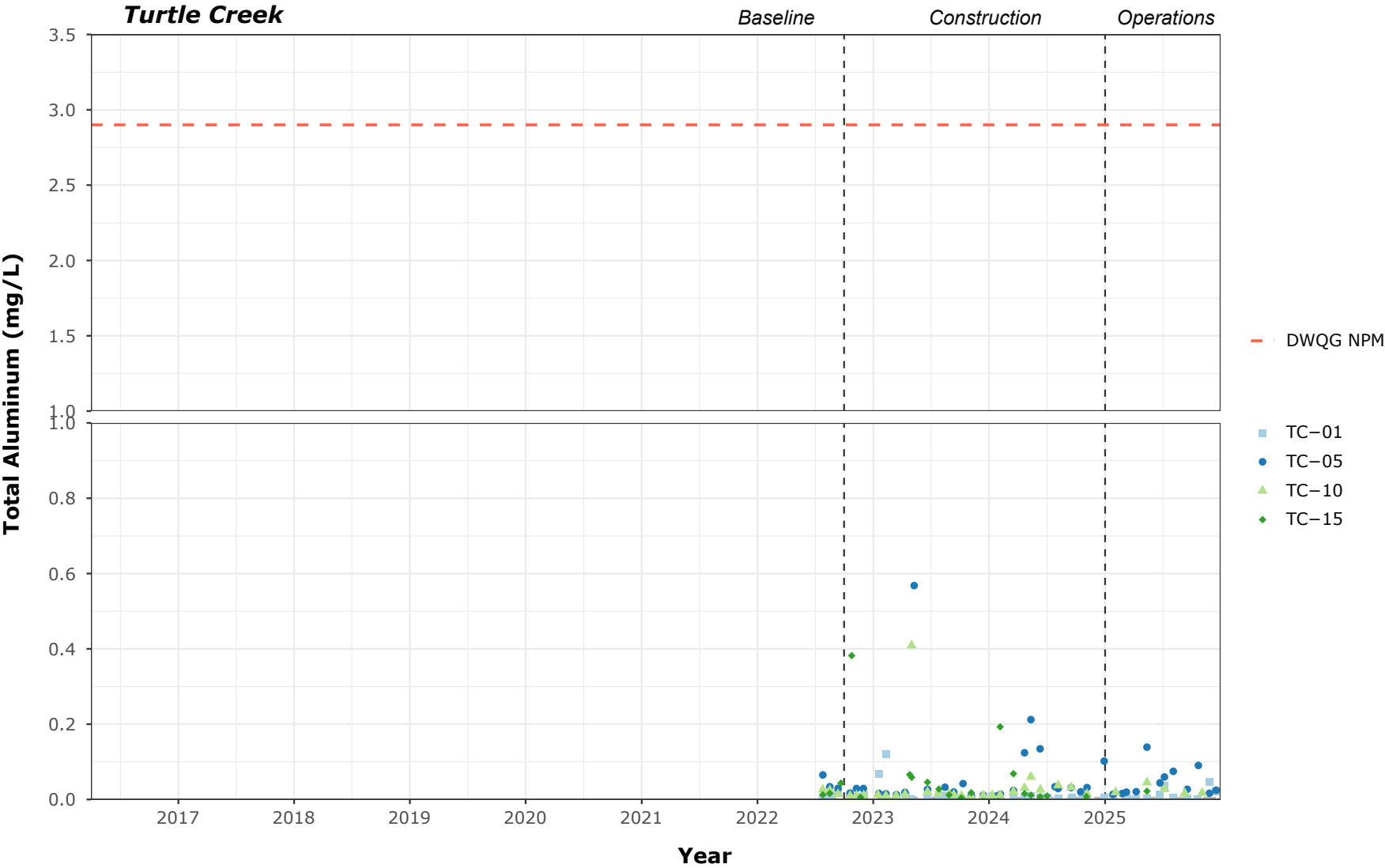
FIGURE B.3-1c MONTHLY MEAN TOTAL ALUMINUM CONCENTRATIONS, CHEDAKUZ CREEK CFMP STREAMS, 2016 TO 2025



Notes: Error bars represent standard error of the mean.
 Gray dashed line indicates minimum detection limit.
 Concentrations below the detection limit were plotted as half the detection limit.
 DWQG NPM for total aluminum is 2.9 mg/L.



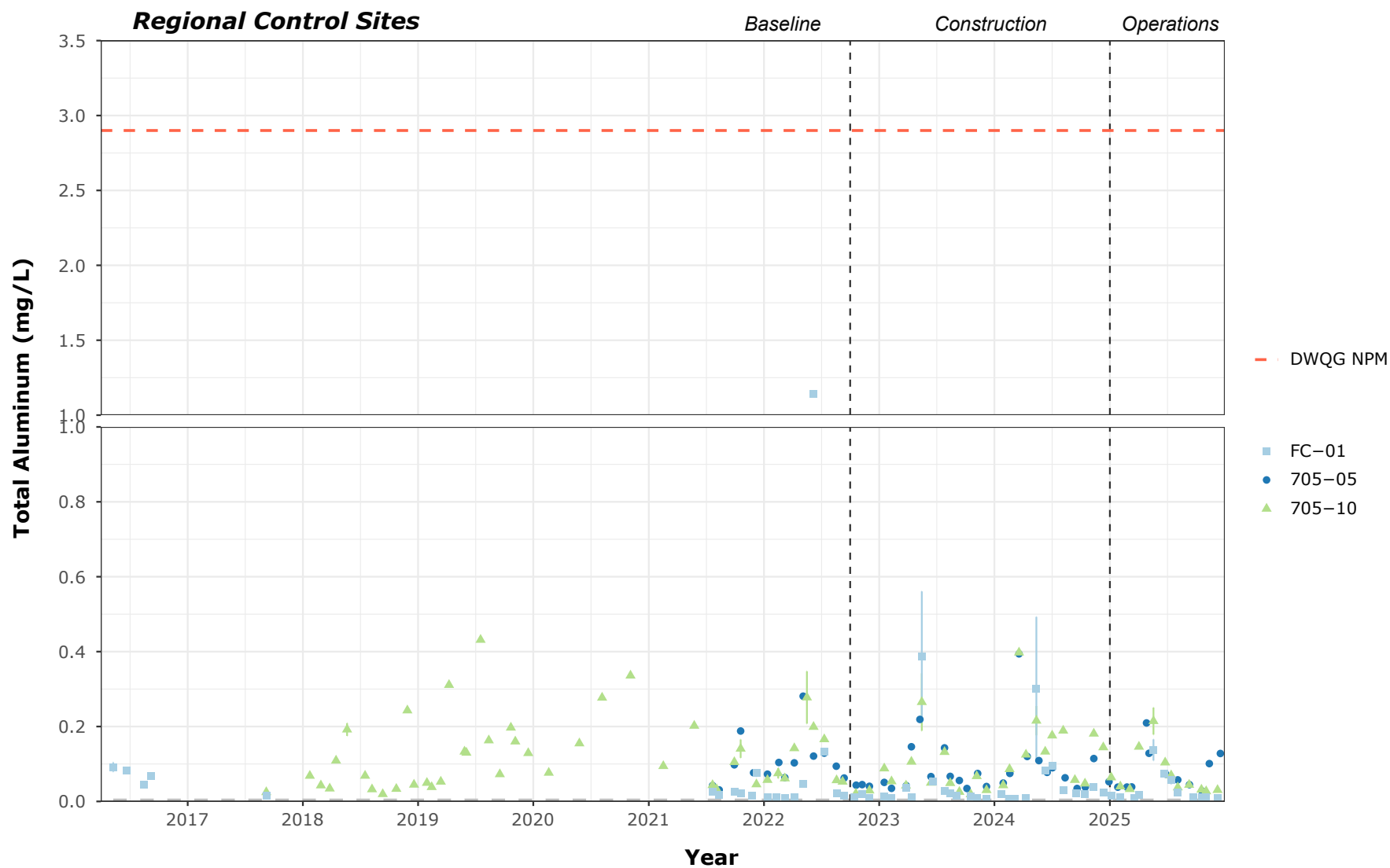
FIGURE B.3-1d MONTHLY MEAN TOTAL ALUMINUM CONCENTRATIONS, TURTLE CREEK CFMP STREAMS, 2016 TO 2025



Notes: Error bars represent standard error of the mean.
Gray dashed line indicates minimum detection limit.
Concentrations below the detection limit were plotted as half the detection limit.
DWQG NPM for total aluminum is 2.9 mg/L.

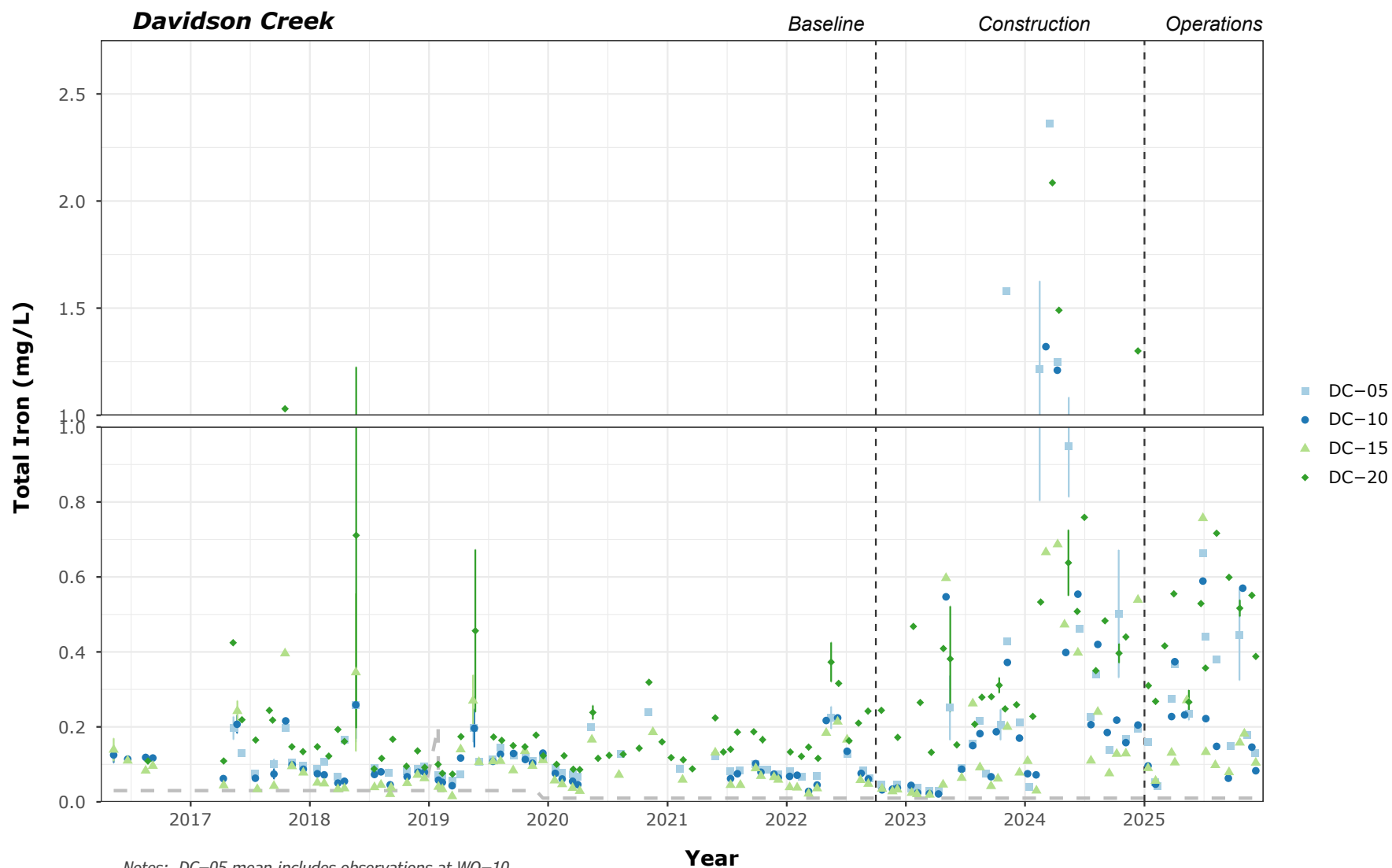


FIGURE B.3-1e MONTHLY MEAN TOTAL ALUMINUM CONCENTRATIONS, REGIONAL CONTROL SITES CFMP STREAMS, 2016 TO 2025



Notes: Error bars represent standard error of the mean.
 Gray dashed line indicates minimum detection limit.
 Concentrations below the detection limit were plotted as half the detection limit.
 DWQG NPM for total aluminum is 2.9 mg/L.

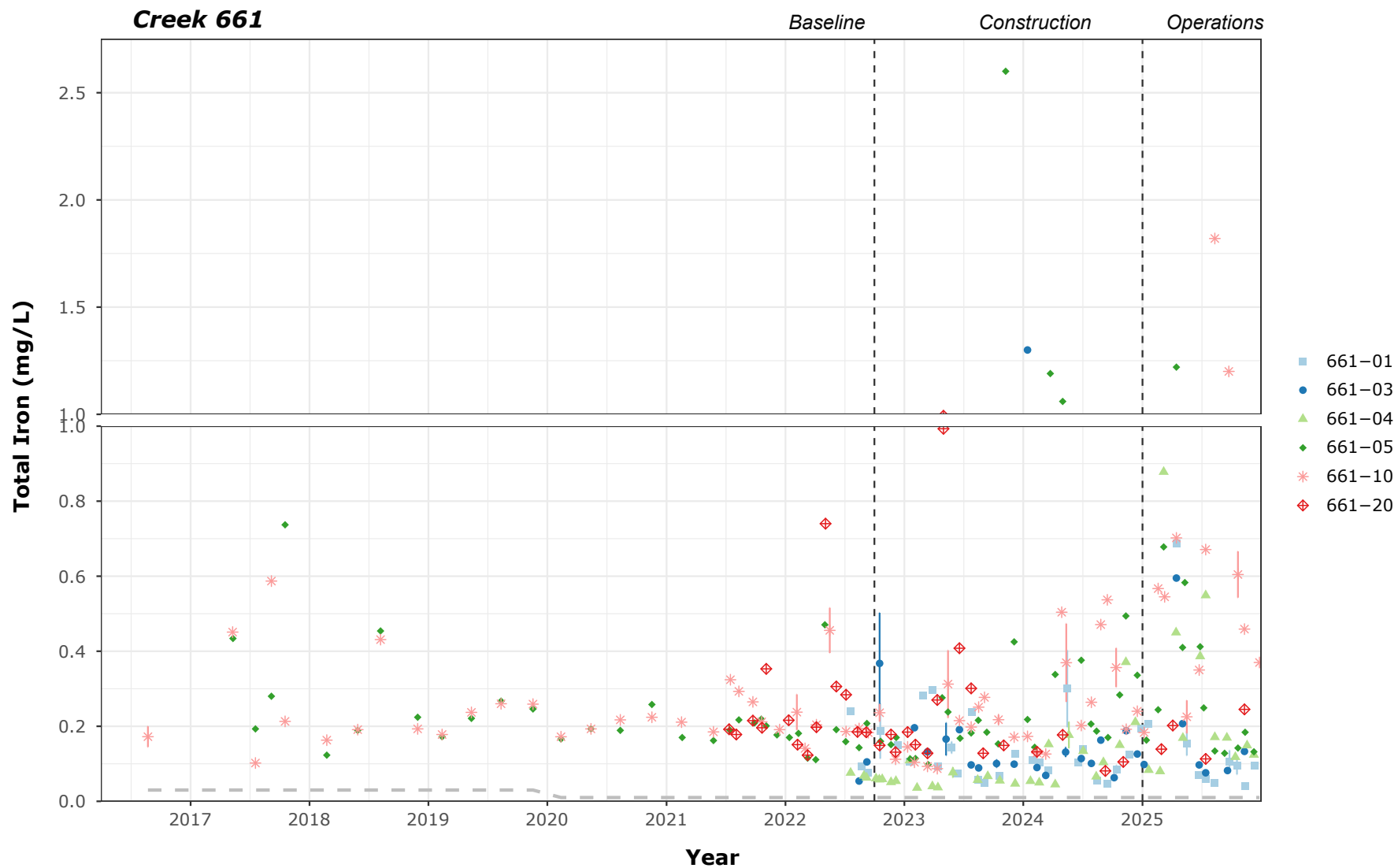
FIGURE B.3-2a MONTHLY MEAN TOTAL IRON CONCENTRATIONS, DAVIDSON CREEK CFMP STREAMS, 2016 TO 2025



Notes: DC-05 mean includes observations at WQ-10
Error bars represent standard error of the mean.
Gray dashed line indicates minimum detection limit.
Concentrations below the detection limit were plotted as half the detection limit.
DWQG NPM for total iron is 6.5 mg/L.



FIGURE B.3-2b MONTHLY MEAN TOTAL IRON CONCENTRATIONS, CREEK 661 CFMP STREAMS, 2016 TO 2025



Notes: Error bars represent standard error of the mean.
 Gray dashed line indicates minimum detection limit.
 Concentrations below the detection limit were plotted as half the detection limit.
 DWQG NPM for total iron is 6.5 mg/L.

FIGURE B.3-2c MONTHLY MEAN TOTAL IRON CONCENTRATIONS, CHEDAKUZ CREEK CFMP STREAMS, 2016 TO 2025

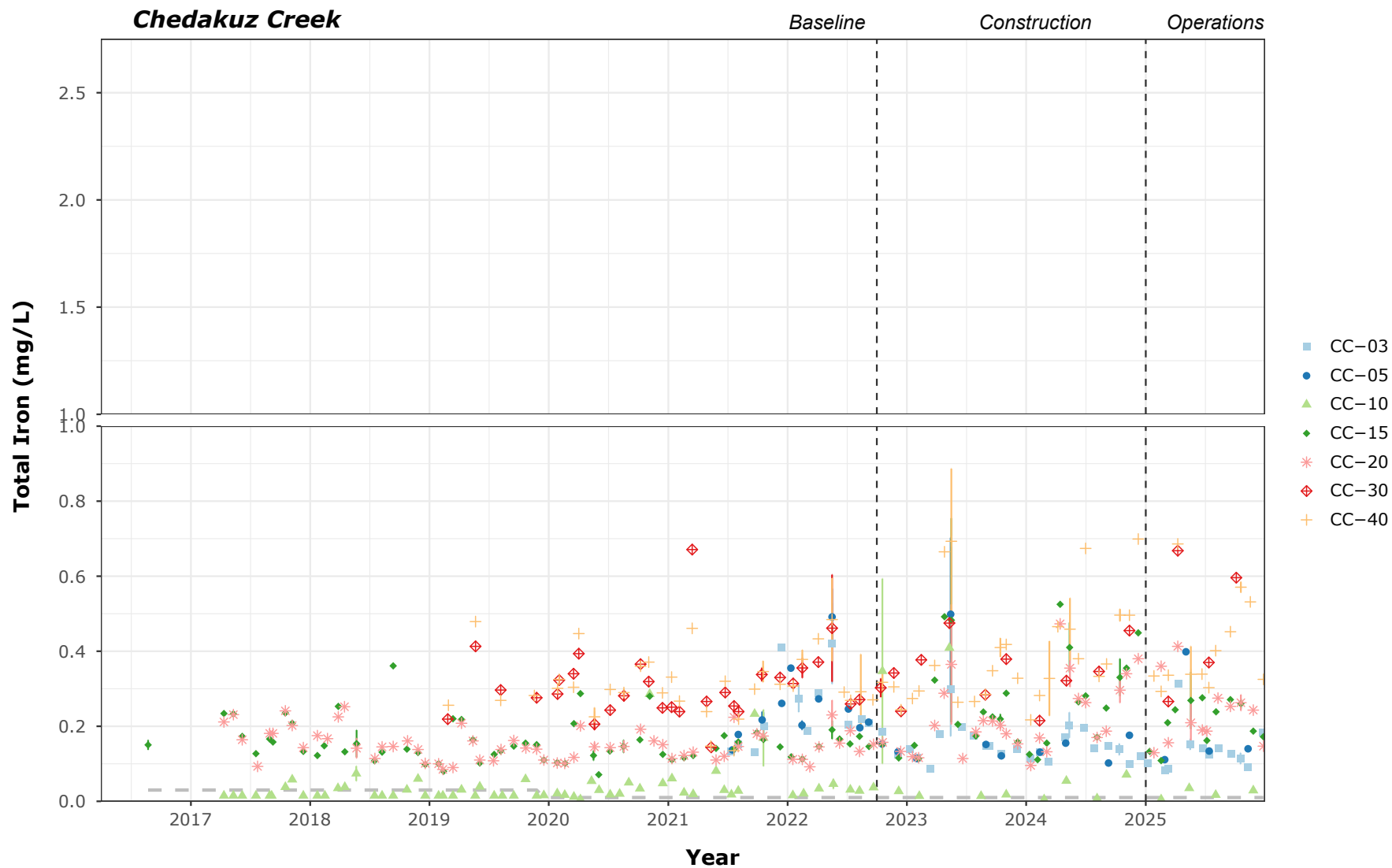
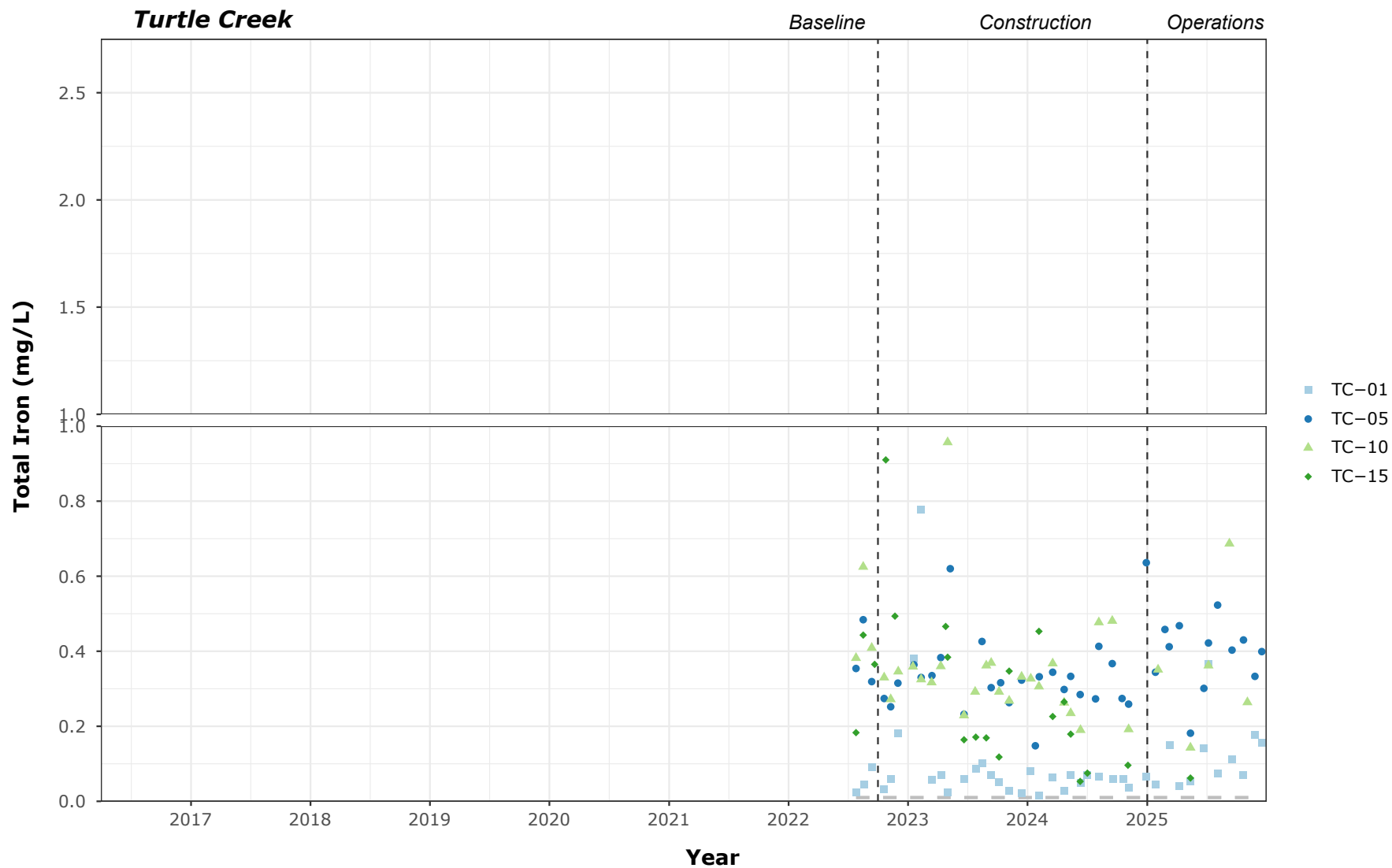
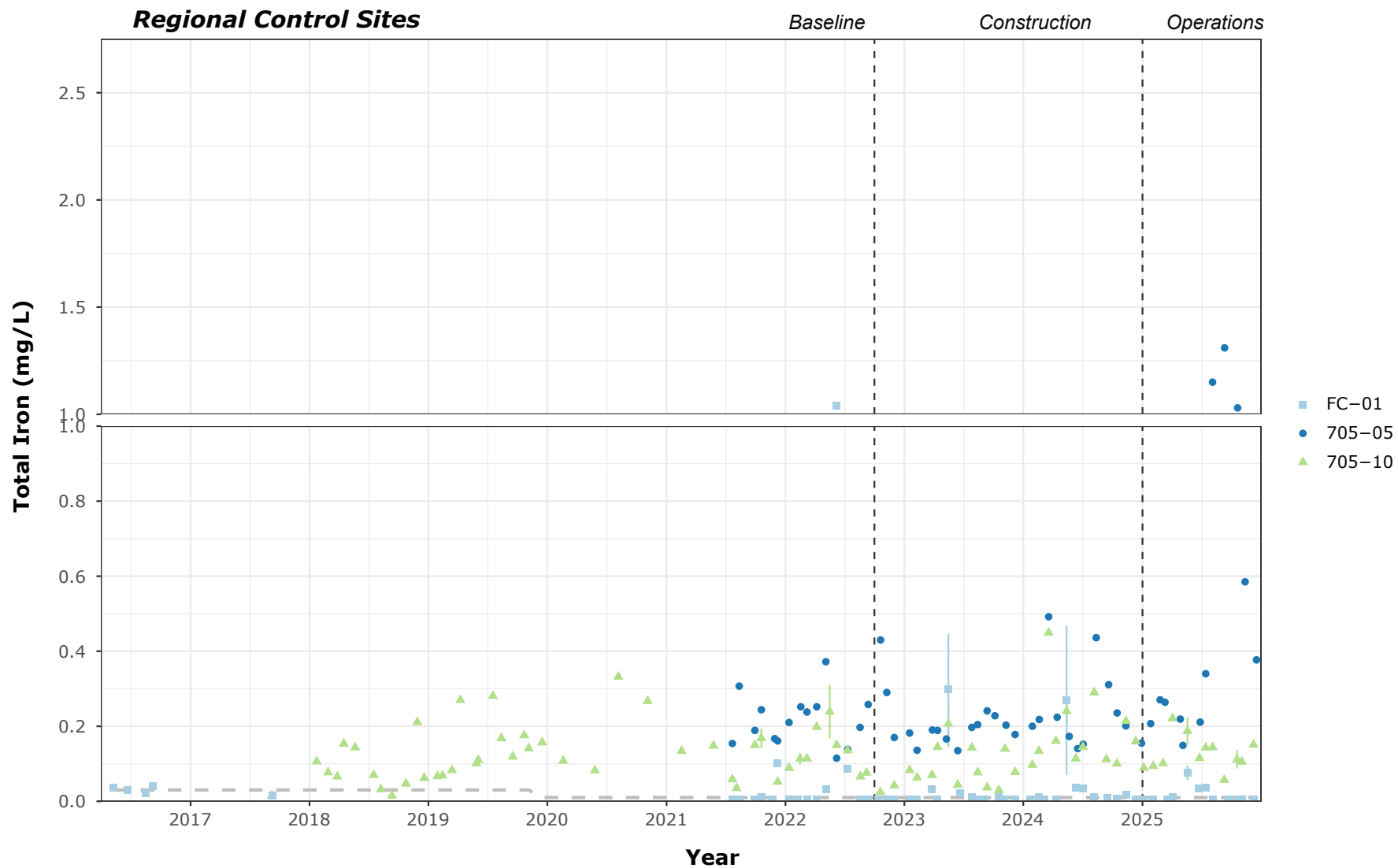


FIGURE B.3-2d MONTHLY MEAN TOTAL IRON CONCENTRATIONS, TURTLE CREEK CFMP STREAMS, 2016 TO 2025



Notes: Error bars represent standard error of the mean.
 Gray dashed line indicates minimum detection limit.
 Concentrations below the detection limit were plotted as half the detection limit.
 DWQG NPM for total iron is 6.5 mg/L.

FIGURE B.3-2e MONTHLY MEAN TOTAL IRON CONCENTRATIONS, REGIONAL CONTROL SITES CFMP STREAMS, 2016 TO 2025



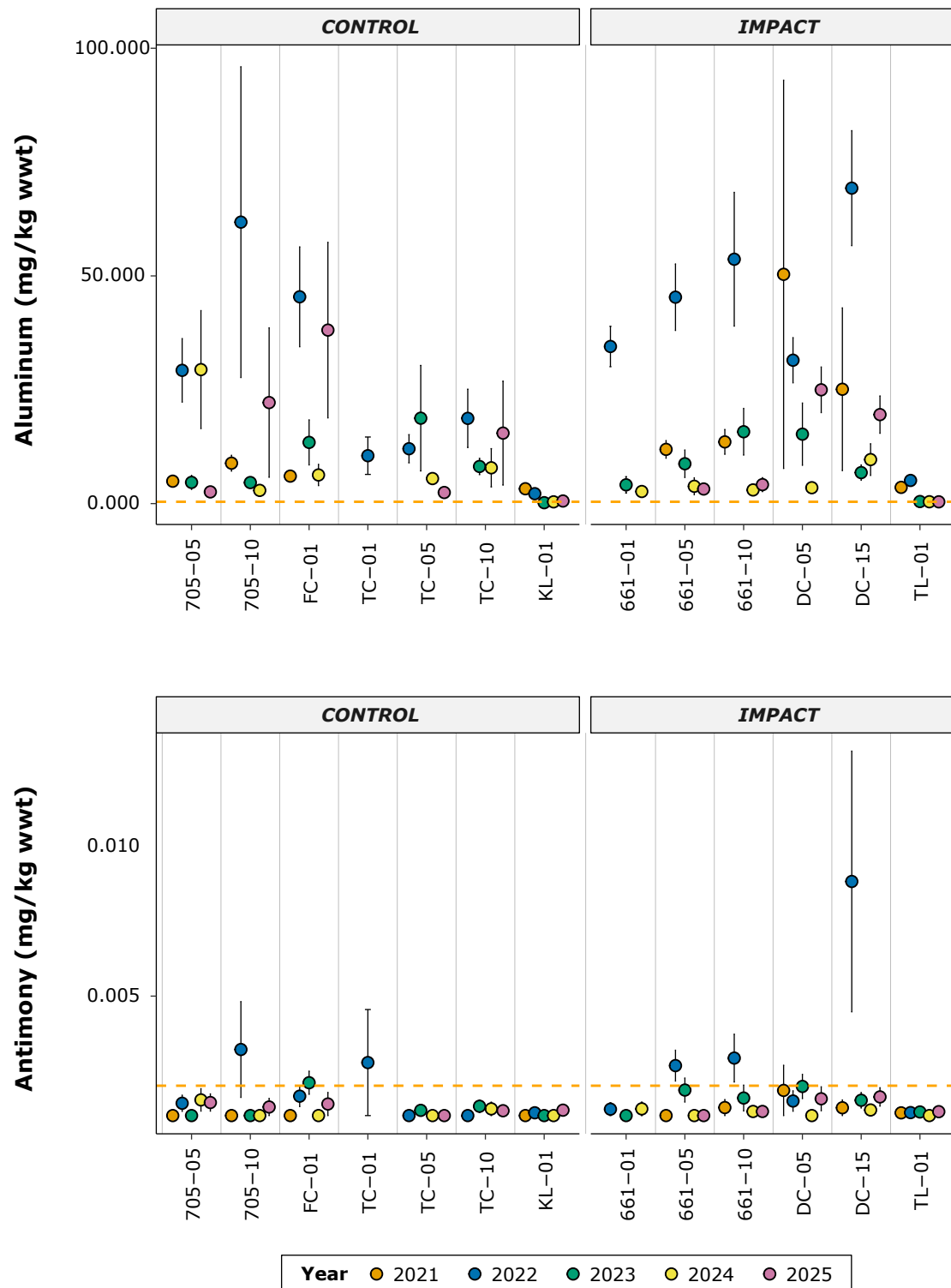
Notes: Error bars represent standard error of the mean.
 Gray dashed line indicates minimum detection limit.
 Concentrations below the detection limit were plotted as half the detection limit.
 DWQG NPM for total iron is 6.5 mg/L.



Appendix B.4

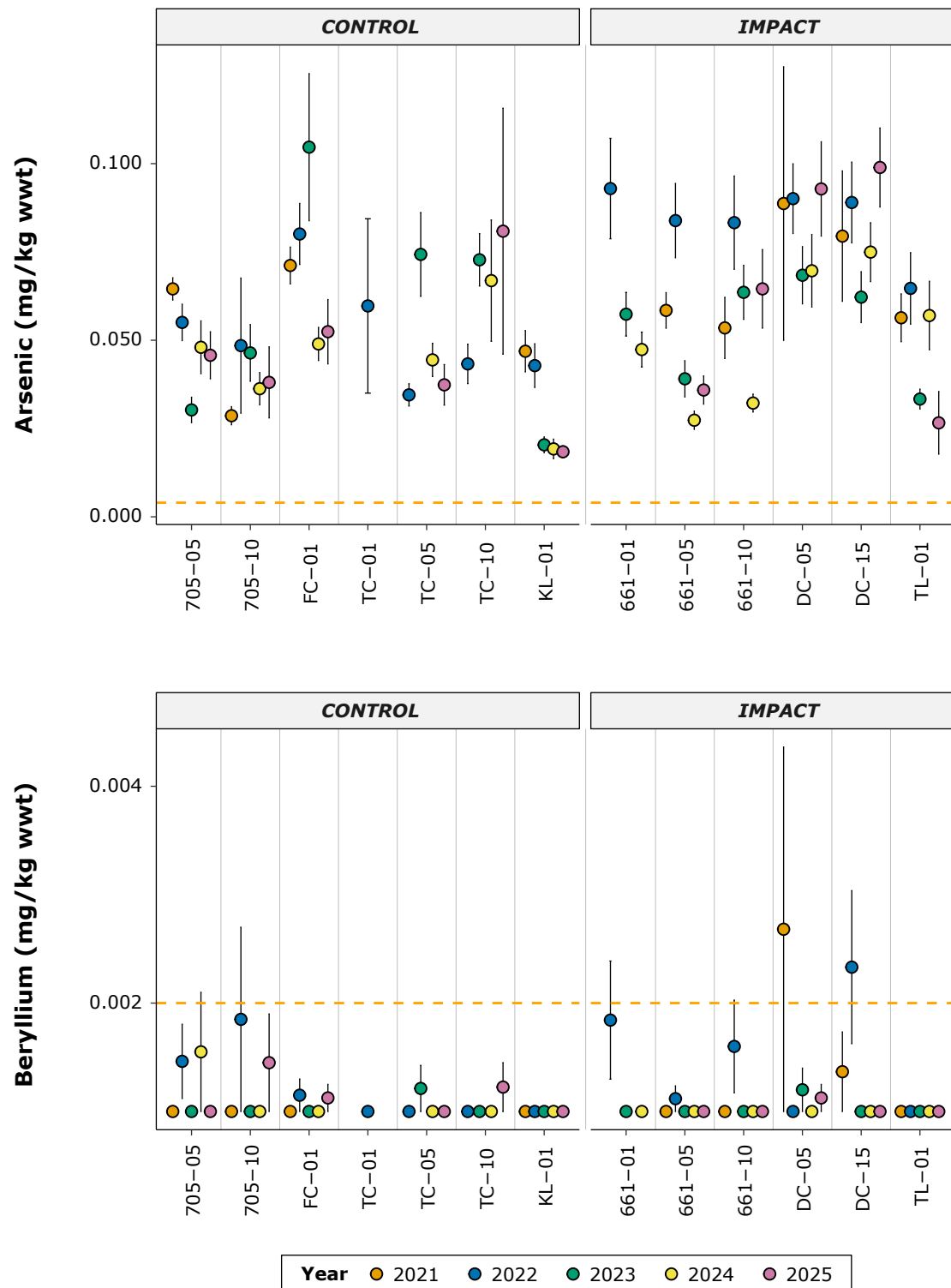
Plots of COPC Concentrations in Fish Tissues

FIGURE B.4-1 CONCENTRATION OF CONTAMINANTS OF POTENTIAL CONCERN IN WHOLE BODY (JUVENILE RAINBOW TROUT) AND IN MUSCLE (ADULT RAINBOW TROUT AND MOUNTAIN WHITEFISH) TISSUES AT CONTROL AND IMPACT SITES FOR BASELINE (2021 TO 2022), CONSTRUCTION (2023 TO 2024), AND OPERATION (2025) MONITORING PERIODS



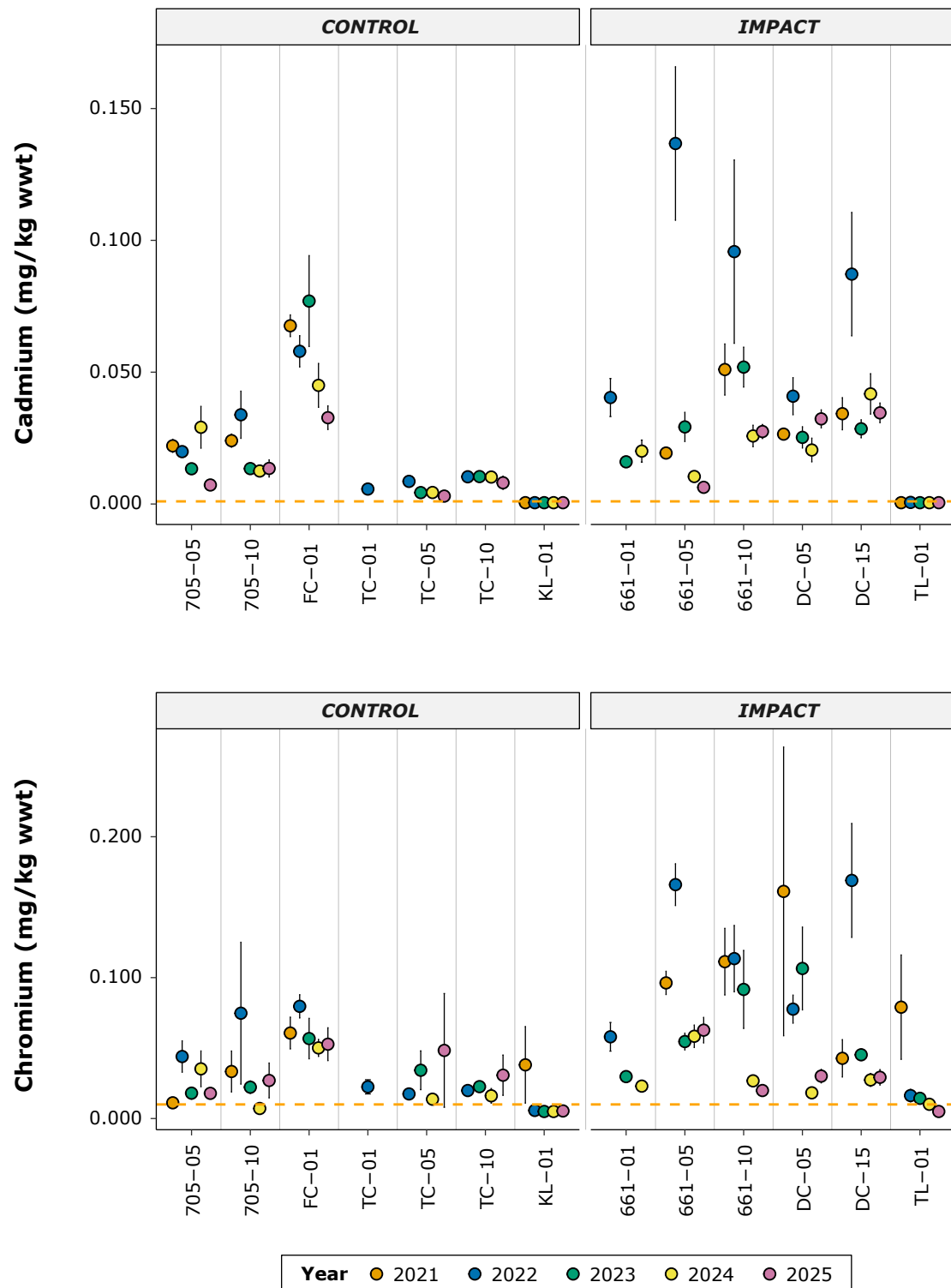
Notes: mg/kg wwt = milligram per kilogram wet weight
Dots and whiskers represent the mean and standard error of the mean.
The orange broken line represents the detection limit.
For 2023, site 661-05 also includes samples obtained for site 661-04.
Concentrations below the detection limit were plotted as half the detection limit.

FIGURE B.4-2 CONCENTRATION OF CONTAMINANTS OF POTENTIAL CONCERN IN WHOLE BODY (JUVENILE RAINBOW TROUT) AND IN MUSCLE (ADULT RAINBOW TROUT AND MOUNTAIN WHITEFISH) TISSUES AT CONTROL AND IMPACT SITES FOR BASELINE (2021 TO 2022), CONSTRUCTION (2023 TO 2024), AND OPERATION (2025) MONITORING PERIODS



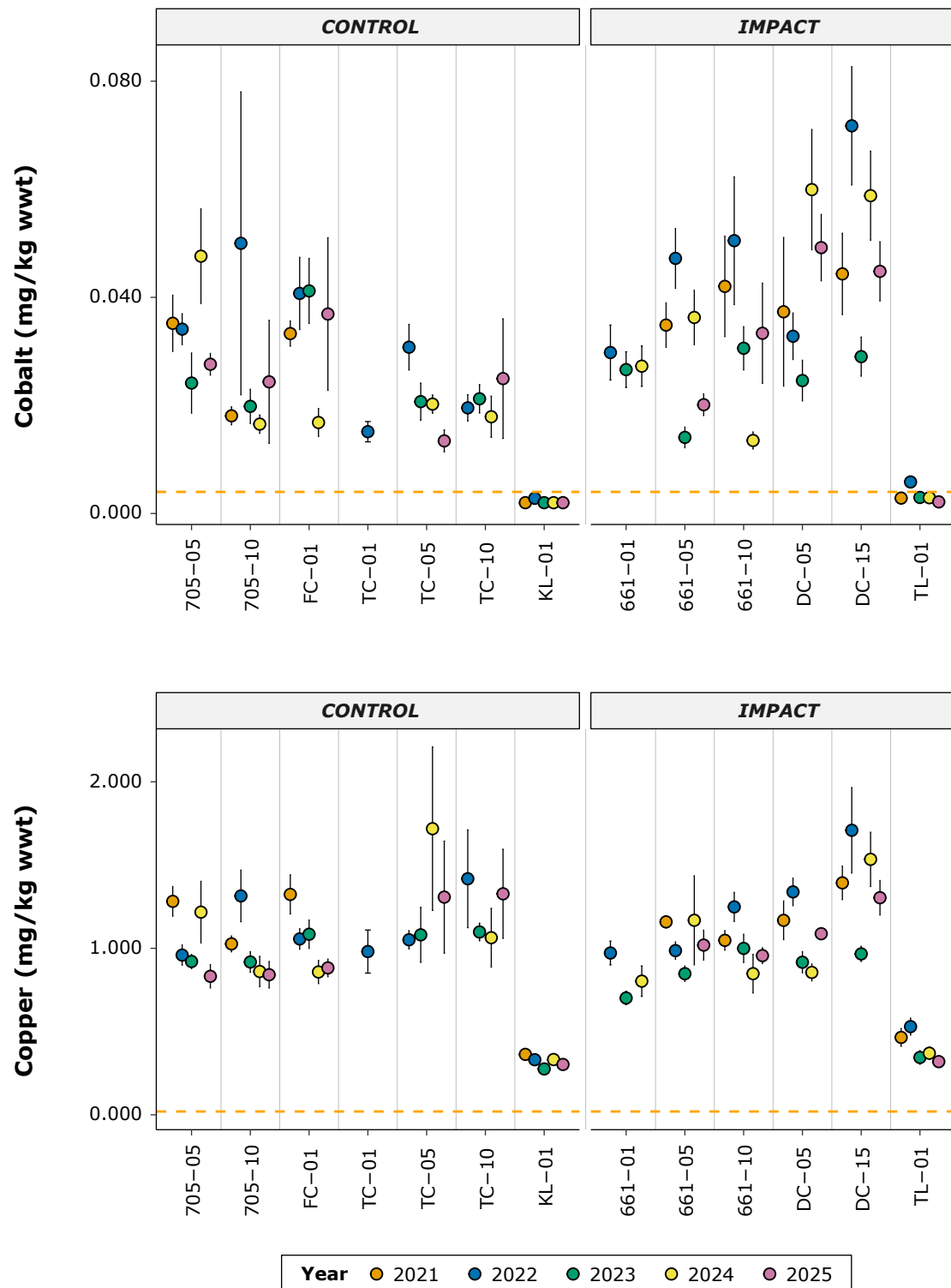
Notes: mg/kg ww = milligram per kilogram wet weight
Dots and whiskers represent the mean and standard error of the mean.
The orange broken line represents the detection limit.
For 2023, site 661-05 also includes samples obtained for site 661-04.
Concentrations below the detection limit were plotted as half the detection limit.

