



Follow Up Programs for Condition 3.16 Annual Report 2025

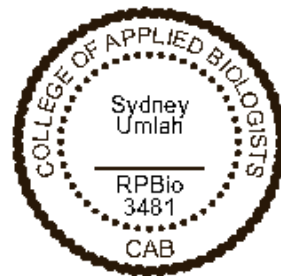
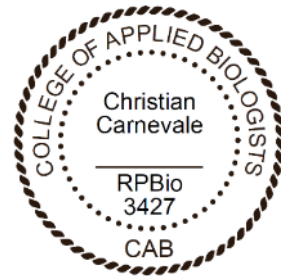
Blackwater Gold Ltd.



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Executive Summary

The Blackwater Gold Mine (the Mine) is a gold and silver open pit mine located in central British Columbia, approximately 160 kilometres southwest of Prince George, British Columbia. In accordance with Condition 3.16 of the Mine's Environmental Assessment Decision Statement, received in 2019, follow-up programs were developed to monitor fish and fish habitat in Tatelkuz Lake and Lower Chedakuz Creek. The follow-up program was designed to first determine baseline conditions, then monitor for any adverse effects resulting from the Mine, specifically the Fresh Water Supply System (FWSS), a proposed mitigation measure for adverse mine-related flow loss from the headwaters of the Davidson Creek catchment.

This report describes the methods and results of several field sampling programs conducted in Tatelkuz Lake and Lower Chedakuz Creek between March and October 2025.

Tatelkuz Lake fish and fish habitat surveys included:

- **Limnology and Winter Ice Conditions:** Tatelkuz Lake physical limnology and winter ice conditions surveys occurred at one mid-lake sampling location (TL LIM3) and assessments of winter ice conditions and in situ water quality measurements occurred at four nearshore sampling locations (TL BMC1 – TL BMC4). Tatelkuz Lake was thermally stratified in June and August 2025. Dissolved oxygen concentrations at the nearshore locations in the winter supported the previously collected data indicating that Tatelkuz Lake contains suitable overwintering habitat for Brassy Minnow. There was a statistically significant decrease in water temperature in the epilimnion (i.e., surface water) when comparing the average of the water profiles over time. There were no statistically significant changes in dissolved oxygen, pH, conductivity, specific conductivity, or temperature in the metalimnion and hypolimnion between 2021 and 2025 when compared between thermal strata.
- **Littoral Fish Habitat Surveys:** Littoral fish habitat surveys and UAV mapping occurred at 11 littoral sampling sites (TLLit1 to TLLit11). A habitat suitability index for Brassy Minnow was calculated for each site, and the habitat types described at each transect. All sampling locations provided adequate habitat for Brassy Minnow.
- **Littoral Fish Community and Abundance:** Fish community and abundance sampling occurred in July (larval) and August (adult) 2025. A total of 172 fish were captured during larval fish sampling, and 1,743 fish were captured during adult fish sampling, which is an increase in captures from previous years.

Lower Chedakuz Creek fish and fish habitat surveys included:

- **Overwintering Fish Habitat:** Winter habitat availability in Lower Chedakuz Creek was assessed via measurements of snowpack thickness, ice depth, and water quality measurements. Based on observed conditions, it is likely Lower Chedakuz Creek is snow and ice free all year near the confluence with Tatelkuz Lake.
- **Summer Fish Habitat:** Fish Habitat Assessment Procedures (FHAP) and in situ water quality sampling were completed in Lower Chedakuz Creek. The differences in observed

mesohabitat occurrence in 2025 compared to previous years was due to several factors impacting surveyor consistency.

- **Fish Community and Abundance:** Abundance and distribution of immature and small-bodied fish within Lower Chedakuz Creek were assessed via minnow trapping and electrofishing surveys. Minnow trapping catch per unit effort (CPUE) in 2025 was relatively variable among sites, consistent with CPUE values in previous years.
- **Kokanee Summer Spawner and Redd Abundance:** Visual spawner surveys were completed to determine the abundance of mature Kokanee in the section of Lower Chedakuz Creek between Tatelkuz Lake and the confluence with Davidson Creek. Similarly to previous years, no spawning Kokanee or Kokanee redds were observed. Limited observations of holding/migration Kokanee were made suggesting that this section of Lower Chedakuz Creek is primarily used for migration/holding rather than spawning.