FIGURE B.4-3 CONCENTRATION OF CONTAMINANTS OF POTENTIAL CONCERN IN WHOLE BODY (JUVENILE RAINBOW TROUT) AND IN MUSCLE (ADULT RAINBOW TROUT AND MOUNTAIN WHITEFISH) TISSUES AT CONTROL AND IMPACT SITES FOR BASELINE (2021 TO 2022), CONSTRUCTION (2023 TO 2024), AND OPERATION (2025) MONITORING PERIODS



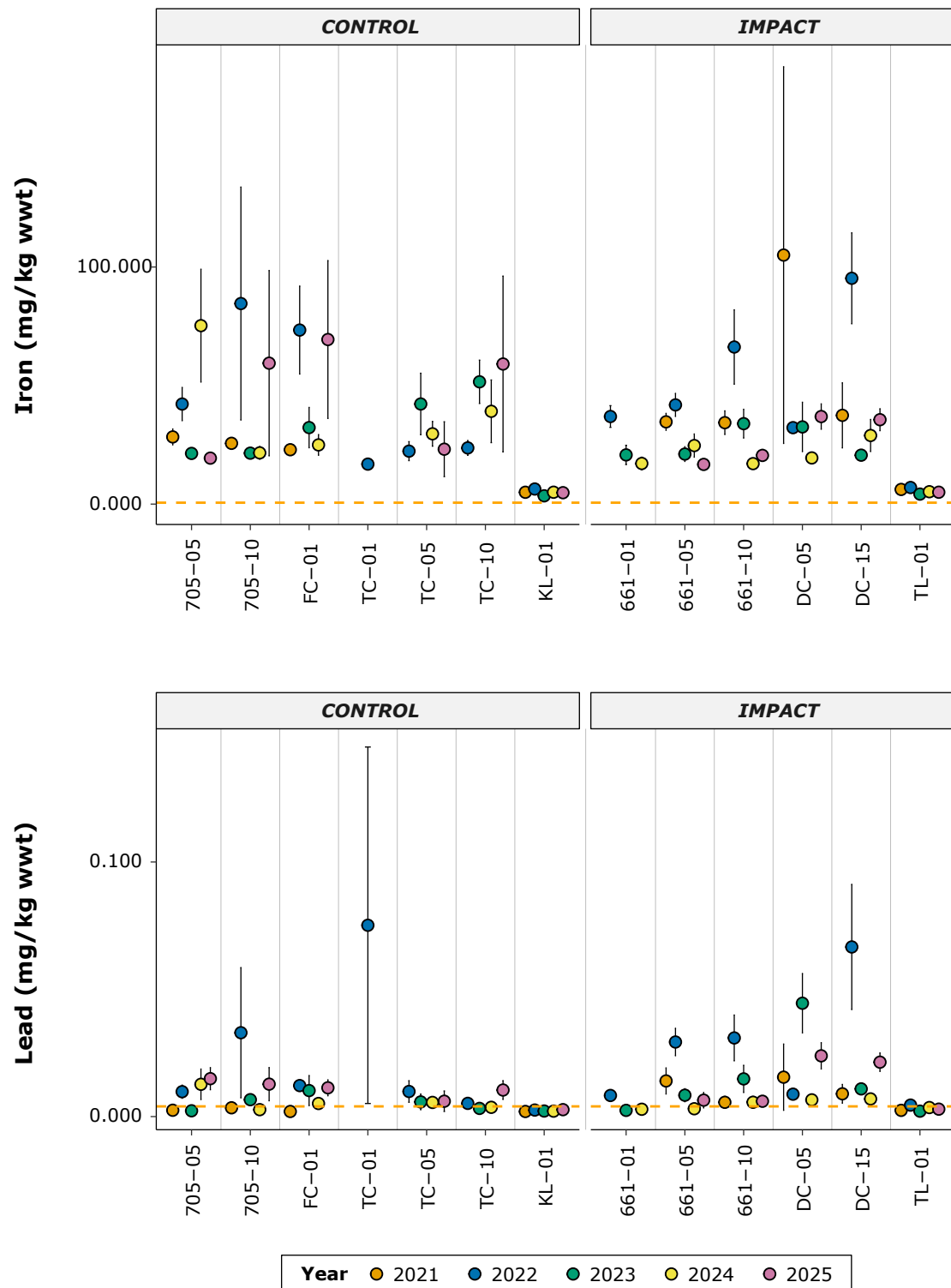
Notes: mg/kg wwt = milligram per kilogram wet weight
Dots and whiskers represent the mean and standard error of the mean.
The orange broken line represents the detection limit.
For 2023, site 661-05 also includes samples obtained for site 661-04.
Concentrations below the detection limit were plotted as half the detection limit.

FIGURE B.4-4 CONCENTRATION OF CONTAMINANTS OF POTENTIAL CONCERN IN WHOLE BODY (JUVENILE RAINBOW TROUT) AND IN MUSCLE (ADULT RAINBOW TROUT AND MOUNTAIN WHITEFISH) TISSUES AT CONTROL AND IMPACT SITES FOR BASELINE (2021 TO 2022), CONSTRUCTION (2023 TO 2024), AND OPERATION (2025) MONITORING PERIODS



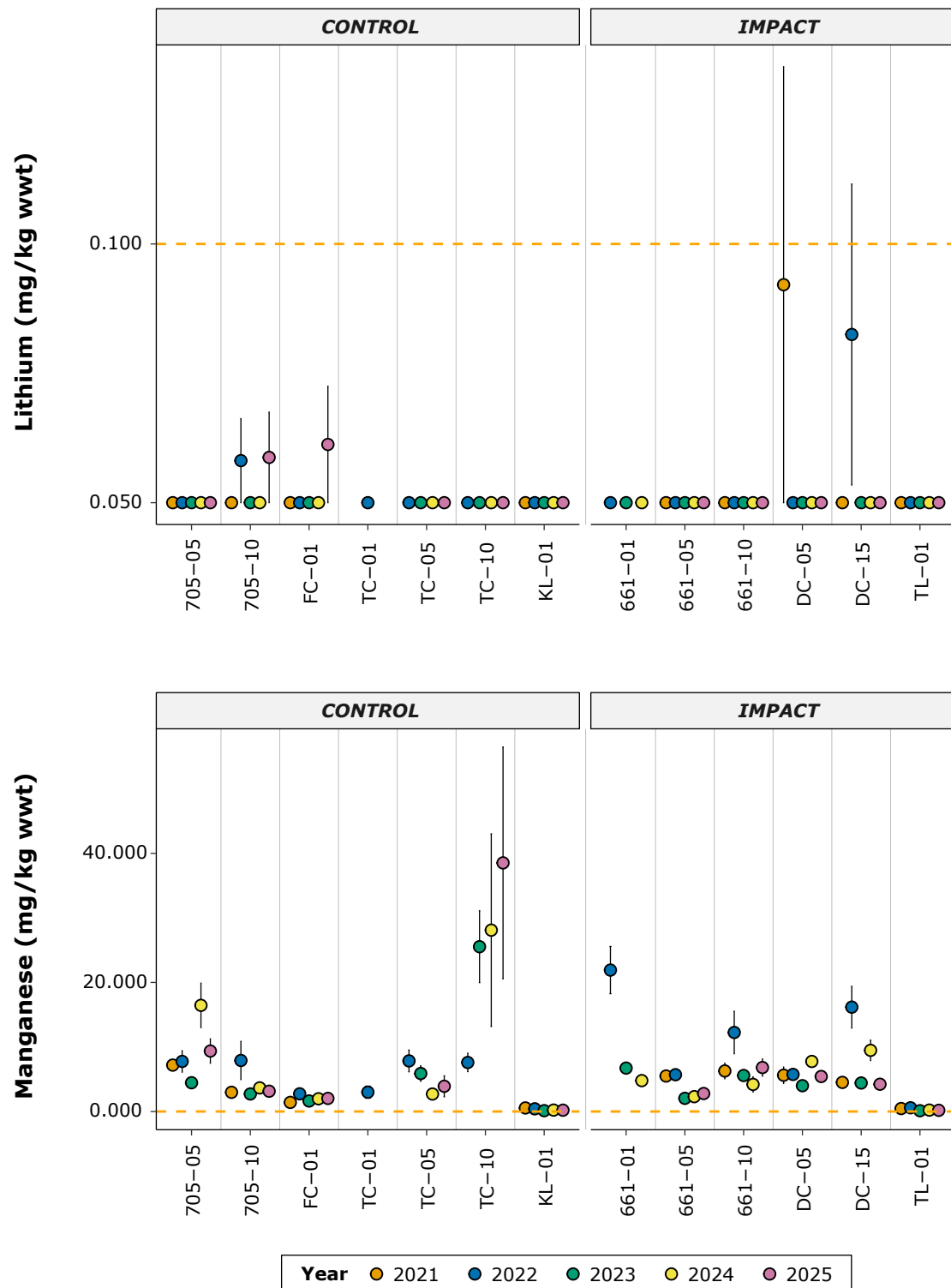
Notes: mg/kg ww = milligram per kilogram wet weight
Dots and whiskers represent the mean and standard error of the mean.
The orange broken line represents the detection limit.
For 2023, site 661-05 also includes samples obtained for site 661-04.
Concentrations below the detection limit were plotted as half the detection limit.

FIGURE B.4-5 CONCENTRATION OF CONTAMINANTS OF POTENTIAL CONCERN IN WHOLE BODY (JUVENILE RAINBOW TROUT) AND IN MUSCLE (ADULT RAINBOW TROUT AND MOUNTAIN WHITEFISH) TISSUES AT CONTROL AND IMPACT SITES FOR BASELINE (2021 TO 2022), CONSTRUCTION (2023 TO 2024), AND OPERATION (2025) MONITORING PERIODS



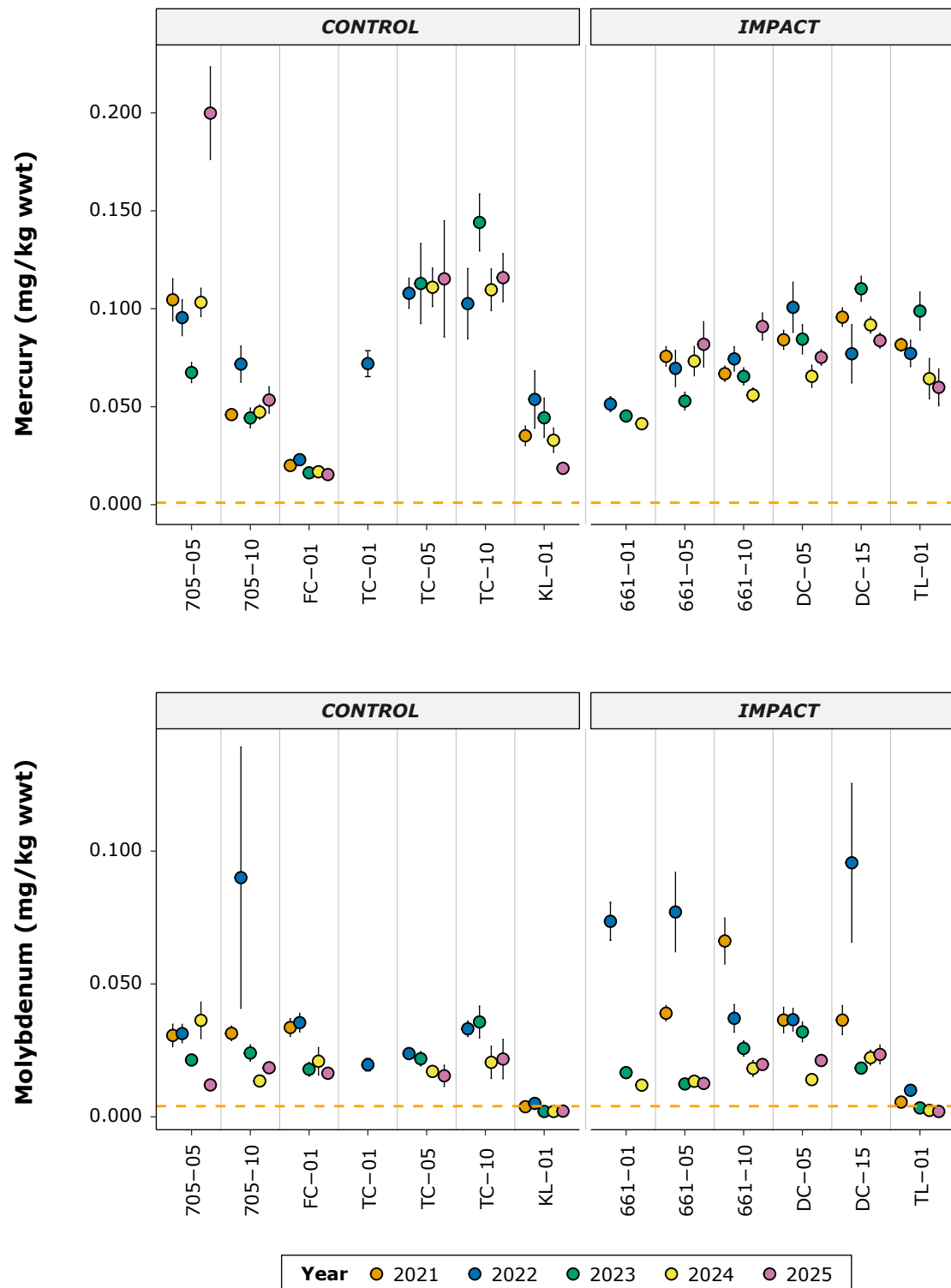
Notes: mg/kg ww = milligram per kilogram wet weight
Dots and whiskers represent the mean and standard error of the mean.
The orange broken line represents the detection limit.
For 2023, site 661-05 also includes samples obtained for site 661-04.
Concentrations below the detection limit were plotted as half the detection limit.

FIGURE B.4-6 CONCENTRATION OF CONTAMINANTS OF POTENTIAL CONCERN IN WHOLE BODY (JUVENILE RAINBOW TROUT) AND IN MUSCLE (ADULT RAINBOW TROUT AND MOUNTAIN WHITEFISH) TISSUES AT CONTROL AND IMPACT SITES FOR BASELINE (2021 TO 2022), CONSTRUCTION (2023 TO 2024), AND OPERATION (2025) MONITORING PERIODS



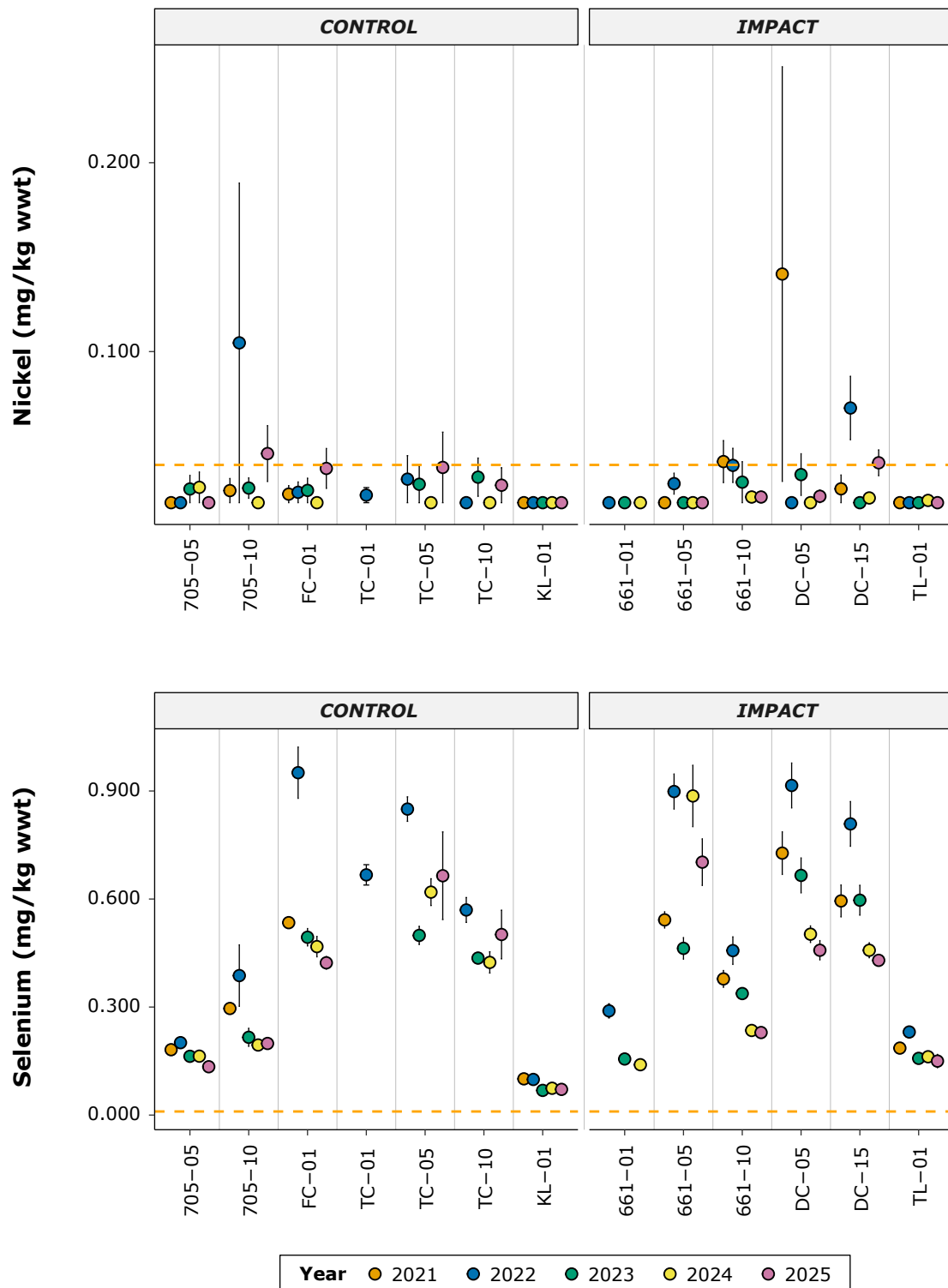
Notes: mg/kg ww = milligram per kilogram wet weight
Dots and whiskers represent the mean and standard error of the mean.
The orange broken line represents the detection limit.
For 2023, site 661-05 also includes samples obtained for site 661-04.
Concentrations below the detection limit were plotted as half the detection limit.

FIGURE B.4-7 CONCENTRATION OF CONTAMINANTS OF POTENTIAL CONCERN IN WHOLE BODY (JUVENILE RAINBOW TROUT) AND IN MUSCLE (ADULT RAINBOW TROUT AND MOUNTAIN WHITEFISH) TISSUES AT CONTROL AND IMPACT SITES FOR BASELINE (2021 TO 2022), CONSTRUCTION (2023 TO 2024), AND OPERATION (2025) MONITORING PERIODS



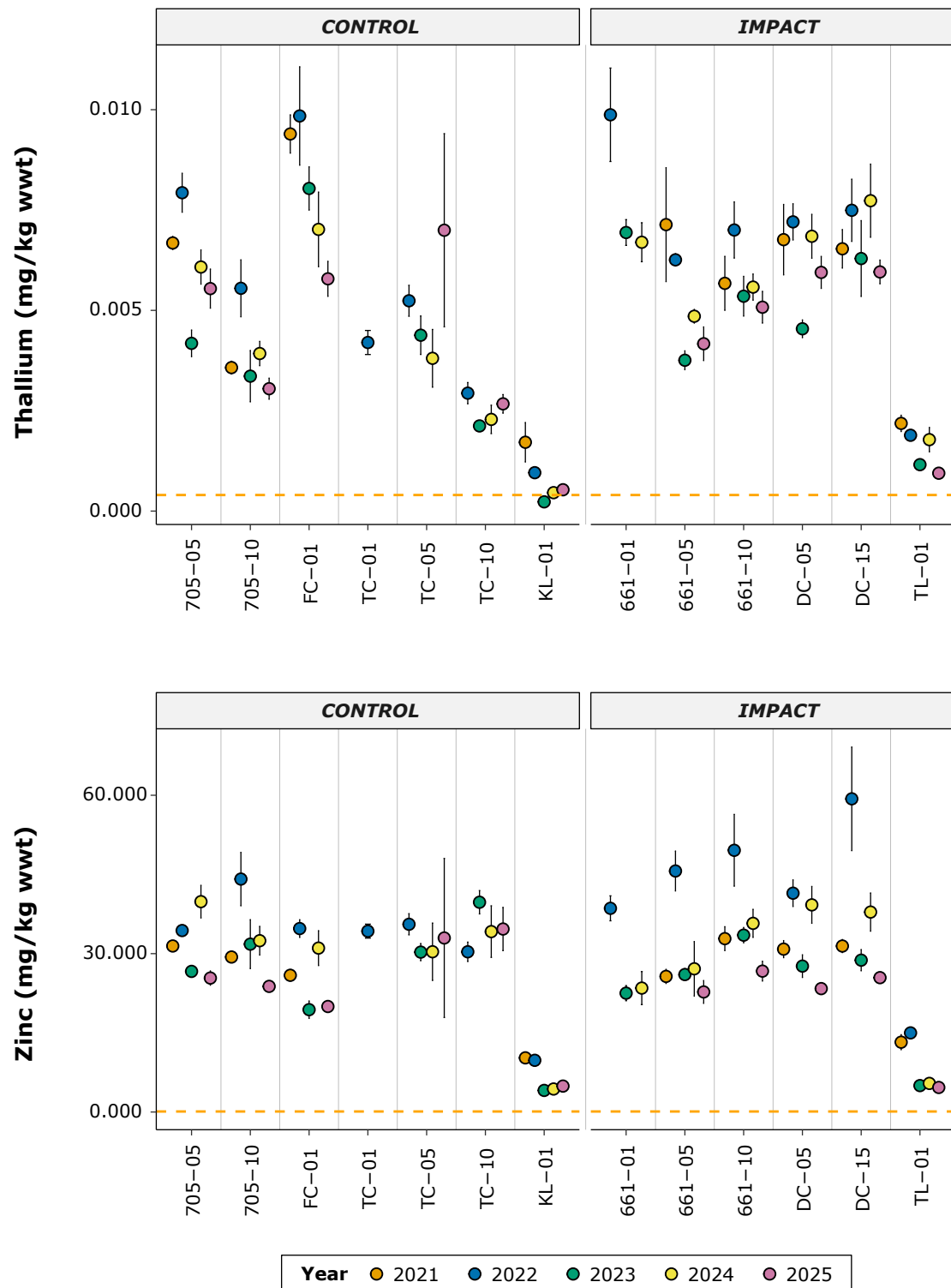
Notes: mg/kg ww = milligram per kilogram wet weight
Dots and whiskers represent the mean and standard error of the mean.
The orange broken line represents the detection limit.
For 2023, site 661-05 also includes samples obtained for site 661-04.
Concentrations below the detection limit were plotted as half the detection limit.

FIGURE B.4-8 CONCENTRATION OF CONTAMINANTS OF POTENTIAL CONCERN IN WHOLE BODY (JUVENILE RAINBOW TROUT) AND IN MUSCLE (ADULT RAINBOW TROUT AND MOUNTAIN WHITEFISH) TISSUES AT CONTROL AND IMPACT SITES FOR BASELINE (2021 TO 2022), CONSTRUCTION (2023 TO 2024), AND OPERATION (2025) MONITORING PERIODS



Notes: mg/kg wwwt = milligram per kilogram wet weight
Dots and whiskers represent the mean and standard error of the mean.
The orange broken line represents the detection limit.
For 2023, site 661-05 also includes samples obtained for site 661-04.
Concentrations below the detection limit were plotted as half the detection limit.

FIGURE B.4-9 CONCENTRATION OF CONTAMINANTS OF POTENTIAL CONCERN IN WHOLE BODY (JUVENILE RAINBOW TROUT) AND IN MUSCLE (ADULT RAINBOW TROUT AND MOUNTAIN WHITEFISH) TISSUES AT CONTROL AND IMPACT SITES FOR BASELINE (2021 TO 2022), CONSTRUCTION (2023 TO 2024), AND OPERATION (2025) MONITORING PERIODS



Notes: mg/kg wwwt = milligram per kilogram wet weight
Dots and whiskers represent the mean and standard error of the mean.
The orange broken line represents the detection limit.
For 2023, site 661-05 also includes samples obtained for site 661-04.
Concentrations below the detection limit were plotted as half the detection limit.

Appendix B.5 Summary Statistics for 2025 COPC Concentrations in Fish Tissues

APPENDIX B.5-1: SUMMARY STATISTICS OF COPC CONCENTRATIONS IN FISH TISSUES AT CONTROL SITES, 2025

COPC	Minimum DL	n > DL	% > DL	Summary Statistics of COPC Concentrations in Fish Tissues, Control Sites ^a (n = 51; mg/kg ww)							
				Minimum	Mean	SD	SE	95% UCLM	Median	P95	Maximum
Aluminum	0.4	45	88.2	< 0.40	12.6	2.57	32.5	4.54	21.7	94.9	150
Antimony	0.002	6	11.8	< 0.0020	0.001	0.0010	0.001	0	0.001	0.0031	0.0041
Arsenic	0.004	51	100	0.0081	0.042	0.030	0.046	0.006	0.055	0.086	0.32
Beryllium	0.002	3	5.9	< 0.0020	0.001	0.0010	0.001	0	0.001	0.0015	0.0046
Cadmium	0.001	35	68.6	< 0.0010	0.01	0.0062	0.013	0.002	0.014	0.035	0.0602
Chromium	0.01	33	64.7	< 0.010	0.025	0.012	0.032	0.005	0.034	0.12	0.13
Cobalt	0.004	35	68.6	< 0.0040	0.019	0.013	0.026	0.004	0.027	0.077	0.13
Copper	0.02	51	100	0.21	0.78	0.76	0.503	0.07	0.92	1.45	3.03
Iron	0.6	51	100	3.33	35.4	16.9	72.3	10.1	55.7	201	333
Lead	0.004	32	62.7	< 0.0040	0.009	0.0055	0.011	0.002	0.012	0.031	0.058
Lithium	0.1	2	3.9	< 0.10	0.053	0.050	0.016	0.002	0.058	0.050	0.14
Manganese	0.01	51	100	0.122	8.62	2.20	23.3	3.3	15.2	26.2	159
Mercury	0.001	51	100	0.0067	0.073	0.040	0.074	0.01	0.094	0.22	0.33
Molybdenum	0.004	36	70.6	< 0.0040	0.012	0.012	0.011	0.002	0.016	0.025	0.0729
Nickel	0.04	8	15.7	< 0.040	0.029	0.020	0.025	0.003	0.036	0.085	0.14
Selenium	0.01	51	100	0.048	0.26	0.17	0.21	0.03	0.32	0.54	0.94
Thallium	0.0004	47	92.2	< 0.00040	0.0030	0.0028	0.0030	0	0.0040	0.0072	0.012
Zinc	0.1	51	100	3.28	19.8	21.0	13.19	1.85	23.5	39.3	63.1

Notes:

95% UCLM = 95% upper confidence limit of the mean; COPC = contaminant of potential concern; DL = detection limit; mg/kg ww = milligrams per kilogram wet weight; n = number of samples; P95 = 95th percentile; SD = standard deviation; SE = standard error of the mean

n > DL = Number of samples with concentration greater than the DL; % > DL = Percent of samples with concentration greater than the DL

Data collected between January 1, 2025 and December 31, 2025 were included in the calculation of summary statistics.

Concentrations measured to be less than the DL were replaced with concentrations of 0.5 x DL for the purpose of calculating summary statistics.

"-" means that summary statistics, other than minimum and maximum, have not been calculated as less than 30% of samples were above DL.

^a Sites: 705-05, 705-10, FC-01, TC-05, TC-10, KL-01

APPENDIX B.5-2: SUMMARY STATISTICS FOR COPC CONCENTRATIONS IN FISH TISSUES AT ALL SITES WITHIN STUDY AREA, 2025

COPC	Minimum DL	n > DL	% > DL	Summary Statistics of COPC Concentrations in Fish Tissues, All Sites within Study Area ^a (n = 98; mg/kg ww)							
				Minimum	Mean	SD	SE	95% UCLM	Median	P95	Maximum
Aluminum	0.4	45	88.2	< 0.40	12.6	2.57	32.5	4.54	21.7	94.9	150
Antimony	0.002	6	11.8	< 0.0020	0.0010	0.0010	0.0010	0	0.0010	0.0031	0.0041
Arsenic	0.004	51	100	0.0081	0.042	0.030	0.046	0.0060	0.055	0.086	0.32
Beryllium	0.002	3	5.9	< 0.0020	0.0010	0.0010	0.0010	0	0.0010	0.0015	0.0046
Cadmium	0.001	35	68.6	< 0.0010	0.010	0.0062	0.013	0.0020	0.014	0.035	0.060
Chromium	0.01	33	64.7	< 0.010	0.025	0.012	0.032	0.0050	0.034	0.12	0.13
Cobalt	0.004	35	68.6	< 0.0040	0.019	0.013	0.026	0.0040	0.027	0.077	0.13
Copper	0.02	51	100	0.21	0.78	0.76	0.50	0.070	0.92	1.45	3.03
Iron	0.6	51	100	3.33	35.4	16.9	72.3	10.1	55.7	201	333
Lead	0.004	32	62.7	< 0.0040	0.0090	0.0055	0.011	0.0020	0.012	0.031	0.058
Lithium	0.1	2	3.9	< 0.10	0.053	0.050	0.016	0.0020	0.058	0.050	0.14
Manganese	0.01	51	100	0.122	8.62	2.20	23.3	3.27	15.2	26.2	159
Mercury	0.001	51	100	0.0067	0.073	0.040	0.074	0.010	0.094	0.22	0.33
Molybdenum	0.004	36	70.6	< 0.0040	0.012	0.012	0.011	0.0020	0.016	0.025	0.073
Nickel	0.04	8	15.7	< 0.040	0.029	0.020	0.025	0.0030	0.036	0.085	0.14
Selenium	0.01	51	100	0.048	0.26	0.17	0.21	0.030	0.32	0.54	0.94
Thallium	0.0004	47	92.2	< 0.00040	0.0030	0.0028	0.0030	0	0.0040	0.0072	0.012
Zinc	0.1	51	100	3.28	19.8	21.0	13.2	1.85	23.5	39.3	63.1

Notes:

95% UCLM = 95% upper confidence limit of the mean; COPC = contaminant of potential concern; DL = detection limit; mg/kg ww = milligrams per kilogram wet weight; n = number of samples; P95 = 95th percentile; SD = standard deviation; SE = standard error of the mean

n > DL = Number of samples with concentration greater than the DL; % > DL = Percent of samples with concentration greater than the DL

Data collected between January 1, 2025 and December 31, 2025 were included in the calculation of summary statistics.

Concentrations measured to be less than the DL were replaced with concentrations of 0.5 x DL for the purpose of calculating summary statistics.

"-" means that summary statistics, other than minimum and maximum, have not been calculated as less than 30% of samples were above DL.

^a Sites: 661-05, 661-10, 705-05, 705-10, DC-05, DC-15, FC-01, TC-05, TC-10, KL-01, TL-01

APPENDIX C SURFACE WATER QUALITY DATA— QUALITY ASSURANCE AND QUALITY CONTROL, BLACKWATER MINE, 2025

Appendix C.1	Surface Water Quality Results for Equipment, Field, and Travel Blanks
Appendix C.2	Relative Percent Difference Results for Stream Water Quality Samples
Appendix C.3	Relative Percent Difference Results for Lake Water Quality Samples

Appendix C.1 Surface Water Quality Results for Equipment, Field, and Travel Blanks

APPENDIX C.1: SURFACE WATER QUALITY RESULTS FOR EQUIPMENT, FIELD, AND TRAVEL BLANKS

QA/QC	Laboratory ID	Date	Physical Tests									Anions and Nutrients				
			pH	Total Suspended Solids	Total Dissolved Solids	Conductivity	Turbidity	Acidity (as CaCO ₃)	Alkalinity, Total (as CaCO ₃)	Hardness (as CaCO ₃), Total	Hardness (as CaCO ₃), Dissolved	Bromide (Br)	Chloride (Cl)	Fluoride (F)	Sulfate (SO ₄)	Total Kjeldahl Nitrogen
			pH units	mg/L	mg/L	µS/cm	NTU	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Equipment Blank	VA25A3595-007	2025-02-10	5.60	<3.0	<10	<2.0	<0.10	2.3	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25B2601-008	2025-05-27	5.51	<3.0	<10	<2.0	<0.10	2.1	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25B8201-001	2025-07-22	5.68	<3.0	<10	<2.0	<0.10	2	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25C5037-006	2025-09-18	5.53	<3.0	<10	<2.0	<0.10	<2.0	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25C7416-008	2025-10-13	5.49	<3.0	<10	<2.0	<0.10	<2.0	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
Field Blank	VA25A0356-005	2025-01-06	5.49	<3.0	<10	<2.0	<0.10	2.1	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25A0824-002	2025-01-12	5.47	<3.0	<10	<2.0	<0.10	2.4	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25A1481-006	2025-01-20	5.41	<3.0	<10	<2.0	<0.10	2.6	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25A1845-007	2025-01-26	5.57	<3.0	<10	<2.0	<0.10	2.0	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25A2544-006	2025-02-03	5.21	<3.0	<10	<2.0	<0.10	2.1	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25A3507-006	2025-02-17	5.41	<3.0	<10	<2.0	<0.10	<2.0	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25A4183-005	2025-02-24	5.30	<3.0	<10	<2.0	<0.10	2.1	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25A4598-005	2025-02-28	5.37	<3.0	<10	<2.0	<0.10	<2.0	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25A5321-003	2025-03-05	5.33	<3.0	<10	<2.0	<0.10	2.0	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25A5268-004	2025-03-09	5.58	<3.0	<10	<2.0	<0.10	2.1	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25A6295-003	2025-03-19	5.34	<3.0	<10	<2.0	<0.10	2.0	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25A6706-003	2025-03-25	5.21	<3.0	<10	<2.0	<0.10	2.0	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25A7634-003	2025-04-03	5.35	<3.0	<10	<2.0	<0.10	2.1	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25A8058-007	2025-04-09	5.37	<3.0	<10	<2.0	<0.10	2.1	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25A8451-003	2025-04-14	5.38	<3.0	<10	<2.0	<0.10	2.0	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25B0611-004	2025-05-06	5.30	<3.0	<10	<2.0	<0.10	2.0	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25B1094-004	2025-05-12	5.41	<3.0	<10	<2.0	<0.10	2.0	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25B1312-006	2025-05-13	5.14	<3.0	<10	<2.0	<0.10	2.0	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25B1721-007	2025-05-19	5.65	<3.0	<10	<2.0	<0.10	<2.0	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25B2427-006	2025-05-26	5.53	<3.0	<10	<2.0	<0.10	2.0	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25B2953-008	2025-06-01	5.58	<3.0	<10	<2.0	<0.10	2.0	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25B5784-002	2025-06-25	5.36	<3.0	<10	<2.0	<0.10	2.1	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25B6834-009	2025-07-07	5.34	<3.0	<10	<2.0	<0.10	<2.0	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25B7192-004	2025-07-13	5.37	<3.0	<10	<2.0	<0.10	2	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25B8201-008	2025-07-22	5.69	<3.0	<10	<2.0	<0.10	2	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25B9374-004	2025-08-03	5.34	<3.0	<10	<2.0	<0.10	<2.0	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25C0017-005	2025-08-10	5.67	<3.0	<10	<2.0	<0.10	<2.0	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25C3699-004	2025-09-09	5.42	<3.0	<10	<2.0	<0.10	2	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25C4967-010	2025-09-17	5.33	<3.0	<10	<2.0	<0.10	<2.0	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25C6737-004	2025-10-05	5.68	<3.0	<10	<2.0	<0.10	2	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25C7416-013	2025-10-13	5.52	<3.0	<10	<2.0	<0.10	<2.0	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25C8047-005	2025-10-18	5.62	<3.0	<10	<2.0	<0.10	2	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25C8919-010	2025-10-26	5.55	<3.0	<10	<2.0	<0.10	<2.0	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25C9101-006	2025-10-29	5.67	<3.0	<10	<2.0	<0.10	<2.0	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25C9690-005	2025-11-03	5.4	<3.0	<10	<2.0	<0.10	2	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25D1976-009	2025-11-26	5.32	<3.0	<10	<2.0	<0.10	2.2	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25D3210-004	2025-12-09	5.35	<3.0	<10	<2.0	<0.10	2	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25D3435-003	2025-12-12	5.37	<3.0	<10	<2.0	<0.10	2.1	1.4	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25D3939-005	2025-12-17	5.42	<3.0	<10	<2.0	<0.10	2.1	1.2	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25D4214-004	2025-12-26	6.14	<3.0	<10	<2.0	<0.10	2.1	1.3	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050

APPENDIX C.1: SURFACE WATER QUALITY RESULTS FOR EQUIPMENT, FIELD, AND TRAVEL BLANKS

QA/QC	Laboratory ID	Date	Physical Tests									Anions and Nutrients				
			pH	Total Suspended Solids	Total Dissolved Solids	Conductivity	Turbidity	Acidity (as CaCO ₃)	Alkalinity, Total (as CaCO ₃)	Hardness (as CaCO ₃), Total	Hardness (as CaCO ₃), Dissolved	Bromide (Br)	Chloride (Cl)	Fluoride (F)	Sulfate (SO ₄)	Total Kjeldahl Nitrogen
			pH units	mg/L	mg/L	µS/cm	NTU	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Travel Blank	VA25A0356-006	2025-01-06	5.28	<3.0	<10	<2.0	<0.10	2.1	<1.0	-	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25A0964-005	2025-01-13	5.44	<3.0	<10	<2.0	<0.10	2.0	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25A1670-001	2025-01-21	5.34	<3.0	<10	<2.0	<0.10	2.4	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25A1845-008	2025-01-26	5.54	<3.0	<10	<2.0	<0.10	2.1	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25A2777-005	2025-02-05	5.31	<3.0	<10	<2.0	<0.10	2.1	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25A3507-007	2025-02-17	5.31	<3.0	<10	<2.0	<0.10	<2.0	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25A4183-006	2025-02-24	5.22	<3.0	<10	<2.0	<0.10	2.2	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25A4598-006	2025-02-28	5.21	<3.0	<10	<2.0	<0.10	2.0	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25A5321-004	2025-03-05	5.28	<3.0	<10	<2.0	<0.10	2.0	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25A5560-005	2025-03-11	5.75	<3.0	<10	<2.0	<0.10	<2.0	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25A6295-004	2025-03-19	5.32	<3.0	<10	<2.0	<0.10	<2.0	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25A6706-006	2025-03-25	5.28	<3.0	<10	<2.0	<0.10	<2.0	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25A7611-007	2025-04-04	5.49	<3.0	<10	<2.0	<0.10	2.0	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25A8257-003	2025-04-10	5.52	<3.0	<10	<2.0	<0.10	<2.0	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25A8451-004	2025-04-14	5.41	<3.0	<10	<2.0	<0.10	2.1	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25A9690-003	2025-04-27	5.33	<3.0	<10	<2.0	<0.10	2.0	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25B0611-005	2025-05-06	5.25	<3.0	<10	<2.0	<0.10	<2.0	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25B1094-005	2025-05-12	5.34	<3.0	<10	<2.0	<0.10	2.0	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25B1312-007	2025-05-13	5.07	<3.0	<10	<2.0	<0.10	2.0	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25B1721-008	2025-05-19	5.58	<3.0	<10	<2.0	<0.10	2.0	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25B2601-007	2025-05-27	5.57	<3.0	<10	<2.0	<0.10	<2.0	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25B2953-007	2025-06-01	5.60	<3.0	<10	<2.0	<0.10	2.0	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25B3822-006	2025-06-02	5.43	<3.0	<10	<2.0	<0.10	2.0	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25B5932-004	2025-06-28	5.27	<3.0	<10	<2.0	<0.10	2.1	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25B5984-004	2025-06-29	5.13	<3.0	<10	<2.0	<0.10	<2.0	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25B6834-008	2025-07-07	5.39	<3.0	<10	<2.0	<0.10	<2.0	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25B7192-005	2025-07-13	5.3	<3.0	<10	<2.0	<0.10	2	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25B8201-009	2025-07-22	5.56	<3.0	<10	<2.0	<0.10	<2.0	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25B9374-005	2025-08-03	5.28	<3.0	<10	<2.0	<0.10	2	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25C0017-006	2025-08-10	5.59	<3.0	<10	<2.0	<0.10	2	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25C3886-002	2025-09-10	5.72	<3.0	<10	<2.0	<0.10	<2.0	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25C4972-003	2025-09-20	5.24	<3.0	<10	<2.0	<0.10	2	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25C5489-004	2025-09-23	6.06	<3.0	<10	<2.0	<0.10	2	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25C6737-005	2025-10-05	5.53	<3.0	<10	<2.0	<0.10	2.1	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25C7563-009	2025-10-14	5.33	<3.0	<10	<2.0	<0.10	<2.0	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25C8358-008	2025-10-20	5.21	<3.0	<10	<2.0	<0.10	<2.0	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25C8919-011	2025-10-26	5.65	<3.0	<10	<2.0	<0.10	2.1	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25C9101-007	2025-10-29	5.49	<3.0	<10	<2.0	<0.10	2	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25C9690-006	2025-11-03	5.37	<3.0	<10	<2.0	<0.10	2	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25D1976-010	2025-11-26	5.88	<3.0	<10	<2.0	<0.10	2.2	1	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25D3210-005	2025-12-10	5.25	<3.0	<10	<2.0	<0.10	2	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25D3435-004	2025-12-13	5.32	<3.0	<10	<2.0	<0.10	<2.0	<1.0	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25D3939-004	2025-12-17	5.33	<3.0	<10	<2.0	<0.10	2	1.1	<0.60	-	<0.050	<0.50	<0.020	<0.30	<0.050
	VA25D4214-005	2025-12-26	5.4	<3.0	<10	<2.0	<0.10	2.3	<1.0	<0.60	<0.60	<0.050	<0.50	<0.020	<0.30	<0.050

Notes:
"<" indicates value was below the detection limit.
"- " indicates parameter was not analyzed.
Gray shading indicates value was equal to or greater than detection limit.