Disclaimer

This report is rendered solely for the use of Blackwater Gold Ltd. (BW Gold) in connection with the Blackwater Gold Mine (the Mine) and no person may rely on it for any other purpose without Triton Environmental Consultants Ltd.'s prior written approval. Should a third party use this report without Triton's approval, they may not rely upon it. Triton accepts no responsibility for loss or damages suffered by any third party as a result of decisions made or actions taken based on this report.

This report is based on facts and opinions contained within the referenced documents, including the results of any data collection programs carried out in relation to this report. We have attempted to identify and consider facts and documents relevant to the scope of work, accurate as of the time period during which we conducted this analysis. However, the results, our opinions, or recommendations may change if new information becomes available or if information we have relied on is altered.

We applied accepted professional practices and standards in developing and interpreting data. While we used accepted professional practices in interpreting data provided by BW Gold or third-party sources, we did not verify the accuracy of any such data.

This report must be considered as a whole; selecting only portions of this report may result in a misleading view of the results, our opinions, or recommendations.

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Acronyms and Abbreviations

Acronym or Abbreviations	Definition
BC	British Columbia
BC WQG	British Columbia Water Quality Guidelines
BMC	Brassy Minnow
BW Gold	Blackwater Gold Ltd.
BC MWLRS	British Columbia Ministry of Water, Land and Resource Stewardship
CAS	Prickly Sculpin
CEA Agency	Canadian Environmental Assessment Agency
CI	confidence interval
CPUE	catch-per-unit-effort
CSU	Largescale Sucker
DC	Davidson Creek
DELTS	deformities, erosion, lesions, and tumors
DFO	Fisheries and Oceans Canada
DO	dissolved oxygen
EAC	Environmental Assessment Certificate
EMA	Environmental Management Act
FAL	Freshwater aquatic life
FHAP	Fish Habitat Assessment Procedure
FUP	Follow-Up Program
FWSS	Fresh water supply system
GoF	Goodness-of-fit model
GPS	Global Positioning System
HIS	Habitat suitability index
KO	Kokanee
LKC	Lake Chub
LSU	Longnose Sucker
MW	Mountain Whitefish
MWRLS	Ministry of Water, Land and Resource Stewardship
NAD	North American Datum
NFNs	Nechako First Nations
NSC	Northern Pikeminnow
RB	Rainbow Trout
SE	standard error
UTM	Universal Transverse Mercator
WSU	White Sucker

Symbols and Units of Measure

Symbol or Unit of Measure	Definition
%	percent
μS/cm	microsiemens per centimetre
°C	degrees Celsius
g	gram
Hz	Hertz
K	Fulton's condition factor
km	kilometre
K _n	relative condition
m	metre
masl	metres above sea level
mg/L	milligrams per litre
ms	millisecond
m ²	square metre
NTU	nephelometric turbidity unit
p	<i>p</i> -value, probability of obtaining observed results
s	seconds
V	volts
X ²	Chi squared statistic

1.0 Introduction

1.1 Mine Overview

The Blackwater Gold Mine (the Mine) is a gold and silver open pit mine located in central British Columbia (BC), approximately 112 kilometres (km) southwest of Vanderhoof, 160 km southwest of Prince George, and 446 km northeast of Vancouver. The Mine is located within the traditional territories of Lhoosk'uz Dené Nation, Ulkatcho First Nation, Skin Tyee Nation, and the Tsilhqot'in Nation. The Mine's access road and transmission line cross the traditional territories of Nadleh Whut'en First Nation, Saik'uz First Nation, Stellat'en First Nation, Nazko First Nation, Nee Tahi Buhn Band, Cheslatta Carrier Nation, and Yekooche First Nation (BC Environmental Assessment Office [BC EAO] 2019a). The Mine footprint, located in the headwaters of Davidson Creek and Creek 661 watersheds, includes an approximate area of 4,400 hectares (ha), which accommodates the Mine, mine waste, ore processing, and on-site infrastructure.

New Gold Inc. received a Federal Decision Statement (DS) on April 15, 2019, under the *Canadian Environmental Assessment Act, 2012* (Canadian Environmental Assessment [CEA] Agency 2019), and Environmental Assessment Certificate (EAC) #M19-01 on June 21, 2019, under the British Columbia 2002 *Environmental Assessment Act* (BC EAO 2019b). In August 2020, Artemis Gold Inc. (Artemis) acquired the mineral tenures, assets, and rights in the Blackwater Project that were previously held by New Gold Inc. The EAC was transferred to BW Gold Ltd. (BW Gold), a wholly owned subsidiary of Artemis on August 7, 2020, under the 2018 *Environmental Assessment Act* (BC EAO 2020). BW Gold received *Environmental Management Act* (EMA) Permit PE-110602 on June 34, 2021, authorizing early construction works, and Permit PE-110652, authorizing discharge of effluent from the Mine to surface water and groundwater, on May 2, 2023. The Mine's construction phase was initiated in September 2022, with works continuing through 2025. Mining operations commenced on May 1, 2025, with the expected life of the Mine being 23 years.

To mitigate reduced water flow in Davidson Creek caused by site infrastructure, a Fresh Water Supply System (FWSS) will transport water from Tatelkuz Lake to the Fresh Water Reservoir (FWR) located adjacent to Reach 6 of Davidson Creek. The FWR will also collect and store water from the upper portions of Davidson Creek, non-contact sources, and treated mine-contact water, with its primary purpose being to maintain environmental flows in Davidson Creek through controlled releases of water during Mine Operations through to Closure, with additional supply from Tatelkuz Lake after the FWSS is constructed.

1.2 Regulatory Requirements and Objectives

In accordance with regulatory approval requirements, long-term aquatic monitoring programs have been designed and implemented for waterbodies in the Mine area to detect and measure changes to the aquatic ecosystem and to determine if these changes are mine-related effects. With Mine development reducing the catchment area of Davidson Creek, water will be pumped from Tatelkuz Lake via a FWSS into Davidson Creek to maintain instream flow requirements. Condition 3.16 of the Federal DS required BW Gold to develop a Fish and Fish Habitat Follow-Up Program (FUP) to be implemented during all phases of the Mine to confirm data presented in the

EA and to evaluate the efficacy of mitigation measures for fish habitat impacts in Tatelkuz Lake and Chedakuz Creek.

Condition 3.16 contains three sub-conditions:

- Sub-condition 3.16.1 - The Proponent shall monitor, prior to the commissioning of the freshwater supply system, fish habitat quantity and quality surveys in the Tatelkuz Lake littoral zone;
- Sub-condition 3.16.2 – The Proponent shall monitor the Tatelkuz Lake littoral zone from the commissioning of the freshwater supply system until decommissioning; and
- Sub-condition 3.16.3 – The Proponent shall monitor water flows in Chedakuz Creek from Tatelkuz Lake and the confluence with Davidson Creek during open water season from construction until decommissioning.

Components of the FUP for 3.16 include:

- Monitoring fish habitat in the littoral zone of Tatelkuz Lake prior to (Condition 3.16.1) and following commissioning (Condition 3.16.2) of the FWSS; and
- Monitoring flows in Lower Chedakuz Creek, between Tatelkuz Lake and the confluence with Davidson Creek, during the open water season (Condition 3.16.3; completed by Knight Piésold Consulting and summarized in Section 3.5 Lower Chedakuz Creek Hydrology Report).

The following monitoring programs, detailed in the document 'Follow-Up Programs for Condition 3.16 of the Blackwater Gold Decision Statement Issued under Section 54 of the *Canadian Environmental Assessment Act*' (Palmer 2023a), were developed to meet Condition 3.16:

- Tatelkuz Lake limnology,
- Tatelkuz Lake littoral fish and fish habitat,
- Lower Chedakuz Creek fish and fish habitat,
- Lower Chedakuz Creek water quality, and
- Lower Chedakuz Creek discharge.

Concordance of these FUP components with the DS Condition and relevant results sections in this report is provided in Table 1-1.

Table 1-1. Concordance of the Follow Up Programs for Condition 3.16 with the Federal Decision Statement

Federal Decision Statement Condition	Relevant Sections in FUP	Relevant Annual Report Sections
Condition 3.16		
3.16.1 – conduct, prior to the commissioning of the freshwater supply system, fish and habitat quantity and quality surveys in the Tatelkuz Lake littoral zone	Section 1.3	Sections 2.1 and 2.2, 3.1, 3.2 and 3.4
3.16.2 – monitor the Tatelkuz Lake littoral zone from the commissioning of the freshwater supply system until decommissioning	Section 1.4	Not applicable as FWSS has not yet been constructed or commissioned
3.16.3 – monitor water flows in Chedakuz Creek between Tatelkuz Lake and the confluence with Davidson Creek during the open water season from construction until decommissioning	Section 1.5	Section 3.5