APPENDIX C.1: SURFACE WATER QUALITY RESULTS FOR EQUIPMENT, FIELD, AND TRAVEL BLANKS

QA/QC	Laboratory ID	Date	Anions and Nutrients (<i>cont'd</i>)					Cyanides			Organic / Inorganic Carbon		Total Metals		
			Ammonia, Total (as N)	Nitrate (as N)	Nitrite (as N)	Orthophosphate- Dissolved (as P)	Total Phosphate (as P)	Cyanide, Strong Acid Dissociable	Cyanide, Weak Acid Dissociable	Thiocyanate	Total Organic Carbon	Dissolved Organic Carbon	Aluminum (Al)	Antimony (Sb)	Arsenic (As)
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Equipment Blank	VA25A3595-007	2025-02-10	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25B2601-008	2025-05-27	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25B8201-001	2025-07-22	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	0.0034	<0.00010	<0.00010
	VA25C5037-006	2025-09-18	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25C7416-008	2025-10-13	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
Field Blank	VA25A0356-005	2025-01-06	0.0100	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25A0824-002	2025-01-12	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25A1481-006	2025-01-20	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25A1845-007	2025-01-26	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25A2544-006	2025-02-03	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25A3507-006	2025-02-17	0.0068	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25A4183-005	2025-02-24	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25A4598-005	2025-02-28	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25A5321-003	2025-03-05	0.0058	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25A5268-004	2025-03-09	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25A6295-003	2025-03-19	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25A6706-003	2025-03-25	0.0076	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	0.57	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25A7634-003	2025-04-03	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25A8058-007	2025-04-09	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25A8451-003	2025-04-14	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25B0611-004	2025-05-06	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25B1094-004	2025-05-12	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25B1312-006	2025-05-13	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25B1721-007	2025-05-19	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25B2427-006	2025-05-26	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25B2953-008	2025-06-01	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25B5784-002	2025-06-25	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25B6834-009	2025-07-07	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25B7192-004	2025-07-13	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25B8201-008	2025-07-22	0.0065	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25B9374-004	2025-08-03	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25C0017-005	2025-08-10	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25C3699-004	2025-09-09	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25C4967-010	2025-09-17	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25C6737-004	2025-10-05	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25C7416-013	2025-10-13	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25C8047-005	2025-10-18	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25C8919-010	2025-10-26	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25C9101-006	2025-10-29	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25C9690-005	2025-11-03	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25D1976-009	2025-11-26	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25D3210-004	2025-12-09	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25D3435-003	2025-12-12	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25D3939-005	2025-12-17	0.0081	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25D4214-004	2025-12-26	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010

APPENDIX C.1: SURFACE WATER QUALITY RESULTS FOR EQUIPMENT, FIELD, AND TRAVEL BLANKS

QA/QC	Laboratory ID	Date	Anions and Nutrients (<i>cont'd</i>)					Cyanides			Organic / Inorganic Carbon		Total Metals		
			Ammonia, Total (as N)	Nitrate (as N)	Nitrite (as N)	Orthophosphate- Dissolved (as P)	Total Phosphate (as P)	Cyanide, Strong Acid Dissociable	Cyanide, Weak Acid Dissociable	Thiocyanate	Total Organic Carbon	Dissolved Organic Carbon	Aluminum (Al)	Antimony (Sb)	Arsenic (As)
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Travel Blank	VA25A0356-006	2025-01-06	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	-	-	-	-
	VA25A0964-005	2025-01-13	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	-	<0.0030	<0.00010	<0.00010
	VA25A1670-001	2025-01-21	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	-	<0.0030	<0.00010	<0.00010
	VA25A1845-008	2025-01-26	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	-	<0.0030	<0.00010	<0.00010
	VA25A2777-005	2025-02-05	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	-	<0.0030	<0.00010	<0.00010
	VA25A3507-007	2025-02-17	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	-	<0.0030	<0.00010	<0.00010
	VA25A4183-006	2025-02-24	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	-	<0.50	-	<0.0030	<0.00010	<0.00010
	VA25A4598-006	2025-02-28	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	-	<0.0030	<0.00010	<0.00010
	VA25A5321-004	2025-03-05	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	-	<0.0030	<0.00010	<0.00010
	VA25A5560-005	2025-03-11	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	-	<0.0030	<0.00010	<0.00010
	VA25A6295-004	2025-03-19	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	-	<0.0030	<0.00010	<0.00010
	VA25A6706-006	2025-03-25	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	0.53	<0.50	-	<0.0030	<0.00010	<0.00010
	VA25A7611-007	2025-04-04	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	-	<0.0030	<0.00010	<0.00010
	VA25A8257-003	2025-04-10	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	-	<0.0030	<0.00010	<0.00010
	VA25A8451-004	2025-04-14	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	-	<0.0030	<0.00010	<0.00010
	VA25A9690-003	2025-04-27	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	-	<0.0030	<0.00010	<0.00010
	VA25B0611-005	2025-05-06	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	-	<0.0030	<0.00010	<0.00010
	VA25B1094-005	2025-05-12	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	-	<0.0030	<0.00010	<0.00010
	VA25B1312-007	2025-05-13	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25B1721-008	2025-05-19	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	-	<0.0030	<0.00010	<0.00010
	VA25B2601-007	2025-05-27	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	-	<0.0030	<0.00010	<0.00010
	VA25B2953-007	2025-06-01	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	-	<0.0030	<0.00010	<0.00010
	VA25B3822-006	2025-06-02	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	-	<0.0030	<0.00010	<0.00010
	VA25B5932-004	2025-06-28	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	-	<0.0030	<0.00010	<0.00010
	VA25B5984-004	2025-06-29	<0.0050	<0.0050	<0.0010	-	<0.0020	<0.0050	<0.0050	<0.50	<0.50	-	<0.0030	<0.00010	<0.00010
	VA25B6834-008	2025-07-07	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25B7192-005	2025-07-13	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25B8201-009	2025-07-22	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	-	<0.0030	<0.00010	<0.00010
	VA25B9374-005	2025-08-03	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	-	<0.0030	<0.00010	<0.00010
	VA25C0017-006	2025-08-10	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	-	<0.0030	<0.00010	<0.00010
	VA25C3886-002	2025-09-10	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25C4972-003	2025-09-20	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	-	<0.0030	<0.00010	<0.00010
	VA25C5489-004	2025-09-23	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	-	<0.0030	<0.00010	<0.00010
	VA25C6737-005	2025-10-05	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25C7563-009	2025-10-14	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	-	<0.0030	<0.00010	<0.00010
	VA25C8358-008	2025-10-20	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	-	<0.0030	<0.00010	<0.00010
	VA25C8919-011	2025-10-26	<0.0050	<0.0050	0.0011	<0.0010	<0.0020	-	-	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25C9101-007	2025-10-29	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25C9690-006	2025-11-03	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	-	<0.0030	<0.00010	<0.00010
	VA25D1976-010	2025-11-26	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010
	VA25D3210-005	2025-12-10	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	-	<0.0030	<0.00010	<0.00010
	VA25D3435-004	2025-12-13	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	-	<0.0030	<0.00010	<0.00010
	VA25D3939-004	2025-12-17	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	-	<0.0030	<0.00010	<0.00010
	VA25D4214-005	2025-12-26	<0.0050	<0.0050	<0.0010	<0.0010	<0.0020	<0.0050	<0.0050	<0.50	<0.50	<0.50	<0.0030	<0.00010	<0.00010

Notes:
"<" indicates value was below the detection limit.
"- " indicates parameter was not analyzed.
Gray shading indicates value was equal to or greater than detection limit.

APPENDIX C.1: SURFACE WATER QUALITY RESULTS FOR EQUIPMENT, FIELD, AND TRAVEL BLANKS

QA/QC	Laboratory ID	Date	Total Metals (cont'd)													
			Barium (Ba)	Beryllium (Be)	Bismuth (Bi)	Boron (B)	Cadmium (Cd)	Calcium (Ca)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)	Magnesium (Mg)	Manganese (Mn)
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Equipment Blank	VA25A3595-007	2025-02-10	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	0.00018
	VA25B2601-008	2025-05-27	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	0.00014
	VA25B8201-001	2025-07-22	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	0.00022
	VA25C5037-006	2025-09-18	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	0.00017
	VA25C7416-008	2025-10-13	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	0.00018
Field Blank	VA25A0356-005	2025-01-06	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25A0824-002	2025-01-12	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25A1481-006	2025-01-20	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25A1845-007	2025-01-26	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25A2544-006	2025-02-03	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25A3507-006	2025-02-17	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25A4183-005	2025-02-24	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25A4598-005	2025-02-28	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25A5321-003	2025-03-05	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25A5268-004	2025-03-09	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25A6295-003	2025-03-19	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25A6706-003	2025-03-25	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25A7634-003	2025-04-03	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25A8058-007	2025-04-09	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25A8451-003	2025-04-14	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25B0611-004	2025-05-06	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25B1094-004	2025-05-12	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25B1312-006	2025-05-13	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25B1721-007	2025-05-19	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25B2427-006	2025-05-26	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25B2953-008	2025-06-01	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25B5784-002	2025-06-25	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25B6834-009	2025-07-07	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25B7192-004	2025-07-13	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25B8201-008	2025-07-22	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25B9374-004	2025-08-03	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25C0017-005	2025-08-10	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25C3699-004	2025-09-09	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25C4967-010	2025-09-17	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25C6737-004	2025-10-05	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25C7416-013	2025-10-13	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25C8047-005	2025-10-18	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25C8919-010	2025-10-26	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25C9101-006	2025-10-29	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25C9690-005	2025-11-03	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25D1976-009	2025-11-26	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25D3210-004	2025-12-09	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25D3435-003	2025-12-12	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25D3939-005	2025-12-17	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25D4214-004	2025-12-26	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010

APPENDIX C.1: SURFACE WATER QUALITY RESULTS FOR EQUIPMENT, FIELD, AND TRAVEL BLANKS

QA/QC	Laboratory ID	Date	Total Metals (cont'd)													
			Barium (Ba)	Beryllium (Be)	Bismuth (Bi)	Boron (B)	Cadmium (Cd)	Calcium (Ca)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)	Magnesium (Mg)	Manganese (Mn)
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Travel Blank	VA25A0356-006	2025-01-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25A0964-005	2025-01-13	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25A1670-001	2025-01-21	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25A1845-008	2025-01-26	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25A2777-005	2025-02-05	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25A3507-007	2025-02-17	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25A4183-006	2025-02-24	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25A4598-006	2025-02-28	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25A5321-004	2025-03-05	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25A5560-005	2025-03-11	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25A6295-004	2025-03-19	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	0.00072	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25A6706-006	2025-03-25	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25A7611-007	2025-04-04	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	0.00013
	VA25A8257-003	2025-04-10	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25A8451-004	2025-04-14	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25A9690-003	2025-04-27	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25B0611-005	2025-05-06	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25B1094-005	2025-05-12	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25B1312-007	2025-05-13	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25B1721-008	2025-05-19	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25B2601-007	2025-05-27	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25B2953-007	2025-06-01	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25B3822-006	2025-06-02	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25B5932-004	2025-06-28	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25B5984-004	2025-06-29	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25B6834-008	2025-07-07	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25B7192-005	2025-07-13	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25B8201-009	2025-07-22	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25B9374-005	2025-08-03	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25C0017-006	2025-08-10	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25C3886-002	2025-09-10	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25C4972-003	2025-09-20	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25C5489-004	2025-09-23	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25C6737-005	2025-10-05	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25C7563-009	2025-10-14	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25C8358-008	2025-10-20	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25C8919-011	2025-10-26	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25C9101-007	2025-10-29	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25C9690-006	2025-11-03	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25D1976-010	2025-11-26	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25D3210-005	2025-12-10	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25D3435-004	2025-12-13	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25D3939-004	2025-12-17	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010
	VA25D4214-005	2025-12-26	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010	<0.00050	<0.010	<0.000050	<0.0010	<0.100	<0.00010

Notes:
"<" indicates value was below the detection limit.
"- " indicates parameter was not analyzed.
Gray shading indicates value was equal to or greater than detection limit.

APPENDIX C.1: SURFACE WATER QUALITY RESULTS FOR EQUIPMENT, FIELD, AND TRAVEL BLANKS

QA/QC	Laboratory ID	Date	Total Metals (<i>cont'd</i>)													
			Mercury (Hg)	Molybdenum (Mo)	Nickel (Ni)	Phosphorus (P)	Potassium (K)	Selenium (Se)	Silicon (Si)	Silver (Ag)	Sodium (Na)	Strontium (Sr)	Sulfur (S)	Thallium (Tl)	Tin (Sn)	Titanium (Ti)
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Equipment Blank	VA25A3595-007	2025-02-10	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25B2601-008	2025-05-27	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25B8201-001	2025-07-22	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25C5037-006	2025-09-18	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25C7416-008	2025-10-13	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
Field Blank	VA25A0356-005	2025-01-06	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25A0824-002	2025-01-12	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25A1481-006	2025-01-20	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25A1845-007	2025-01-26	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25A2544-006	2025-02-03	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25A3507-006	2025-02-17	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25A4183-005	2025-02-24	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25A4598-005	2025-02-28	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25A5321-003	2025-03-05	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25A5268-004	2025-03-09	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25A6295-003	2025-03-19	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25A6706-003	2025-03-25	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25A7634-003	2025-04-03	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25A8058-007	2025-04-09	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25A8451-003	2025-04-14	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25B0611-004	2025-05-06	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25B1094-004	2025-05-12	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25B1312-006	2025-05-13	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25B1721-007	2025-05-19	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25B2427-006	2025-05-26	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25B2953-008	2025-06-01	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25B5784-002	2025-06-25	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25B6834-009	2025-07-07	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25B7192-004	2025-07-13	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25B8201-008	2025-07-22	<0.0000250	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25B9374-004	2025-08-03	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25C0017-005	2025-08-10	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25C3699-004	2025-09-09	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25C4967-010	2025-09-17	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25C6737-004	2025-10-05	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25C7416-013	2025-10-13	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25C8047-005	2025-10-18	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25C8919-010	2025-10-26	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25C9101-006	2025-10-29	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25C9690-005	2025-11-03	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25D1976-009	2025-11-26	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25D3210-004	2025-12-09	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25D3435-003	2025-12-12	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25D3939-005	2025-12-17	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25D4214-004	2025-12-26	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030

APPENDIX C.1: SURFACE WATER QUALITY RESULTS FOR EQUIPMENT, FIELD, AND TRAVEL BLANKS

QA/QC	Laboratory ID	Date	Total Metals (<i>cont'd</i>)													
			Mercury (Hg)	Molybdenum (Mo)	Nickel (Ni)	Phosphorus (P)	Potassium (K)	Selenium (Se)	Silicon (Si)	Silver (Ag)	Sodium (Na)	Strontium (Sr)	Sulfur (S)	Thallium (Tl)	Tin (Sn)	Titanium (Ti)
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Travel Blank	VA25A0356-006	2025-01-06	<0.0000050	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25A0964-005	2025-01-13	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25A1670-001	2025-01-21	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25A1845-008	2025-01-26	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25A2777-005	2025-02-05	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25A3507-007	2025-02-17	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25A4183-006	2025-02-24	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25A4598-006	2025-02-28	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25A5321-004	2025-03-05	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25A5560-005	2025-03-11	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25A6295-004	2025-03-19	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25A6706-006	2025-03-25	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25A7611-007	2025-04-04	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25A8257-003	2025-04-10	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25A8451-004	2025-04-14	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25A9690-003	2025-04-27	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25B0611-005	2025-05-06	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25B1094-005	2025-05-12	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25B1312-007	2025-05-13	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25B1721-008	2025-05-19	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25B2601-007	2025-05-27	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25B2953-007	2025-06-01	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25B3822-006	2025-06-02	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25B5932-004	2025-06-28	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25B5984-004	2025-06-29	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25B6834-008	2025-07-07	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25B7192-005	2025-07-13	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25B8201-009	2025-07-22	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25B9374-005	2025-08-03	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25C0017-006	2025-08-10	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25C3886-002	2025-09-10	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25C4972-003	2025-09-20	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25C5489-004	2025-09-23	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25C6737-005	2025-10-05	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25C7563-009	2025-10-14	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25C8358-008	2025-10-20	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25C8919-011	2025-10-26	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25C9101-007	2025-10-29	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25C9690-006	2025-11-03	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
	VA25D1976-010	2025-11-26	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030
VA25D3210-005	2025-12-10	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	
VA25D3435-004	2025-12-13	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	
VA25D3939-004	2025-12-17	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	
VA25D4214-005	2025-12-26	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.10	<0.000010	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	

Notes:

"<" indicates value was below the detection limit.

"-" indicates parameter was not analyzed.

Gray shading indicates value was equal to or greater than detection limit.

APPENDIX C.1: SURFACE WATER QUALITY RESULTS FOR EQUIPMENT, FIELD, AND TRAVEL BLANKS

QA/QC	Laboratory ID	Date	Total Metals (cont'd)			Dissolved Metals											
			Uranium (U)	Vanadium (V)	Zinc (Zn)	Aluminum (Al)	Antimony (Sb)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Bismuth (Bi)	Boron (B)	Cadmium (Cd)	Calcium (Ca)	Chromium (Cr)	Cobalt (Co)	
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
Equipment Blank	VA25A3595-007	2025-02-10	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25B2601-008	2025-05-27	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25B8201-001	2025-07-22	<0.000010	<0.00050	0.0045	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25C5037-006	2025-09-18	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25C7416-008	2025-10-13	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
Field Blank	VA25A0356-005	2025-01-06	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25A0824-002	2025-01-12	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25A1481-006	2025-01-20	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25A1845-007	2025-01-26	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25A2544-006	2025-02-03	<0.000010	<0.00050	<0.0030	0.0044	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25A3507-006	2025-02-17	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25A4183-005	2025-02-24	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25A4598-005	2025-02-28	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25A5321-003	2025-03-05	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25A5268-004	2025-03-09	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25A6295-003	2025-03-19	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25A6706-003	2025-03-25	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25A7634-003	2025-04-03	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25A8058-007	2025-04-09	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25A8451-003	2025-04-14	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25B0611-004	2025-05-06	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25B1094-004	2025-05-12	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25B1312-006	2025-05-13	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25B1721-007	2025-05-19	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25B2427-006	2025-05-26	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25B2953-008	2025-06-01	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25B5784-002	2025-06-25	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25B6834-009	2025-07-07	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25B7192-004	2025-07-13	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25B8201-008	2025-07-22	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25B9374-004	2025-08-03	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25C0017-005	2025-08-10	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25C3699-004	2025-09-09	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25C4967-010	2025-09-17	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25C6737-004	2025-10-05	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25C7416-013	2025-10-13	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25C8047-005	2025-10-18	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25C8919-010	2025-10-26	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25C9101-006	2025-10-29	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25C9690-005	2025-11-03	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25D1976-009	2025-11-26	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25D3210-004	2025-12-09	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25D3435-003	2025-12-12	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25D3939-005	2025-12-17	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25D4214-004	2025-12-26	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010

APPENDIX C.1: SURFACE WATER QUALITY RESULTS FOR EQUIPMENT, FIELD, AND TRAVEL BLANKS

QA/QC	Laboratory ID	Date	Total Metals (<i>cont'd</i>)			Dissolved Metals										
			Uranium (U)	Vanadium (V)	Zinc (Zn)	Aluminum (Al)	Antimony (Sb)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Bismuth (Bi)	Boron (B)	Cadmium (Cd)	Calcium (Ca)	Chromium (Cr)	Cobalt (Co)
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Travel Blank	VA25A0356-006	2025-01-06	-	-	-	0.0010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25A0964-005	2025-01-13	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25A1670-001	2025-01-21	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25A1845-008	2025-01-26	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25A2777-005	2025-02-05	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25A3507-007	2025-02-17	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25A4183-006	2025-02-24	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25A4598-006	2025-02-28	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25A5321-004	2025-03-05	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25A5560-005	2025-03-11	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25A6295-004	2025-03-19	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25A6706-006	2025-03-25	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25A7611-007	2025-04-04	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25A8257-003	2025-04-10	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25A8451-004	2025-04-14	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25A9690-003	2025-04-27	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25B0611-005	2025-05-06	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25B1094-005	2025-05-12	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25B1312-007	2025-05-13	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25B1721-008	2025-05-19	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25B2601-007	2025-05-27	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25B2953-007	2025-06-01	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25B3822-006	2025-06-02	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25B5932-004	2025-06-28	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25B5984-004	2025-06-29	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25B6834-008	2025-07-07	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25B7192-005	2025-07-13	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25B8201-009	2025-07-22	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25B9374-005	2025-08-03	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25C0017-006	2025-08-10	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25C3886-002	2025-09-10	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25C4972-003	2025-09-20	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25C5489-004	2025-09-23	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25C6737-005	2025-10-05	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25C7563-009	2025-10-14	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25C8358-008	2025-10-20	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25C8919-011	2025-10-26	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25C9101-007	2025-10-29	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25C9690-006	2025-11-03	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25D1976-010	2025-11-26	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010
	VA25D3210-005	2025-12-10	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25D3435-004	2025-12-13	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25D3939-004	2025-12-17	<0.000010	<0.00050	<0.0030	-	-	-	-	-	-	-	-	-	-	-
	VA25D4214-005	2025-12-26	<0.000010	<0.00050	<0.0030	<0.0010	<0.00010	<0.00010	<0.00010	<0.000020	<0.000050	<0.010	<0.0000050	<0.050	<0.00050	<0.00010

Notes:
"<" indicates value was below the detection limit.
"- " indicates parameter was not analyzed.
Gray shading indicates value was equal to or greater than detection limit.

APPENDIX C.1: SURFACE WATER QUALITY RESULTS FOR EQUIPMENT, FIELD, AND TRAVEL BLANKS

QA/QC	Laboratory ID	Date	Dissolved Metals (cont'd)													
			Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)	Magnesium (Mg)	Manganese (Mn)	Mercury (Hg)	Molybdenum (Mo)	Nickel (Ni)	Phosphorus (P)	Potassium (K)	Selenium (Se)	Silicon (Si)	Silver (Ag)
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Equipment Blank	VA25A3595-007	2025-02-10	0.00022	<0.010	<0.000050	<0.0010	<0.100	0.00020	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25B2601-008	2025-05-27	<0.00020	<0.010	<0.000050	<0.0010	<0.100	0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25B8201-001	2025-07-22	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25C5037-006	2025-09-18	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25C7416-008	2025-10-13	<0.00020	<0.010	<0.000050	<0.0010	<0.100	0.00011	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
Field Blank	VA25A0356-005	2025-01-06	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25A0824-002	2025-01-12	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25A1481-006	2025-01-20	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25A1845-007	2025-01-26	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25A2544-006	2025-02-03	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25A3507-006	2025-02-17	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25A4183-005	2025-02-24	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25A4598-005	2025-02-28	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25A5321-003	2025-03-05	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25A5268-004	2025-03-09	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25A6295-003	2025-03-19	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25A6706-003	2025-03-25	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25A7634-003	2025-04-03	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25A8058-007	2025-04-09	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25A8451-003	2025-04-14	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25B0611-004	2025-05-06	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25B1094-004	2025-05-12	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25B1312-006	2025-05-13	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25B1721-007	2025-05-19	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25B2427-006	2025-05-26	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25B2953-008	2025-06-01	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25B5784-002	2025-06-25	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25B6834-009	2025-07-07	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25B7192-004	2025-07-13	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25B8201-008	2025-07-22	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25B9374-004	2025-08-03	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25C0017-005	2025-08-10	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25C3699-004	2025-09-09	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25C4967-010	2025-09-17	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25C6737-004	2025-10-05	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25C7416-013	2025-10-13	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25C8047-005	2025-10-18	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25C8919-010	2025-10-26	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25C9101-006	2025-10-29	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25C9690-005	2025-11-03	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25D1976-009	2025-11-26	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25D3210-004	2025-12-09	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25D3435-003	2025-12-12	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25D3939-005	2025-12-17	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25D4214-004	2025-12-26	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010

APPENDIX C.1: SURFACE WATER QUALITY RESULTS FOR EQUIPMENT, FIELD, AND TRAVEL BLANKS

QA/QC	Laboratory ID	Date	Dissolved Metals (<i>cont'd</i>)													
			Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)	Magnesium (Mg)	Manganese (Mn)	Mercury (Hg)	Molybdenum (Mo)	Nickel (Ni)	Phosphorus (P)	Potassium (K)	Selenium (Se)	Silicon (Si)	Silver (Ag)
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Travel Blank	VA25A0356-006	2025-01-06	<0.00020	<0.010	<0.000050	<0.0010	<0.0050	<0.00010	-	<0.000050	<0.00050	<0.050	<0.050	<0.000050	<0.050	<0.000010
	VA25A0964-005	2025-01-13	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25A1670-001	2025-01-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25A1845-008	2025-01-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25A2777-005	2025-02-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25A3507-007	2025-02-17	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25A4183-006	2025-02-24	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25A4598-006	2025-02-28	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25A5321-004	2025-03-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25A5560-005	2025-03-11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25A6295-004	2025-03-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25A6706-006	2025-03-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25A7611-007	2025-04-04	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25A8257-003	2025-04-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25A8451-004	2025-04-14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25A9690-003	2025-04-27	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25B0611-005	2025-05-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25B1094-005	2025-05-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25B1312-007	2025-05-13	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25B1721-008	2025-05-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25B2601-007	2025-05-27	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25B2953-007	2025-06-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25B3822-006	2025-06-02	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25B5932-004	2025-06-28	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25B5984-004	2025-06-29	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25B6834-008	2025-07-07	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25B7192-005	2025-07-13	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25B8201-009	2025-07-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25B9374-005	2025-08-03	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25C0017-006	2025-08-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25C3886-002	2025-09-10	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25C4972-003	2025-09-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25C5489-004	2025-09-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25C6737-005	2025-10-05	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25C7563-009	2025-10-14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25C8358-008	2025-10-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25C8919-011	2025-10-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25C9101-007	2025-10-29	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25C9690-006	2025-11-03	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25D1976-010	2025-11-26	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010
	VA25D3210-005	2025-12-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25D3435-004	2025-12-13	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25D3939-004	2025-12-17	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VA25D4214-005	2025-12-26	<0.00020	<0.010	<0.000050	<0.0010	<0.100	<0.00010	<0.0000050	<0.000050	<0.00050	<0.050	<0.100	<0.000050	<0.050	<0.000010

Notes:
"<" indicates value was below the detection limit.
"- " indicates parameter was not analyzed.
Gray shading indicates value was equal to or greater than detection limit.

APPENDIX C.1: SURFACE WATER QUALITY RESULTS FOR EQUIPMENT, FIELD, AND TRAVEL BLANKS

QA/QC	Laboratory ID	Date	Dissolved Metals (cont'd)								
			Sodium (Na)	Strontium (Sr)	Sulfur (S)	Thallium (Tl)	Tin (Sn)	Titanium (Ti)	Uranium (U)	Vanadium (V)	Zinc (Zn)
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Equipment Blank	VA25A3595-007	2025-02-10	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	0.0035
	VA25B2601-008	2025-05-27	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25B8201-001	2025-07-22	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	0.0018
	VA25C5037-006	2025-09-18	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	0.0012
	VA25C7416-008	2025-10-13	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	0.0013
Field Blank	VA25A0356-005	2025-01-06	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25A0824-002	2025-01-12	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25A1481-006	2025-01-20	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25A1845-007	2025-01-26	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25A2544-006	2025-02-03	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25A3507-006	2025-02-17	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25A4183-005	2025-02-24	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25A4598-005	2025-02-28	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25A5321-003	2025-03-05	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25A5268-004	2025-03-09	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25A6295-003	2025-03-19	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25A6706-003	2025-03-25	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25A7634-003	2025-04-03	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25A8058-007	2025-04-09	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25A8451-003	2025-04-14	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25B0611-004	2025-05-06	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25B1094-004	2025-05-12	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25B1312-006	2025-05-13	<0.050	<0.00020	<0.50	<0.000010	0.00085	<0.00030	<0.000010	<0.00050	<0.0010
	VA25B1721-007	2025-05-19	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25B2427-006	2025-05-26	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25B2953-008	2025-06-01	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25B5784-002	2025-06-25	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25B6834-009	2025-07-07	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25B7192-004	2025-07-13	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25B8201-008	2025-07-22	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25B9374-004	2025-08-03	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25C0017-005	2025-08-10	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25C3699-004	2025-09-09	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25C4967-010	2025-09-17	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25C6737-004	2025-10-05	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25C7416-013	2025-10-13	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25C8047-005	2025-10-18	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25C8919-010	2025-10-26	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25C9101-006	2025-10-29	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25C9690-005	2025-11-03	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25D1976-009	2025-11-26	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25D3210-004	2025-12-09	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25D3435-003	2025-12-12	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25D3939-005	2025-12-17	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25D4214-004	2025-12-26	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010

APPENDIX C.1: SURFACE WATER QUALITY RESULTS FOR EQUIPMENT, FIELD, AND TRAVEL BLANKS

QA/QC	Laboratory ID	Date	Dissolved Metals (<i>cont'd</i>)								
			Sodium (Na)	Strontium (Sr)	Sulfur (S)	Thallium (Tl)	Tin (Sn)	Titanium (Ti)	Uranium (U)	Vanadium (V)	Zinc (Zn)
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Travel Blank	VA25A0356-006	2025-01-06	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25A0964-005	2025-01-13	-	-	-	-	-	-	-	-	-
	VA25A1670-001	2025-01-21	-	-	-	-	-	-	-	-	-
	VA25A1845-008	2025-01-26	-	-	-	-	-	-	-	-	-
	VA25A2777-005	2025-02-05	-	-	-	-	-	-	-	-	-
	VA25A3507-007	2025-02-17	-	-	-	-	-	-	-	-	-
	VA25A4183-006	2025-02-24	-	-	-	-	-	-	-	-	-
	VA25A4598-006	2025-02-28	-	-	-	-	-	-	-	-	-
	VA25A5321-004	2025-03-05	-	-	-	-	-	-	-	-	-
	VA25A5560-005	2025-03-11	-	-	-	-	-	-	-	-	-
	VA25A6295-004	2025-03-19	-	-	-	-	-	-	-	-	-
	VA25A6706-006	2025-03-25	-	-	-	-	-	-	-	-	-
	VA25A7611-007	2025-04-04	-	-	-	-	-	-	-	-	-
	VA25A8257-003	2025-04-10	-	-	-	-	-	-	-	-	-
	VA25A8451-004	2025-04-14	-	-	-	-	-	-	-	-	-
	VA25A9690-003	2025-04-27	-	-	-	-	-	-	-	-	-
	VA25B0611-005	2025-05-06	-	-	-	-	-	-	-	-	-
	VA25B1094-005	2025-05-12	-	-	-	-	-	-	-	-	-
	VA25B1312-007	2025-05-13	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25B1721-008	2025-05-19	-	-	-	-	-	-	-	-	-
	VA25B2601-007	2025-05-27	-	-	-	-	-	-	-	-	-
	VA25B2953-007	2025-06-01	-	-	-	-	-	-	-	-	-
	VA25B3822-006	2025-06-02	-	-	-	-	-	-	-	-	-
	VA25B5932-004	2025-06-28	-	-	-	-	-	-	-	-	-
	VA25B5984-004	2025-06-29	-	-	-	-	-	-	-	-	-
	VA25B6834-008	2025-07-07	-	-	-	-	-	-	-	-	-
	VA25B7192-005	2025-07-13	-	-	-	-	-	-	-	-	-
	VA25B8201-009	2025-07-22	-	-	-	-	-	-	-	-	-
	VA25B9374-005	2025-08-03	-	-	-	-	-	-	-	-	-
	VA25C0017-006	2025-08-10	-	-	-	-	-	-	-	-	-
	VA25C3886-002	2025-09-10	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25C4972-003	2025-09-20	-	-	-	-	-	-	-	-	-
	VA25C5489-004	2025-09-23	-	-	-	-	-	-	-	-	-
	VA25C6737-005	2025-10-05	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25C7563-009	2025-10-14	-	-	-	-	-	-	-	-	-
	VA25C8358-008	2025-10-20	-	-	-	-	-	-	-	-	-
	VA25C8919-011	2025-10-26	-	-	-	-	-	-	-	-	-
	VA25C9101-007	2025-10-29	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25C9690-006	2025-11-03	-	-	-	-	-	-	-	-	-
	VA25D1976-010	2025-11-26	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010
	VA25D3210-005	2025-12-10	-	-	-	-	-	-	-	-	-
	VA25D3435-004	2025-12-13	-	-	-	-	-	-	-	-	-
	VA25D3939-004	2025-12-17	-	-	-	-	-	-	-	-	-
	VA25D4214-005	2025-12-26	<0.050	<0.00020	<0.50	<0.000010	<0.00010	<0.00030	<0.000010	<0.00050	<0.0010

Notes:
"<" indicates value was below the detection limit.
"- " indicates parameter was not analyzed.
Gray shading indicates value was equal to or greater than detection limit.

Appendix C.2

Relative Percent Difference Results for Stream Water Quality Samples

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-01-06				2025-01-12				2025-01-13			
			661-10				DC-05				661-05			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Physical Tests	pH	pH units	7.41	7.44	0.1	0.4%	7.59	7.60	0.1	0.13%	7.81	7.83	0.1	0.26%
	Total Suspended Solids	mg/L	<3.0	<3.0	3	-	<3.0	<3.0	3	-	<3.0	<3.0	3	-
	Total Dissolved Solids	mg/L	70	70	13	0%	74	72	13	2.74%	58	58	13	-
	Conductivity	µS/cm	85.6	85.9	2	0.35%	95.9	96.0	2	0.1%	102	101	2	0.99%
	Turbidity	NTU	1.22	1.24	0.1	1.63%	2.76	2.60	0.1	5.97%	1.64	1.64	0.1	0%
	Acidity (as CaCO ₃)	mg/L	2.8	2.8	2	-	<2.0	<2.0	2	-	2.0	2.1	2	-
	Alkalinity, Total (as CaCO ₃)	mg/L	38.6	39.4	1	2.05%	44.0	43.6	1	0.91%	50.2	50.1	1	0.2%
	Hardness (as CaCO ₃)-Total	mg/L	32.8	34.8	0.6	5.92%	41.4	40.2	0.6	2.94%	40.0	40.8	0.6	1.98%
	Hardness (as CaCO ₃)-Dissolved	mg/L	35.8	35.7	0.6	0.28%	40.4	39.8	0.6	1.5%	41.0	39.5	0.6	3.73%
Anions and Nutrients	Bromide (Br)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Chloride (Cl)	mg/L	0.71	0.73	0.5	-	0.91	0.92	0.5	-	<0.50	<0.50	0.5	-
	Fluoride (F)	mg/L	0.040	0.040	0.02	-	0.044	0.044	0.02	-	0.061	0.058	0.02	-
	Sulfate (SO ₄)	mg/L	2.74	2.77	0.3	1.09%	3.35	3.35	0.3	0%	1.37	1.38	0.3	-
	Total Kjeldahl Nitrogen	mg/L	0.115	0.142	0.05	-	0.092	0.090	0.05	-	0.060	0.076	0.05	-
	Ammonia, Total (as N)	mg/L	0.0111	0.0104	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
	Nitrate (as N)	mg/L	0.0947	0.0979	0.005	3.32%	0.149	0.150	0.005	0.67%	0.0553	0.0551	0.005	0.36%
	Nitrite (as N)	mg/L	<0.0010	0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Orthophosphate-Dissolved (as P)	mg/L	0.0071	0.0065	0.001	8.82%	0.0049	0.0047	0.001	-	0.0367	0.0369	0.001	0.54%
Cyanides	Total Phosphate (as P)	mg/L	0.0160	0.0159	0.002	0.63%	0.0138	0.0138	0.002	0%	0.0473	0.0474	0.002	0.21%
	Cyanide, Strong Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
	Cyanide, Weak Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
Organic / Inorganic Carbon	Thiocyanate	mg/L	<0.50	<0.50	0.5	-	<0.50	0.64	0.5	-	<0.50	<0.50	0.5	-
	Total Organic Carbon	mg/L	4.82	4.74	0.5	1.67%	3.44	3.55	0.5	3.15%	2.17	1.94	0.5	-
Total Metals	Dissolved Organic Carbon	mg/L	4.70	4.48	0.5	4.79%	3.30	3.20	0.5	3.08%	2.07	1.82	0.5	-
	Aluminum (Al)	mg/L	0.0623	0.0608	0.003	2.44%	0.220	0.183	0.003	18.36%	0.0899	0.0879	0.003	2.25%
Total Metals	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00076	0.00074	0.0001	2.67%	0.00061	0.00059	0.0001	3.33%	0.00121	0.00122	0.0001	0.82%
	Barium (Ba)	mg/L	0.00544	0.00525	0.0001	3.55%	0.00936	0.00879	0.0001	6.28%	0.00512	0.00511	0.0001	0.2%
	Beryllium (Be)	mg/L	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	0.0000173	0.0000193	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Calcium (Ca)	mg/L	9.10	9.92	0.05	8.62%	12.6	12.1	0.05	4.05%	11.3	11.5	0.05	1.75%
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	0.00086	0.00083	0.0005	-
	Cobalt (Co)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Copper (Cu)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Iron (Fe)	mg/L	0.181	0.186	0.01	2.72%	0.176	0.145	0.01	19.31%	0.163	0.163	0.01	0%
	Lead (Pb)	mg/L	<0.000050	<0.000050	0.00005	-	0.000093	0.000076	0.00005	-	<0.000050	<0.000050	0.00005	-
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	2.45	2.44	0.1	0.41%	2.42	2.43	0.1	0.41%	2.85	2.93	0.1	2.77%
	Manganese (Mn)	mg/L	0.0155	0.0154	0.0001	0.65%	0.0249	0.0174	0.0001	35.46%	0.00893	0.00841	0.0001	6%
	Mercury (Hg)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Molybdenum (Mo)	mg/L	0.000480	0.000503	0.00005	4.68%	0.000712	0.000680	0.00005	4.6%	0.000792	0.000816	0.00005	2.99%
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	0.073	0.066	0.05	-
	Potassium (K)	mg/L	0.459	0.473	0.1	-	0.531	0.524	0.1	1.33%	0.530	0.549	0.1	3.52%
	Selenium (Se)	mg/L	<0.000050	<0.000050	0.00005	-	0.000090	0.000113	0.00005	-	0.000070	0.000071	0.00005	-
	Silicon (Si)	mg/L	7.66	7.47	0.1	2.51%	6.89	6.86	0.1	0.44%	8.82	9.01	0.1	2.13%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-01-06				2025-01-12				2025-01-13			
			661-10				DC-05				661-05			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Total Metals <i>(cont'd)</i>	Sodium (Na)	mg/L	3.41	3.31	0.05	2.98%	3.02	3.04	0.05	0.66%	3.62	3.74	0.05	3.26%
	Strontium (Sr)	mg/L	0.0596	0.0666	0.0002	11.09%	0.0838	0.0816	0.0002	2.66%	0.0790	0.0816	0.0002	3.24%
	Sulfur (S)	mg/L	1.04	1.01	0.5	-	1.09	0.95	0.5	-	<0.50	<0.50	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	0.00134	0.00130	0.0003	-	0.00560	0.00478	0.0003	15.8%	0.00228	0.00229	0.0003	0.44%
	Uranium (U)	mg/L	0.000064	0.000068	0.00001	6.06%	0.000233	0.000228	0.00001	2.17%	0.000185	0.000186	0.00001	0.54%
	Vanadium (V)	mg/L	0.00066	0.00067	0.0005	-	0.00067	0.00059	0.0005	-	0.00171	0.00174	0.0005	-
	Zinc (Zn)	mg/L	0.0033	0.0035	0.003	-	<0.0030	<0.0030	0.003	-	<0.0030	<0.0030	0.003	-
Dissolved Metals	Aluminum (Al)	mg/L	0.0354	0.0351	0.001	0.85%	0.0442	0.0414	0.001	6.54%	0.0238	0.0236	0.001	0.84%
	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00065	0.00065	0.0001	0%	0.00049	0.00045	0.0001	-	0.00117	0.00112	0.0001	4.37%
	Barium (Ba)	mg/L	0.00509	0.00491	0.0001	3.6%	0.00740	0.00732	0.0001	1.09%	0.00454	0.00444	0.0001	2.23%
	Beryllium (Be)	mg/L	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	0.0000133	0.0000123	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Calcium (Ca)	mg/L	10.4	10.4	0.05	0%	12.1	11.9	0.05	1.67%	11.8	11.2	0.05	5.22%
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	0.00075	0.00067	0.0005	-
	Cobalt (Co)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Copper (Cu)	mg/L	0.00024	0.00026	0.0002	-	0.00022	0.00021	0.0002	-	<0.00020	<0.00020	0.0002	-
	Iron (Fe)	mg/L	0.111	0.114	0.01	2.67%	0.035	0.034	0.01	-	0.060	0.061	0.01	1.65%
	Lead (Pb)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	2.39	2.37	0.1	0.84%	2.48	2.45	0.1	1.22%	2.81	2.80	0.1	0.36%
	Manganese (Mn)	mg/L	0.0118	0.0121	0.0001	2.51%	0.00320	0.00308	0.0001	3.82%	0.00496	0.00504	0.0001	1.6%
	Mercury (Hg)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Molybdenum (Mo)	mg/L	0.000507	0.000519	0.00005	2.34%	0.000631	0.000675	0.00005	6.74%	0.000750	0.000745	0.00005	0.67%
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	0.449	0.441	0.1	-	0.541	0.530	0.1	2.05%	0.548	0.516	0.1	6.02%
	Selenium (Se)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	0.000069	0.000071	0.00005	-
	Silicon (Si)	mg/L	7.12	7.24	0.05	1.67%	6.84	6.58	0.05	3.87%	8.20	8.21	0.05	0.12%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Sodium (Na)	mg/L	3.32	3.39	0.05	2.09%	3.01	3.08	0.05	2.3%	4.01	3.87	0.05	3.55%
	Strontium (Sr)	mg/L	0.0650	0.0649	0.0002	0.15%	0.0786	0.0842	0.0002	6.88%	0.0783	0.0770	0.0002	1.67%
	Sulfur (S)	mg/L	0.81	0.84	0.5	-	0.78	0.78	0.5	-	<0.50	<0.50	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	0.00076	0.00079	0.0003	-	0.00097	0.00077	0.0003	-	0.00059	0.00067	0.0003	-
	Uranium (U)	mg/L	0.000064	0.000062	0.00001	3.17%	0.000200	0.000201	0.00001	0.5%	0.000161	0.000164	0.00001	1.85%
	Vanadium (V)	mg/L	0.00055	0.00052	0.0005	-	<0.00050	<0.00050	0.0005	-	0.00157	0.00158	0.0005	-
	Zinc (Zn)	mg/L	0.0030	0.0033	0.001	-	<0.0010	<0.0010	0.001	-	0.0013	<0.0010	0.001	-

Notes:
DL = Detection Limit; RPD = Relative Percent Difference.
"<" value is below the detection limit.
"- " indicates RPD was not computed because one or both concentrations were less than 5 times the detection limit.
Light gray shading indicates RPD was between 20 and 50%; dark gray shading indicated RPD was greater than 50%.