1.3 Scope of Work

Triton was retained by BW Gold to complete fisheries and aquatic monitoring programs to fulfill the yearly monitoring requirements described in the FUP for Condition 3.16. Multiple field programs were conducted in 2025:

- Tatelkuz Lake littoral zone limnology assessment field program, completed in March 2025;
- Tatelkuz Lake limnology and winter ice conditions field program, completed in March 2025;
- Tatelkuz Lake fish community and abundance sampling field program, conducted in July and August 2025;
- Tatelkuz Lake littoral fish habitat survey field program; completed in August 2025;
- Lower Chedakuz Creek overwintering habitat assessments field program, completed in March 2025;
- Lower Chedakuz Creek fish community and abundance field program, conducted in July and September 2025 (sub-condition 3.16.3 Lower Chedakuz Creek Monitoring During All Project Phases);
- Lower Chedakuz Creek summer fish habitat field program, conducted in July and September 2025; and
- Lower Chedakuz Creek Kokanee (*Oncorhynchus nerka*) spawner survey field program, conducted from July to September 2025.

This annual report summarizes the Tatelkuz Lake and Lower Chedakuz Creek field programs conducted from March to October 2025. Specific objectives, methods, and results of the field programs are separated by specific surveys and associated analyses to address assessment endpoints as described in the FUP for Condition 3.16 (Palmer 2023a). The data collected in 2025

are also compared to the results of field programs conducted from 2021 to 2024 (Palmer 2022, 2023b, 2024; Triton 2025).

1.4 Sampling Sites

Sampling sites were located across Tatelkuz Lake (Figure 1-1) and Lower Chedakuz Creek (Figure 1-2), between the outlet of Tatelkuz Lake and its confluence with Davidson Creek. Specific site information, relevant to each field program, is described in their respective sections.

1.5 Wildfires

1.5.1 2023

A wildfire spread from the surrounding area into the Mine site on July 10, 2023 and resulted in a site-wide evacuation, which delayed safe access to sampling sites until mid-August. The effects of the 2023 wildfire on the sampling are detailed in the Condition 3.14 Follow-up Program 2023 Results Report (Palmer 2024).

1.5.2 2024

In July 2024, multiple wildfires occurred in the vicinity of the Mine, including one at the southeast end of Tatelkuz Lake (Fire # G41160, 1,417 ha) and one 10 km north of Tatelkuz Lake (G41227; 2,840 ha), in addition to other smaller fires to the southeast of Tatelkuz Lake. Following an evacuation order, BW Gold removed all non-essential staff and contractors from the mine site on July 21, 2024. Personnel associated with this sampling program returned to site on July 29, 2024.

The evacuation caused minor impacts to sampling events that were planned during that time. Sampling events planned on Tatelkuz Lake throughout late July and August were also impacted as the lake was being used by multiple BC Wildfire Service aircraft to fight the nearby wildfires and requested that other users avoid being on the lake during this period. These impacts are detailed in the 2024 Annual Report (Triton 2025). The areas burned by the 2024 wildfires did not encompass any of the sites relevant to the FUP for Condition 3.16.

1.5.3 2025

In the summer of 2025, wildfires occurred in the vicinity of the Mine, including one on the south face of Davidson Mountain (Fire # G41243, 85 ha) and a large complex fire to the north of Tsacha Lake (G41658/G41135 9370 ha). No evacuations of Mine personnel were required and the areas burned by the 2025 wildfires did not encompass any of the sites relevant to the FUP for Condition 3.16.