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-01-20				2025-01-26				2025-02-17			
			661-04				CC-20				CC-15			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Physical Tests	pH	pH units	7.69	7.71	0.1	0.26%	7.99	7.98	0.1	0.13%	8.05	8.08	0.1	0.37%
	Total Suspended Solids	mg/L	<3.0	<3.0	3	-	<3.0	<3.0	3	-	<3.0	<3.0	3	-
	Total Dissolved Solids	mg/L	70	62	13	-	108	116	13	7.14%	121	125	13	3.25%
	Conductivity	µS/cm	92.8	92.8	2	0%	153	154	2	0.65%	166	248	2	39.61%
	Turbidity	NTU	1.15	1.05	0.1	9.09%	0.60	0.59	0.1	1.68%	0.63	0.59	0.1	6.56%
	Acidity (as CaCO ₃)	mg/L	2.4	2.2	2	-	<2.0	<2.0	2	-	<2.0	<2.0	2	-
	Alkalinity, Total (as CaCO ₃)	mg/L	40.7	40.5	1	0.49%	79.2	79.3	1	0.13%	84.0	129	1	42.25%
	Hardness (as CaCO ₃)-Total	mg/L	36.8	36.8	0.6	0%	74.3	76.8	0.6	3.31%	80.1	77.5	0.6	3.3%
	Hardness (as CaCO ₃)-Dissolved	mg/L	37.0	37.3	0.6	0.81%	70.2	70.5	0.6	0.43%	73.0	74.9	0.6	2.57%
Anions and Nutrients	Bromide (Br)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Chloride (Cl)	mg/L	1.10	1.10	0.5	-	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-
	Fluoride (F)	mg/L	0.054	0.046	0.02	-	0.059	0.061	0.02	-	0.065	0.064	0.02	-
	Sulfate (SO ₄)	mg/L	4.75	4.75	0.3	0%	4.66	4.64	0.3	0.43%	4.64	4.65	0.3	0.22%
	Total Kjeldahl Nitrogen	mg/L	0.064	0.064	0.05	-	0.220	0.209	0.05	-	0.250	0.322	0.05	25.17%
	Ammonia, Total (as N)	mg/L	0.0052	<0.0050	0.005	-	0.0093	0.0089	0.005	-	0.0155	0.0181	0.005	-
	Nitrate (as N)	mg/L	0.180	0.180	0.005	0%	0.0744	0.0754	0.005	1.34%	0.0861	0.0863	0.005	0.23%
	Nitrite (as N)	mg/L	<0.0010	<0.0010	0.001	-	0.0010	<0.0010	0.001	-	0.0021	0.0020	0.001	-
	Orthophosphate-Dissolved (as P)	mg/L	0.0138	0.0136	0.001	1.46%	0.0096	0.0099	0.001	3.08%	0.0099	0.0101	0.001	2%
Cyanides	Total Phosphate (as P)	mg/L	0.0195	0.0190	0.002	2.6%	0.0224	0.0183	0.002	20.15%	0.0198	0.0202	0.002	2%
	Cyanide, Strong Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
	Cyanide, Weak Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
Organic / Inorganic Carbon	Thiocyanate	mg/L	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-
	Total Organic Carbon	mg/L	2.96	2.49	0.5	-	6.47	6.00	0.5	7.54%	7.21	7.04	0.5	2.39%
Total Metals	Dissolved Organic Carbon	mg/L	2.22	2.22	0.5	-	6.44	6.28	0.5	2.52%	7.18	7.12	0.5	0.84%
	Aluminum (Al)	mg/L	0.0864	0.0567	0.003	41.51%	0.0171	0.0148	0.003	-	0.0100	0.0096	0.003	-
Total Metals	Antimony (Sb)	mg/L	0.00010	0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00138	0.00133	0.0001	3.69%	0.00060	0.00060	0.0001	0%	0.00062	0.00062	0.0001	0%
	Barium (Ba)	mg/L	0.00500	0.00473	0.0001	5.55%	0.00869	0.00845	0.0001	2.8%	0.00821	0.00822	0.0001	0.12%
	Beryllium (Be)	mg/L	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	0.0000152	0.0000097	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Calcium (Ca)	mg/L	10.3	10.3	0.05	0%	20.7	21.9	0.05	5.63%	23.3	22.6	0.05	3.05%
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Cobalt (Co)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Copper (Cu)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Iron (Fe)	mg/L	0.096	0.071	0.01	29.94%	0.129	0.130	0.01	0.77%	0.109	0.108	0.01	0.92%
	Lead (Pb)	mg/L	0.000056	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	2.68	2.70	0.1	0.74%	5.49	5.36	0.1	2.4%	5.32	5.12	0.1	3.83%
	Manganese (Mn)	mg/L	0.0112	0.00910	0.0001	20.69%	0.0184	0.0188	0.0001	2.15%	0.0194	0.0188	0.0001	3.14%
	Mercury (Hg)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Molybdenum (Mo)	mg/L	0.000595	0.000586	0.00005	1.52%	0.000685	0.000690	0.00005	0.73%	0.000709	0.000722	0.00005	1.82%
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	0.602	0.604	0.1	0.33%	0.856	0.881	0.1	2.88%	1.01	0.992	0.1	1.8%
	Selenium (Se)	mg/L	0.000056	<0.000050	0.00005	-	0.000072	0.000055	0.00005	-	0.000051	0.000056	0.00005	-
	Silicon (Si)	mg/L	7.97	7.92	0.1	0.63%	5.22	5.27	0.1	0.95%	5.37	5.31	0.1	1.12%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-01-20				2025-01-26				2025-02-17			
			661-04				CC-20				CC-15			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Total Metals <i>(cont'd)</i>	Sodium (Na)	mg/L	3.31	3.49	0.05	5.29%	3.82	3.97	0.05	3.85%	4.23	4.21	0.05	0.47%
	Strontium (Sr)	mg/L	0.0713	0.0690	0.0002	3.28%	0.113	0.111	0.0002	1.79%	0.114	0.112	0.0002	1.77%
	Sulfur (S)	mg/L	1.24	1.52	0.5	-	1.45	1.52	0.5	-	1.61	1.62	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	0.00234	0.00149	0.0003	-	0.00069	0.00061	0.0003	-	<0.00030	0.00032	0.0003	-
	Uranium (U)	mg/L	0.000083	0.000071	0.00001	15.58%	0.000133	0.000136	0.00001	2.23%	0.000128	0.000126	0.00001	1.57%
	Vanadium (V)	mg/L	0.00067	0.00060	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Zinc (Zn)	mg/L	0.0113	0.0109	0.003	-	<0.0030	<0.0030	0.003	-	<0.0030	<0.0030	0.003	-
Dissolved Metals	Aluminum (Al)	mg/L	0.0184	0.0179	0.001	2.75%	0.0026	0.0021	0.001	-	0.0018	0.0016	0.001	-
	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00120	0.00122	0.0001	1.65%	0.00054	0.00054	0.0001	0%	0.00056	0.00058	0.0001	3.51%
	Barium (Ba)	mg/L	0.00427	0.00424	0.0001	0.71%	0.00837	0.00833	0.0001	0.48%	0.00812	0.00815	0.0001	0.37%
	Beryllium (Be)	mg/L	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	0.0000081	0.0000095	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Calcium (Ca)	mg/L	10.8	10.8	0.05	0%	20.2	20.1	0.05	0.5%	20.9	21.6	0.05	3.29%
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Cobalt (Co)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Copper (Cu)	mg/L	<0.00020	<0.00020	0.0002	-	0.00029	0.00031	0.0002	-	0.00028	0.00026	0.0002	-
	Iron (Fe)	mg/L	0.030	0.031	0.01	-	0.080	0.079	0.01	1.26%	0.068	0.070	0.01	2.9%
	Lead (Pb)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	2.44	2.50	0.1	2.43%	4.81	4.94	0.1	2.67%	5.06	5.09	0.1	0.59%
	Manganese (Mn)	mg/L	0.00633	0.00653	0.0001	3.11%	0.0162	0.0165	0.0001	1.83%	0.0176	0.0175	0.0001	0.57%
	Mercury (Hg)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Molybdenum (Mo)	mg/L	0.000575	0.000595	0.00005	3.42%	0.000655	0.000654	0.00005	0.15%	0.000682	0.000698	0.00005	2.32%
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	0.594	0.601	0.1	1.17%	0.941	0.959	0.1	1.89%	0.968	0.960	0.1	0.83%
	Selenium (Se)	mg/L	<0.000050	<0.000050	0.00005	-	0.000056	0.000068	0.00005	-	0.000060	<0.000050	0.00005	-
	Silicon (Si)	mg/L	7.72	7.81	0.05	1.16%	4.91	4.99	0.05	1.62%	5.10	5.20	0.05	1.94%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Sodium (Na)	mg/L	3.40	3.46	0.05	1.75%	3.90	3.92	0.05	0.51%	4.18	4.14	0.05	0.96%
	Strontium (Sr)	mg/L	0.0703	0.0699	0.0002	0.57%	0.108	0.107	0.0002	0.93%	0.109	0.111	0.0002	1.82%
	Sulfur (S)	mg/L	1.32	1.12	0.5	-	1.40	1.49	0.5	-	1.54	1.48	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	0.00030	0.00031	0.0003	-	<0.00030	<0.00030	0.0003	-	<0.00030	<0.00030	0.0003	-
	Uranium (U)	mg/L	0.000061	0.000062	0.00001	1.63%	0.000127	0.000120	0.00001	5.67%	0.000118	0.000121	0.00001	2.51%
	Vanadium (V)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Zinc (Zn)	mg/L	0.0098	0.0100	0.001	2.02%	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-

Notes:

DL = Detection Limit; RPD = Relative Percent Difference.

"<" value is below the detection limit.

"-" indicates RPD was not computed because one or both concentrations were less than 5 times the detection limit.

Light gray shading indicates RPD was between 20 and 50%; dark gray shading indicated RPD was greater than 50%.

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-02-24				2025-02-28				2025-03-05			
			705-05				CC-05				705-10			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Physical Tests	pH	pH units	7.48	7.49	0.1	0.13%	8.26	8.27	0.1	0.12%	7.68	7.68	0.1	0%
	Total Suspended Solids	mg/L	<3.0	<3.0	3	-	<3.0	<3.0	3	-	<3.0	<3.0	3	-
	Total Dissolved Solids	mg/L	46	50	13	-	142	136	20	4.32%	50	56	10	11.32%
	Conductivity	µS/cm	59.3	59.3	2	0%	215	214	2	0.47%	69.0	69.8	2	1.15%
	Turbidity	NTU	0.85	0.77	0.1	9.88%	0.63	0.55	0.1	13.56%	0.34	0.37	0.1	-
	Acidity (as CaCO ₃)	mg/L	3.1	3.0	2	-	<2.0	<2.0	2	-	<2.0	<2.0	2	-
	Alkalinity, Total (as CaCO ₃)	mg/L	26.6	26.5	1	0.38%	112	112	1	0%	31.6	31.8	1	0.63%
	Hardness (as CaCO ₃)-Total	mg/L	23.9	23.4	0.6	2.11%	99.8	99.2	0.6	0.6%	28.6	27.6	0.6	3.56%
	Hardness (as CaCO ₃)-Dissolved	mg/L	23.9	23.4	0.6	2.11%	94.6	97.2	0.6	2.71%	28.8	28.6	0.6	0.7%
Anions and Nutrients	Bromide (Br)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Chloride (Cl)	mg/L	0.62	0.62	0.5	-	<0.50	<0.50	0.5	-	0.52	0.51	0.5	-
	Fluoride (F)	mg/L	0.023	0.023	0.02	-	0.063	0.069	0.02	-	0.022	0.022	0.02	-
	Sulfate (SO ₄)	mg/L	1.83	1.83	0.3	0%	4.14	4.17	0.3	0.72%	2.59	2.57	0.3	0.78%
	Total Kjeldahl Nitrogen	mg/L	0.200	0.202	0.05	-	0.213	0.224	0.05	-	0.150	0.154	0.05	-
	Ammonia, Total (as N)	mg/L	0.0078	0.0098	0.005	-	0.0065	0.0206	0.005	-	<0.0050	<0.0050	0.005	-
	Nitrate (as N)	mg/L	0.0333	0.0336	0.005	0.9%	0.0510	0.0518	0.005	1.56%	0.0617	0.0622	0.005	0.81%
	Nitrite (as N)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Orthophosphate-Dissolved (as P)	mg/L	<0.0010	<0.0010	0.001	-	0.0169	0.0170	0.001	0.59%	<0.0010	<0.0010	0.001	-
	Total Phosphate (as P)	mg/L	0.0083	0.0084	0.002	-	0.0264	0.0331	0.002	22.52%	0.0052	0.0045	0.002	-
Cyanides	Cyanide, Strong Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
	Cyanide, Weak Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
	Thiocyanate	mg/L	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-
Organic / Inorganic Carbon	Total Organic Carbon	mg/L	5.84	6.34	0.5	8.21%	5.78	5.70	0.5	1.39%	5.89	6.03	0.5	2.35%
	Dissolved Organic Carbon	mg/L	6.14	6.54	0.5	6.31%	5.43	5.62	0.5	3.44%	5.72	6.03	0.5	5.28%
Total Metals	Aluminum (Al)	mg/L	0.0384	0.0384	0.003	0%	0.0157	0.0150	0.003	4.56%	0.0337	0.0323	0.003	4.24%
	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00027	0.00026	0.0001	-	0.00069	0.00067	0.0001	2.94%	0.00021	0.00020	0.0001	-
	Barium (Ba)	mg/L	0.00734	0.00728	0.0001	0.82%	0.00838	0.00833	0.0001	0.6%	0.00887	0.00887	0.0001	0%
	Beryllium (Be)	mg/L	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Calcium (Ca)	mg/L	7.48	7.35	0.05	1.75%	26.1	26.1	0.05	0%	8.88	8.52	0.05	4.14%
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Cobalt (Co)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Copper (Cu)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Iron (Fe)	mg/L	0.279	0.262	0.01	6.28%	0.110	0.112	0.01	1.8%	0.101	0.102	0.01	0.99%
	Lead (Pb)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	1.27	1.24	0.1	2.39%	8.41	8.26	0.1	1.8%	1.55	1.55	0.1	0%
	Manganese (Mn)	mg/L	0.0256	0.0237	0.0001	7.71%	0.0165	0.0172	0.0001	4.15%	0.00241	0.00249	0.0001	3.27%
	Mercury (Hg)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Molybdenum (Mo)	mg/L	0.000560	0.000559	0.00005	0.18%	0.000788	0.000769	0.00005	2.44%	0.000466	0.000488	0.00005	4.61%
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	0.410	0.395	0.1	-	1.29	1.30	0.1	0.77%	0.372	0.364	0.1	-
	Selenium (Se)	mg/L	<0.000050	<0.000050	0.00005	-	0.000067	0.000063	0.00005	-	<0.000050	<0.000050	0.00005	-
	Silicon (Si)	mg/L	3.22	3.10	0.1	3.8%	6.55	6.59	0.1	0.61%	3.86	3.93	0.1	1.8%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-02-24				2025-02-28				2025-03-05			
			705-05				CC-05				705-10			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Total Metals <i>(cont'd)</i>	Sodium (Na)	mg/L	2.29	2.24	0.05	2.21%	5.14	5.05	0.05	1.77%	2.52	2.52	0.05	0%
	Strontium (Sr)	mg/L	0.0596	0.0597	0.0002	0.17%	0.130	0.132	0.0002	1.53%	0.0630	0.0638	0.0002	1.26%
	Sulfur (S)	mg/L	0.74	0.66	0.5	-	1.46	1.56	0.5	-	0.89	0.88	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	0.00069	0.00083	0.0003	-	0.00054	0.00051	0.0003	-	0.00057	0.00049	0.0003	-
	Uranium (U)	mg/L	0.000130	0.000128	0.00001	1.55%	0.000291	0.000286	0.00001	1.73%	0.000130	0.000126	0.00001	3.12%
	Vanadium (V)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Zinc (Zn)	mg/L	<0.0030	<0.0030	0.003	-	<0.0030	<0.0030	0.003	-	<0.0030	<0.0030	0.003	-
Dissolved Metals	Aluminum (Al)	mg/L	0.0291	0.0285	0.001	2.08%	0.0035	0.0031	0.001	-	0.0296	0.0306	0.001	3.32%
	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00026	0.00026	0.0001	-	0.00067	0.00066	0.0001	1.5%	0.00018	0.00017	0.0001	-
	Barium (Ba)	mg/L	0.00710	0.00720	0.0001	1.4%	0.00840	0.00862	0.0001	2.59%	0.00926	0.00939	0.0001	1.39%
	Beryllium (Be)	mg/L	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Calcium (Ca)	mg/L	7.53	7.38	0.05	2.01%	25.0	26.3	0.05	5.07%	8.75	8.74	0.05	0.11%
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Cobalt (Co)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Copper (Cu)	mg/L	0.00026	0.00026	0.0002	-	<0.00020	<0.00020	0.0002	-	0.00039	0.00036	0.0002	-
	Iron (Fe)	mg/L	0.200	0.203	0.01	1.49%	0.061	0.061	0.01	0%	0.087	0.086	0.01	1.16%
	Lead (Pb)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	1.23	1.21	0.1	1.64%	7.82	7.66	0.1	2.07%	1.69	1.64	0.1	3%
	Manganese (Mn)	mg/L	0.0212	0.0209	0.0001	1.43%	0.0134	0.0133	0.0001	0.75%	0.00203	0.00188	0.0001	7.67%
	Mercury (Hg)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Molybdenum (Mo)	mg/L	0.000556	0.000572	0.00005	2.84%	0.000743	0.000777	0.00005	4.47%	0.000476	0.000473	0.00005	0.63%
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	0.410	0.400	0.1	-	1.30	1.31	0.1	0.77%	0.402	0.396	0.1	-
	Selenium (Se)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	0.000076	0.00005	-	<0.000050	<0.000050	0.00005	-
	Silicon (Si)	mg/L	3.32	3.39	0.05	2.09%	6.68	6.54	0.05	2.12%	3.94	4.01	0.05	1.76%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Sodium (Na)	mg/L	2.33	2.32	0.05	0.43%	5.20	5.18	0.05	0.39%	2.70	2.59	0.05	4.16%
	Strontium (Sr)	mg/L	0.0592	0.0599	0.0002	1.18%	0.117	0.124	0.0002	5.81%	0.0656	0.0633	0.0002	3.57%
	Sulfur (S)	mg/L	<0.50	0.57	0.5	-	1.49	1.37	0.5	-	0.70	0.70	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	0.00047	0.00042	0.0003	-	<0.00030	<0.00030	0.0003	-	0.00051	0.00046	0.0003	-
	Uranium (U)	mg/L	0.000122	0.000121	0.00001	0.82%	0.000260	0.000269	0.00001	3.4%	0.000119	0.000117	0.00001	1.69%
	Vanadium (V)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Zinc (Zn)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	0.0012	0.001	-

Notes:

DL = Detection Limit; RPD = Relative Percent Difference.

"<" value is below the detection limit.

"-" indicates RPD was not computed because one or both concentrations were less than 5 times the detection limit.

Light gray shading indicates RPD was between 20 and 50%; dark gray shading indicated RPD was greater than 50%.

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-03-09				2025-03-10				2025-03-19			
			CC-15				CC-03				FC-01			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Physical Tests	pH	pH units	7.91	7.93	0.1	0.25%	8.29	8.30	0.1	0.12%	7.85	7.85	0.1	0%
	Total Suspended Solids	mg/L	6.2	4.6	3	-	<3.0	3.2	3	-	<1.0	<1.0	1	-
	Total Dissolved Solids	mg/L	99	97	10	2.04%	117	118	10	0.85%	53	53	13	-
	Conductivity	µS/cm	150	154	2	2.63%	207	207	2	0%	83.7	83.7	2	0%
	Turbidity	NTU	2.17	2.29	0.1	5.38%	0.44	0.48	0.1	-	<0.10	<0.10	0.1	-
	Acidity (as CaCO ₃)	mg/L	2.2	2.1	2	-	<2.0	<2.0	2	-	<2.0	<2.0	2	-
	Alkalinity, Total (as CaCO ₃)	mg/L	75.2	76.3	1	1.45%	109	112	1	2.71%	41.1	41.4	1	0.73%
	Hardness (as CaCO ₃)-Total	mg/L	74.8	76.4	0.6	2.12%	100	101	0.6	1%	36.0	36.4	0.6	1.1%
	Hardness (as CaCO ₃)-Dissolved	mg/L	70.7	70.2	0.6	0.71%	102	103	0.6	0.98%	36.4	37.8	0.6	3.77%
Anions and Nutrients	Bromide (Br)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Chloride (Cl)	mg/L	0.52	0.57	0.5	-	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-
	Fluoride (F)	mg/L	0.065	0.064	0.02	-	0.069	0.066	0.02	-	0.025	0.024	0.02	-
	Sulfate (SO ₄)	mg/L	4.60	4.60	0.3	0%	4.09	4.10	0.3	0.24%	3.13	3.12	0.3	0.32%
	Total Kjeldahl Nitrogen	mg/L	0.368	0.298	0.05	21.02%	0.270	0.280	0.05	3.64%	<0.050	<0.050	0.05	-
	Ammonia, Total (as N)	mg/L	0.0199	0.0199	0.005	-	0.0154	0.0105	0.005	-	<0.0050	<0.0050	0.005	-
	Nitrate (as N)	mg/L	0.0495	0.0484	0.005	2.25%	0.0510	0.0575	0.005	11.98%	0.0686	0.0679	0.005	1.03%
	Nitrite (as N)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Orthophosphate-Dissolved (as P)	mg/L	0.0159	0.0102	0.001	43.68%	0.0106	0.0103	0.001	2.87%	0.00475	0.00530	0.001	-
Cyanides	Total Phosphate (as P)	mg/L	0.0365	0.0415	0.002	12.82%	0.0199	0.0196	0.002	1.52%	0.0073	0.0082	0.002	-
	Cyanide, Strong Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
	Cyanide, Weak Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
Organic / Inorganic Carbon	Thiocyanate	mg/L	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-
	Total Organic Carbon	mg/L	6.60	7.03	0.5	6.31%	6.28	6.21	0.5	1.12%	1.97	1.26	0.5	-
Total Metals	Dissolved Organic Carbon	mg/L	6.29	7.19	0.5	13.35%	6.05	6.29	0.5	3.89%	0.996	1.02	0.5	-
	Aluminum (Al)	mg/L	0.0605	0.0774	0.003	24.51%	0.0174	0.0170	0.003	2.33%	0.0082	0.0084	0.003	-
Total Metals	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00063	0.00071	0.0001	11.94%	0.00056	0.00056	0.0001	0%	0.00093	0.00093	0.0001	0%
	Barium (Ba)	mg/L	0.00905	0.00937	0.0001	3.47%	0.00809	0.00847	0.0001	4.59%	0.00414	0.00412	0.0001	0.48%
	Beryllium (Be)	mg/L	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	0.0000054	0.000005	-
	Calcium (Ca)	mg/L	21.2	21.9	0.05	3.25%	26.8	27.2	0.05	1.48%	12.1	12.3	0.05	1.64%
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Cobalt (Co)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Copper (Cu)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Iron (Fe)	mg/L	0.198	0.221	0.01	10.98%	0.088	0.086	0.01	2.3%	<0.010	<0.010	0.01	-
	Lead (Pb)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	5.31	5.27	0.1	0.76%	8.03	8.10	0.1	0.87%	1.40	1.37	0.1	2.17%
	Manganese (Mn)	mg/L	0.0346	0.0365	0.0001	5.34%	0.0175	0.0168	0.0001	4.08%	0.00014	<0.00010	0.0001	-
	Mercury (Hg)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Molybdenum (Mo)	mg/L	0.000751	0.000742	0.00005	1.21%	0.000689	0.000700	0.00005	1.58%	0.000840	0.000856	0.00005	1.89%
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	1.12	1.16	0.1	3.51%	1.21	1.21	0.1	0%	0.370	0.369	0.1	-
	Selenium (Se)	mg/L	0.000057	0.000080	0.00005	-	<0.000050	<0.000050	0.00005	-	0.000058	<0.000050	0.00005	-
	Silicon (Si)	mg/L	5.00	5.17	0.1	3.34%	5.37	5.34	0.1	0.56%	5.61	5.60	0.1	0.18%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-03-09				2025-03-10				2025-03-19			
			CC-15				CC-03				FC-01			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Total Metals (cont'd)	Sodium (Na)	mg/L	3.94	3.93	0.05	0.25%	4.97	5.10	0.05	2.58%	2.51	2.49	0.05	0.8%
	Strontium (Sr)	mg/L	0.113	0.117	0.0002	3.48%	0.117	0.121	0.0002	3.36%	0.0544	0.0542	0.0002	0.37%
	Sulfur (S)	mg/L	1.48	1.83	0.5	-	1.43	1.28	0.5	-	0.56	<0.50	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	0.00273	0.00330	0.0003	18.91%	0.00085	<0.00090	0.0003,	-	<0.00030	<0.00030	0.0003	-
	Uranium (U)	mg/L	0.000158	0.000161	0.00001	1.88%	0.000157	0.000166	0.00001	5.57%	0.000081	0.000073	0.00001	10.39%
	Vanadium (V)	mg/L	0.00060	0.00061	0.0005	-	<0.00050	<0.00050	0.0005	-	0.00055	0.00056	0.0005	-
	Zinc (Zn)	mg/L	<0.0030	<0.0030	0.003	-	<0.0030	<0.0030	0.003	-	<0.0030	<0.0030	0.003	-
Dissolved Metals	Aluminum (Al)	mg/L	0.0035	0.0042	0.001	-	0.0021	0.0023	0.001	-	0.0067	0.0069	0.001	2.94%
	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00058	0.00059	0.0001	1.71%	0.00057	0.00055	0.0001	3.57%	0.00088	0.00089	0.0001	1.13%
	Barium (Ba)	mg/L	0.00808	0.00836	0.0001	3.41%	0.00744	0.00767	0.0001	3.04%	0.00396	0.00394	0.0001	0.51%
	Beryllium (Be)	mg/L	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	0.0000051	0.000005	-
	Calcium (Ca)	mg/L	19.9	19.7	0.05	1.01%	26.6	27.3	0.05	2.6%	12.4	12.9	0.05	3.95%
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Cobalt (Co)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Copper (Cu)	mg/L	0.00033	0.00058	0.0002	-	<0.00020	<0.00020	0.0002	-	<0.00020	<0.00020	0.0002	-
	Iron (Fe)	mg/L	0.105	0.110	0.01	4.65%	0.035	0.037	0.01	-	<0.010	<0.010	0.01	-
	Lead (Pb)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	5.11	5.11	0.1	0%	8.62	8.57	0.1	0.58%	1.33	1.36	0.1	2.23%
	Manganese (Mn)	mg/L	0.0299	0.0322	0.0001	7.41%	0.00662	0.00674	0.0001	1.8%	<0.00010	<0.00010	0.0001	-
	Mercury (Hg)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Molybdenum (Mo)	mg/L	0.000735	0.000739	0.00005	0.54%	0.000708	0.000708	0.00005	0%	0.000801	0.000850	0.00005	5.94%
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	1.10	1.20	0.1	8.7%	1.26	1.27	0.1	0.79%	0.382	0.395	0.1	-
	Selenium (Se)	mg/L	0.000055	0.000072	0.00005	-	<0.000050	<0.000050	0.00005	-	0.000070	0.000058	0.00005	-
	Silicon (Si)	mg/L	4.89	4.90	0.05	0.2%	5.33	5.30	0.05	0.56%	5.47	5.38	0.05	1.66%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Sodium (Na)	mg/L	3.60	3.86	0.05	6.97%	4.61	4.67	0.05	1.29%	2.29	2.34	0.05	2.16%
	Strontium (Sr)	mg/L	0.107	0.108	0.0002	0.93%	0.116	0.119	0.0002	2.55%	0.0521	0.0524	0.0002	0.57%
	Sulfur (S)	mg/L	1.82	1.47	0.5	-	1.38	1.40	0.5	-	0.95	0.82	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	<0.00030	<0.00030	0.0003	-	<0.00030	<0.00030	0.0003	-	<0.00030	<0.00030	0.0003	-
	Uranium (U)	mg/L	0.000141	0.000142	0.00001	0.71%	0.000147	0.000152	0.00001	3.34%	0.000079	0.000078	0.00001	1.27%
	Vanadium (V)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Zinc (Zn)	mg/L	<0.0010	0.0038	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-

Notes:
DL = Detection Limit; RPD = Relative Percent Difference.
"<" value is below the detection limit.
"- " indicates RPD was not computed because one or both concentrations were less than 5 times the detection limit.
Light gray shading indicates RPD was between 20 and 50%; dark gray shading indicated RPD was greater than 50%.

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-03-25				2025-04-01				2025-04-04			
			DC-10				CC-15				DC-05			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Physical Tests	pH	pH units	7.88	7.90	0.1	0.25%	8.01	7.98	0.1	0.38%	7.85	7.86	0.1	0.13%
	Total Suspended Solids	mg/L	<3.0	<3.0	3	-	<3.0	<3.0	3	-	<3.0	<3.0	3	-
	Total Dissolved Solids	mg/L	95	89	13	6.52%	102	109	13	6.64%	75	67	13	11.27%
	Conductivity	µS/cm	131	131	2	0%	152	165	2	8.2%	108	108	2	0%
	Turbidity	NTU	5.49	5.23	0.1	4.85%	2.63	2.57	0.1	2.31%	9.38	9.32	0.1	0.64%
	Acidity (as CaCO ₃)	mg/L	<2.0	<2.0	2	-	<2.0	<2.0	2	-	<2.0	<2.0	2	-
	Alkalinity, Total (as CaCO ₃)	mg/L	63.4	62.4	1	1.59%	75.6	74.9	1	0.93%	52.6	54.9	1	4.28%
	Hardness (as CaCO ₃)-Total	mg/L	55.7	57.0	0.6	2.31%	66.9	67.2	0.6	0.45%	50.8	51.2	0.6	0.78%
	Hardness (as CaCO ₃)-Dissolved	mg/L	56.4	56.4	0.6	0%	69.7	69.8	0.6	0.14%	46.3	47.1	0.6	1.71%
Anions and Nutrients	Bromide (Br)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Chloride (Cl)	mg/L	0.65	0.65	0.5	-	0.60	0.58	0.5	-	0.58	0.57	0.5	-
	Fluoride (F)	mg/L	0.042	0.042	0.02	-	0.061	0.059	0.02	-	0.042	0.043	0.02	-
	Sulfate (SO ₄)	mg/L	4.01	4.02	0.3	0.25%	4.03	4.06	0.3	0.74%	3.29	3.29	0.3	0%
	Total Kjeldahl Nitrogen	mg/L	0.056	0.061	0.05	-	0.358	0.383	0.05	6.75%	0.139	0.125	0.05	-
	Ammonia, Total (as N)	mg/L	<0.0050	<0.0050	0.005	-	0.0447	0.0426	0.005	4.81%	<0.0050	<0.0050	0.005	-
	Nitrate (as N)	mg/L	0.0853	0.0874	0.005	2.43%	0.0447	0.0419	0.005	6.47%	0.143	0.146	0.005	2.08%
	Nitrite (as N)	mg/L	0.0012	0.0011	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Orthophosphate-Dissolved (as P)	mg/L	0.0044	0.0045	0.001	-	0.0452	0.0443	0.001	2.01%	0.0028	0.0023	0.001	-
Cyanides	Total Phosphate (as P)	mg/L	0.0136	0.0131	0.002	3.75%	0.0821	0.0835	0.002	1.69%	0.0169	0.0160	0.002	5.47%
	Cyanide, Strong Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
	Cyanide, Weak Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
Organic / Inorganic Carbon	Thiocyanate	mg/L	0.53	0.61	0.5	-	0.51	<0.50	0.5	-	<0.50	<0.50	0.5	-
	Total Organic Carbon	mg/L	1.60	1.81	0.5	-	7.82	7.88	0.5	0.76%	3.13	3.21	0.5	2.52%
Total Metals	Dissolved Organic Carbon	mg/L	1.75	1.51	0.5	-	7.52	7.68	0.5	2.11%	3.00	2.96	0.5	1.34%
	Aluminum (Al)	mg/L	0.336	0.320	0.003	4.88%	0.0882	0.130	0.003	38.31%	0.526	0.499	0.003	5.27%
Total Metals	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00085	0.00080	0.0001	6.06%	0.00069	0.00073	0.0001	5.63%	0.00095	0.00091	0.0001	4.3%
	Barium (Ba)	mg/L	0.0122	0.0117	0.0001	4.18%	0.00921	0.00981	0.0001	6.31%	0.0121	0.0116	0.0001	4.22%
	Beryllium (Be)	mg/L	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-	0.000022	0.000021	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	<0.0000050	0.0000062	0.000005	-	<0.0000050	0.0000062	0.000005	-	0.0000097	0.0000088	0.000005	-
	Calcium (Ca)	mg/L	16.2	16.8	0.05	3.64%	19.2	19.5	0.05	1.55%	15.0	15.3	0.05	1.98%
	Chromium (Cr)	mg/L	0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	0.00054	0.00054	0.0005	-
	Cobalt (Co)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	0.00010	0.0001	-	0.00014	0.00014	0.0001	-
	Copper (Cu)	mg/L	<0.00050	<0.00050	0.0005	-	0.00055	0.00064	0.0005	-	0.00063	0.00061	0.0005	-
	Iron (Fe)	mg/L	0.232	0.223	0.01	3.96%	0.216	0.272	0.01	22.95%	0.375	0.359	0.01	4.36%
	Lead (Pb)	mg/L	0.000225	0.000210	0.00005	-	<0.000050	0.000058	0.00005	-	0.000278	0.000270	0.00005	2.92%
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	3.70	3.65	0.1	1.36%	4.60	4.50	0.1	2.2%	3.25	3.16	0.1	2.81%
	Manganese (Mn)	mg/L	0.00832	0.00848	0.0001	1.9%	0.0461	0.0464	0.0001	0.65%	0.0152	0.0153	0.0001	0.66%
	Mercury (Hg)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Molybdenum (Mo)	mg/L	0.000969	0.000945	0.00005	2.51%	0.000802	0.000802	0.00005	0%	0.000824	0.000779	0.00005	5.61%
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	0.070	0.091	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	0.679	0.674	0.1	0.74%	1.64	1.60	0.1	2.47%	0.656	0.652	0.1	0.61%
	Selenium (Se)	mg/L	0.000100	0.000071	0.00005	-	0.000117	0.000109	0.00005	-	0.000125	0.000086	0.00005	-
	Silicon (Si)	mg/L	7.13	6.90	0.1	3.28%	4.73	4.77	0.1	0.84%	7.15	7.16	0.1	0.14%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-03-25				2025-04-01				2025-04-04			
			DC-10				CC-15				DC-05			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Total Metals <i>(cont'd)</i>	Sodium (Na)	mg/L	3.88	3.97	0.05	2.29%	3.79	3.82	0.05	0.79%	3.64	3.62	0.05	0.55%
	Strontium (Sr)	mg/L	0.111	0.115	0.0002	3.54%	0.106	0.109	0.0002	2.79%	0.0939	0.0923	0.0002	1.72%
	Sulfur (S)	mg/L	1.31	1.40	0.5	-	1.32	1.51	0.5	-	1.02	1.01	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	0.00755	0.00702	0.0003	7.28%	0.00338	0.00610	0.0003	57.38%	0.0131	0.0125	0.0003	4.69%
	Uranium (U)	mg/L	0.000434	0.000422	0.00001	2.8%	0.000167	0.000174	0.00001	4.11%	0.000289	0.000283	0.00001	2.1%
	Vanadium (V)	mg/L	0.00086	0.00087	0.0005	-	0.00067	0.00077	0.0005	-	0.00114	0.00110	0.0005	-
	Zinc (Zn)	mg/L	<0.0030	<0.0030	0.003	-	<0.0030	<0.0030	0.003	-	<0.0030	<0.0030	0.003	-
Dissolved Metals	Aluminum (Al)	mg/L	0.0319	0.0372	0.001	15.34%	0.0082	0.0113	0.001	31.79%	0.0510	0.0508	0.001	0.39%
	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00049	0.00052	0.0001	-	0.00061	0.00060	0.0001	1.65%	0.00051	0.00054	0.0001	5.71%
	Barium (Ba)	mg/L	0.00878	0.00888	0.0001	1.13%	0.00757	0.00780	0.0001	2.99%	0.00814	0.00816	0.0001	0.25%
	Beryllium (Be)	mg/L	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Calcium (Ca)	mg/L	16.8	17.0	0.05	1.18%	19.9	19.8	0.05	0.5%	14.0	14.1	0.05	0.71%
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Cobalt (Co)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Copper (Cu)	mg/L	<0.00020	<0.00020	0.0002	-	0.00039	0.00042	0.0002	-	0.00022	0.00021	0.0002	-
	Iron (Fe)	mg/L	0.018	0.022	0.01	-	0.088	0.092	0.01	4.44%	0.038	0.038	0.01	-
	Lead (Pb)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	3.51	3.39	0.1	3.48%	4.85	4.94	0.1	1.84%	2.76	2.88	0.1	4.26%
	Manganese (Mn)	mg/L	0.00163	0.00171	0.0001	4.79%	0.0403	0.0395	0.0001	2.01%	0.00318	0.00324	0.0001	1.87%
	Mercury (Hg)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Molybdenum (Mo)	mg/L	0.000943	0.000937	0.00005	0.64%	0.000769	0.000794	0.00005	3.2%	0.000869	0.000832	0.00005	4.35%
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	0.062	0.053	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	0.601	0.595	0.1	1%	1.55	1.52	0.1	1.95%	0.553	0.568	0.1	2.68%
	Selenium (Se)	mg/L	0.000066	0.000073	0.00005	-	0.000075	<0.000050	0.00005	-	0.000057	0.000082	0.00005	-
	Silicon (Si)	mg/L	6.43	6.30	0.05	2.04%	4.57	4.39	0.05	4.02%	6.14	6.05	0.05	1.48%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Sodium (Na)	mg/L	3.82	3.79	0.05	0.79%	3.76	3.71	0.05	1.34%	3.32	3.25	0.05	2.13%
	Strontium (Sr)	mg/L	0.112	0.110	0.0002	1.8%	0.104	0.107	0.0002	2.84%	0.103	0.0980	0.0002	4.98%
	Sulfur (S)	mg/L	1.33	1.12	0.5	-	1.28	1.11	0.5	-	0.63	0.82	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	0.00084	0.00110	0.0003	-	<0.00030	0.00031	0.0003	-	0.00146	0.00160	0.0003	-
	Uranium (U)	mg/L	0.000394	0.000392	0.00001	0.51%	0.000155	0.000160	0.00001	3.17%	0.000253	0.000246	0.00001	2.81%
	Vanadium (V)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Zinc (Zn)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-

Notes:

DL = Detection Limit; RPD = Relative Percent Difference.

"<" value is below the detection limit.

"-" indicates RPD was not computed because one or both concentrations were less than 5 times the detection limit.

Light gray shading indicates RPD was between 20 and 50%; dark gray shading indicated RPD was greater than 50%.

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-04-09				2025-04-14				2025-04-27			
			CC-20				661-04				705-05			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Physical Tests	pH	pH units	7.99	7.99	0.1	0%	7.44	7.45	0.1	0.13%	7.10	7.10	0.1	0%
	Total Suspended Solids	mg/L	7.3	5.9	3	-	<3.0	<3.0	3	-	3.8	<3.0	3	-
	Total Dissolved Solids	mg/L	89	92	13	3.31%	80	74	10	7.79%	53	51	10	3.85%
	Conductivity	µS/cm	142	138	2	2.86%	75.4	73.8	2	2.14%	40.5	39.5	2	2.5%
	Turbidity	NTU	4.14	3.92	0.1	5.46%	8.54	8.38	0.1	1.89%	2.27	2.16	0.1	4.97%
	Acidity (as CaCO ₃)	mg/L	<2.0	<2.0	2	-	2.0	2.1	2	-	3.9	3.6	2	-
	Alkalinity, Total (as CaCO ₃)	mg/L	66.2	65.5	1	1.06%	29.1	28.7	1	1.38%	14.8	14.7	1	0.68%
	Hardness (as CaCO ₃)-Total	mg/L	66.2	65.4	0.6	1.22%	30.4	30.2	0.6	0.66%	17.7	17.4	0.6	1.71%
	Hardness (as CaCO ₃)-Dissolved	mg/L	65.8	65.7	0.6	0.15%	28.6	28.4	0.6	0.7%	19.1	19.4	0.6	1.56%
Anions and Nutrients	Bromide (Br)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Chloride (Cl)	mg/L	0.65	0.62	0.5	-	1.36	1.35	0.5	-	0.52	0.61	0.5	-
	Fluoride (F)	mg/L	0.058	0.058	0.02	-	0.038	0.040	0.02	-	0.021	0.022	0.02	-
	Sulfate (SO ₄)	mg/L	6.14	6.11	0.3	0.49%	4.79	4.78	0.3	0.21%	1.49	1.46	0.3	-
	Total Kjeldahl Nitrogen	mg/L	0.354	0.341	0.05	3.74%	0.228	0.234	0.05	-	0.346	0.345	0.05	0.29%
	Ammonia, Total (as N)	mg/L	0.0111	0.0083	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	0.0053	0.005	-
	Nitrate (as N)	mg/L	0.0652	0.0647	0.005	0.77%	0.121	0.123	0.005	1.64%	0.0330	0.0114	0.005	-
	Nitrite (as N)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Orthophosphate-Dissolved (as P)	mg/L	0.0050	0.0051	0.001	1.98%	0.0112	0.0113	0.001	0.89%	<0.0010	<0.0010	0.001	-
	Total Phosphate (as P)	mg/L	0.0294	0.0330	0.002	11.54%	0.0374	0.0358	0.002	4.37%	0.0181	0.0179	0.002	1.11%
Cyanides	Cyanide, Strong Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
	Cyanide, Weak Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
	Thiocyanate	mg/L	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-	0.65	0.61	0.5	-
Organic / Inorganic Carbon	Total Organic Carbon	mg/L	9.46	9.31	0.5	1.6%	8.62	8.65	0.5	0.35%	14.7	15.3	0.5	4%
	Dissolved Organic Carbon	mg/L	8.69	8.65	0.5	0.46%	8.85	10.2	0.5	14.17%	14.1	15.1	0.5	6.85%
Total Metals	Aluminum (Al)	mg/L	0.192	0.235	0.003	20.14%	0.525	0.498	0.003	5.28%	0.211	0.208	0.003	1.43%
	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	0.00015	0.00013	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00096	0.00098	0.0001	2.06%	0.00153	0.00145	0.0001	5.37%	0.00026	0.00024	0.0001	-
	Barium (Ba)	mg/L	0.0104	0.0109	0.0001	4.69%	0.00889	0.00849	0.0001	4.6%	0.00866	0.00857	0.0001	1.04%
	Beryllium (Be)	mg/L	<0.000020	<0.000020	0.00002	-	0.000023	0.000022	0.00002	-	0.000026	0.000028	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	<0.0000050	<0.0000050	0.000005	-	0.0000339	0.0000303	0.000005	11.21%	0.0000056	<0.0000050	0.000005	-
	Calcium (Ca)	mg/L	19.2	19.0	0.05	1.05%	8.32	8.33	0.05	0.12%	5.62	5.51	0.05	1.98%
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	0.00071	0.00064	0.0005	-	<0.00050	<0.00050	0.0005	-
	Cobalt (Co)	mg/L	0.00011	0.00012	0.0001	-	0.00016	0.00015	0.0001	-	<0.00010	<0.00010	0.0001	-
	Copper (Cu)	mg/L	0.00066	0.00069	0.0005	-	0.00076	0.00076	0.0005	-	0.00053	0.00052	0.0005	-
	Iron (Fe)	mg/L	0.388	0.438	0.01	12.11%	0.454	0.446	0.01	1.78%	0.222	0.216	0.01	2.74%
	Lead (Pb)	mg/L	0.000068	0.000090	0.00005	-	0.000386	0.000370	0.00005	4.23%	<0.000050	<0.000050	0.00005	-
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	4.43	4.36	0.1	1.59%	2.34	2.29	0.1	2.16%	0.889	0.881	0.1	0.9%
	Manganese (Mn)	mg/L	0.0576	0.0593	0.0001	2.91%	0.0175	0.0170	0.0001	2.9%	0.0423	0.0421	0.0001	0.47%
	Mercury (Hg)	mg/L	<0.0000050	<0.0000050	0.000005	-	0.0000057	<0.0000050	0.000005	-	0.0000061	0.0000065	0.000005	-
	Molybdenum (Mo)	mg/L	0.000720	0.000676	0.00005	6.3%	0.000359	0.000356	0.00005	0.84%	0.000373	0.000342	0.00005	8.67%
	Nickel (Ni)	mg/L	0.00076	0.00085	0.0005	-	<0.00050	0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	0.061	0.062	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	1.15	1.12	0.1	2.64%	0.956	0.943	0.1	1.37%	0.550	0.545	0.1	0.91%
	Selenium (Se)	mg/L	0.000070	0.000082	0.00005	-	0.000053	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Silicon (Si)	mg/L	5.19	5.27	0.1	1.53%	7.16	7.06	0.1	1.41%	4.36	4.21	0.1	3.5%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	0.000019	0.000018	0.00001	-	<0.000010	<0.000010	0.00001	-

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-04-09				2025-04-14				2025-04-27			
			CC-20				661-04				705-05			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Total Metals <i>(cont'd)</i>	Sodium (Na)	mg/L	3.32	3.12	0.05	6.21%	3.09	3.11	0.05	0.65%	1.68	1.60	0.05	4.88%
	Strontium (Sr)	mg/L	0.102	0.0986	0.0002	3.39%	0.0590	0.0581	0.0002	1.54%	0.0470	0.0485	0.0002	3.14%
	Sulfur (S)	mg/L	1.75	1.91	0.5	-	1.69	1.71	0.5	-	0.51	<0.50	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	0.00627	0.00915	0.0003	37.35%	0.0143	0.0136	0.0003	5.02%	0.00374	0.00382	0.0003	2.12%
	Uranium (U)	mg/L	0.000156	0.000162	0.00001	3.77%	0.000086	0.000079	0.00001	8.48%	0.000183	0.000177	0.00001	3.33%
	Vanadium (V)	mg/L	0.00106	0.00112	0.0005	-	0.00138	0.00136	0.0005	-	<0.00050	<0.00050	0.0005	-
	Zinc (Zn)	mg/L	<0.0030	<0.0030	0.003	-	0.0147	0.0144	0.003	-	<0.0030	<0.0030	0.003	-
Dissolved Metals	Aluminum (Al)	mg/L	0.0278	0.0263	0.001	5.55%	0.164	0.164	0.001	0%	0.144	0.133	0.001	7.94%
	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	0.00011	0.00011	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00066	0.00058	0.0001	12.9%	0.00124	0.00107	0.0001	14.72%	0.00021	0.00018	0.0001	-
	Barium (Ba)	mg/L	0.00925	0.00924	0.0001	0.11%	0.00568	0.00574	0.0001	1.05%	0.00811	0.00776	0.0001	4.41%
	Beryllium (Be)	mg/L	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-	0.000025	0.000026	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	<0.0000050	<0.0000050	0.000005	-	0.0000466	0.0000206	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Calcium (Ca)	mg/L	19.0	18.9	0.05	0.53%	8.15	7.96	0.05	2.36%	6.21	6.33	0.05	1.91%
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Cobalt (Co)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Copper (Cu)	mg/L	0.00045	0.00045	0.0002	-	0.00042	0.00046	0.0002	-	0.00052	0.00048	0.0002	-
	Iron (Fe)	mg/L	0.109	0.111	0.01	1.82%	0.141	0.136	0.01	3.61%	0.145	0.143	0.01	1.39%
	Lead (Pb)	mg/L	<0.000050	<0.000050	0.00005	-	0.000112	0.000093	0.00005	-	<0.000050	<0.000050	0.00005	-
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	4.45	4.50	0.1	1.12%	2.01	2.07	0.1	2.94%	0.871	0.861	0.1	1.15%
	Manganese (Mn)	mg/L	0.0428	0.0421	0.0001	1.65%	0.00712	0.00666	0.0001	6.68%	0.0320	0.0320	0.0001	0%
	Mercury (Hg)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	0.0000062	0.000005	-	0.0000062	0.0000060	0.000005	-
	Molybdenum (Mo)	mg/L	0.000638	0.000664	0.00005	3.99%	0.000336	0.000335	0.00005	0.3%	0.000349	0.000328	0.00005	6.2%
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	1.14	1.10	0.1	3.57%	0.869	0.879	0.1	1.14%	0.543	0.530	0.1	2.42%
	Selenium (Se)	mg/L	0.000068	0.000059	0.00005	-	0.000077	0.000058	0.00005	-	<0.000050	<0.000050	0.00005	-
	Silicon (Si)	mg/L	4.62	4.78	0.05	3.4%	6.51	6.62	0.05	1.68%	4.21	3.95	0.05	6.37%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	0.000014	0.000011	0.00001	-	<0.000010	<0.000010	0.00001	-
	Sodium (Na)	mg/L	3.32	3.28	0.05	1.21%	2.81	2.91	0.05	3.5%	1.67	1.64	0.05	1.81%
	Strontium (Sr)	mg/L	0.0996	0.101	0.0002	1.4%	0.0554	0.0559	0.0002	0.9%	0.0515	0.0506	0.0002	1.76%
	Sulfur (S)	mg/L	1.91	1.75	0.5	-	1.58	1.49	0.5	-	<0.50	<0.50	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	0.00108	0.00103	0.0003	-	0.00471	0.00465	0.0003	1.28%	0.00220	0.00203	0.0003	8.04%
	Uranium (U)	mg/L	0.000142	0.000144	0.00001	1.4%	0.000068	0.000069	0.00001	1.46%	0.000183	0.000185	0.00001	1.09%
	Vanadium (V)	mg/L	<0.00050	<0.00050	0.0005	-	0.00066	0.00067	0.0005	-	<0.00050	<0.00050	0.0005	-
	Zinc (Zn)	mg/L	<0.0010	<0.0010	0.001	-	0.0129	0.0122	0.001	5.58%	0.0011	<0.0010	0.001	-

Notes:
DL = Detection Limit; RPD = Relative Percent Difference.
"<" value is below the detection limit.
"- " indicates RPD was not computed because one or both concentrations were less than 5 times the detection limit.
Light gray shading indicates RPD was between 20 and 50%; dark gray shading indicated RPD was greater than 50%.

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-05-04				2025-05-05				2025-05-11			
			CC-05				705-05				CC-03			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Physical Tests	pH	pH units	7.73	7.73	0.1	0%	7.09	7.09	0.1	0%	7.95	7.97	0.1	0.25%
	Total Suspended Solids	mg/L	7.7	7.7	3	-	<3.0	<3.0	3	-	<3.0	4.8	3	-
	Total Dissolved Solids	mg/L	83	77	13	7.5%	42	45	10	-	84	79	13	6.13%
	Conductivity	µS/cm	76.7	76.0	2	0.92%	32.7	33.3	2	1.82%	120	121	2	0.83%
	Turbidity	NTU	3.47	3.38	0.1	2.63%	0.97	0.99	0.1	2.04%	1.08	1.08	0.1	0%
	Acidity (as CaCO ₃)	mg/L	<2.0	<2.0	2	-	2.7	2.7	2	-	<2.0	<2.0	2	-
	Alkalinity, Total (as CaCO ₃)	mg/L	37.8	37.6	1	0.53%	13.6	13.8	1	1.46%	61.8	61.7	1	0.16%
	Hardness (as CaCO ₃)-Total	mg/L	37.8	38.4	0.6	1.57%	15.4	15.5	0.6	0.65%	59.3	61.4	0.6	3.48%
	Hardness (as CaCO ₃)-Dissolved	mg/L	36.9	36.4	0.6	1.36%	15.8	15.8	0.6	0%	57.6	58.3	0.6	1.21%
Anions and Nutrients	Bromide (Br)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Chloride (Cl)	mg/L	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-
	Fluoride (F)	mg/L	0.043	0.044	0.02	-	<0.020	<0.020	0.02	-	0.060	0.060	0.02	-
	Sulfate (SO ₄)	mg/L	1.98	1.99	0.3	0.5%	1.26	1.26	0.3	-	2.00	1.96	0.3	2.02%
	Total Kjeldahl Nitrogen	mg/L	0.494	0.493	0.05	0.2%	0.326	0.311	0.05	4.71%	0.414	0.400	0.05	3.44%
	Ammonia, Total (as N)	mg/L	0.0296	0.0168	0.005	-	0.0078	0.0052	0.005	-	0.0085	0.0075	0.005	-
	Nitrate (as N)	mg/L	0.0062	0.0062	0.005	-	0.0061	0.0056	0.005	-	0.0061	0.0061	0.005	-
	Nitrite (as N)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Orthophosphate-Dissolved (as P)	mg/L	0.0051	0.0053	0.001	3.85%	<0.0010	<0.0010	0.001	-	0.0035	0.0035	0.001	-
Cyanides	Total Phosphate (as P)	mg/L	0.0349	0.0393	0.002	11.86%	0.0116	0.0114	0.002	1.74%	0.0177	0.0168	0.002	5.22%
	Cyanide, Strong Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
	Cyanide, Weak Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
Organic / Inorganic Carbon	Thiocyanate	mg/L	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-
	Total Organic Carbon	mg/L	15.2	15.9	0.5	4.5%	13.2	13.1	0.5	0.76%	11.0	10.7	0.5	2.76%
Total Metals	Dissolved Organic Carbon	mg/L	14.2	14.8	0.5	4.14%	13.3	13.4	0.5	0.75%	10.8	10.6	0.5	1.87%
	Aluminum (Al)	mg/L	0.309	0.305	0.003	1.3%	0.127	0.130	0.003	2.33%	0.0810	0.0761	0.003	6.24%
	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00076	0.00074	0.0001	2.67%	0.00022	0.00018	0.0001	-	0.00053	0.00048	0.0001	-
	Barium (Ba)	mg/L	0.00652	0.00645	0.0001	1.08%	0.00642	0.00653	0.0001	1.7%	0.00604	0.00590	0.0001	2.35%
	Beryllium (Be)	mg/L	0.000022	0.000021	0.00002	-	0.000029	0.000027	0.00002	-	<0.000020	<0.000020	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	0.0000117	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Calcium (Ca)	mg/L	10.4	10.5	0.05	0.96%	4.95	4.98	0.05	0.6%	15.9	16.2	0.05	1.87%
	Chromium (Cr)	mg/L	<0.00050	0.00052	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Cobalt (Co)	mg/L	0.00015	0.00014	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Copper (Cu)	mg/L	0.00094	0.00094	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Iron (Fe)	mg/L	0.410	0.387	0.01	5.77%	0.141	0.157	0.01	10.74%	0.138	0.119	0.01	14.79%
	Lead (Pb)	mg/L	0.000081	0.000095	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	2.87	2.97	0.1	3.42%	0.748	0.747	0.1	0.13%	4.76	5.08	0.1	6.5%
	Manganese (Mn)	mg/L	0.0335	0.0314	0.0001	6.47%	0.00782	0.0116	0.0001	38.93%	0.0286	0.0245	0.0001	15.44%
	Mercury (Hg)	mg/L	0.0000051	0.0000051	0.000005	-	0.0000051	0.0000053	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Molybdenum (Mo)	mg/L	0.000464	0.000471	0.00005	1.5%	0.000311	0.000302	0.00005	2.94%	0.000591	0.000603	0.00005	2.01%
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	0.670	0.688	0.1	2.65%	0.435	0.439	0.1	-	0.736	0.775	0.1	5.16%
	Selenium (Se)	mg/L	0.000074	0.000069	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	0.000053	0.00005	-
	Silicon (Si)	mg/L	4.70	4.77	0.1	1.48%	3.75	3.80	0.1	1.32%	3.56	3.47	0.1	2.56%
	Silver (Ag)	mg/L	0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-05-04				2025-05-05				2025-05-11			
			CC-05				705-05				CC-03			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Total Metals <i>(cont'd)</i>	Sodium (Na)	mg/L	2.86	2.90	0.05	1.39%	1.46	1.46	0.05	0%	2.98	3.08	0.05	3.3%
	Strontium (Sr)	mg/L	0.0513	0.0523	0.0002	1.93%	0.0402	0.0394	0.0002	2.01%	0.0733	0.0727	0.0002	0.82%
	Sulfur (S)	mg/L	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-	0.69	0.64	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	0.00978	0.0101	0.0003	3.22%	0.00158	0.00170	0.0003	7.32%	0.00322	0.00308	0.0003	4.44%
	Uranium (U)	mg/L	0.000131	0.000128	0.00001	2.32%	0.000189	0.000194	0.00001	2.61%	0.000054	0.000053	0.00001	1.87%
	Vanadium (V)	mg/L	0.00123	0.00123	0.0005	-	<0.00050	<0.00050	0.0005	-	0.00057	0.00056	0.0005	-
	Zinc (Zn)	mg/L	<0.0030	<0.0030	0.003	-	<0.0030	<0.0030	0.003	-	<0.0030	<0.0030	0.003	-
Dissolved Metals	Aluminum (Al)	mg/L	0.118	0.116	0.001	1.71%	0.122	0.123	0.001	0.82%	0.0253	0.0261	0.001	3.11%
	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00055	0.00052	0.0001	5.61%	0.00021	0.00019	0.0001	-	0.00043	0.00040	0.0001	-
	Barium (Ba)	mg/L	0.00455	0.00446	0.0001	2%	0.00589	0.00616	0.0001	4.48%	0.00517	0.00521	0.0001	0.77%
	Beryllium (Be)	mg/L	<0.000020	<0.000020	0.00002	-	0.000027	0.000026	0.00002	-	<0.000020	<0.000020	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Calcium (Ca)	mg/L	10.1	9.98	0.05	1.2%	5.05	5.05	0.05	0%	15.5	15.9	0.05	2.55%
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Cobalt (Co)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Copper (Cu)	mg/L	0.00071	0.00066	0.0002	-	0.00048	0.00043	0.0002	-	0.00029	0.00030	0.0002	-
	Iron (Fe)	mg/L	0.123	0.121	0.01	1.64%	0.104	0.106	0.01	1.9%	0.052	0.049	0.01	-
	Lead (Pb)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	2.84	2.79	0.1	1.78%	0.784	0.770	0.1	1.8%	4.60	4.52	0.1	1.75%
	Manganese (Mn)	mg/L	0.00591	0.00540	0.0001	9.02%	0.00425	0.00400	0.0001	6.06%	0.00815	0.00618	0.0001	27.49%
	Mercury (Hg)	mg/L	<0.0000050	0.0000051	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Molybdenum (Mo)	mg/L	0.000459	0.000441	0.00005	4%	0.000293	0.000293	0.00005	0%	0.000527	0.000597	0.00005	12.46%
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	0.675	0.654	0.1	3.16%	0.442	0.432	0.1	-	0.764	0.753	0.1	1.45%
	Selenium (Se)	mg/L	0.000077	0.000071	0.00005	-	<0.000050	<0.000050	0.00005	-	0.000053	<0.000050	0.00005	-
	Silicon (Si)	mg/L	4.44	4.31	0.05	2.97%	3.86	3.69	0.05	4.5%	3.36	3.32	0.05	1.2%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Sodium (Na)	mg/L	2.89	2.81	0.05	2.81%	1.59	1.53	0.05	3.85%	3.06	2.99	0.05	2.31%
	Strontium (Sr)	mg/L	0.0511	0.0508	0.0002	0.59%	0.0398	0.0385	0.0002	3.32%	0.0704	0.0729	0.0002	3.49%
	Sulfur (S)	mg/L	0.66	0.60	0.5	-	0.56	<0.50	0.5	-	<0.50	<0.50	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	0.00250	0.00269	0.0003	7.32%	0.00136	0.00139	0.0003	-	0.00099	0.00091	0.0003	-
	Uranium (U)	mg/L	0.000092	0.000094	0.00001	2.15%	0.000187	0.000192	0.00001	2.64%	0.000046	0.000047	0.00001	-
	Vanadium (V)	mg/L	0.00069	0.00067	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Zinc (Zn)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-

Notes:
DL = Detection Limit; RPD = Relative Percent Difference.
"<" value is below the detection limit.
"- " indicates RPD was not computed because one or both concentrations were less than 5 times the detection limit.
Light gray shading indicates RPD was between 20 and 50%; dark gray shading indicated RPD was greater than 50%.

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-05-13				2025-05-14				2025-05-14			
			TC-05				661-01				661-10			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Physical Tests	pH	pH units	7.52	7.53	0.1	0.13%	6.70	6.70	0.1	0%	7.03	7.03	0.1	0%
	Total Suspended Solids	mg/L	<3.0	<3.0	3	-	<3.0	<3.0	3	-	4.2	3.0	3	-
	Total Dissolved Solids	mg/L	72	69	13	4.26%	41	45	10	-	47	50	10	-
	Conductivity	µS/cm	69.4	69.4	2	0%	17.0	17.4	2	2.33%	28.3	28.4	2	0.35%
	Turbidity	NTU	1.02	1.00	0.1	1.98%	0.43	0.40	0.1	-	1.27	1.45	0.1	13.24%
	Acidity (as CaCO ₃)	mg/L	2.4	2.5	2	-	2.4	2.3	2	-	<2.0	<2.0	2	-
	Alkalinity, Total (as CaCO ₃)	mg/L	34.0	33.9	1	0.29%	5.9	5.8	1	1.71%	10.6	10.6	1	0%
	Hardness (as CaCO ₃)-Total	mg/L	32.8	34.4	0.6	4.76%	6.92	7.29	0.6	5.21%	12.3	12.2	0.6	0.82%
	Hardness (as CaCO ₃)-Dissolved	mg/L	33.5	34.3	0.6	2.36%	6.94	6.99	0.6	0.72%	12.3	12.9	0.6	4.76%
Anions and Nutrients	Bromide (Br)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Chloride (Cl)	mg/L	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-
	Fluoride (F)	mg/L	0.041	0.039	0.02	-	0.027	0.026	0.02	-	0.035	0.036	0.02	-
	Sulfate (SO ₄)	mg/L	1.73	1.73	0.3	0%	0.32	0.31	0.3	-	0.91	0.92	0.3	-
	Total Kjeldahl Nitrogen	mg/L	0.298	0.296	0.05	0.67%	0.304	0.316	0.05	3.87%	0.275	0.319	0.05	14.81%
	Ammonia, Total (as N)	mg/L	0.0076	0.0064	0.005	-	<0.0050	<0.0050	0.005	-	0.0063	0.0062	0.005	-
	Nitrate (as N)	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
	Nitrite (as N)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Orthophosphate-Dissolved (as P)	mg/L	0.0015	0.0016	0.001	-	<0.0010	<0.0010	0.001	-	0.0029	0.0029	0.001	-
Cyanides	Total Phosphate (as P)	mg/L	0.0138	0.0116	0.002	17.32%	0.0112	0.0126	0.002	11.76%	0.0175	0.0166	0.002	5.28%
	Cyanide, Strong Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
	Cyanide, Weak Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
Organic / Inorganic Carbon	Thiocyanate	mg/L	<0.50	0.50	0.5	-	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-
	Total Organic Carbon	mg/L	14.6	15.0	0.5	2.7%	14.0	13.9	0.5	0.72%	14.5	14.8	0.5	2.05%
Total Metals	Dissolved Organic Carbon	mg/L	14.3	14.7	0.5	2.76%	13.5	14.2	0.5	5.05%	14.3	14.4	0.5	0.7%
	Aluminum (Al)	mg/L	0.135	0.143	0.003	5.76%	0.203	0.204	0.003	0.49%	0.249	0.224	0.003	10.57%
	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00030	0.00033	0.0001	-	0.00052	0.00054	0.0001	3.77%	0.00063	0.00060	0.0001	4.88%
	Barium (Ba)	mg/L	0.00640	0.00678	0.0001	5.77%	0.00270	0.00266	0.0001	1.49%	0.00363	0.00346	0.0001	4.8%
	Beryllium (Be)	mg/L	0.000026	0.000026	0.00002	-	0.000027	0.000024	0.00002	-	0.000027	0.000032	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	0.0000124	0.0000070	0.000005	-
	Calcium (Ca)	mg/L	10.3	10.7	0.05	3.81%	1.96	2.10	0.05	6.9%	3.49	3.42	0.05	2.03%
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Cobalt (Co)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Copper (Cu)	mg/L	0.00067	0.00071	0.0005	-	0.00054	0.00054	0.0005	-	0.00070	0.00068	0.0005	-
	Iron (Fe)	mg/L	0.179	0.184	0.01	2.75%	0.130	0.131	0.01	0.77%	0.200	0.173	0.01	14.48%
	Lead (Pb)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	0.000062	<0.000050	0.00005	-
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	1.73	1.88	0.1	8.31%	0.493	0.496	0.1	-	0.862	0.884	0.1	2.52%
	Manganese (Mn)	mg/L	0.00664	0.00663	0.0001	0.15%	0.00488	0.00508	0.0001	4.02%	0.00784	0.00638	0.0001	20.53%
	Mercury (Hg)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	0.0000057	0.000005	-	0.0000058	0.0000056	0.000005	-
	Molybdenum (Mo)	mg/L	0.000314	0.000329	0.00005	4.67%	0.000092	0.000089	0.00005	-	0.000188	0.000173	0.00005	-
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	0.464	0.506	0.1	-	0.172	0.176	0.1	-	0.285	0.283	0.1	-
	Selenium (Se)	mg/L	0.000052	0.000072	0.00005	-	<0.000050	0.000064	0.00005	-	0.000059	<0.000050	0.00005	-
	Silicon (Si)	mg/L	4.83	4.98	0.1	3.06%	3.77	3.82	0.1	1.32%	4.52	4.66	0.1	3.05%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	0.000010	0.00001	-

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-05-13				2025-05-14				2025-05-14			
			TC-05				661-01				661-10			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Total Metals <i>(cont'd)</i>	Sodium (Na)	mg/L	2.14	2.31	0.05	7.64%	1.52	1.46	0.05	4.03%	1.82	1.81	0.05	0.55%
	Strontium (Sr)	mg/L	0.0539	0.0543	0.0002	0.74%	0.0171	0.0178	0.0002	4.01%	0.0259	0.0254	0.0002	1.95%
	Sulfur (S)	mg/L	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	0.00181	0.00213	0.0003	16.24%	0.00121	0.00126	0.0003	-	0.00412	0.00316	0.0003	26.37%
	Uranium (U)	mg/L	0.000114	0.000115	0.00001	0.87%	0.000075	0.000080	0.00001	6.45%	0.000109	0.000104	0.00001	4.69%
	Vanadium (V)	mg/L	0.00057	0.00059	0.0005	-	<0.00050	<0.00050	0.0005	-	0.00075	0.00072	0.0005	-
	Zinc (Zn)	mg/L	<0.0030	<0.0030	0.003	-	<0.0030	<0.0030	0.003	-	0.0032	<0.0030	0.003	-
Dissolved Metals	Aluminum (Al)	mg/L	0.109	0.113	0.001	3.6%	0.199	0.199	0.001	0%	0.180	0.186	0.001	3.28%
	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00028	0.00028	0.0001	-	0.00050	0.00047	0.0001	-	0.00055	0.00054	0.0001	1.83%
	Barium (Ba)	mg/L	0.00616	0.00620	0.0001	0.65%	0.00281	0.00275	0.0001	2.16%	0.00334	0.00327	0.0001	2.12%
	Beryllium (Be)	mg/L	0.000025	0.000030	0.00002	-	0.000024	0.000027	0.00002	-	0.000024	0.000024	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	0.0000084	0.0000091	0.000005	-
	Calcium (Ca)	mg/L	10.4	10.7	0.05	2.84%	1.95	1.96	0.05	0.51%	3.42	3.65	0.05	6.51%
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Cobalt (Co)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Copper (Cu)	mg/L	0.00059	0.00059	0.0002	-	0.00053	0.00051	0.0002	-	0.00068	0.00067	0.0002	-
	Iron (Fe)	mg/L	0.148	0.142	0.01	4.14%	0.117	0.115	0.01	1.72%	0.138	0.139	0.01	0.72%
	Lead (Pb)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	1.84	1.84	0.1	0%	0.503	0.510	0.1	1.38%	0.909	0.920	0.1	1.2%
	Manganese (Mn)	mg/L	0.00510	0.00488	0.0001	4.41%	0.00205	0.00198	0.0001	3.47%	0.00366	0.00389	0.0001	6.09%
	Mercury (Hg)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	0.0000051	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Molybdenum (Mo)	mg/L	0.000302	0.000307	0.00005	1.64%	0.000085	0.000079	0.00005	-	0.000157	0.000164	0.00005	-
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	0.547	0.545	0.1	0.37%	0.189	0.193	0.1	-	0.309	0.322	0.1	-
	Selenium (Se)	mg/L	0.000056	0.000058	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Silicon (Si)	mg/L	5.18	5.14	0.05	0.78%	3.92	3.83	0.05	2.32%	4.72	4.65	0.05	1.49%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Sodium (Na)	mg/L	2.22	2.25	0.05	1.34%	1.42	1.48	0.05	4.14%	1.87	1.88	0.05	0.53%
	Strontium (Sr)	mg/L	0.0540	0.0536	0.0002	0.74%	0.0161	0.0169	0.0002	4.85%	0.0236	0.0235	0.0002	0.42%
	Sulfur (S)	mg/L	<0.50	0.66	0.5	-	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	0.00123	0.00140	0.0003	-	0.00097	0.00096	0.0003	-	0.00190	0.00184	0.0003	3.21%
	Uranium (U)	mg/L	0.000105	0.000105	0.00001	0%	0.000072	0.000071	0.00001	1.4%	0.000088	0.000094	0.00001	6.59%
	Vanadium (V)	mg/L	0.00052	0.00054	0.0005	-	<0.00050	<0.00050	0.0005	-	0.00063	0.00066	0.0005	-
	Zinc (Zn)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	0.0026	0.0027	0.001	-

Notes:

DL = Detection Limit; RPD = Relative Percent Difference.

"<" value is below the detection limit.

"-" indicates RPD was not computed because one or both concentrations were less than 5 times the detection limit.

Light gray shading indicates RPD was between 20 and 50%; dark gray shading indicated RPD was greater than 50%.

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-05-19				2025-05-25				2025-06-01			
			705-10				661-10				DC-20			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Physical Tests	pH	pH units	7.25	7.24	0.1	0.14%	7.23	7.23	0.1	0%	7.63	7.64	0.1	0.13%
	Total Suspended Solids	mg/L	8.0	8.8	3	-	<3.0	<3.0	3	-	<3.0	<3.0	3	-
	Total Dissolved Solids	mg/L	66	62	10	6.25%	48	45	10	-	68	50	13	-
	Conductivity	µS/cm	37.1	36.6	2	1.36%	33.1	33.0	2	0.3%	59.0	63.2	2	6.87%
	Turbidity	NTU	3.88	4.02	0.1	3.54%	0.80	0.74	0.1	7.79%	6.42	6.38	0.1	0.63%
	Acidity (as CaCO ₃)	mg/L	3.2	3.2	2	-	3.2	3.3	2	-	2.1	2.1	2	-
	Alkalinity, Total (as CaCO ₃)	mg/L	13.3	13.8	1	3.69%	12.1	12.3	1	1.64%	28.0	28.0	1	0%
	Hardness (as CaCO ₃)-Total	mg/L	18.9	18.8	0.6	0.53%	13.8	13.6	0.6	1.46%	27.0	26.9	0.6	0.37%
	Hardness (as CaCO ₃)-Dissolved	mg/L	18.0	18.4	0.6	2.2%	13.7	13.8	0.6	0.73%	26.0	26.1	0.6	0.38%
Anions and Nutrients	Bromide (Br)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Chloride (Cl)	mg/L	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-	0.70	0.70	0.5	-
	Fluoride (F)	mg/L	0.020	0.021	0.02	-	0.033	0.033	0.02	-	0.034	0.034	0.02	-
	Sulfate (SO ₄)	mg/L	0.96	0.97	0.3	-	1.10	1.10	0.3	-	1.65	1.64	0.3	0.61%
	Total Kjeldahl Nitrogen	mg/L	0.417	0.407	0.05	2.43%	0.299	0.296	0.05	1.01%	0.218	0.215	0.05	-
	Ammonia, Total (as N)	mg/L	0.0054	0.0066	0.005	-	0.0056	0.0061	0.005	-	0.0050	<0.0050	0.005	-
	Nitrate (as N)	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
	Nitrite (as N)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Orthophosphate-Dissolved (as P)	mg/L	<0.0010	<0.0010	0.001	-	0.0031	0.0033	0.001	-	0.0014	0.0017	0.001	-
Cyanides	Total Phosphate (as P)	mg/L	0.0230	0.0220	0.002	4.44%	0.0140	0.0332	0.002	81.36%	0.0147	0.0151	0.002	2.68%
	Cyanide, Strong Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
	Cyanide, Weak Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
Organic / Inorganic Carbon	Thiocyanate	mg/L	0.63	0.59	0.5	-	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-
	Total Organic Carbon	mg/L	21.8	22.6	0.5	3.6%	15.0	15.2	0.5	1.32%	8.36	8.24	0.5	1.45%
Total Metals	Dissolved Organic Carbon	mg/L	20.8	21.1	0.5	1.43%	14.7	15.0	0.5	2.02%	7.85	7.92	0.5	0.89%
	Aluminum (Al)	mg/L	0.340	0.357	0.003	4.88%	0.209	0.189	0.003	10.05%	0.441	0.431	0.003	2.29%
	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	0.00012	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00024	0.00024	0.0001	-	0.00065	0.00061	0.0001	6.35%	0.00117	0.00112	0.0001	4.37%
	Barium (Ba)	mg/L	0.00917	0.00928	0.0001	1.19%	0.00373	0.00358	0.0001	4.1%	0.00863	0.00840	0.0001	2.7%
	Beryllium (Be)	mg/L	0.000045	0.000044	0.00002	-	<0.000020	0.000026	0.00002	-	0.000029	0.000029	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	<0.0000050	0.0000077	0.000005	-	0.0000111	0.0000096	0.000005	-	0.0000145	0.0000110	0.000005	-
	Calcium (Ca)	mg/L	5.98	5.92	0.05	1.01%	3.89	3.85	0.05	1.03%	8.14	8.12	0.05	0.25%
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Cobalt (Co)	mg/L	<0.00010	0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	0.00013	0.00013	0.0001	-
	Copper (Cu)	mg/L	0.00091	0.00093	0.0005	-	0.00068	0.00066	0.0005	-	0.00093	0.00093	0.0005	-
	Iron (Fe)	mg/L	0.300	0.315	0.01	4.88%	0.165	0.156	0.01	5.61%	0.383	0.393	0.01	2.58%
	Lead (Pb)	mg/L	0.000064	0.000067	0.00005	-	<0.000050	<0.000050	0.00005	-	0.000369	0.000354	0.00005	4.15%
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	0.958	0.990	0.1	3.29%	0.993	0.980	0.1	1.32%	1.62	1.62	0.1	0%
	Manganese (Mn)	mg/L	0.0135	0.0148	0.0001	9.19%	0.00606	0.00530	0.0001	13.38%	0.0185	0.0183	0.0001	1.09%
	Mercury (Hg)	mg/L	0.0000098	0.0000075	0.000005	-	0.0000079	0.0000064	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Molybdenum (Mo)	mg/L	0.000232	0.000227	0.00005	-	0.000186	0.000175	0.00005	-	0.000446	0.000459	0.00005	2.87%
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	0.335	0.339	0.1	-	0.319	0.312	0.1	-	0.671	0.667	0.1	0.6%
	Selenium (Se)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	0.000050	<0.000050	0.00005	-
	Silicon (Si)	mg/L	4.40	4.39	0.1	0.23%	4.82	4.71	0.1	2.31%	5.16	5.15	0.1	0.19%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	0.000011	<0.000010	0.00001	-

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-05-19				2025-05-25				2025-06-01			
			705-10				661-10				DC-20			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Total Metals <i>(cont'd)</i>	Sodium (Na)	mg/L	1.44	1.49	0.05	3.41%	1.93	1.87	0.05	3.16%	2.41	2.26	0.05	6.42%
	Strontium (Sr)	mg/L	0.0408	0.0411	0.0002	0.73%	0.0271	0.0256	0.0002	5.69%	0.0502	0.0513	0.0002	2.17%
	Sulfur (S)	mg/L	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	0.00762	0.00894	0.0003	15.94%	0.00265	0.00247	0.0003	7.03%	0.00931	0.00944	0.0003	1.39%
	Uranium (U)	mg/L	0.000265	0.000270	0.00001	1.87%	0.000103	0.000106	0.00001	2.87%	0.000168	0.000163	0.00001	3.02%
	Vanadium (V)	mg/L	0.00066	0.00066	0.0005	-	0.00080	0.00078	0.0005	-	0.00096	0.00097	0.0005	-
	Zinc (Zn)	mg/L	<0.0030	<0.0030	0.003	-	0.0034	0.0032	0.003	-	<0.0030	<0.0030	0.003	-
Dissolved Metals	Aluminum (Al)	mg/L	0.203	0.196	0.001	3.51%	0.154	0.158	0.001	2.56%	0.0837	0.105	0.001	22.58%
	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00020	0.00020	0.0001	-	0.00056	0.00058	0.0001	3.51%	0.00066	0.00070	0.0001	5.88%
	Barium (Ba)	mg/L	0.00815	0.00806	0.0001	1.11%	0.00315	0.00309	0.0001	1.92%	0.00641	0.00670	0.0001	4.42%
	Beryllium (Be)	mg/L	0.000036	0.000038	0.00002	-	<0.000020	0.000023	0.00002	-	<0.000020	<0.000020	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	0.0000050	<0.0000050	0.000005	-	0.0000095	0.0000099	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Calcium (Ca)	mg/L	5.62	5.81	0.05	3.32%	3.86	3.90	0.05	1.03%	7.64	7.70	0.05	0.78%
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Cobalt (Co)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Copper (Cu)	mg/L	0.00079	0.00080	0.0002	-	0.00070	0.00061	0.0002	-	0.00062	0.00065	0.0002	-
	Iron (Fe)	mg/L	0.141	0.135	0.01	4.35%	0.122	0.120	0.01	1.65%	0.110	0.119	0.01	7.86%
	Lead (Pb)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	0.965	0.955	0.1	1.04%	0.983	0.993	0.1	1.01%	1.69	1.68	0.1	0.59%
	Manganese (Mn)	mg/L	0.00244	0.00222	0.0001	9.44%	0.00347	0.00371	0.0001	6.69%	0.0111	0.0110	0.0001	0.9%
	Mercury (Hg)	mg/L	0.0000162	0.0000152	0.000005	-	<0.0000050	0.0000060	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Molybdenum (Mo)	mg/L	0.000205	0.000208	0.00005	-	0.000171	0.000185	0.00005	-	0.000422	0.000399	0.00005	5.6%
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	0.360	0.357	0.1	-	0.343	0.342	0.1	-	0.672	0.664	0.1	1.2%
	Selenium (Se)	mg/L	0.000076	0.000072	0.00005	-	0.000057	<0.000050	0.00005	-	0.000050	0.000072	0.00005	-
	Silicon (Si)	mg/L	4.05	3.99	0.05	1.49%	4.88	4.83	0.05	1.03%	4.54	4.53	0.05	0.22%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Sodium (Na)	mg/L	1.58	1.56	0.05	1.27%	1.92	1.92	0.05	0%	2.31	2.29	0.05	0.87%
	Strontium (Sr)	mg/L	0.0413	0.0403	0.0002	2.45%	0.0264	0.0264	0.0002	0%	0.0510	0.0500	0.0002	1.98%
	Sulfur (S)	mg/L	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	0.00268	0.00269	0.0003	0.37%	0.00142	0.00156	0.0003	-	0.00131	0.00175	0.0003	-
	Uranium (U)	mg/L	0.000237	0.000232	0.00001	2.13%	0.000094	0.000095	0.00001	1.06%	0.000130	0.000127	0.00001	2.33%
	Vanadium (V)	mg/L	<0.00050	<0.00050	0.0005	-	0.00068	0.00067	0.0005	-	<0.00050	<0.00050	0.0005	-
	Zinc (Zn)	mg/L	<0.0010	<0.0010	0.001	-	0.0032	0.0031	0.001	-	<0.0010	<0.0010	0.001	-

Notes:

DL = Detection Limit; RPD = Relative Percent Difference.

"<" value is below the detection limit.

"-" indicates RPD was not computed because one or both concentrations were less than 5 times the detection limit.

Light gray shading indicates RPD was between 20 and 50%; dark gray shading indicated RPD was greater than 50%.

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-06-22				2025-06-24				2025-06-27			
			CC-40				CC-03				661-04			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Physical Tests	pH	pH units	7.97	7.99	0.1	0.25%	8.14	8.13	0.1	0.12%	7.55	7.55	0.1	0%
	Total Suspended Solids	mg/L	5.2	5.2	3	-	<3.0	<3.0	3	-	<3.0	<3.0	3	-
	Total Dissolved Solids	mg/L	97	99	13	2.04%	133	135	13	1.49%	70	63	13	-
	Conductivity	µS/cm	140	139	2	0.72%	168	168	2	0%	59.1	59.2	2	0.17%
	Turbidity	NTU	2.25	2.19	0.1	2.7%	1.28	1.11	0.1	14.23%	8.00	7.40	0.1	7.79%
	Acidity (as CaCO ₃)	mg/L	<2.0	<2.0	2	-	<2.0	<2.0	2	-	2.5	2.1	2	-
	Alkalinity, Total (as CaCO ₃)	mg/L	71.7	71.9	1	0.28%	88.9	89.1	1	0.22%	29.7	28.8	1	3.08%
	Hardness (as CaCO ₃)-Total	mg/L	69.0	67.6	0.6	2.05%	91.0	90.9	0.6	0.11%	26.2	26.3	0.6	0.38%
	Hardness (as CaCO ₃)-Dissolved	mg/L	70.2	69.2	0.6	1.43%	86.0	89.2	0.6	3.65%	24.6	25.1	0.6	2.01%
Anions and Nutrients	Bromide (Br)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Chloride (Cl)	mg/L	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-
	Fluoride (F)	mg/L	0.051	0.052	0.02	-	0.056	0.056	0.02	-	0.041	0.041	0.02	-
	Sulfate (SO ₄)	mg/L	3.57	3.56	0.3	0.28%	6.49	6.46	0.3	0.46%	1.22	1.21	0.3	-
	Total Kjeldahl Nitrogen	mg/L	0.284	0.314	0.05	10.03%	0.293	0.283	0.05	3.47%	0.181	0.172	0.05	-
	Ammonia, Total (as N)	mg/L	0.0100	0.0084	0.005	-	0.0092	0.0092	0.005	-	0.0083	<0.0050	0.005	-
	Nitrate (as N)	mg/L	<0.0050	<0.0050	0.005	-	0.0071	0.0073	0.005	-	<0.0050	<0.0050	0.005	-
	Nitrite (as N)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Orthophosphate-Dissolved (as P)	mg/L	0.0046	0.0047	0.001	-	0.0100	0.0105	0.001	4.88%	0.0058	0.0061	0.001	5.04%
Cyanides	Total Phosphate (as P)	mg/L	0.0234	0.0220	0.002	6.17%	0.0234	0.0223	0.002	4.81%	0.0217	0.0227	0.002	4.5%
	Cyanide, Strong Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
	Cyanide, Weak Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
Organic / Inorganic Carbon	Thiocyanate	mg/L	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-
	Total Organic Carbon	mg/L	9.02	8.55	0.5	5.35%	8.59	8.36	0.5	2.71%	7.52	8.07	0.5	7.06%
Total Metals	Dissolved Organic Carbon	mg/L	8.33	8.52	0.5	2.26%	7.32	7.48	0.5	2.16%	7.15	7.64	0.5	6.63%
	Aluminum (Al)	mg/L	0.0896	0.0945	0.003	5.32%	0.0380	0.0274	0.003	32.42%	0.496	0.512	0.003	3.17%
Total Metals	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	0.00012	0.00012	0.0001	-
	Arsenic (As)	mg/L	0.00103	0.00104	0.0001	0.97%	0.00086	0.00085	0.0001	1.17%	0.00146	0.00149	0.0001	2.03%
	Barium (Ba)	mg/L	0.00919	0.00926	0.0001	0.76%	0.00745	0.00737	0.0001	1.08%	0.00732	0.00729	0.0001	0.41%
	Beryllium (Be)	mg/L	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-	0.000020	0.000024	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	0.0000311	0.0000349	0.000005	11.52%
	Calcium (Ca)	mg/L	19.8	19.3	0.05	2.56%	26.7	26.9	0.05	0.75%	7.63	7.62	0.05	0.13%
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	0.00066	0.00064	0.0005	-
	Cobalt (Co)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	0.00016	0.00016	0.0001	-
	Copper (Cu)	mg/L	0.00055	0.00054	0.0005	-	<0.00050	<0.00050	0.0005	-	0.00072	0.00076	0.0005	-
	Iron (Fe)	mg/L	0.344	0.334	0.01	2.95%	0.147	0.135	0.01	8.51%	0.378	0.395	0.01	4.4%
	Lead (Pb)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	0.000300	0.000300	0.00005	0%
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	4.75	4.71	0.1	0.85%	5.91	5.76	0.1	2.57%	1.75	1.77	0.1	1.14%
	Manganese (Mn)	mg/L	0.0684	0.0675	0.0001	1.32%	0.0396	0.0357	0.0001	10.36%	0.0203	0.0222	0.0001	8.94%
	Mercury (Hg)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Molybdenum (Mo)	mg/L	0.000875	0.000851	0.00005	2.78%	0.000883	0.000860	0.00005	2.64%	0.000411	0.000398	0.00005	3.21%
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	0.00054	0.00054	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	0.872	0.867	0.1	0.58%	0.808	0.790	0.1	2.25%	0.531	0.537	0.1	1.12%
	Selenium (Se)	mg/L	0.000072	0.000085	0.00005	-	0.000059	<0.000050	0.00005	-	0.000060	0.000071	0.00005	-
	Silicon (Si)	mg/L	4.38	4.32	0.1	1.38%	5.93	5.84	0.1	1.53%	6.94	7.10	0.1	2.28%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	0.000010	0.00001	-

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-06-22				2025-06-24				2025-06-27			
			CC-40				CC-03				661-04			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Total Metals <i>(cont'd)</i>	Sodium (Na)	mg/L	3.79	3.72	0.05	1.86%	3.52	3.39	0.05	3.76%	2.75	2.82	0.05	2.51%
	Strontium (Sr)	mg/L	0.103	0.106	0.0002	2.87%	0.101	0.0983	0.0002	2.71%	0.0472	0.0472	0.0002	0%
	Sulfur (S)	mg/L	1.32	1.18	0.5	-	2.40	2.51	0.5	-	<0.50	<0.50	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	0.00378	0.00363	0.0003	4.05%	0.00176	0.00105	0.0003	-	0.0123	0.0131	0.0003	6.3%
	Uranium (U)	mg/L	0.000140	0.000143	0.00001	2.12%	0.000108	0.000106	0.00001	1.87%	0.000096	0.000104	0.00001	8%
	Vanadium (V)	mg/L	0.00094	0.00093	0.0005	-	0.00064	0.00063	0.0005	-	0.00145	0.00156	0.0005	-
	Zinc (Zn)	mg/L	<0.0030	<0.0030	0.003	-	<0.0030	<0.0030	0.003	-	0.0122	0.0134	0.003	-
Dissolved Metals	Aluminum (Al)	mg/L	0.0100	0.0131	0.001	26.84%	0.0074	0.0072	0.001	2.74%	0.0933	0.117	0.001	22.54%
	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00084	0.00084	0.0001	0%	0.00078	0.00081	0.0001	3.77%	0.00117	0.00113	0.0001	3.48%
	Barium (Ba)	mg/L	0.00839	0.00838	0.0001	0.12%	0.00677	0.00698	0.0001	3.05%	0.00424	0.00441	0.0001	3.93%
	Beryllium (Be)	mg/L	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	0.0000212	0.0000200	0.000005	-
	Calcium (Ca)	mg/L	20.4	20.1	0.05	1.48%	24.6	25.2	0.05	2.41%	7.08	7.28	0.05	2.79%
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Cobalt (Co)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Copper (Cu)	mg/L	0.00044	0.00045	0.0002	-	0.00029	0.00032	0.0002	-	0.00046	0.00045	0.0002	-
	Iron (Fe)	mg/L	0.152	0.159	0.01	4.5%	0.075	0.079	0.01	5.19%	0.076	0.089	0.01	15.76%
	Lead (Pb)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	0.000062	0.00005	-
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	4.67	4.61	0.1	1.29%	5.96	6.37	0.1	6.65%	1.68	1.68	0.1	0%
	Manganese (Mn)	mg/L	0.0426	0.0426	0.0001	0%	0.0178	0.0182	0.0001	2.22%	0.00889	0.00908	0.0001	2.11%
	Mercury (Hg)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Molybdenum (Mo)	mg/L	0.000821	0.000817	0.00005	0.49%	0.000892	0.000854	0.00005	4.35%	0.000395	0.000434	0.00005	9.41%
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	0.905	0.897	0.1	0.89%	0.835	0.886	0.1	5.93%	0.463	0.469	0.1	-
	Selenium (Se)	mg/L	0.000062	0.000064	0.00005	-	0.000067	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Silicon (Si)	mg/L	4.03	3.97	0.05	1.5%	5.84	5.71	0.05	2.25%	5.59	5.78	0.05	3.34%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Sodium (Na)	mg/L	3.77	3.74	0.05	0.8%	3.73	3.70	0.05	0.81%	2.63	2.73	0.05	3.73%
	Strontium (Sr)	mg/L	0.105	0.104	0.0002	0.96%	0.104	0.105	0.0002	0.96%	0.0457	0.0455	0.0002	0.44%
	Sulfur (S)	mg/L	1.34	1.14	0.5	-	2.30	2.24	0.5	-	<0.50	<0.50	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	<0.00030	0.00052	0.0003	-	0.00031	0.00034	0.0003	-	0.00222	0.00306	0.0003	31.82%
	Uranium (U)	mg/L	0.000132	0.000132	0.00001	0%	0.000099	0.000098	0.00001	1.02%	0.000067	0.000071	0.00001	5.8%
	Vanadium (V)	mg/L	0.00057	0.00056	0.0005	-	0.00059	0.00057	0.0005	-	0.00073	0.00074	0.0005	-
	Zinc (Zn)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	0.0091	0.0093	0.001	2.17%

Notes:
DL = Detection Limit; RPD = Relative Percent Difference.
"<" value is below the detection limit.
"- " indicates RPD was not computed because one or both concentrations were less than 5 times the detection limit.
Light gray shading indicates RPD was between 20 and 50%; dark gray shading indicated RPD was greater than 50%.

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-07-07				2025-07-08				2025-07-13			
			CC-20				DC-05				CC-30			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Physical Tests	pH	pH units	8.05	8.06	0.1	0.12%	7.85	7.85	0.1	0%	8.13	8.13	0.1	0%
	Total Suspended Solids	mg/L	<3.0	<3.0	3	-	3.2	<3.0	3	-	<3.0	3.8	3	-
	Total Dissolved Solids	mg/L	102	98	13	4%	52	59	13	-	104	107	13	2.84%
	Conductivity	µS/cm	139	139	2	0%	89.8	90.4	2	0.67%	152	152	2	0%
	Turbidity	NTU	1.68	1.48	0.1	12.66%	11.8	10.6	0.1	10.71%	2.1	2.39	0.1	12.92%
	Acidity (as CaCO ₃)	mg/L	<2.0	<2.0	2	-	2	2	2	-	<2.0	<2.0	2	-
	Alkalinity, Total (as CaCO ₃)	mg/L	69.2	69.7	1	0.72%	42.4	43.1	1	1.64%	77	76.3	1	0.91%
	Hardness (as CaCO ₃)-Total	mg/L	66.8	63.6	0.6	4.91%	41.8	40.5	0.6	3.16%	69.7	70.2	0.6	0.71%
	Hardness (as CaCO ₃)-Dissolved	mg/L	64.1	65.3	0.6	1.85%	39.6	39.6	0.6	0%	71.8	70.2	0.6	2.25%
Anions and Nutrients	Bromide (Br)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Chloride (Cl)	mg/L	<0.50	<0.50	0.5	-	0.63	0.62	0.5	-	<0.50	<0.50	0.5	-
	Fluoride (F)	mg/L	0.051	0.053	0.02	-	0.043	0.042	0.02	-	0.053	0.054	0.02	-
	Sulfate (SO ₄)	mg/L	3.55	3.57	0.3	0.56%	2.9	2.89	0.3	0.35%	3.14	3.15	0.3	0.32%
	Total Kjeldahl Nitrogen	mg/L	0.316	0.301	0.05	4.86%	0.196	0.199	0.05	-	0.306	0.3	0.05	1.98%
	Ammonia, Total (as N)	mg/L	0.0085	0.0078	0.005	-	0.0142	0.0112	0.005	-	0.0091	0.009	0.005	-
	Nitrate (as N)	mg/L	<0.0050	<0.0050	0.005	-	0.0747	0.0737	0.005	1.35%	0.0063	<0.0050	0.005	-
	Nitrite (as N)	mg/L	<0.0010	<0.0010	0.001	-	0.0012	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Orthophosphate-Dissolved (as P)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	0.0057	0.0061	0.001	6.78%
Cyanides	Total Phosphate (as P)	mg/L	0.0192	0.016	0.002	18.18%	0.0197	0.0213	0.002	7.80%	0.0208	0.0206	0.002	0.97%
	Cyanide, Strong Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
	Cyanide, Weak Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
Organic / Inorganic Carbon	Thiocyanate	mg/L	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-
	Total Organic Carbon	mg/L	7.9	8.13	0.5	2.87%	5.68	6.11	0.5	7.29%	8.08	7.47	0.5	7.85%
Total Metals	Dissolved Organic Carbon	mg/L	7.44	8.15	0.5	9.11%	5.54	5.71	0.5	3.02%	7.28	7.49	0.5	2.84%
	Aluminum (Al)	mg/L	0.0364	0.0398	0.003	8.92%	0.671	0.667	0.003	0.60%	0.0248	0.0403	0.003	47.62%
Total Metals	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	0.00011	0.00011	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00076	0.00081	0.0001	6.37%	0.00175	0.00176	0.0001	0.57%	0.00101	0.00096	0.0001	5.08%
	Barium (Ba)	mg/L	0.008	0.00819	0.0001	2.35%	0.0126	0.0124	0.0001	1.60%	0.00836	0.00854	0.0001	2.13%
	Beryllium (Be)	mg/L	<0.000020	<0.000020	0.00002	-	0.000032	0.000037	0.00002	-	<0.000020	<0.000020	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	<0.0000050	<0.0000050	0.000005	-	0.0000343	0.0000352	0.000005	2.59%	<0.0000050	<0.0000050	0.000005	-
	Calcium (Ca)	mg/L	19.4	18.1	0.05	6.93%	12.6	12.1	0.05	4.05%	19.7	19.9	0.05	1.01%
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	0.00057	0.00061	0.0005	-	<0.00050	<0.00050	0.0005	-
	Cobalt (Co)	mg/L	<0.00010	<0.00010	0.0001	-	0.00029	0.00032	0.0001	-	<0.00010	<0.00010	0.0001	-
	Copper (Cu)	mg/L	<0.00050	<0.00050	0.0005	-	0.00094	0.00094	0.0005	-	<0.00050	<0.00050	0.0005	-
	Iron (Fe)	mg/L	0.181	0.193	0.01	6.42%	0.451	0.43	0.01	4.77%	0.356	0.384	0.01	7.57%
	Lead (Pb)	mg/L	<0.000050	<0.000050	0.00005	-	0.000604	0.000586	0.00005	3.03%	<0.000050	<0.000050	0.00005	-
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	4.46	4.48	0.1	0.45%	2.52	2.5	0.1	0.80%	4.98	4.98	0.1	0%
	Manganese (Mn)	mg/L	0.0264	0.0272	0.0001	2.99%	0.0464	0.0474	0.0001	2.13%	0.064	0.0754	0.0001	16.36%
	Mercury (Hg)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Molybdenum (Mo)	mg/L	0.000732	0.000711	0.00005	2.91%	0.000711	0.000754	0.00005	5.87%	0.000873	0.000834	0.00005	4.57%
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	0.838	0.858	0.1	2.36%	0.724	0.746	0.1	2.99%	0.817	0.812	0.1	0.61%
	Selenium (Se)	mg/L	0.000087	0.000076	0.00005	-	<0.000050	0.000087	0.00005	-	<0.000050	0.000094	0.00005	-
	Silicon (Si)	mg/L	3.77	3.77	0.1	0%	6.32	6.22	0.1	1.59%	3.8	3.76	0.1	1.06%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-07-07				2025-07-08				2025-07-13			
			CC-20				DC-05				CC-30			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Total Metals (cont'd)	Sodium (Na)	mg/L	3.49	3.54	0.05	1.42%	2.95	2.96	0.05	0.34%	3.87	3.99	0.05	3.05%
	Strontium (Sr)	mg/L	0.105	0.104	0.0002	0.96%	0.0825	0.0844	0.0002	2.28%	0.105	0.106	0.0002	0.95%
	Sulfur (S)	mg/L	1.21	1.11	0.5	-	0.85	0.84	0.5	-	0.7	0.93	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	0.00118	0.00141	0.0003	-	0.0134	0.014	0.0003	4.38%	0.00079	0.00139	0.0003	-
	Uranium (U)	mg/L	0.000112	0.00011	0.00001	1.80%	0.00025	0.000258	0.00001	3.15%	0.000141	0.000148	0.00001	4.84%
	Vanadium (V)	mg/L	0.00054	0.00057	0.0005	-	0.00117	0.00119	0.0005	-	0.00072	0.00074	0.0005	-
	Zinc (Zn)	mg/L	<0.0030	<0.0030	0.003	-	0.0065	0.0068	0.003	-	<0.0030	<0.0030	0.003	-
Dissolved Metals	Aluminum (Al)	mg/L	0.0079	0.0081	0.001	2.50%	0.116	0.11	0.001	5.31%	0.0074	0.0078	0.001	5.26%
	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00063	0.00072	0.0001	13.33%	0.00078	0.0008	0.0001	2.53%	0.00088	0.00089	0.0001	1.13%
	Barium (Ba)	mg/L	0.00699	0.00734	0.0001	4.88%	0.00862	0.00842	0.0001	2.35%	0.00807	0.00806	0.0001	0.12%
	Beryllium (Be)	mg/L	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	<0.0000050	<0.0000050	0.000005	-	0.0000142	0.0000185	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Calcium (Ca)	mg/L	18.7	19	0.05	1.59%	12	12	0.05	0%	20.4	20	0.05	1.98%
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Cobalt (Co)	mg/L	<0.00010	<0.00010	0.0001	-	0.00016	0.00017	0.0001	-	<0.00010	<0.00010	0.0001	-
	Copper (Cu)	mg/L	0.00034	0.00034	0.0002	-	0.00051	0.0005	0.0002	-	0.00036	0.00034	0.0002	-
	Iron (Fe)	mg/L	0.107	0.105	0.01	1.89%	0.058	0.052	0.01	10.91%	0.225	0.237	0.01	5.19%
	Lead (Pb)	mg/L	<0.000050	<0.000050	0.00005	-	0.000059	0.000068	0.00005	-	<0.000050	<0.000050	0.00005	-
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	4.22	4.34	0.1	2.80%	2.34	2.35	0.1	0.43%	5.07	4.92	0.1	3%
	Manganese (Mn)	mg/L	0.0193	0.018	0.0001	6.97%	0.0328	0.0338	0.0001	3%	0.0541	0.0536	0.0001	0.93%
	Mercury (Hg)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Molybdenum (Mo)	mg/L	0.000681	0.000665	0.00005	2.38%	0.000691	0.000686	0.00005	0.73%	0.00076	0.000776	0.00005	2.08%
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	0.776	0.791	0.1	1.91%	0.679	0.684	0.1	0.73%	0.828	0.831	0.1	0.36%
	Selenium (Se)	mg/L	0.000057	0.000076	0.00005	-	0.00005	<0.000050	0.00005	-	0.000075	0.000055	0.00005	-
	Silicon (Si)	mg/L	3.34	3.58	0.05	6.94%	5.58	5.69	0.05	1.95%	3.83	3.73	0.05	2.65%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Sodium (Na)	mg/L	3.2	3.37	0.05	5.18%	2.79	2.83	0.05	1.42%	3.81	3.86	0.05	1.30%
	Strontium (Sr)	mg/L	0.0935	0.1	0.0002	6.72%	0.0826	0.0836	0.0002	1.20%	0.096	0.1	0.0002	4.08%
	Sulfur (S)	mg/L	1.2	1.3	0.5	-	1.11	0.81	0.5	-	0.99	1	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	0.00031	<0.00030	0.0003	-	0.00237	0.00188	0.0003	23.06%	0.00059	<0.00030	0.0003	-
	Uranium (U)	mg/L	0.000099	0.000101	0.00001	2%	0.000202	0.000203	0.00001	0.49%	0.000132	0.000129	0.00001	2.30%
	Vanadium (V)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	0.0005	0.00052	0.0005	-
	Zinc (Zn)	mg/L	<0.0010	<0.0010	0.001	-	0.0013	0.0016	0.001	-	<0.0010	<0.0010	0.001	-

Notes:
DL = Detection Limit; RPD = Relative Percent Difference.
"<" value is below the detection limit.
"- " indicates RPD was not computed because one or both concentrations were less than 5 times the detection limit.
Light gray shading indicates RPD was between 20 and 50%; dark gray shading indicated RPD was greater than 50%.

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-08-03				2025-08-04				2025-08-10			
			CC-40				CC-15				DC-20			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Physical Tests	pH	pH units	8.1	8.09	0.1	0.12%	8.58	8.57	0.1	0.12%	7.92	7.94	0.1	0.25%
	Total Suspended Solids	mg/L	3.2	<3.0	3	-	<3.0	<3.0	3	-	3.5	8.3	3	-
	Total Dissolved Solids	mg/L	100	104	13	3.92%	96	102	13	6.06%	88	85	13	3.47%
	Conductivity	µS/cm	170	170	2	0%	140	140	2	0%	118	119	2	0.84%
	Turbidity	NTU	1.56	1.59	0.1	1.90%	1.9	1.79	0.1	5.96%	4.26	4.25	0.1	0.24%
	Acidity (as CaCO ₃)	mg/L	<2.0	<2.0	2	-	<2.0	<2.0	2	-	<2.0	<2.0	2	-
	Alkalinity, Total (as CaCO ₃)	mg/L	86.4	87.4	1	1.15%	69.2	70.7	1	2.14%	56.3	56.6	1	0.53%
	Hardness (as CaCO ₃)-Total	mg/L	77.7	78.2	0.6	0.64%	71.4	71.4	0.6	0%	49.8	49.9	0.6	0.20%
	Hardness (as CaCO ₃)-Dissolved	mg/L	85.1	82.4	0.6	3.22%	65.5	67.1	0.6	2.41%	51.5	53.4	0.6	3.62%
Anions and Nutrients	Bromide (Br)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Chloride (Cl)	mg/L	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-	0.87	0.86	0.5	-
	Fluoride (F)	mg/L	0.07	0.067	0.02	-	0.056	0.055	0.02	-	0.046	0.046	0.02	-
	Sulfate (SO ₄)	mg/L	3.28	3.21	0.3	2.16%	3.27	3.27	0.3	0%	2.93	2.86	0.3	2.42%
	Total Kjeldahl Nitrogen	mg/L	0.301	0.277	0.05	8.30%	0.321	0.316	0.05	1.57%	0.176	0.203	0.05	-
	Ammonia, Total (as N)	mg/L	0.0109	0.0107	0.005	-	0.0091	0.0082	0.005	-	0.0083	0.0085	0.005	-
	Nitrate (as N)	mg/L	0.0054	0.0055	0.005	-	0.0053	0.0053	0.005	-	<0.0050	<0.0050	0.005	-
	Nitrite (as N)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Orthophosphate-Dissolved (as P)	mg/L	0.009	0.0087	0.001	3.39%	0.0038	0.0042	0.001	-	0.0048	0.0047	0.001	-
	Total Phosphate (as P)	mg/L	0.0221	0.0216	0.002	2.29%	0.0198	0.0204	0.002	2.99%	0.0151	0.021	0.002	32.69%
Cyanides	Cyanide, Strong Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
	Cyanide, Weak Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
	Thiocyanate	mg/L	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-
Organic / Inorganic Carbon	Total Organic Carbon	mg/L	6.83	6.86	0.5	0.44%	7.64	7.93	0.5	3.73%	4.92	4.97	0.5	1.01%
	Dissolved Organic Carbon	mg/L	6.91	6.89	0.5	0.29%	7.57	7.31	0.5	3.49%	4.88	4.63	0.5	5.26%
Total Metals	Aluminum (Al)	mg/L	0.0232	0.0274	0.003	16.60%	0.0312	0.0352	0.003	12.05%	0.0627	0.286	0.003	128.08%
	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00139	0.00149	0.0001	6.94%	0.00114	0.00119	0.0001	4.29%	0.00126	0.00151	0.0001	18.05%
	Barium (Ba)	mg/L	0.00878	0.00909	0.0001	3.47%	0.00812	0.00798	0.0001	1.74%	0.0107	0.0136	0.0001	23.87%
	Beryllium (Be)	mg/L	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	0.0000054	0.000005	-	0.0000061	0.0000086	0.000005	-
	Calcium (Ca)	mg/L	22.3	22	0.05	1.35%	20.8	20.5	0.05	1.45%	14.4	14.4	0.05	0%
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Cobalt (Co)	mg/L	<0.00010	<0.00010	0.0001	-	0.00013	0.00013	0.0001	-	0.00053	0.00067	0.0001	23.33%
	Copper (Cu)	mg/L	<0.00050	0.00101	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	0.00061	0.0005	-
	Iron (Fe)	mg/L	0.387	0.416	0.01	7.22%	0.233	0.244	0.01	4.61%	0.553	0.88	0.01	45.64%
	Lead (Pb)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	0.000182	0.00005	-
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	5.35	5.65	0.1	5.45%	4.72	4.92	0.1	4.15%	3.35	3.38	0.1	0.89%
	Manganese (Mn)	mg/L	0.0485	0.0502	0.0001	3.44%	0.0286	0.029	0.0001	1.39%	0.0307	0.0757	0.0001	84.59%
	Mercury (Hg)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	0.000005	0.000005	-
	Molybdenum (Mo)	mg/L	0.00123	0.00121	0.00005	1.64%	0.000794	0.000808	0.00005	1.75%	0.000851	0.000864	0.00005	1.52%
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	0.00052	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	1.03	1.05	0.1	1.92%	0.848	0.866	0.1	2.10%	0.818	0.846	0.1	3.37%
	Selenium (Se)	mg/L	0.000084	0.000085	0.00005	-	0.000088	0.000071	0.00005	-	0.000064	0.000065	0.00005	-
	Silicon (Si)	mg/L	4.28	4.27	0.1	0.23%	3.91	3.95	0.1	1.02%	6.18	6.46	0.1	4.43%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-08-03				2025-08-04				2025-08-10			
			CC-40				CC-15				DC-20			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Total Metals (cont'd)	Sodium (Na)	mg/L	4.66	4.76	0.05	2.12%	3.46	3.53	0.05	2%	3.58	3.57	0.05	0.28%
	Strontium (Sr)	mg/L	0.122	0.121	0.0002	0.82%	0.111	0.11	0.0002	0.90%	0.097	0.0985	0.0002	1.53%
	Sulfur (S)	mg/L	1.16	1.27	0.5	-	1.55	1.43	0.5	-	1.01	1.06	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	0.00097	0.00114	0.0003	-	0.00111	0.0013	0.0003	-	0.0018	0.0103	0.0003	140.50%
	Uranium (U)	mg/L	0.000191	0.000192	0.00001	0.52%	0.000127	0.000122	0.00001	4.02%	0.000153	0.000196	0.00001	24.64%
	Vanadium (V)	mg/L	0.0008	0.00088	0.0005	-	0.0007	0.00073	0.0005	-	0.00084	0.00146	0.0005	-
	Zinc (Zn)	mg/L	<0.0030	<0.0030	0.003	-	<0.0030	<0.0030	0.003	-	<0.0030	<0.0030	0.003	-
Dissolved Metals	Aluminum (Al)	mg/L	0.0035	0.0043	0.001	-	0.0082	0.0078	0.001	5%	0.0151	0.0197	0.001	26.44%
	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00124	0.00126	0.0001	1.60%	0.00096	0.00087	0.0001	9.84%	0.00111	0.0011	0.0001	0.90%
	Barium (Ba)	mg/L	0.00959	0.00919	0.0001	4.26%	0.00756	0.00749	0.0001	0.93%	0.0105	0.0105	0.0001	0%
	Beryllium (Be)	mg/L	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Calcium (Ca)	mg/L	23.9	22.9	0.05	4.27%	18.6	19.1	0.05	2.65%	14.6	15.3	0.05	4.68%
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Cobalt (Co)	mg/L	<0.00010	<0.00010	0.0001	-	0.00012	0.0001	0.0001	-	0.00048	0.00048	0.0001	-
	Copper (Cu)	mg/L	0.00039	0.00038	0.0002	-	0.00033	0.00032	0.0002	-	0.00032	0.0003	0.0002	-
	Iron (Fe)	mg/L	0.27	0.277	0.01	2.56%	0.12	0.132	0.01	9.52%	0.393	0.378	0.01	3.89%
	Lead (Pb)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	6.18	6.13	0.1	0.81%	4.62	4.72	0.1	2.14%	3.65	3.68	0.1	0.82%
	Manganese (Mn)	mg/L	0.036	0.0352	0.0001	2.25%	0.0202	0.0189	0.0001	6.65%	0.0229	0.0247	0.0001	7.56%
	Mercury (Hg)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Molybdenum (Mo)	mg/L	0.0012	0.00117	0.00005	2.53%	0.000758	0.000735	0.00005	3.08%	0.00088	0.000827	0.00005	6.21%
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	1.07	1.06	0.1	0.94%	0.824	0.821	0.1	0.36%	0.839	0.829	0.1	1.20%
	Selenium (Se)	mg/L	0.000062	0.000118	0.00005	-	0.000079	0.000051	0.00005	-	0.000058	0.000052	0.00005	-
	Silicon (Si)	mg/L	4.26	4.29	0.05	0.70%	3.46	3.52	0.05	1.72%	5.68	5.69	0.05	0.18%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Sodium (Na)	mg/L	4.7	4.7	0.05	0%	3.69	3.57	0.05	3.31%	3.79	3.73	0.05	1.60%
	Strontium (Sr)	mg/L	0.13	0.127	0.0002	2.33%	0.0983	0.101	0.0002	2.71%	0.103	0.1	0.0002	2.96%
	Sulfur (S)	mg/L	1.33	1.47	0.5	-	1.13	1.29	0.5	-	0.79	0.89	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	<0.00030	<0.00030	0.0003	-	<0.00030	<0.00030	0.0003	-	0.00036	0.00038	0.0003	-
	Uranium (U)	mg/L	0.000179	0.000179	0.00001	0%	0.000121	0.00013	0.00001	7.17%	0.00014	0.000142	0.00001	1.42%
	Vanadium (V)	mg/L	0.00067	0.00068	0.0005	-	0.00059	0.00059	0.0005	-	0.00064	0.00066	0.0005	-
	Zinc (Zn)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-

Notes:
DL = Detection Limit; RPD = Relative Percent Difference.
"<" value is below the detection limit.
"- " indicates RPD was not computed because one or both concentrations were less than 5 times the detection limit.
Light gray shading indicates RPD was between 20 and 50%; dark gray shading indicated RPD was greater than 50%.

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-09-09				2025-09-17				2025-09-24			
			705-10				661-04				661-01			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Physical Tests	pH	pH units	7.59	7.6	0.1	0.13%	7.85	7.85	0.1	0%	7.38	7.41	0.1	0.41%
	Total Suspended Solids	mg/L	<3.0	<3.0	3	-	<3.0	<3.0	3	-	<3.0	<3.0	3	-
	Total Dissolved Solids	mg/L	62	69	13	-	76	79	13	3.87%	30	30	10	-
	Conductivity	µS/cm	79.8	84.2	2	5.37%	104	103	2	0.97%	34.2	34.1	2	0.29%
	Turbidity	NTU	0.4	0.4	0.1	-	2.96	3.09	0.1	4.30%	0.19	0.19	0.1	-
	Acidity (as CaCO ₃)	mg/L	3	3	2	-	<2.0	<2.0	2	-	<2.0	<2.0	2	-
	Alkalinity, Total (as CaCO ₃)	mg/L	41.9	41.7	1	0.48%	48.6	48.6	1	0%	16.5	16.5	1	0%
	Hardness (as CaCO ₃)-Total	mg/L	35.5	36.6	0.6	3.05%	43.6	44.8	0.6	2.71%	13.8	13.7	0.6	0.73%
	Hardness (as CaCO ₃)-Dissolved	mg/L	36.3	36.7	0.6	1.10%	44.9	45.1	0.6	0.44%	13.4	13.8	0.6	2.94%
Anions and Nutrients	Bromide (Br)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Chloride (Cl)	mg/L	<0.50	<0.50	0.5	-	1.07	1.08	0.5	-	<0.50	<0.50	0.5	-
	Fluoride (F)	mg/L	0.029	0.028	0.02	-	0.046	0.05	0.02	-	0.023	0.023	0.02	-
	Sulfate (SO ₄)	mg/L	1.46	1.44	0.3	-	2.81	2.82	0.3	0.36%	0.39	0.38	0.3	-
	Total Kjeldahl Nitrogen	mg/L	0.153	0.151	0.05	-	0.101	0.104	0.05	-	0.15	0.107	0.05	-
	Ammonia, Total (as N)	mg/L	<0.0050	0.0088	0.005	-	0.0053	0.0056	0.005	-	<0.0050	<0.0050	0.005	-
	Nitrate (as N)	mg/L	0.0986	0.096	0.005	2.67%	<0.0050	<0.0050	0.005	-	0.047	0.0462	0.005	1.72%
	Nitrite (as N)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Orthophosphate-Dissolved (as P)	mg/L	0.0017	0.0013	0.001	-	0.0079	0.0075	0.001	5.19%	<0.0010	<0.0010	0.001	-
Cyanides	Total Phosphate (as P)	mg/L	0.0063	0.006	0.002	-	0.0157	0.0156	0.002	0.64%	0.0096	0.0024	0.002	-
	Cyanide, Strong Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
	Cyanide, Weak Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
Organic / Inorganic Carbon	Thiocyanate	mg/L	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-
	Total Organic Carbon	mg/L	5.32	5.03	0.5	5.60%	3.07	3.18	0.5	3.52%	4.32	4.42	0.5	2.29%
Total Metals	Dissolved Organic Carbon	mg/L	5.07	5.07	0.5	0%	3.49	3.1	0.5	11.84%	4.26	4.13	0.5	3.10%
	Aluminum (Al)	mg/L	0.0534	0.0352	0.003	41.08%	0.133	0.142	0.003	6.55%	0.12	0.0521	0.003	78.91%
Total Metals	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00022	0.0002	0.0001	-	0.00158	0.00152	0.0001	3.87%	0.0006	0.00038	0.0001	-
	Barium (Ba)	mg/L	0.0135	0.0128	0.0001	5.32%	0.00641	0.00641	0.0001	0%	0.00372	0.00288	0.0001	25.45%
	Beryllium (Be)	mg/L	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	<0.0000050	<0.0000050	0.000005	-	0.0000163	0.0000179	0.000005	-	0.0000173	<0.0000050	0.000005	-
	Calcium (Ca)	mg/L	10.7	11.2	0.05	4.57%	12.2	12.6	0.05	3.23%	3.9	3.86	0.05	1.03%
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Cobalt (Co)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	0.0001	<0.00010	0.0001	-
	Copper (Cu)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Iron (Fe)	mg/L	0.07	0.044	0.01	-	0.166	0.173	0.01	4.13%	0.216	0.091	0.01	81.43%
	Lead (Pb)	mg/L	<0.000050	<0.000050	0.00005	-	0.000086	0.000089	0.00005	-	0.000099	<0.000050	0.00005	-
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	2.13	2.11	0.1	0.94%	3.19	3.25	0.1	1.86%	1	0.993	0.1	0.70%
	Manganese (Mn)	mg/L	0.00882	0.00524	0.0001	50.92%	0.0178	0.0179	0.0001	0.56%	0.068	0.0245	0.0001	94.05%
	Mercury (Hg)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Molybdenum (Mo)	mg/L	0.000552	0.000558	0.00005	1.08%	0.000909	0.000938	0.00005	3.14%	0.000171	0.000162	0.00005	-
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	0.463	0.464	0.1	-	0.698	0.693	0.1	0.72%	0.248	0.224	0.1	-
	Selenium (Se)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Silicon (Si)	mg/L	3.89	3.8	0.1	2.34%	7.56	7.46	0.1	1.33%	5.44	5.28	0.1	2.99%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-09-09				2025-09-17				2025-09-24			
			705-10				661-04				661-01			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Total Metals (cont'd)	Sodium (Na)	mg/L	2.72	2.7	0.05	0.74%	4	3.99	0.05	0.25%	2.28	2.3	0.05	0.87%
	Strontium (Sr)	mg/L	0.0745	0.0728	0.0002	2.31%	0.0808	0.0804	0.0002	0.50%	0.0309	0.0318	0.0002	2.87%
	Sulfur (S)	mg/L	<0.50	<0.50	0.5	-	0.93	0.82	0.5	-	<0.50	<0.50	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	0.00119	0.0007	0.0003	-	0.00421	0.00435	0.0003	3.27%	0.00198	0.00065	0.0003	-
	Uranium (U)	mg/L	0.000101	0.0001	0.00001	1%	0.000116	0.000116	0.00001	0%	0.000048	0.000033	0.00001	-
	Vanadium (V)	mg/L	<0.00050	<0.00050	0.0005	-	0.00085	0.00088	0.0005	-	<0.00050	<0.00050	0.0005	-
	Zinc (Zn)	mg/L	<0.0030	<0.0030	0.003	-	0.0066	0.0068	0.003	-	<0.0030	<0.0030	0.003	-
Dissolved Metals	Aluminum (Al)	mg/L	0.0187	0.0187	0.001	0%	0.0287	0.0318	0.001	10.25%	0.0386	0.0364	0.001	5.87%
	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00018	0.0002	0.0001	-	0.0014	0.00145	0.0001	3.51%	0.00036	0.00034	0.0001	-
	Barium (Ba)	mg/L	0.0122	0.0125	0.0001	2.43%	0.00554	0.00539	0.0001	2.74%	0.00265	0.00256	0.0001	3.45%
	Beryllium (Be)	mg/L	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	<0.0000050	<0.0000050	0.000005	-	0.0000123	0.0000163	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Calcium (Ca)	mg/L	11.2	11.3	0.05	0.89%	13	13	0.05	0%	3.8	3.94	0.05	3.62%
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Cobalt (Co)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Copper (Cu)	mg/L	0.00034	0.00034	0.0002	-	0.0002	<0.00020	0.0002	-	0.00024	0.00022	0.0002	-
	Iron (Fe)	mg/L	0.019	0.019	0.01	-	0.051	0.054	0.01	5.71%	0.048	0.047	0.01	-
	Lead (Pb)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	2.02	2.06	0.1	1.96%	3.02	3.07	0.1	1.64%	0.952	0.958	0.1	0.63%
	Manganese (Mn)	mg/L	0.00248	0.00234	0.0001	5.81%	0.0122	0.0126	0.0001	3.23%	0.0104	0.0103	0.0001	0.97%
	Mercury (Hg)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Molybdenum (Mo)	mg/L	0.000518	0.000529	0.00005	2.10%	0.000946	0.000937	0.00005	0.96%	0.000157	0.000146	0.00005	-
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	0.468	0.479	0.1	-	0.712	0.728	0.1	2.22%	0.238	0.224	0.1	-
	Selenium (Se)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Silicon (Si)	mg/L	3.86	3.82	0.05	1.04%	7.08	7.19	0.05	1.54%	5.03	5.03	0.05	0%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Sodium (Na)	mg/L	2.65	2.66	0.05	0.38%	3.93	3.98	0.05	1.26%	2.11	2.15	0.05	1.88%
	Strontium (Sr)	mg/L	0.078	0.0788	0.0002	1.02%	0.0811	0.0794	0.0002	2.12%	0.0321	0.0317	0.0002	1.25%
	Sulfur (S)	mg/L	<0.50	0.56	0.5	-	0.89	0.96	0.5	-	<0.50	<0.50	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	<0.00030	<0.00030	0.0003	-	0.00066	0.00076	0.0003	-	0.00036	0.00033	0.0003	-
	Uranium (U)	mg/L	0.000092	0.000092	0.00001	0%	0.000106	0.000106	0.00001	0%	0.000029	0.000031	0.00001	-
	Vanadium (V)	mg/L	<0.00050	<0.00050	0.0005	-	0.00054	0.00058	0.0005	-	<0.00050	<0.00050	0.0005	-
	Zinc (Zn)	mg/L	<0.0010	<0.0010	0.001	-	0.0049	0.0053	0.001	-	<0.0010	<0.0010	0.001	-

Notes:
DL = Detection Limit; RPD = Relative Percent Difference.
"<" value is below the detection limit.
"- " indicates RPD was not computed because one or both concentrations were less than 5 times the detection limit.
Light gray shading indicates RPD was between 20 and 50%; dark gray shading indicated RPD was greater than 50%.

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-09-30				2025-10-14				2025-10-31			
			661-01				DC-05				DC-05			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Physical Tests	pH	pH units	7.23	7.24	0.1	0.14%	7.81	7.88	0.1	0.89%	7.56	7.56	0.1	-
	Total Suspended Solids	mg/L	8.2	<3.0	3	-	<3.0	<3.0	3	-	<3.0	<3.0	3	-
	Total Dissolved Solids	mg/L	33	32	10	-	72	68	10	5.71%	79	76	10	3.87%
	Conductivity	µS/cm	36	36.5	2	1.38%	90.5	87.9	2	2.91%	76	76.3	2	0.39%
	Turbidity	NTU	0.61	0.24	0.1	-	2.46	3.78	0.1	42.31%	18.9	19.1	0.1	1.05%
	Acidity (as CaCO ₃)	mg/L	2.5	2.2	2	-	<2.0	<2.0	2	-	<2.0	2	2	-
	Alkalinity, Total (as CaCO ₃)	mg/L	16.7	16.7	1	0%	40.5	39	1	3.77%	33.6	33.7	1	0.30%
	Hardness (as CaCO ₃)-Total	mg/L	13.9	14.1	0.6	1.43%	38.9	36.8	0.6	5.55%	35.5	36	0.6	1.40%
	Hardness (as CaCO ₃)-Dissolved	mg/L	14.1	13.7	0.6	2.88%	36.7	35.5	0.6	3.32%	33.5	33.6	0.6	0.30%
Anions and Nutrients	Bromide (Br)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Chloride (Cl)	mg/L	<0.50	<0.50	0.5	-	1.46	1.58	0.5	-	0.88	0.88	0.5	-
	Fluoride (F)	mg/L	0.026	0.026	0.02	-	0.032	0.034	0.02	-	0.032	0.032	0.02	-
	Sulfate (SO ₄)	mg/L	0.63	0.66	0.3	-	4.25	4.32	0.3	1.63%	5.04	5.03	0.3	0.20%
	Total Kjeldahl Nitrogen	mg/L	0.104	0.147	0.05	-	0.19	0.208	0.05	-	0.166	0.174	0.05	-
	Ammonia, Total (as N)	mg/L	<0.0050	<0.0050	0.005	-	0.0078	0.0114	0.005	-	0.0091	0.009	0.005	-
	Nitrate (as N)	mg/L	0.0139	0.024	0.005	-	0.0673	0.0395	0.005	52.06%	0.101	0.102	0.005	0.99%
	Nitrite (as N)	mg/L	<0.0010	<0.0010	0.001	-	0.0024	0.0023	0.001	-	0.0017	0.0016	0.001	-
	Orthophosphate-Dissolved (as P)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Total Phosphate (as P)	mg/L	0.0035	0.0072	0.002	-	0.0074	0.0089	0.002	-	0.0234	0.0231	0.002	1.29%
Cyanides	Cyanide, Strong Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
	Cyanide, Weak Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
	Thiocyanate	mg/L	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-
Organic / Inorganic Carbon	Total Organic Carbon	mg/L	3.7	4.08	0.5	9.77%	3.92	3.89	0.5	0.77%	7.68	5.88	0.5	26.55%
	Dissolved Organic Carbon	mg/L	3.64	3.92	0.5	7.41%	3.76	3.67	0.5	2.42%	6.02	5.81	0.5	3.55%
Total Metals	Aluminum (Al)	mg/L	0.0366	0.0863	0.003	80.88%	0.149	0.177	0.003	17.18%	0.849	0.835	0.003	1.66%
	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	0.00011	0.00012	0.0001	-	0.00012	0.00012	0.0001	-
	Arsenic (As)	mg/L	0.00039	0.00055	0.0001	-	0.00094	0.001	0.0001	6.19%	0.0017	0.00162	0.0001	4.82%
	Barium (Ba)	mg/L	0.00275	0.00345	0.0001	22.58%	0.00757	0.00711	0.0001	6.27%	0.0149	0.0145	0.0001	2.72%
	Beryllium (Be)	mg/L	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-	0.000042	0.00004	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	<0.0000050	0.0000115	0.000005	-	0.0000186	0.0000211	0.000005	-	0.0000279	0.0000299	0.000005	6.92%
	Calcium (Ca)	mg/L	3.91	3.91	0.05	0.00%	11.6	10.9	0.05	6.22%	10.8	11	0.05	1.83%
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	0.00085	0.00087	0.0005	-
	Cobalt (Co)	mg/L	<0.00010	<0.00010	0.0001	-	0.00101	0.00101	0.0001	-	0.0014	0.00139	0.0001	0.72%
	Copper (Cu)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	0.00063	0.0005	-	0.00127	0.00132	0.0005	-
	Iron (Fe)	mg/L	0.058	0.169	0.01	97.80%	0.15	0.167	0.01	10.73%	0.728	0.707	0.01	2.93%
	Lead (Pb)	mg/L	<0.000050	0.000057	0.00005	-	0.000119	0.000126	0.00005	-	0.000849	0.00082	0.00005	3.48%
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	1.01	1.05	0.1	3.88%	2.42	2.32	0.1	4.22%	2.07	2.06	0.1	0.48%
	Manganese (Mn)	mg/L	0.0135	0.0613	0.0001	127.81%	0.0303	0.0275	0.0001	9.69%	0.0298	0.0302	0.0001	1.33%
	Mercury (Hg)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	0.000006	0.000005	-
	Molybdenum (Mo)	mg/L	0.000208	0.000214	0.00005	-	0.000723	0.000746	0.00005	3.13%	0.000706	0.000683	0.00005	3.31%
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	0.00071	0.0007	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	0.25	0.297	0.1	-	0.645	0.732	0.1	12.64%	0.687	0.687	0.1	-
	Selenium (Se)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	0.000058	0.00005	-	<0.000050	0.000053	0.00005	-
	Silicon (Si)	mg/L	5	5.04	0.1	0.80%	5.39	5.06	0.1	6.32%	6.81	6.83	0.1	0.29%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	0.000018	0.000016	0.00001	-

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-09-30				2025-10-14				2025-10-31			
			661-01				DC-05				DC-05			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Total Metals (cont'd)	Sodium (Na)	mg/L	2.32	2.31	0.05	0.43%	3.2	3.19	0.05	0.31%	3.05	3.03	0.05	0.66%
	Strontium (Sr)	mg/L	0.0323	0.0322	0.0002	0.31%	0.0823	0.077	0.0002	6.65%	0.0745	0.0746	0.0002	0.13%
	Sulfur (S)	mg/L	<0.50	<0.50	0.5	-	1.06	0.9	0.5	-	1.52	1.52	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	0.000013	0.000013	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	0.00035	0.0012	0.0003	-	0.00318	0.00397	0.0003	22.10%	0.0219	0.0212	0.0003	3.25%
	Uranium (U)	mg/L	0.000028	3.7E-05	0.00001	-	0.000181	0.000211	0.00001	15.31%	0.000282	0.000283	0.00001	0.35%
	Vanadium (V)	mg/L	<0.00050	<0.00050	0.0005	-	0.00063	0.00079	0.0005	-	0.0017	0.00171	0.0005	-
	Zinc (Zn)	mg/L	<0.0030	<0.0030	0.003	-	<0.0030	<0.0030	0.003	-	0.0085	0.0088	0.003	-
Dissolved Metals	Aluminum (Al)	mg/L	0.0353	0.0338	0.001	4.34%	0.0247	0.0304	0.001	20.69%	0.0931	0.0763	0.001	19.83%
	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00034	0.00036	0.0001	-	0.00068	0.00076	0.0001	11.11%	0.00068	0.00067	0.0001	1.48%
	Barium (Ba)	mg/L	0.00527	0.00273	0.0001	63.50%	0.00602	0.00546	0.0001	9.76%	0.00773	0.00769	0.0001	0.52%
	Beryllium (Be)	mg/L	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	<0.0000050	<0.0000050	0.000005	-	0.0000127	0.0000102	0.000005	-	0.0000426	0.0000091	0.000005	-
	Calcium (Ca)	mg/L	3.9	3.72	0.05	4.72%	11	10.7	0.05	2.76%	10.3	10.3	0.05	-
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Cobalt (Co)	mg/L	<0.00010	<0.00010	0.0001	-	0.00092	0.00093	0.0001	1.08%	0.0011	0.00109	0.0001	0.91%
	Copper (Cu)	mg/L	0.00024	0.00022	0.0002	-	0.00034	0.00037	0.0002	-	0.00055	0.00059	0.0002	-
	Iron (Fe)	mg/L	0.049	0.048	0.01	-	0.047	0.042	0.01	-	0.095	0.082	0.01	14.69%
	Lead (Pb)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	0.000144	0.000087	0.00005	-
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	1.07	1.08	0.1	0.93%	2.23	2.13	0.1	4.59%	1.9	1.92	0.1	1.05%
	Manganese (Mn)	mg/L	0.0309	0.0128	0.0001	82.84%	0.0236	0.0207	0.0001	13.09%	0.0139	0.0134	0.0001	3.66%
	Mercury (Hg)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Molybdenum (Mo)	mg/L	0.000178	0.000162	0.00005	-	0.000664	0.000678	0.00005	2.09%	0.000712	0.000653	0.00005	8.64%
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	0.325	0.283	0.1	-	0.62	0.686	0.1	10.11%	0.545	0.54	0.1	0.92%
	Selenium (Se)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	0.000082	0.00005	-	0.000085	0.000071	0.00005	-
	Silicon (Si)	mg/L	4.89	4.71	0.05	4%	5.09	4.89	0.05	4.01%	5.54	5.58	0.05	0.72%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Sodium (Na)	mg/L	2.44	2.44	0.05	0.00%	3.01	2.93	0.05	2.69%	2.84	2.79	0.05	1.78%
	Strontium (Sr)	mg/L	0.0331	0.0308	0.0002	7.20%	0.0806	0.0754	0.0002	6.67%	0.0792	0.076	0.0002	4.12%
	Sulfur (S)	mg/L	<0.50	<0.50	0.5	-	1.37	1.44	0.5	-	1.64	1.84	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	0.00039	0.00034	0.0003	-	0.0004	0.00036	0.0003	-	0.00349	0.00283	0.0003	20.89%
	Uranium (U)	mg/L	0.000028	2.6E-05	0.00001	-	0.000172	0.000204	0.00001	17.02%	0.000191	0.000191	0.00001	-
	Vanadium (V)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Zinc (Zn)	mg/L	0.0014	<0.0010	0.001	-	0.0012	<0.0010	0.001	-	0.0038	0.004	0.001	-

Notes:
DL = Detection Limit; RPD = Relative Percent Difference.
"<" value is below the detection limit.
"- " indicates RPD was not computed because one or both concentrations were less than 5 times the detection limit.
Light gray shading indicates RPD was between 20 and 50%; dark gray shading indicated RPD was greater than 50%.

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-12-08				2025-12-12				2025-11-10			
			DC-15				661-01				661-20			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Physical Tests	pH	pH units	7.92	7.93	0.1	0.13%	7.17	7.24	0.1	0.97%	8.06	8.06	0.1	-
	Total Suspended Solids	mg/L	<3.0	<3.0	3	-	<3.0	<3.0	3	-	<3.0	<3.0	3	-
	Total Dissolved Solids	mg/L	84	82	13	2.41%	37	35	10	-	101	102	13	0.99%
	Conductivity	µS/cm	119	119	2	-	34.3	34.3	2	-	142	141	2	0.71%
	Turbidity	NTU	0.99	0.97	0.1	2.04%	0.38	0.38	0.1	-	0.41	0.41	0.1	-
	Acidity (as CaCO ₃)	mg/L	2.2	2.1	2	-	2.9	2.6	2	-	<2.0	<2.0	2	-
	Alkalinity, Total (as CaCO ₃)	mg/L	56.1	57	1	1.59%	16.4	15.7	1	4.36%	74.2	73.8	1	0.54%
	Hardness (as CaCO ₃)-Total	mg/L	54.7	51.7	0.6	5.64%	13.3	13.3	0.6	-	70.3	67.7	0.6	3.77%
	Hardness (as CaCO ₃)-Dissolved	mg/L	54.3	54.8	0.6	0.92%	13.3	13.1	0.6	1.52%	67.5	69.5	0.6	2.92%
Anions and Nutrients	Bromide (Br)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Chloride (Cl)	mg/L	<0.50	0.52	0.5	-	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-
	Fluoride (F)	mg/L	0.042	0.043	0.02	-	0.027	0.027	0.02	-	0.067	0.063	0.02	-
	Sulfate (SO ₄)	mg/L	4.83	4.86	0.3	0.62%	0.45	0.45	0.3	-	3.23	2.77	0.3	15.33%
	Total Kjeldahl Nitrogen	mg/L	0.066	0.084	0.05	-	0.144	0.143	0.05	-	0.111	0.208	0.05	-
	Ammonia, Total (as N)	mg/L	<0.0050	0.0075	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
	Nitrate (as N)	mg/L	0.0879	0.088	0.005	0.11%	0.029	0.0294	0.005	1.37%	<0.0050	<0.0050	0.005	-
	Nitrite (as N)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Orthophosphate-Dissolved (as P)	mg/L	0.0016	0.0035	0.001	-	<0.0010	<0.0010	0.001	-	0.0188	0.0175	0.001	7.16%
Cyanides	Total Phosphate (as P)	mg/L	0.0081	0.0072	0.002	-	0.0044	0.0045	0.002	-	0.0234	0.038	0.002	47.56%
	Cyanide, Strong Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
	Cyanide, Weak Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
Organic / Inorganic Carbon	Thiocyanate	mg/L	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-
	Total Organic Carbon	mg/L	3	2.79	0.5	7.25%	4.77	4.99	0.5	4.51%	3.36	4.47	0.5	28.35%
Total Metals	Dissolved Organic Carbon	mg/L	2.61	2.57	0.5	1.54%	4.93	4.86	0.5	1.43%	3.52	3.6	0.5	2.25%
	Aluminum (Al)	mg/L	0.124	0.0444	0.003	94.54%	0.0438	0.0419	0.003	4.43%	0.0161	0.149	0.003	160.99%
Total Metals	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00068	0.00058	0.0001	15.87%	0.00047	0.00046	0.0001	-	0.00084	0.00099	0.0001	16.39%
	Barium (Ba)	mg/L	0.00989	0.00895	0.0001	9.98%	0.00275	0.00271	0.0001	1.47%	0.00697	0.00868	0.0001	21.85%
	Beryllium (Be)	mg/L	<0.000020	<0.000020	0.00002	-	0.00002	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	0.0000148	0.000005	-
	Calcium (Ca)	mg/L	16.1	14.9	0.05	7.74%	3.62	3.63	0.05	0.28%	19	18	0.05	5.41%
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	0.00051	0.0005	-
	Cobalt (Co)	mg/L	0.00104	0.00103	0.0001	0.97%	<0.00010	<0.00010	0.0001	-	<0.00010	0.00011	0.0001	-
	Copper (Cu)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Iron (Fe)	mg/L	0.147	0.062	0.01	81.34%	0.098	0.094	0.01	4.17%	0.111	0.379	0.01	109.39%
	Lead (Pb)	mg/L	0.000081	<0.000050	0.00005	-	0.000058	<0.000050	0.00005	-	<0.000050	0.00009	0.00005	-
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	3.53	3.52	0.1	0.28%	1.03	1.03	0.1	-	5.55	5.53	0.1	0.36%
	Manganese (Mn)	mg/L	0.0154	0.00519	0.0001	99.17%	0.0118	0.0114	0.0001	3.45%	0.00569	0.0441	0.0001	154.29%
	Mercury (Hg)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Molybdenum (Mo)	mg/L	0.000709	0.000661	0.00005	7.01%	0.000205	0.00018	0.00005	-	0.000933	0.00097	0.00005	3.89%
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	0.633	0.622	0.1	1.75%	0.248	0.242	0.1	-	0.799	0.794	0.1	0.63%
	Selenium (Se)	mg/L	0.000074	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	0.00006	0.00009	0.00005	-
	Silicon (Si)	mg/L	6.58	6.37	0.1	3.24%	4.47	4.51	0.1	0.89%	7.53	7.59	0.1	0.79%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-12-08				2025-12-12				2025-11-10			
			DC-15				661-01				661-20			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Total Metals (cont'd)	Sodium (Na)	mg/L	3.49	3.46	0.05	0.86%	2.07	2.11	0.05	1.91%	4.41	4.57	0.05	3.56%
	Strontium (Sr)	mg/L	0.0964	0.095	0.0002	1.46%	0.0304	0.0291	0.0002	4.37%	0.0959	0.0984	0.0002	2.57%
	Sulfur (S)	mg/L	1.48	1.51	0.5	-	<0.50	<0.50	0.5	-	0.9	0.81	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	0.00412	0.00111	0.0003	-	0.00043	0.00045	0.0003	-	0.00053	0.00639	0.0003	-
	Uranium (U)	mg/L	0.000193	0.00018	0.00001	6.97%	0.000024	0.000023	0.00001	-	0.000281	0.000321	0.00001	13.29%
	Vanadium (V)	mg/L	0.00064	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	0.00063	0.00112	0.0005	-
	Zinc (Zn)	mg/L	<0.0030	<0.0030	0.003	-	<0.0030	<0.0030	0.003	-	<0.0030	<0.0030	0.003	-
Dissolved Metals	Aluminum (Al)	mg/L	0.0125	0.0126	0.001	0.80%	0.0353	0.0354	0.001	0.28%	0.0077	0.0083	0.001	7.50%
	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00049	0.00051	0.0001	-	0.00039	0.0004	0.0001	-	0.00085	0.00084	0.0001	1.18%
	Barium (Ba)	mg/L	0.00876	0.00877	0.0001	0.11%	0.00258	0.00262	0.0001	1.54%	0.00658	0.00677	0.0001	2.85%
	Beryllium (Be)	mg/L	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Calcium (Ca)	mg/L	15.8	16	0.05	1.26%	3.63	3.6	0.05	0.83%	17.9	18.6	0.05	3.84%
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Cobalt (Co)	mg/L	0.00096	0.00099	0.0001	3.08%	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Copper (Cu)	mg/L	<0.00020	<0.00020	0.0002	-	<0.00020	<0.00020	0.0002	-	<0.00020	<0.00020	0.0002	-
	Iron (Fe)	mg/L	0.026	0.028	0.01	-	0.078	0.077	0.01	1.29%	0.074	0.08	0.01	7.79%
	Lead (Pb)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	3.6	3.6	0.1	-	1.02	1.01	0.1	0.99%	5.53	5.59	0.1	1.08%
	Manganese (Mn)	mg/L	0.00208	0.00206	0.0001	0.97%	0.00965	0.00945	0.0001	2.09%	0.00306	0.0032	0.0001	4.47%
	Mercury (Hg)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Molybdenum (Mo)	mg/L	0.000748	0.000727	0.00005	2.85%	0.000187	0.000191	0.00005	-	0.000919	0.000909	0.00005	1.09%
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	0.65	0.65	0.1	-	0.24	0.241	0.1	-	0.81	0.792	0.1	2.25%
	Selenium (Se)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	0.000054	0.000082	0.00005	-
	Silicon (Si)	mg/L	6.45	6.57	0.05	1.84%	4.33	4.35	0.05	0.46%	7.63	7.92	0.05	3.73%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Sodium (Na)	mg/L	3.69	3.62	0.05	1.92%	2.06	2.01	0.05	2.46%	4.59	4.73	0.05	3%
	Strontium (Sr)	mg/L	0.101	0.103	0.0002	1.96%	0.03	0.0311	0.0002	3.60%	0.09	0.0899	0.0002	0.11%
	Sulfur (S)	mg/L	1.6	1.76	0.5	-	<0.50	<0.50	0.5	-	0.71	0.63	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	<0.00030	<0.00030	0.0003	-	0.00033	<0.00030	0.0003	-	<0.00030	<0.00030	0.0003	-
	Uranium (U)	mg/L	0.000161	0.00016	0.00001	0.62%	0.000021	0.000025	0.00001	-	0.000286	0.000277	0.00001	3.20%
	Vanadium (V)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	0.0005	0.0005	-	0.00059	0.00057	0.0005	-
	Zinc (Zn)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-

Notes:
DL = Detection Limit; RPD = Relative Percent Difference.
"<" value is below the detection limit.
"- " indicates RPD was not computed because one or both concentrations were less than 5 times the detection limit.
Light gray shading indicates RPD was between 20 and 50%; dark gray shading indicated RPD was greater than 50%.

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-10-26				2025-12-26				2025-10-20			
			CC-03				CC-03				CC-15			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Physical Tests	pH	pH units	8.2	8.1	0.1	1.23%	8.24	8.25	0.1	0.12%	7.93	7.91	0.1	0.25%
	Total Suspended Solids	mg/L	<3.0	<3.0	3	-	<3.0	<3.0	3	-	<3.0	4.6	3	-
	Total Dissolved Solids	mg/L	144	144	13	-	158	157	20	0.63%	82	90	13	9.30%
	Conductivity	µS/cm	222	221	2	0.45%	246	245	2	0.41%	144	146	2	1.38%
	Turbidity	NTU	0.43	0.41	0.1	-	0.93	0.92	0.1	1.08%	1.29	1.28	0.1	0.78%
	Acidity (as CaCO ₃)	mg/L	<2.0	<2.0	2	-	<2.0	<2.0	2	-	<2.0	<2.0	2	-
	Alkalinity, Total (as CaCO ₃)	mg/L	114	113	1	0.88%	131	131	1	-	73	72.4	1	0.83%
	Hardness (as CaCO ₃)-Total	mg/L	109	112	0.6	2.71%	129	131	0.6	1.54%	68.2	68.9	0.6	1.02%
	Hardness (as CaCO ₃)-Dissolved	mg/L	106	109	0.6	2.79%	128	124	0.6	3.17%	71	73.3	0.6	3.19%
Anions and Nutrients	Bromide (Br)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Chloride (Cl)	mg/L	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-	0.52	0.52	0.5	-
	Fluoride (F)	mg/L	0.065	0.063	0.02	-	0.059	0.061	0.02	-	0.055	0.055	0.02	-
	Sulfate (SO ₄)	mg/L	7.93	7.92	0.3	0.13%	8.06	8.02	0.3	0.50%	4.03	4.01	0.3	0.50%
	Total Kjeldahl Nitrogen	mg/L	0.15	0.14	0.05	-	0.223	0.219	0.05	-	0.269	0.264	0.05	1.88%
	Ammonia, Total (as N)	mg/L	<0.0050	<0.0050	0.005	-	0.0579	0.0599	0.005	3.40%	0.0087	0.0084	0.005	-
	Nitrate (as N)	mg/L	<0.0050	<0.0050	0.005	-	0.107	0.107	0.005	-	<0.0050	<0.0050	0.005	-
	Nitrite (as N)	mg/L	<0.0010	<0.0010	0.001	-	0.0016	0.0015	0.001	-	<0.0010	<0.0010	0.001	-
	Orthophosphate-Dissolved (as P)	mg/L	0.0062	0.0064	0.001	3.17%	0.0101	0.0104	0.001	2.93%	0.0022	0.0021	0.001	-
Cyanides	Total Phosphate (as P)	mg/L	0.0144	0.0152	0.002	5.41%	0.0207	0.0212	0.002	2.39%	0.0144	0.016	0.002	10.53%
	Cyanide, Strong Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
	Cyanide, Weak Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
Organic / Inorganic Carbon	Thiocyanate	mg/L	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-
	Total Organic Carbon	mg/L	4.33	4.28	0.5	1.16%	3.74	3.62	0.5	3.26%	6.17	6.59	0.5	6.58%
Total Metals	Dissolved Organic Carbon	mg/L	4.22	4.12	0.5	2.40%	3.45	3.47	0.5	0.58%	5.9	6.13	0.5	3.82%
	Aluminum (Al)	mg/L	0.0085	0.0075	0.003	-	0.0171	0.0182	0.003	6.23%	0.0282	0.035	0.003	21.52%
Total Metals	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00058	0.00054	0.0001	7.14%	0.00069	0.0007	0.0001	1.44%	0.00062	0.00061	0.0001	1.63%
	Barium (Ba)	mg/L	0.00624	0.00616	0.0001	1.29%	0.00752	0.00794	0.0001	5.43%	0.00858	0.0083	0.0001	3.32%
	Beryllium (Be)	mg/L	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Calcium (Ca)	mg/L	30.1	31.3	0.05	3.91%	35.3	35.6	0.05	0.85%	19	19.5	0.05	2.60%
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Cobalt (Co)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	0.00014	0.00014	0.0001	-
	Copper (Cu)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Iron (Fe)	mg/L	0.096	0.096	0.01	-	0.181	0.185	0.01	2.19%	0.216	0.242	0.01	11.35%
	Lead (Pb)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	8.1	8.11	0.1	0.12%	9.8	10.2	0.1	4%	5.04	4.9	0.1	2.82%
	Manganese (Mn)	mg/L	0.0125	0.0135	0.0001	7.69%	0.0268	0.0278	0.0001	3.66%	0.0297	0.0306	0.0001	2.99%
	Mercury (Hg)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Molybdenum (Mo)	mg/L	0.000816	0.000818	0.00005	0.24%	0.000871	0.000868	0.00005	0.35%	0.000652	0.000676	0.00005	3.61%
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	0.00071	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	1.18	1.17	0.1	0.85%	1.21	1.24	0.1	2.45%	0.863	0.842	0.1	2.46%
	Selenium (Se)	mg/L	<0.000050	0.000058	0.00005	-	<0.000050	0.000054	0.00005	-	0.000063	0.000068	0.00005	-
	Silicon (Si)	mg/L	7.35	7.17	0.1	2.48%	8.28	8.16	0.1	1.46%	3.58	3.85	0.1	7.27%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-10-26				2025-12-26				2025-10-20			
			CC-03				CC-03				CC-15			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Total Metals <i>(cont'd)</i>	Sodium (Na)	mg/L	4.88	4.71	0.05	3.55%	5.25	5.65	0.05	7.34%	3.85	3.75	0.05	2.63%
	Strontium (Sr)	mg/L	0.119	0.123	0.0002	3.31%	0.128	0.13	0.0002	1.55%	0.105	0.108	0.0002	2.82%
	Sulfur (S)	mg/L	3.08	2.79	0.5	9.88%	2.99	2.69	0.5	10.56%	1.1	1.29	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	<0.00030	<0.00030	0.0003	-	0.00071	0.00091	0.0003	-	0.00106	0.00127	0.0003	-
	Uranium (U)	mg/L	0.000197	0.000196	0.00001	0.51%	0.000251	0.000256	0.00001	1.97%	0.000106	0.000108	0.00001	1.87%
	Vanadium (V)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	0.00051	0.0005	-
	Zinc (Zn)	mg/L	<0.0030	<0.0030	0.003	-	<0.0030	<0.0030	0.003	-	<0.0030	<0.0030	0.003	-
Dissolved Metals	Aluminum (Al)	mg/L	0.0021	0.0034	0.001	-	0.0019	0.0016	0.001	-	0.0027	0.0046	0.001	-
	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00053	0.00053	0.0001	-	0.00061	0.00058	0.0001	5.04%	0.00052	0.00054	0.0001	3.77%
	Barium (Ba)	mg/L	0.0061	0.00603	0.0001	1.15%	0.00774	0.00757	0.0001	2.22%	0.00833	0.00832	0.0001	0.12%
	Beryllium (Be)	mg/L	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Calcium (Ca)	mg/L	29.3	30.2	0.05	3.03%	35.2	33.9	0.05	3.76%	20.7	21.5	0.05	3.79%
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Cobalt (Co)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	0.00013	0.00013	0.0001	-
	Copper (Cu)	mg/L	<0.00020	<0.00020	0.0002	-	<0.00020	<0.00020	0.0002	-	0.00025	0.0003	0.0002	-
	Iron (Fe)	mg/L	0.066	0.066	0.01	-	0.088	0.089	0.01	1.13%	0.14	0.144	0.01	2.82%
	Lead (Pb)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	8.05	8.09	0.1	0.50%	9.85	9.48	0.1	3.83%	4.68	4.77	0.1	1.90%
	Manganese (Mn)	mg/L	0.00578	0.00576	0.0001	0.35%	0.00773	0.0077	0.0001	0.39%	0.0247	0.0255	0.0001	3.19%
	Mercury (Hg)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Molybdenum (Mo)	mg/L	0.000838	0.000845	0.00005	0.83%	0.000853	0.000894	0.00005	4.69%	0.000612	0.000667	0.00005	8.60%
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	1.19	1.19	0.1	-	1.21	1.18	0.1	2.51%	0.82	0.824	0.1	0.49%
	Selenium (Se)	mg/L	<0.000050	<0.000050	0.00005	-	0.000054	<0.000050	0.00005	-	<0.000050	0.00006	0.00005	-
	Silicon (Si)	mg/L	6.64	6.68	0.05	0.60%	7.77	8.04	0.05	3.42%	3.52	3.65	0.05	3.63%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Sodium (Na)	mg/L	4.95	4.81	0.05	2.87%	5.54	5.47	0.05	1.27%	3.65	3.66	0.05	0.27%
	Strontium (Sr)	mg/L	0.12	0.118	0.0002	1.68%	0.132	0.13	0.0002	1.53%	0.102	0.105	0.0002	2.90%
	Sulfur (S)	mg/L	2.69	2.66	0.5	1.12%	2.62	2.94	0.5	11.51%	1.13	1.23	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	<0.00030	<0.00030	0.0003	-	<0.00030	<0.00030	0.0003	-	<0.00030	<0.00030	0.0003	-
	Uranium (U)	mg/L	0.000192	0.000188	0.00001	2.11%	0.000231	0.000238	0.00001	2.99%	0.000113	0.000116	0.00001	2.62%
	Vanadium (V)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Zinc (Zn)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-

Notes:

DL = Detection Limit; RPD = Relative Percent Difference.

"<" value is below the detection limit.

"-" indicates RPD was not computed because one or both concentrations were less than 5 times the detection limit.

Light gray shading indicates RPD was between 20 and 50%; dark gray shading indicated RPD was greater than 50%.

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-11-26				2025-10-05				2025-11-17			
			CC-15				CC-40				CC-40			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Physical Tests	pH	pH units	7.89	7.9	0.1	0.13%	8.15	8.16	0.1	0.12%	8.16	8.15	0.1	0.12%
	Total Suspended Solids	mg/L	<3.0	<3.0	3	-	<3.0	<3.0	3	-	<3.0	<3.0	3	-
	Total Dissolved Solids	mg/L	106	109	13	2.79%	119	122	10	2.49%	110	118	13	7.02%
	Conductivity	µS/cm	148	148	2	-	183	183	2	-	172	171	2	0.58%
	Turbidity	NTU	1.29	1.21	0.1	6.40%	2.23	2.17	0.1	2.73%	1.92	1.71	0.1	11.57%
	Acidity (as CaCO ₃)	mg/L	2.5	2.5	2	-	<2.0	<2.0	2	-	<2.0	<2.0	2	-
	Alkalinity, Total (as CaCO ₃)	mg/L	77.8	77.9	1	0.13%	94.5	95.2	1	0.74%	89.4	88.7	1	0.79%
	Hardness (as CaCO ₃)-Total	mg/L	72.8	72.1	0.6	0.97%	89.4	86.9	0.6	2.84%	80.9	80.2	0.6	0.87%
	Hardness (as CaCO ₃)-Dissolved	mg/L	76.6	76.7	0.6	0.13%	89.5	87.6	0.6	2.15%	79.5	81.5	0.6	2.48%
Anions and Nutrients	Bromide (Br)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Chloride (Cl)	mg/L	<0.50	<0.50	0.5	-	0.58	0.58	0.5	-	<0.50	<0.50	0.5	-
	Fluoride (F)	mg/L	0.055	0.055	0.02	-	0.074	0.076	0.02	-	0.064	0.064	0.02	-
	Sulfate (SO ₄)	mg/L	4.49	4.48	0.3	0.22%	4.14	4.16	0.3	0.48%	4.38	4.4	0.3	0.46%
	Total Kjeldahl Nitrogen	mg/L	0.276	0.266	0.05	3.69%	0.247	0.237	0.05	-	0.215	0.207	0.05	-
	Ammonia, Total (as N)	mg/L	0.0156	0.0133	0.005	-	0.0093	0.0091	0.005	-	0.0089	0.0055	0.005	-
	Nitrate (as N)	mg/L	0.0426	0.0432	0.005	1.40%	<0.0050	<0.0050	0.005	-	0.0075	0.0072	0.005	-
	Nitrite (as N)	mg/L	0.001	0.0011	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Orthophosphate-Dissolved (as P)	mg/L	0.0096	0.0098	0.001	2.06%	0.0066	0.0068	0.001	2.99%	0.0066	0.0067	0.001	1.50%
Cyanides	Total Phosphate (as P)	mg/L	0.0205	0.0198	0.002	3.47%	0.0188	0.0189	0.002	0.53%	0.0175	0.0194	0.002	10.30%
	Cyanide, Strong Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
	Cyanide, Weak Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
Organic / Inorganic Carbon	Thiocyanate	mg/L	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-
	Total Organic Carbon	mg/L	6.35	6.21	0.5	2.23%	5.6	5.77	0.5	2.99%	5.39	5.48	0.5	1.66%
Total Metals	Dissolved Organic Carbon	mg/L	6	6.09	0.5	1.49%	5.42	5.44	0.5	0.37%	5.16	5.14	0.5	0.39%
	Aluminum (Al)	mg/L	0.0198	0.0178	0.003	10.64%	0.0205	0.0203	0.003	0.98%	0.0323	0.0289	0.003	11.11%
Total Metals	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00063	0.00064	0.0001	1.57%	0.00093	0.00095	0.0001	2.13%	0.00071	0.00074	0.0001	4.14%
	Barium (Ba)	mg/L	0.00781	0.00801	0.0001	2.53%	0.00886	0.00937	0.0001	5.60%	0.00931	0.00899	0.0001	3.50%
	Beryllium (Be)	mg/L	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Calcium (Ca)	mg/L	20.6	20.5	0.05	0.49%	24.8	24.1	0.05	2.86%	22.7	22.3	0.05	1.78%
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Cobalt (Co)	mg/L	0.00012	0.00012	0.0001	-	<0.00010	<0.00010	0.0001	-	0.0001	0.00011	0.0001	-
	Copper (Cu)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Iron (Fe)	mg/L	0.191	0.183	0.01	4.28%	0.549	0.564	0.01	2.70%	0.535	0.528	0.01	1.32%
	Lead (Pb)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	5.19	5.09	0.1	1.95%	6.67	6.49	0.1	2.74%	5.87	5.96	0.1	1.52%
	Manganese (Mn)	mg/L	0.0288	0.0288	0.0001	-	0.031	0.0322	0.0001	3.80%	0.0374	0.0336	0.0001	10.70%
	Mercury (Hg)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Molybdenum (Mo)	mg/L	0.000638	0.000622	0.00005	2.54%	0.00112	0.00111	0.00005	0.90%	0.00093	0.000883	0.00005	5.18%
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	0.866	0.862	0.1	0.46%	1.12	1.14	0.1	1.77%	0.935	0.946	0.1	1.17%
	Selenium (Se)	mg/L	0.000069	<0.000050	0.00005	-	0.000063	<0.000050	0.00005	-	0.000062	0.000072	0.00005	-
	Silicon (Si)	mg/L	4.72	4.62	0.1	2.14%	4.41	4.42	0.1	0.23%	5.38	5.36	0.1	0.37%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-11-26				2025-10-05				2025-11-17			
			CC-15				CC-40				CC-40			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Total Metals (cont'd)	Sodium (Na)	mg/L	3.85	3.97	0.05	3.07%	5.4	5.51	0.05	2.02%	4.77	4.79	0.05	0.42%
	Strontium (Sr)	mg/L	0.109	0.107	0.0002	1.85%	0.131	0.129	0.0002	1.54%	0.124	0.122	0.0002	1.63%
	Sulfur (S)	mg/L	1.61	1.49	0.5	-	1.32	1.32	0.5	-	1.69	1.55	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	0.00065	0.0006	0.0003	-	0.00091	0.00098	0.0003	-	0.00113	0.00139	0.0003	-
	Uranium (U)	mg/L	0.00011	0.000112	0.00001	1.80%	0.000216	0.000217	0.00001	0.46%	0.000187	0.000194	0.00001	3.67%
	Vanadium (V)	mg/L	<0.00050	<0.00050	0.0005	-	0.00066	0.00065	0.0005	-	<0.00050	<0.00050	0.0005	-
	Zinc (Zn)	mg/L	<0.0030	<0.0030	0.003	-	<0.0030	<0.0030	0.003	-	<0.0030	<0.0030	0.003	-
Dissolved Metals	Aluminum (Al)	mg/L	0.0026	0.003	0.001	-	0.0034	0.0032	0.001	-	0.0028	0.0032	0.001	-
	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00055	0.00056	0.0001	1.80%	0.00081	0.00077	0.0001	5.06%	0.00063	0.00062	0.0001	1.60%
	Barium (Ba)	mg/L	0.00738	0.00739	0.0001	0.14%	0.00859	0.00852	0.0001	0.82%	0.00827	0.00834	0.0001	0.84%
	Beryllium (Be)	mg/L	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Calcium (Ca)	mg/L	22.4	22.4	0.05	-	25.5	24.6	0.05	3.59%	21.6	22.8	0.05	5.41%
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Cobalt (Co)	mg/L	0.00012	0.00011	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	0.0001	0.0001	-
	Copper (Cu)	mg/L	0.00027	0.00024	0.0002	-	0.00024	0.00025	0.0002	-	0.00025	0.00024	0.0002	-
	Iron (Fe)	mg/L	0.106	0.113	0.01	6.39%	0.377	0.359	0.01	4.89%	0.343	0.343	0.01	-
	Lead (Pb)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	5.02	5.04	0.1	0.40%	6.28	6.37	0.1	1.42%	6.22	5.97	0.1	4.10%
	Manganese (Mn)	mg/L	0.0224	0.023	0.0001	2.64%	0.0255	0.0252	0.0001	1.18%	0.027	0.0257	0.0001	4.93%
	Mercury (Hg)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Molybdenum (Mo)	mg/L	0.000613	0.00061	0.00005	0.49%	0.00105	0.00107	0.00005	1.89%	0.000835	0.000795	0.00005	4.91%
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	0.844	0.853	0.1	1.06%	1.13	1.13	0.1	-	0.95	0.913	0.1	3.97%
	Selenium (Se)	mg/L	0.000051	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	0.000057	0.00005	-
	Silicon (Si)	mg/L	4.49	4.45	0.05	0.89%	4.17	4.14	0.05	0.72%	5.1	5.19	0.05	1.75%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Sodium (Na)	mg/L	3.77	3.65	0.05	3.23%	5.21	5.31	0.05	1.90%	4.9	4.61	0.05	6.10%
	Strontium (Sr)	mg/L	0.111	0.109	0.0002	1.82%	0.129	0.13	0.0002	0.77%	0.104	0.107	0.0002	2.84%
	Sulfur (S)	mg/L	1.74	1.52	0.5	-	1.26	1.12	0.5	-	1.34	1.31	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	<0.00030	<0.00030	0.0003	-	<0.00030	<0.00030	0.0003	-	<0.00030	<0.00030	0.0003	-
	Uranium (U)	mg/L	0.000105	0.000111	0.00001	5.56%	0.000204	0.000201	0.00001	1.48%	0.000174	0.00019	0.00001	8.79%
	Vanadium (V)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Zinc (Zn)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-

Notes:

DL = Detection Limit; RPD = Relative Percent Difference.

"<" value is below the detection limit.

"-" indicates RPD was not computed because one or both concentrations were less than 5 times the detection limit.

Light gray shading indicates RPD was between 20 and 50%; dark gray shading indicated RPD was greater than 50%.

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-10-07				2025-11-02			
			705-10				705-10			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Physical Tests	pH	pH units	7.74	7.67	0.1	0.91%	7.65	7.61	0.1	0.52%
	Total Suspended Solids	mg/L	<3.0	<3.0	3	-	<3.0	<3.0	3	-
	Total Dissolved Solids	mg/L	68	67	13	1.48%	54	62	13	-
	Conductivity	µS/cm	76.2	77	2	1.04%	67.7	67.7	2	-
	Turbidity	NTU	0.19	0.2	0.1	-	0.27	0.28	0.1	-
	Acidity (as CaCO ₃)	mg/L	2.1	<2.0	2	-	2.2	2.3	2	-
	Alkalinity, Total (as CaCO ₃)	mg/L	37.8	37.9	1	0.26%	33.2	33.2	1	-
	Hardness (as CaCO ₃)-Total	mg/L	34.9	35	0.6	0.29%	30.3	31.6	0.6	4.20%
	Hardness (as CaCO ₃)-Dissolved	mg/L	34.6	33.9	0.6	2.04%	30.8	31.3	0.6	1.61%
Anions and Nutrients	Bromide (Br)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Chloride (Cl)	mg/L	<0.50	<0.50	0.5	-	0.65	0.65	0.5	-
	Fluoride (F)	mg/L	0.03	0.031	0.02	-	0.026	0.027	0.02	-
	Sulfate (SO ₄)	mg/L	1.14	1.14	0.3	-	2.11	2.1	0.3	0.48%
	Total Kjeldahl Nitrogen	mg/L	0.115	0.120	0.05	-	0.135	0.147	0.05	-
	Ammonia, Total (as N)	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
	Nitrate (as N)	mg/L	0.0074	0.0069	0.005	-	0.0077	0.0072	0.005	-
	Nitrite (as N)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Orthophosphate-Dissolved (as P)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Total Phosphate (as P)	mg/L	0.0031	0.003	0.002	-	0.0041	0.0041	0.002	-
Cyanides	Cyanide, Strong Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
	Cyanide, Weak Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
	Thiocyanate	mg/L	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-
Organic / Inorganic Carbon	Total Organic Carbon	mg/L	4.43	4.39	0.5	0.91%	5.58	5.98	0.5	6.92%
	Dissolved Organic Carbon	mg/L	4.33	4.29	0.5	0.93%	5.8	6.3	0.5	8.26%
Total Metals	Aluminum (Al)	mg/L	0.0162	0.0187	0.003	14.33%	0.0262	0.0279	0.003	6.28%
	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00018	0.00016	0.0001	-	0.00018	0.00019	0.0001	-
	Barium (Ba)	mg/L	0.00986	0.0109	0.0001	10.02%	0.00927	0.00934	0.0001	0.75%
	Beryllium (Be)	mg/L	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Calcium (Ca)	mg/L	10.7	10.8	0.05	0.93%	9.2	9.65	0.05	4.77%
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Cobalt (Co)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Copper (Cu)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Iron (Fe)	mg/L	0.066	0.068	0.01	2.99%	0.105	0.106	0.01	0.95%
	Lead (Pb)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	1.98	1.96	0.1	1.02%	1.79	1.83	0.1	2.21%
	Manganese (Mn)	mg/L	0.00156	0.00175	0.0001	11.48%	0.00183	0.00181	0.0001	1.10%
	Mercury (Hg)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Molybdenum (Mo)	mg/L	0.000513	0.000482	0.00005	6.23%	0.000461	0.000451	0.00005	2.19%
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	0.399	0.395	0.1	-	0.39	0.397	0.1	-
	Selenium (Se)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Silicon (Si)	mg/L	3.55	3.48	0.1	1.99%	3.72	3.72	0.1	-
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-

APPENDIX C.2: RELATIVE PERCENT DIFFERENCE RESULTS FOR STREAM WATER QUALITY SAMPLES

Class	Parameter	Units	2025-10-07				2025-11-02			
			705-10				705-10			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Total Metals (cont'd)	Sodium (Na)	mg/L	2.66	2.62	0.05	1.52%	2.52	2.66	0.05	5.41%
	Strontium (Sr)	mg/L	0.074	0.0734	0.0002	0.81%	0.0604	0.0618	0.0002	2.29%
	Sulfur (S)	mg/L	<0.50	<0.50	0.5	-	0.59	0.69	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	0.00034	0.00038	0.0003	-	0.00051	0.00052	0.0003	-
	Uranium (U)	mg/L	0.000091	0.000086	0.00001	5.65%	0.00009	0.00009	0.00001	-
	Vanadium (V)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Zinc (Zn)	mg/L	<0.0030	<0.0030	0.003	-	<0.0030	<0.0030	0.003	-
Dissolved Metals	Aluminum (Al)	mg/L	0.012	0.0145	0.001	18.87%	0.0192	0.0204	0.001	6.06%
	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00016	0.00016	0.0001	-	0.00016	0.00018	0.0001	-
	Barium (Ba)	mg/L	0.0105	0.0101	0.0001	3.88%	0.00869	0.00886	0.0001	1.94%
	Beryllium (Be)	mg/L	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Calcium (Ca)	mg/L	10.7	10.4	0.05	2.84%	9.55	9.73	0.05	1.87%
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Cobalt (Co)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Copper (Cu)	mg/L	0.0004	0.00026	0.0002	-	0.00029	0.00034	0.0002	-
	Iron (Fe)	mg/L	0.057	0.056	0.01	1.77%	0.079	0.083	0.01	4.94%
	Lead (Pb)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	1.91	1.93	0.1	1.04%	1.69	1.71	0.1	1.18%
	Manganese (Mn)	mg/L	0.00116	0.00116	0.0001	-	0.00114	0.00146	0.0001	24.62%
	Mercury (Hg)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Molybdenum (Mo)	mg/L	0.000507	0.00049	0.00005	3.41%	0.000441	0.00054	0.00005	20.18%
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	0.4	0.402	0.1	-	0.403	0.418	0.1	-
	Selenium (Se)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Silicon (Si)	mg/L	3.6	3.47	0.05	3.68%	3.33	3.52	0.05	5.55%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Sodium (Na)	mg/L	2.7	2.7	0.05	-	2.38	2.51	0.05	5.32%
	Strontium (Sr)	mg/L	0.0749	0.0741	0.0002	1.07%	0.0665	0.0672	0.0002	1.05%
	Sulfur (S)	mg/L	<0.50	<0.50	0.5	-	0.56	0.93	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	<0.00030	<0.00030	0.0003	-	0.00033	0.00046	0.0003	-
	Uranium (U)	mg/L	0.000086	0.000089	0.00001	3.43%	0.000084	0.000086	0.00001	2.35%
	Vanadium (V)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Zinc (Zn)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-

Notes:
DL = Detection Limit; RPD = Relative Percent Difference.
"<" value is below the detection limit.
"- " indicates RPD was not computed because one or both concentrations were less than 5 times the detection limit.
Light gray shading indicates RPD was between 20 and 50%; dark gray shading indicated RPD was greater than 50%.

Appendix C.3 Relative Percent Difference Results for Lake Water Quality Samples

APPENDIX C.3: RELATIVE PERCENT DIFFERENCE RESULTS FOR LAKE WATER QUALITY SAMPLES

Class	Parameter	Units	2025-02-05				2025-02-10				2025-10-13			
			KL-01 (Deep)				TL-02				TL-04			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Physical Tests	pH	pH units	7.90	7.89	0.1	0.13%	8.14	8.14	0.1	0%	8.23	8.23	0.1	-
	Total Suspended Solids	mg/L	<3.0	<3.0	3	-	<3.0	<3.0	3	-	<3.0	<3.0	3	-
	Total Dissolved Solids	mg/L	114	113	10	0.88%	115	118	13	2.58%	98	96	13	2.06%
	Conductivity	µS/cm	166	162	2	2.44%	162	161	2	0.62%	148	148	2	-
	Turbidity	NTU	0.52	0.46	0.1	-	0.22	0.19	0.1	-	0.79	0.76	0.1	3.87%
	Acidity (as CaCO ₃)	mg/L	<2.0	<2.0	2	-	<2.0	<2.0	2	-	<2.0	<2.0	2	-
	Alkalinity, Total (as CaCO ₃)	mg/L	88.2	85.8	1	2.76%	80.5	80.5	1	0%	74.5	76.1	1	2.12%
	Hardness (as CaCO ₃)-Total	mg/L	77.2	80.4	0.6	4.06%	77.4	77.6	0.6	0.26%	71.9	72.8	0.6	1.24%
	Hardness (as CaCO ₃)-Dissolved	mg/L	77.4	80.4	0.6	3.8%	73.7	72.9	0.6	1.09%	76.6	75.1	0.6	1.98%
Anions and Nutrients	Bromide (Br)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Chloride (Cl)	mg/L	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-
	Fluoride (F)	mg/L	0.066	0.064	0.02	-	0.060	0.059	0.02	-	0.058	0.056	0.02	-
	Sulfate (SO ₄)	mg/L	1.04	1.15	0.3	-	3.98	3.94	0.3	1.01%	4.12	4.13	0.3	0.24%
	Total Kjeldahl Nitrogen	mg/L	0.478	0.458	0.05	4.27%	0.266	0.256	0.05	3.83%	0.307	0.34	0.05	10.20%
	Ammonia, Total (as N)	mg/L	0.131	0.117	0.005	11.29%	0.0083	0.0072	0.005	-	0.0058	0.0089	0.005	-
	Nitrate (as N)	mg/L	0.0520	0.0638	0.005	20.38%	0.120	0.120	0.005	0%	<0.0050	<0.0050	0.005	-
	Nitrite (as N)	mg/L	0.0074	0.0077	0.001	3.97%	0.0019	0.0023	0.001	-	<0.0010	<0.0010	0.001	-
	Orthophosphate-Dissolved (as P)	mg/L	0.0037	0.0035	0.001	-	0.0182	0.0185	0.001	1.63%	<0.0010	<0.0010	0.001	-
Cyanides	Total Phosphate (as P)	mg/L	0.0119	0.0200	0.002	50.78%	0.0266	0.0270	0.002	1.49%	0.0113	0.0107	0.002	5%
	Cyanide, Strong Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
	Cyanide, Weak Acid Diss	mg/L	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-	<0.0050	<0.0050	0.005	-
Organic / Inorganic Carbon	Thiocyanate	mg/L	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-	<0.50	<0.50	0.5	-
	Total Organic Carbon	mg/L	7.67	7.68	0.5	0.13%	7.68	7.70	0.5	0.26%	8.18	7.91	0.5	3.36%
Total Metals	Dissolved Organic Carbon	mg/L	7.94	7.65	0.5	3.72%	7.43	7.47	0.5	0.54%	7.69	7.6	0.5	1.18%
	Aluminum (Al)	mg/L	<0.0030	<0.0030	0.003	-	<0.0030	<0.0030	0.003	-	0.0046	0.0059	0.003	-
Total Metals	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00036	0.00032	0.0001	-	0.00061	0.00061	0.0001	0%	0.00057	0.00054	0.0001	5.41%
	Barium (Ba)	mg/L	0.0127	0.0124	0.0001	2.39%	0.00617	0.00638	0.0001	3.35%	0.00595	0.00602	0.0001	1.17%
	Beryllium (Be)	mg/L	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Calcium (Ca)	mg/L	20.7	21.8	0.05	5.18%	23.0	22.0	0.05	4.44%	20.3	20.3	0.05	-
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Cobalt (Co)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Copper (Cu)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Iron (Fe)	mg/L	0.038	0.026	0.01	-	<0.010	<0.010	0.01	-	0.013	0.014	0.01	-
	Lead (Pb)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	6.19	6.30	0.1	1.76%	4.84	5.51	0.1	12.95%	5.16	5.37	0.1	3.99%
	Manganese (Mn)	mg/L	0.228	0.192	0.0001	17.14%	0.00363	0.00397	0.0001	8.95%	0.0085	0.00864	0.0001	1.63%
	Mercury (Hg)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Molybdenum (Mo)	mg/L	0.000611	0.000604	0.00005	1.15%	0.000650	0.000645	0.00005	0.77%	0.000611	0.000579	0.00005	5.38%
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	0.051	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	0.970	0.945	0.1	2.61%	0.889	0.911	0.1	2.44%	0.806	0.815	0.1	1.11%
	Selenium (Se)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	0.000072	0.00005	-	0.000052	0.00006	0.00005	-
	Silicon (Si)	mg/L	4.35	3.88	0.1	11.42%	4.87	4.71	0.1	3.34%	1.82	1.93	0.1	5.87%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-

APPENDIX C.3: RELATIVE PERCENT DIFFERENCE RESULTS FOR LAKE WATER QUALITY SAMPLES

Class	Parameter	Units	2025-02-05				2025-02-10				2025-10-13			
			KL-01 (Deep)				TL-02				TL-04			
			Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)	Primary	Duplicate	DL	RPD (%)
Total Metals <i>(cont'd)</i>	Sodium (Na)	mg/L	3.49	3.42	0.05	2.03%	3.64	4.21	0.05	14.52%	3.79	3.87	0.05	2.09%
	Strontium (Sr)	mg/L	0.117	0.113	0.0002	3.48%	0.109	0.111	0.0002	1.82%	0.0979	0.0986	0.0002	0.71%
	Sulfur (S)	mg/L	<0.50	<0.50	0.5	-	1.34	1.43	0.5	-	1.49	1.46	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	<0.00030	<0.00030	0.0003	-	<0.00030	<0.00030	0.0003	-	<0.00030	<0.00030	0.0003	-
	Uranium (U)	mg/L	0.000014	0.000013	0.00001	-	0.000110	0.000106	0.00001	3.7%	0.000112	0.000108	0.00001	3.64%
	Vanadium (V)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Zinc (Zn)	mg/L	<0.0030	<0.0030	0.003	-	<0.0030	<0.0030	0.003	-	<0.0030	<0.0030	0.003	-
Dissolved Metals	Aluminum (Al)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	0.0014	0.001	-
	Antimony (Sb)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Arsenic (As)	mg/L	0.00034	0.00034	0.0001	-	0.00061	0.00061	0.0001	0%	0.00052	0.00055	0.0001	5.61%
	Barium (Ba)	mg/L	0.0115	0.0119	0.0001	3.42%	0.00641	0.00635	0.0001	0.94%	0.00584	0.00591	0.0001	1.19%
	Beryllium (Be)	mg/L	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-	<0.000020	<0.000020	0.00002	-
	Bismuth (Bi)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Boron (B)	mg/L	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Cadmium (Cd)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Calcium (Ca)	mg/L	21.1	21.8	0.05	3.26%	21.1	20.8	0.05	1.43%	22.1	21.6	0.05	2.29%
	Chromium (Cr)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Cobalt (Co)	mg/L	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Copper (Cu)	mg/L	<0.00020	<0.00020	0.0002	-	0.00024	0.00024	0.0002	-	0.00021	0.00023	0.0002	-
	Iron (Fe)	mg/L	0.012	0.012	0.01	-	<0.010	<0.010	0.01	-	<0.010	<0.010	0.01	-
	Lead (Pb)	mg/L	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-	<0.000050	<0.000050	0.00005	-
	Lithium (Li)	mg/L	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-
	Magnesium (Mg)	mg/L	6.00	6.31	0.1	5.04%	5.11	5.10	0.1	0.2%	5.2	5.13	0.1	1.36%
	Manganese (Mn)	mg/L	0.162	0.158	0.0001	2.5%	0.00149	0.00153	0.0001	2.65%	0.00121	0.00117	0.0001	3.36%
	Mercury (Hg)	mg/L	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-	<0.0000050	<0.0000050	0.000005	-
	Molybdenum (Mo)	mg/L	0.000590	0.000606	0.00005	2.68%	0.000605	0.000564	0.00005	7.01%	0.000638	0.00064	0.00005	0.31%
	Nickel (Ni)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Phosphorus (P)	mg/L	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-	<0.050	<0.050	0.05	-
	Potassium (K)	mg/L	0.949	0.980	0.1	3.21%	0.940	0.944	0.1	0.42%	0.789	0.784	0.1	0.64%
	Selenium (Se)	mg/L	0.000074	0.000064	0.00005	-	0.000052	0.000057	0.00005	-	0.000058	0.00005	0.00005	-
	Silicon (Si)	mg/L	3.61	3.67	0.05	1.65%	5.03	5.03	0.05	0%	1.73	1.72	0.05	0.58%
	Silver (Ag)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Sodium (Na)	mg/L	3.41	3.56	0.05	4.3%	3.67	3.58	0.05	2.48%	3.53	3.67	0.05	3.89%
	Strontium (Sr)	mg/L	0.114	0.115	0.0002	0.87%	0.102	0.102	0.0002	0%	0.106	0.108	0.0002	1.87%
	Sulfur (S)	mg/L	<0.50	0.60	0.5	-	1.25	1.29	0.5	-	1.44	1.53	0.5	-
	Thallium (Tl)	mg/L	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-	<0.000010	<0.000010	0.00001	-
	Tin (Sn)	mg/L	<0.00010	0.00023	0.0001	-	<0.00010	<0.00010	0.0001	-	<0.00010	<0.00010	0.0001	-
	Titanium (Ti)	mg/L	<0.00030	<0.00030	0.0003	-	<0.00030	<0.00030	0.0003	-	<0.00030	<0.00030	0.0003	-
	Uranium (U)	mg/L	0.000012	0.000011	0.00001	-	0.000099	0.000094	0.00001	5.18%	0.000111	0.000104	0.00001	6.51%
	Vanadium (V)	mg/L	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-	<0.00050	<0.00050	0.0005	-
	Zinc (Zn)	mg/L	<0.0010	0.0013	0.001	-	<0.0010	<0.0010	0.001	-	<0.0010	<0.0010	0.001	-

Notes:

DL = Detection Limit; RPD = Relative Percent Difference.

"<" value is below the detection limit.

"-" indicates RPD was not computed because one or both concentrations were less than 5 times the detection limit.

Light gray shading indicates RPD was between 20 and 50%; dark gray shading indicated RPD was greater than 50%.

APPENDIX D BEFORE-AFTER CONTROL-IMPACT ANALYSIS FOR CONCENTRATIONS OF CONTAMINANTS OF POTENTIAL CONCERN IN SURFACE WATER

Appendix D: Before-After Control-Impact Analysis for Concentrations of Contaminants of Potential Concern in Surface Water

Contents

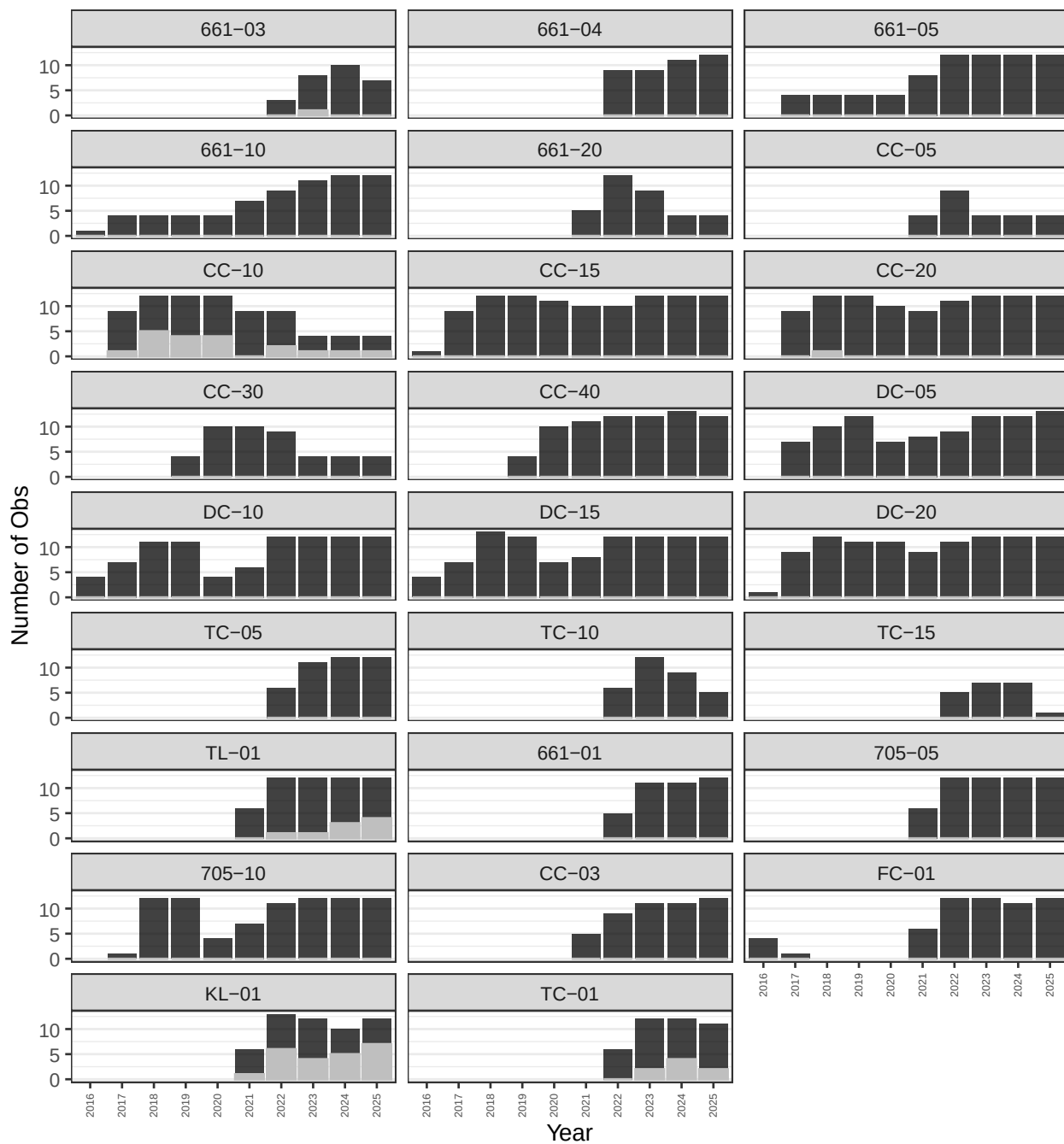
D.1	Total Aluminum	1
D.2	Total Iron	9

D.1 Total Aluminum

1 All Watersheds

1.1 Censored Data

The following charts indicate the number of measurements taken in each year from each stream that were below the detection limit (light gray) or above the detection limit (dark gray).



Observations at or below the analytical detection limit were considered censored. Data were excluded from the analysis if greater than 70% of observations from a site were censored or if greater than 50% of observations in a site's sampling year were censored. If more than 10% of observations from a site in a sampling year were censored, data were flagged to caution interpretation of results. The following observations were excluded:

Watershed	Site	Year	Class	Period	#Obs Removed
All	KL-01	2025	control	after	12

1.2 Sample Sizes for Modelling

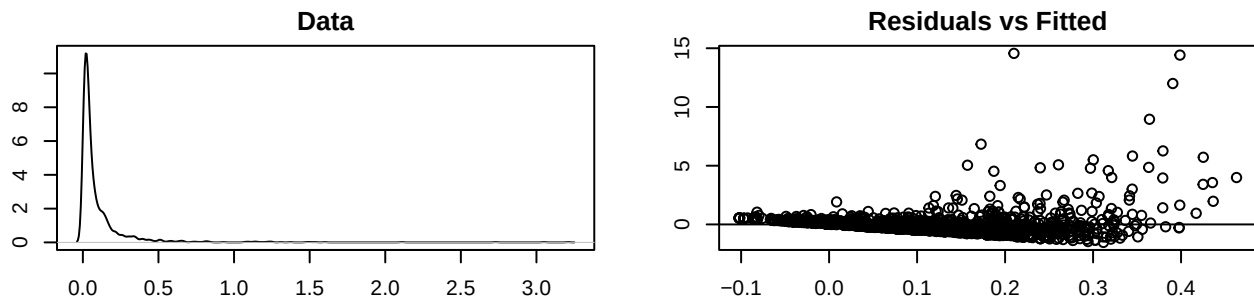
The remaining sample sizes per site and period are summarised in the table below.

Watershed	Site	Period	N	Median	% Censored
All	661-03	before	2	0.0204	0.000
All	661-03	after	26	0.0688	3.846
All	661-04	before	3	0.0510	0.000
All	661-04	after	38	0.0705	0.000
All	661-05	before	33	0.0573	0.000
All	661-05	after	39	0.1030	0.000
All	661-10	before	31	0.0850	0.000
All	661-10	after	37	0.1110	0.000
All	661-20	before	14	0.0464	0.000
All	661-20	after	20	0.0252	0.000
All	CC-05	before	11	0.0342	0.000
All	CC-05	after	14	0.0307	0.000
All	CC-10	before	61	0.0073	26.230
All	CC-10	after	14	0.0048	21.429
All	CC-15	before	63	0.0357	0.000
All	CC-15	after	38	0.0665	0.000
All	CC-20	before	61	0.0324	1.639
All	CC-20	after	38	0.0441	0.000
All	CC-30	before	30	0.0436	0.000
All	CC-30	after	15	0.0273	0.000
All	CC-40	before	34	0.0397	0.000
All	CC-40	after	40	0.0288	0.000
All	DC-05	before	51	0.0491	0.000
All	DC-05	after	39	0.2015	0.000
All	DC-10	before	52	0.0427	0.000
All	DC-10	after	39	0.1520	0.000
All	DC-15	before	60	0.0350	0.000
All	DC-15	after	39	0.1040	0.000
All	DC-20	before	62	0.0417	0.000
All	DC-20	after	38	0.1111	0.000
All	TC-05	before	3	0.0338	0.000
All	TC-05	after	38	0.0269	0.000
All	TC-10	before	3	0.0242	0.000
All	TC-10	after	29	0.0144	0.000
All	TC-15	before	3	0.0162	0.000
All	TC-15	after	17	0.0180	0.000
All	TL-01	before	18	0.0082	5.556
All	TL-01	after	36	0.0040	22.222
All	661-01	before	3	0.0550	0.000
All	661-01	after	36	0.0598	0.000
All	705-05	before	15	0.0940	0.000
All	705-05	after	39	0.0575	0.000
All	705-10	before	45	0.0944	0.000
All	705-10	after	38	0.0608	0.000
All	CC-03	before	12	0.0262	0.000
All	CC-03	after	36	0.0187	0.000
All	FC-01	before	20	0.0237	0.000
All	FC-01	after	38	0.0172	0.000
All	KL-01	before	16	0.0038	25.000
All	KL-01	after	25	0.0035	48.000
All	TC-01	before	3	0.0049	0.000
All	TC-01	after	38	0.0048	21.053

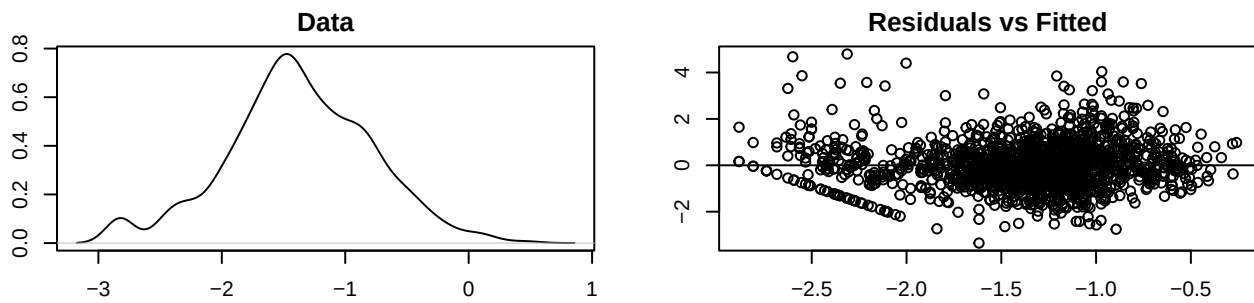
1.3 Initial Model Fit

Initially a model was fit to all sites to assess the need for transformations.

Natural Scale Model



Log-10 Transformed Model



Outliers

The following is a summary of outliers identified (if any) using preliminary regression models. All data points were plotted in the summary figures. The analysis needs to be interpreted with care and in conjunction with graphical displays if large outliers are present.

Outliers on natural scale:

Watershed	Site	Year	Month	Class	Period	Value	Fitted	Std. Resid	Detected
All	661-05	2023	11	impact	after	3.050	0.2101	14.564	Y
All	DC-20	2024	4	impact	after	3.210	0.3987	14.417	Y
All	DC-05	2024	3	impact	after	2.730	0.3906	11.997	Y
All	DC-20	2024	3	impact	after	2.110	0.3641	8.954	Y
All	661-03	2024	1	impact	after	1.505	0.1727	6.832	Y
All	DC-10	2024	4	impact	after	1.600	0.3794	6.260	Y
All	DC-10	2024	3	impact	after	1.480	0.3448	5.822	Y
All	DC-05	2024	4	impact	after	1.540	0.4252	5.717	Y
All	DC-05	2024	2	impact	after	1.373	0.3002	5.500	Y
All	DC-15	2025	6	impact	after	1.250	0.2606	5.074	Y
All	FC-01	2022	6	control	before	1.140	0.1573	5.040	Y
All	661-05	2024	3	impact	after	1.310	0.3633	4.855	Y
All	DC-20	2018	5	impact	before	1.180	0.2400	4.821	Y
All	DC-20	2024	12	impact	after	1.230	0.2970	4.785	Y
All	661-05	2025	4	impact	after	1.210	0.3173	4.578	Y

All	661-04	2025	3	impact	after	1.070	0.1873	4.527	Y
All	DC-20	2024	7	impact	after	1.100	0.3212	3.994	Y
All	DC-05	2024	5	impact	after	1.241	0.4630	3.991	Y
All	DC-10	2024	6	impact	after	1.150	0.3792	3.953	Y
All	661-05	2024	5	impact	after	1.130	0.4357	3.561	Y
All	DC-05	2024	6	impact	after	1.090	0.4250	3.410	Y
All	DC-10	2025	10	impact	after	0.840	0.1944	3.311	Y
All	DC-05	2025	6	impact	after	0.930	0.3445	3.003	Y

Outliers on log scale:

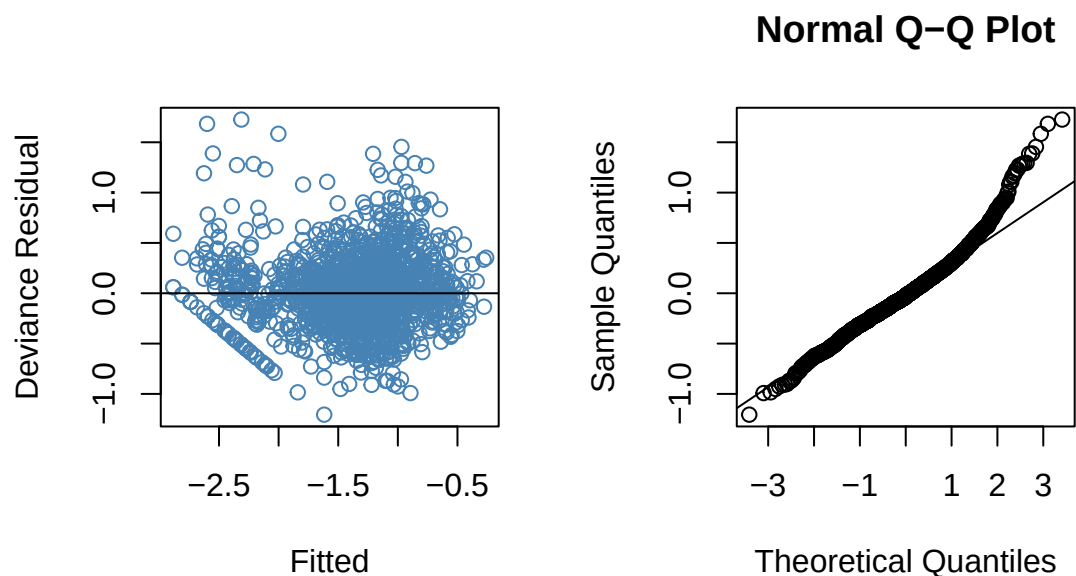
Watershed	Site	Year	Month	Class	Period	Value	Fitted	Std. Resid	Detected
All	CC-10	2022	10	impact	after	-0.5871	-2.3129	4.797	Y
All	TC-01	2023	2	control	after	-0.9172	-2.6001	4.678	Y
All	TC-15	2022	10	impact	after	-0.4179	-2.0021	4.403	Y
All	661-05	2023	11	impact	after	0.4843	-0.9698	4.042	Y
All	TC-01	2023	1	control	after	-1.1624	-2.5514	3.861	Y
All	661-03	2024	1	impact	after	0.1775	-1.2076	3.850	Y
All	DC-20	2024	3	impact	after	0.3243	-0.9713	3.601	Y
All	DC-05	2024	3	impact	after	0.4362	-0.8567	3.593	Y
All	CC-10	2021	10	impact	before	-0.9247	-2.2096	3.571	Y
All	CC-10	2021	9	impact	before	-1.0762	-2.3494	3.539	Y
All	DC-20	2024	4	impact	after	0.5065	-0.7612	3.523	Y
All	CC-10	2020	11	impact	before	-0.8827	-2.1132	3.420	Y
All	FC-01	2022	6	control	before	0.0569	-1.1692	3.408	Y
All	TL-01	2024	5	impact	after	-2.8239	-1.6177	-3.353	N
All	TL-01	2023	2	impact	after	-1.4342	-2.6261	3.313	Y
All	661-04	2025	3	impact	after	0.0294	-1.1412	3.253	Y
All	DC-05	2024	2	impact	after	0.1375	-1.0199	3.217	Y
All	CC-10	2023	5	impact	after	-0.4855	-1.5925	3.077	Y
All	DC-10	2024	3	impact	after	0.1703	-0.9364	3.076	Y
All	TC-15	2024	2	impact	after	-0.7144	-1.7947	3.002	Y

Based on examination of the residuals, the log-10 transformed data were selected for analysis. No outliers were removed prior to analysis.

1.4 Before-After Control-Impact Linear Modeling

A models was fit to compare impact sites with control sites.

Plot of Standardized Residuals and Fitted Values



Results of the ANOVA test on the fixed effects of the model:

	Sum Sq.	Mean Sq.	NumDF	DenDF	F value	p	p adjusted
class	0.1364	0.1364	1	24.14	1.053	0.315	
period	3.5385	3.5385	1	315.21	27.335	<0.001	
class:period	6.2621	6.2621	1	1516.59	48.374	<0.001	2.09e-11

Results of the observed power calculation for the between-effect test on the fixed effects for repeated-measures ANOVA analysis at a significance level of 0.05:

Sample Size	Effect Size (f2)	Expected Power	Power Test
1553	0.0707	64%	Repeated-Measures ANOVA

Summary of BACI contrasts for relative difference between changes from the *before* to *after* in impact sites (661-03, 661-04, 661-05, 661-10, 661-20, CC-05, CC-10, CC-15, CC-20, CC-30, CC-40, DC-05, DC-10, DC-15, DC-20, TC-05, TC-10, TC-15, TL-01) and control sites (661-01, 705-05, 705-10, CC-03, FC-01, KL-01, TC-01), with p value adjusted for multiple comparisons:

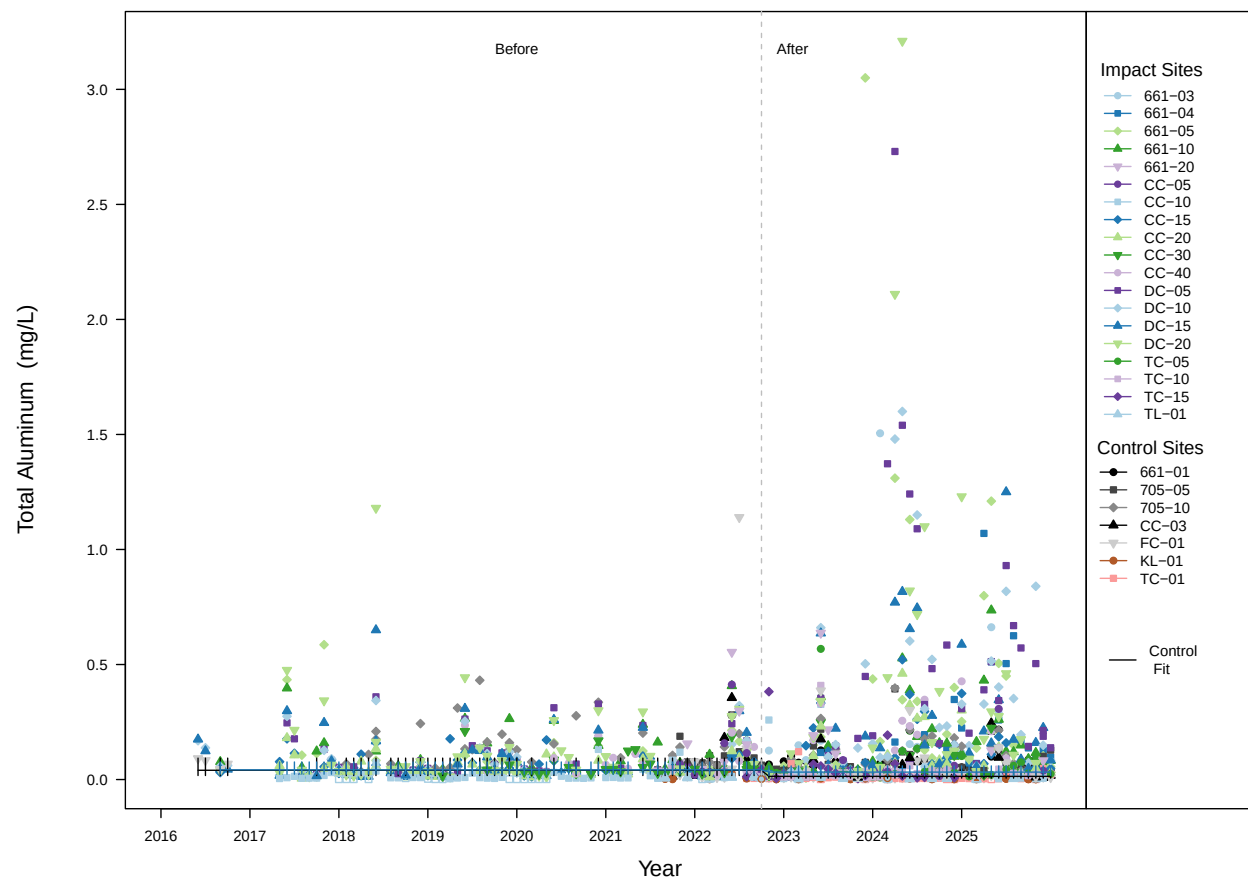
Impact vs.	Estimate	Significance
control sites	0.3472	significant

Conclusion:

The change in Total Aluminum concentrations at the impact sites from *before* to *after* was significantly (*adjusted* $p = 2.09 \times 10^{-11}$) different from the change at the control sites, according to the test on the BACI term (*class:period*).

1.5 Model Summary

The overall performance of the model is shown in the plot below. All the observations are plotted along with the model estimates. The model fitted values and 95% confidence intervals are indicated as lines and errors.



Note: Open symbols represent cases where the results were below the sample detection limit. Model fitted values are based on site class and period. Error bars indicate 95% confidence intervals. The positions of data along the x-axis are adjusted for legibility. Modelled log-transformed values were converted back to natural scale.

Final Summary Table

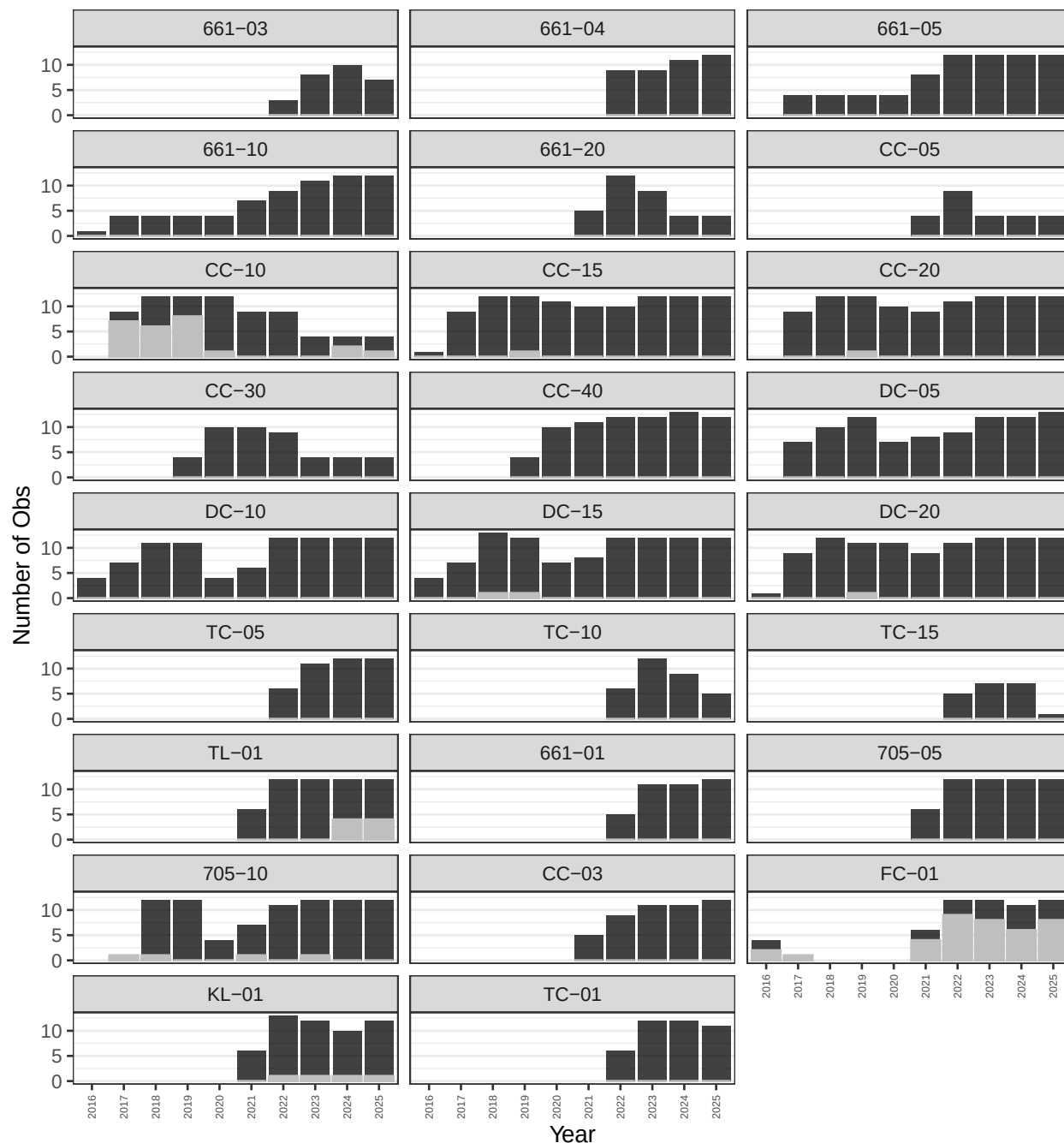
Variable	Total Aluminum
Watershed	All
Waterbody	Stream
Streams Removed	None
Data Transformation	Log-10 transformed
Model Type	Linear Mixed Effects Regression
Is BACI significant	Yes

D.2 Total Iron

1 All Watersheds

1.1 Censored Data

The following charts indicate the number of measurements taken in each year from each stream that were below the detection limit (light gray) or above the detection limit (dark gray).



Observations at or below the analytical detection limit were considered censored. Data were excluded from the analysis if greater than 70% of observations from a site were censored or if greater than 50% of observations in a site's sampling year were censored. If more than 10% of observations from a site in a sampling year were censored, data were flagged to caution interpretation of results. The following observations were excluded:

Watershed	Site	Year	Class	Period	#Obs Removed
All	CC-10	2017	impact	before	9
All	CC-10	2019	impact	before	12
All	705-10	2017	control	before	1
All	FC-01	2017	control	before	1
All	FC-01	2021	control	before	6
All	FC-01	2022	control	before	12
All	FC-01	2022	control	after	12
All	FC-01	2023	control	after	12
All	FC-01	2024	control	after	11
All	FC-01	2025	control	after	12

1.2 Sample Sizes for Modelling

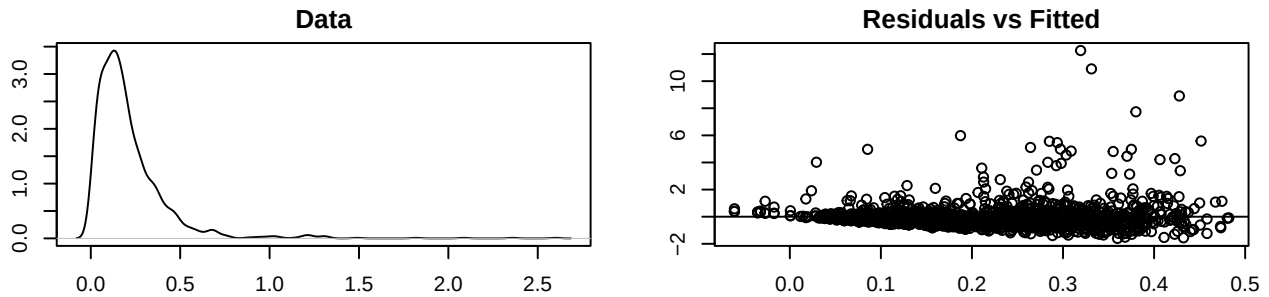
The remaining sample sizes per site and period are summarised in the table below.

Watershed	Site	Period	N	Median	% Censored
All	661-03	before	2	0.0795	0.000
All	661-03	after	26	0.1200	0.000
All	661-04	before	3	0.0680	0.000
All	661-04	after	38	0.0817	0.000
All	661-05	before	33	0.1930	0.000
All	661-05	after	39	0.2060	0.000
All	661-10	before	31	0.2110	0.000
All	661-10	after	37	0.2510	0.000
All	661-20	before	14	0.1968	0.000
All	661-20	after	20	0.1500	0.000
All	CC-05	before	11	0.2170	0.000
All	CC-05	after	14	0.1370	0.000
All	CC-10	before	24	0.0255	29.167
All	CC-15	before	63	0.1460	1.587
All	CC-15	after	38	0.2315	0.000
All	CC-20	before	61	0.1452	1.639
All	CC-20	after	38	0.2023	0.000
All	CC-30	before	30	0.2880	0.000
All	CC-30	after	15	0.3460	0.000
All	CC-40	before	34	0.3000	0.000
All	CC-40	after	40	0.3435	0.000
All	DC-05	before	51	0.0910	0.000
All	DC-05	after	39	0.2058	0.000
All	DC-10	before	52	0.0760	0.000
All	DC-10	after	39	0.1700	0.000
All	DC-15	before	60	0.0645	3.333
All	DC-15	after	39	0.1050	0.000
All	DC-20	before	62	0.1470	1.613
All	DC-20	after	38	0.3922	0.000
All	TC-05	before	3	0.3540	0.000
All	TC-05	after	38	0.3330	0.000
All	TC-10	before	3	0.4090	0.000
All	TC-10	after	29	0.3270	0.000
All	TC-15	before	3	0.3650	0.000
All	TC-15	after	17	0.1790	0.000
All	TL-01	before	18	0.0325	0.000
All	TL-01	after	36	0.0150	22.222
All	661-01	before	3	0.0930	0.000
All	661-01	after	36	0.1047	0.000
All	705-05	before	15	0.2100	0.000
All	705-05	after	39	0.2110	0.000
All	705-10	before	16	0.0940	6.250
All	CC-03	before	12	0.2065	0.000
All	CC-03	after	36	0.1395	0.000
All	FC-01	before	4	0.0335	50.000
All	KL-01	before	16	0.0485	6.250
All	KL-01	after	37	0.0350	8.108
All	TC-01	before	3	0.0440	0.000
All	TC-01	after	38	0.0650	0.000

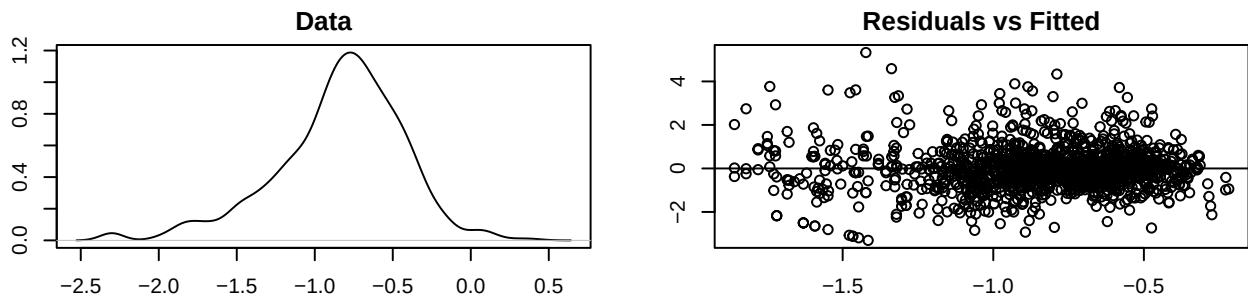
1.3 Initial Model Fit

Initially a model was fit to all sites to assess the need for transformations.

Natural Scale Model



Log-10 Transformed Model



Outliers

The following is a summary of outliers identified (if any) using preliminary regression models. All data points were plotted in the summary figures. The analysis needs to be interpreted with care and in conjunction with graphical displays if large outliers are present.

Outliers on natural scale:

Watershed	Site	Year	Month	Class	Period	Value	Fitted	Std. Resid	Detected
All	661-05	2023	11	impact	after	2.6000	0.3193	12.258	Y
All	DC-05	2024	3	impact	after	2.3600	0.3312	10.904	Y
All	DC-20	2024	3	impact	after	2.0850	0.4277	8.907	Y
All	661-10	2025	8	impact	after	1.8200	0.3801	7.739	Y
All	661-03	2024	1	impact	after	1.3000	0.1874	5.980	Y
All	DC-20	2024	4	impact	after	1.4900	0.4516	5.581	Y
All	DC-10	2024	3	impact	after	1.3200	0.2850	5.562	Y
All	705-05	2025	9	control	after	1.3100	0.2937	5.462	Y
All	DC-05	2024	2	impact	after	1.2146	0.2643	5.107	Y
All	DC-20	2018	5	impact	before	1.2250	0.2971	4.987	Y
All	DC-20	2024	12	impact	after	1.3000	0.3750	4.971	Y
All	KL-01	2022	11	control	after	1.0100	0.0854	4.969	Y
All	DC-10	2024	4	impact	after	1.2100	0.3089	4.843	Y
All	DC-05	2024	4	impact	after	1.2500	0.3551	4.810	Y
All	705-05	2025	8	control	after	1.1500	0.3035	4.550	Y

All	661-10	2025	9	impact	after	1.2000	0.3703	4.459	Y
All	661-05	2025	4	impact	after	1.2200	0.4229	4.284	Y
All	661-05	2024	3	impact	after	1.1900	0.4065	4.211	Y
All	TC-01	2023	2	control	after	0.7770	0.0292	4.019	Y
All	DC-20	2017	10	impact	before	1.0300	0.2834	4.013	Y
All	705-05	2025	10	control	after	1.0300	0.2980	3.934	Y
All	661-20	2023	5	impact	after	0.9930	0.2926	3.765	Y
All	661-04	2025	3	impact	after	0.8780	0.2107	3.586	Y
All	TC-15	2022	10	impact	after	0.9100	0.2709	3.435	Y
All	661-05	2024	5	impact	after	1.0600	0.4288	3.393	Y
All	DC-05	2024	5	impact	after	0.9484	0.3535	3.197	Y
All	TC-10	2023	5	impact	after	0.9570	0.3731	3.138	Y

Outliers on log scale:

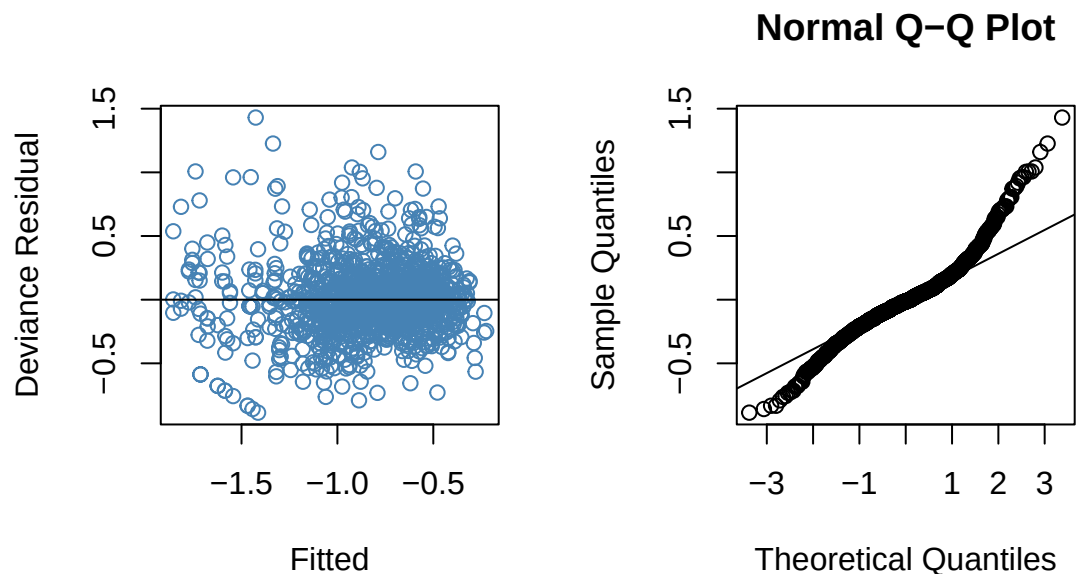
Watershed	Site	Year	Month	Class	Period	Value	Fitted	Std. Resid	Detected
All	KL-01	2022	11	control	after	0.0043	-1.4229	5.328	Y
All	TC-01	2023	2	control	after	-0.1096	-1.3379	4.586	Y
All	DC-05	2024	3	impact	after	0.3729	-0.7887	4.337	Y
All	661-03	2024	1	impact	after	0.1139	-0.9286	3.892	Y
All	TL-01	2022	9	impact	before	-0.7328	-1.7418	3.767	Y
All	DC-10	2024	3	impact	after	0.1206	-0.8850	3.754	Y
All	661-05	2023	11	impact	after	0.4150	-0.5813	3.720	Y
All	KL-01	2024	2	control	after	-0.4895	-1.4567	3.611	N
All	KL-01	2023	2	control	after	-0.5834	-1.5485	3.603	Y
All	DC-05	2024	2	impact	after	0.0844	-0.8698	3.562	Y
All	CC-10	2020	11	impact	before	-0.5436	-1.4755	3.479	Y
All	661-04	2025	3	impact	after	-0.0565	-0.9784	3.442	Y
All	TC-01	2023	1	control	after	-0.4202	-1.3149	3.340	Y
All	KL-01	2022	2	control	before	-2.3010	-1.4155	-3.306	N
All	DC-10	2024	4	impact	after	0.0828	-0.8015	3.301	Y
All	KL-01	2022	7	control	before	-0.4522	-1.3270	3.266	Y
All	DC-20	2024	3	impact	after	0.3191	-0.5548	3.262	Y
All	KL-01	2025	2	control	after	-2.3010	-1.4470	-3.188	N
All	TL-01	2024	5	impact	after	-2.3010	-1.4663	-3.116	N
All	TL-01	2024	5	impact	after	-2.3010	-1.4663	-3.116	N
All	CC-10	2020	4	impact	before	-2.3010	-1.4782	-3.072	N
All	DC-15	2025	6	impact	after	-0.1209	-0.9260	3.006	Y

Based on examination of the residuals, the log-10 transformed data were selected for analysis. No outliers were removed prior to analysis.

1.4 Before-After Control-Impact Linear Modeling

A models was fit to compare impact sites with control sites.

Plot of Standardized Residuals and Fitted Values



Results of the ANOVA test on the fixed effects of the model:

	Sum Sq.	Mean Sq.	NumDF	DenDF	F value	p	p adjusted
class	0.2764	0.2764	1	23.56	3.884	0.0606	
period	0.2673	0.2673	1	131.58	3.756	0.0548	
class:period	0.8706	0.8706	1	1354.14	12.232	<0.001	0.000485

Results of the observed power calculation for the between-effect test on the fixed effects for repeated-measures ANOVA analysis at a significance level of 0.05:

Sample Size	Effect Size (f2)	Expected Power	Power Test
1393	0.088	79%	Repeated-Measures ANOVA

Summary of BACI contrasts for relative difference between changes from the *before* to *after* in impact sites (661-03, 661-04, 661-05, 661-10, 661-20, CC-05, CC-15, CC-20, CC-30, CC-40, DC-05, DC-10, DC-15, DC-20, TC-05, TC-10, TC-15, TL-01) and control sites (661-01, 705-05, 705-10, CC-03, FC-01, KL-01, TC-01), with p value adjusted for multiple comparisons:

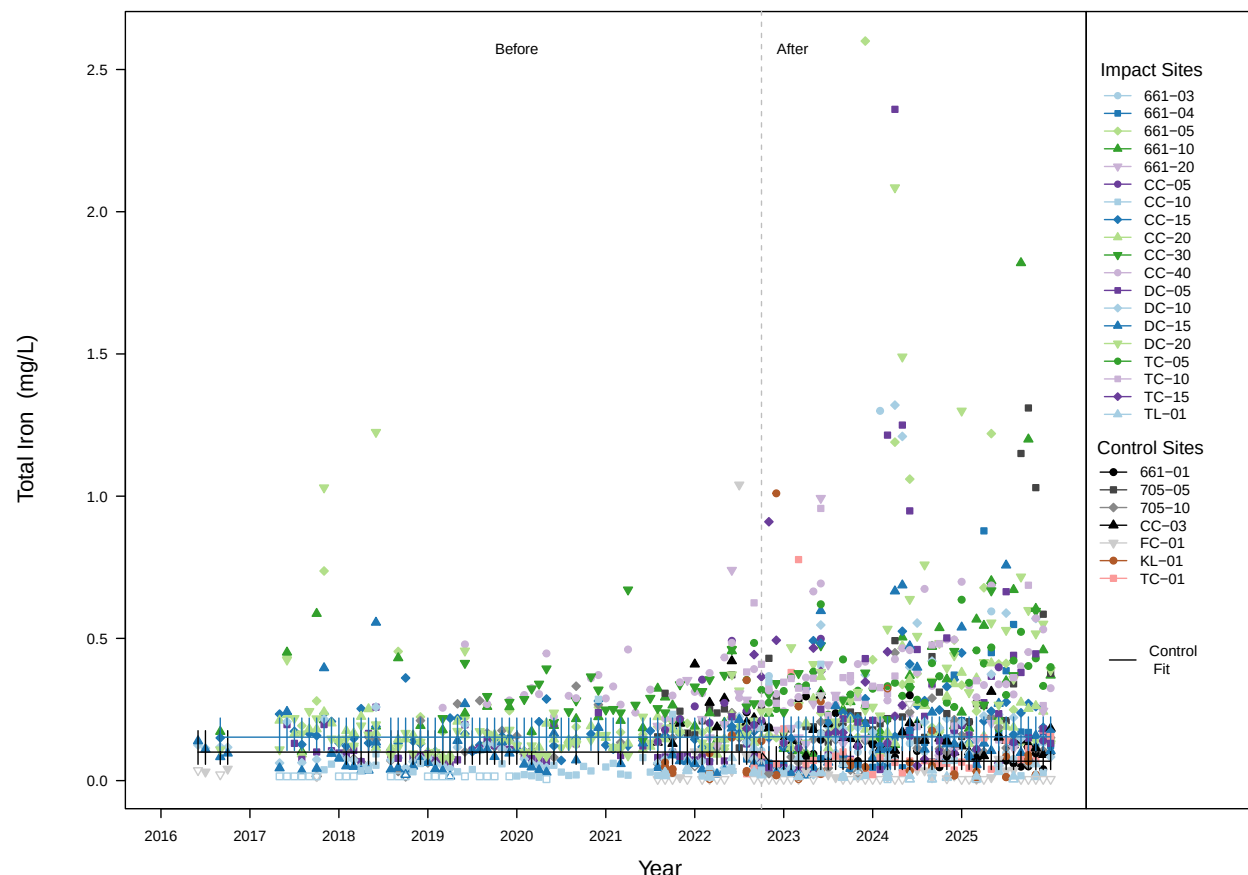
Impact vs.	Estimate	Significance
control sites	0.1704	significant

Conclusion:

The change in Total Iron concentrations at the impact sites from *before* to *after* was significantly (*adjusted* $p = 4.85 \times 10^{-4}$) different from the change at the control sites, according to the test on the BACI term (*class:period*).

1.5 Model Summary

The overall performance of the model is shown in the plot below. All the observations are plotted along with the model estimates. The model fitted values and 95% confidence intervals are indicated as lines and errors.



Note: Open symbols represent cases where the results were below the sample detection limit. Model fitted values are based on site class and period. Error bars indicate 95% confidence intervals. The positions of data along the x-axis are adjusted for legibility. Modelled log-transformed values were converted back to natural scale.

Final Summary Table

Variable	Total Iron
Watershed	All
Waterbody	Stream
Streams Removed	CC-10
Data Transformation	Log-10 transformed
Model Type	Linear Mixed Effects Regression
Is BACI significant	Yes



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