1.6 Engagement

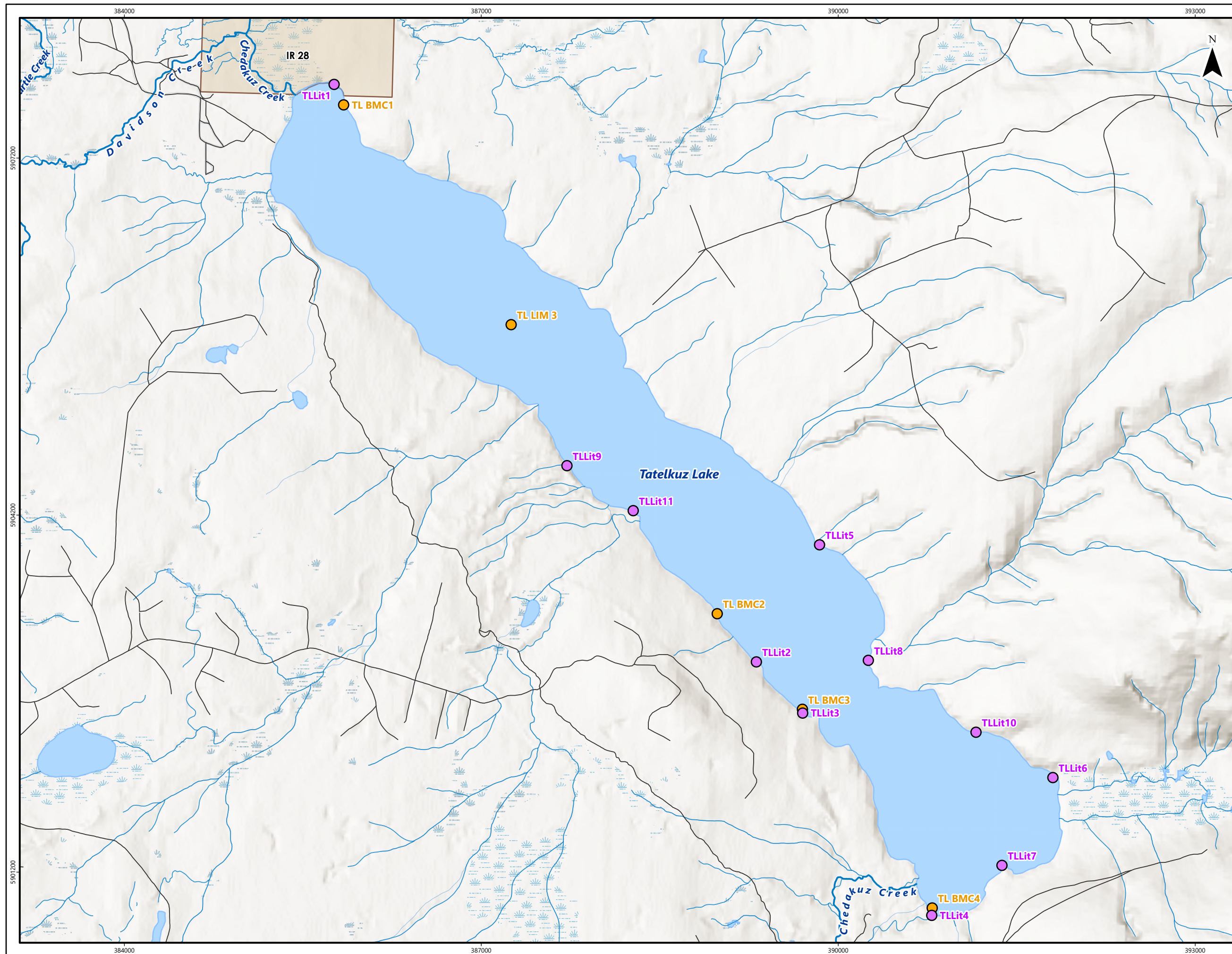
BW Gold has completed engagement regarding the 3.16 FUP with Indigenous nations and have planned additional engagement sessions. Much of the engagement regarding other programs, such as the Aquatic Effects Monitoring Program and the FUP for Condition 3.14, are also applicable to this report. Activities specific to the FUP for Condition 3.16 2025 Annual Report are described in Table 1-2.

Table 1-2. FUP for Condition 3.16 Annual Report Engagement

<i>Date</i>	<i>Topic</i>
September 18, 2025	Nechako First Nations (NFNs) provided an overview of their comments with respect to the 2024 Annual Report.
September 26, 2025	Responses to NFNs provided by BW Gold.

As a result of the input and feedback received from NFNs, a number of changes were incorporated into the 2025 reporting. Where practical, changes requested to other programs have also been included herein:

- Tatelkuz Lake Littoral (TLLit) sites were added to Figure 1-1 to display annual trends in Tatelkuz Lake littoral fish community throughout Tatelkuz Lake.
- Causes of fish mortality have been listed in tables where necessary.
- Several recommendations have been proposed for consideration during the next update to the FUP for Condition 3.16 in Section 4.0.



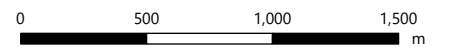
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Figure 1-1.
Tateltkuz Lake
sampling site locations

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-  Limnology Sampling
-  Littoral Fish and Fish Habitat
-  Gravel Road
-  Watercourse
-  Waterbody
-  Indian Reserve



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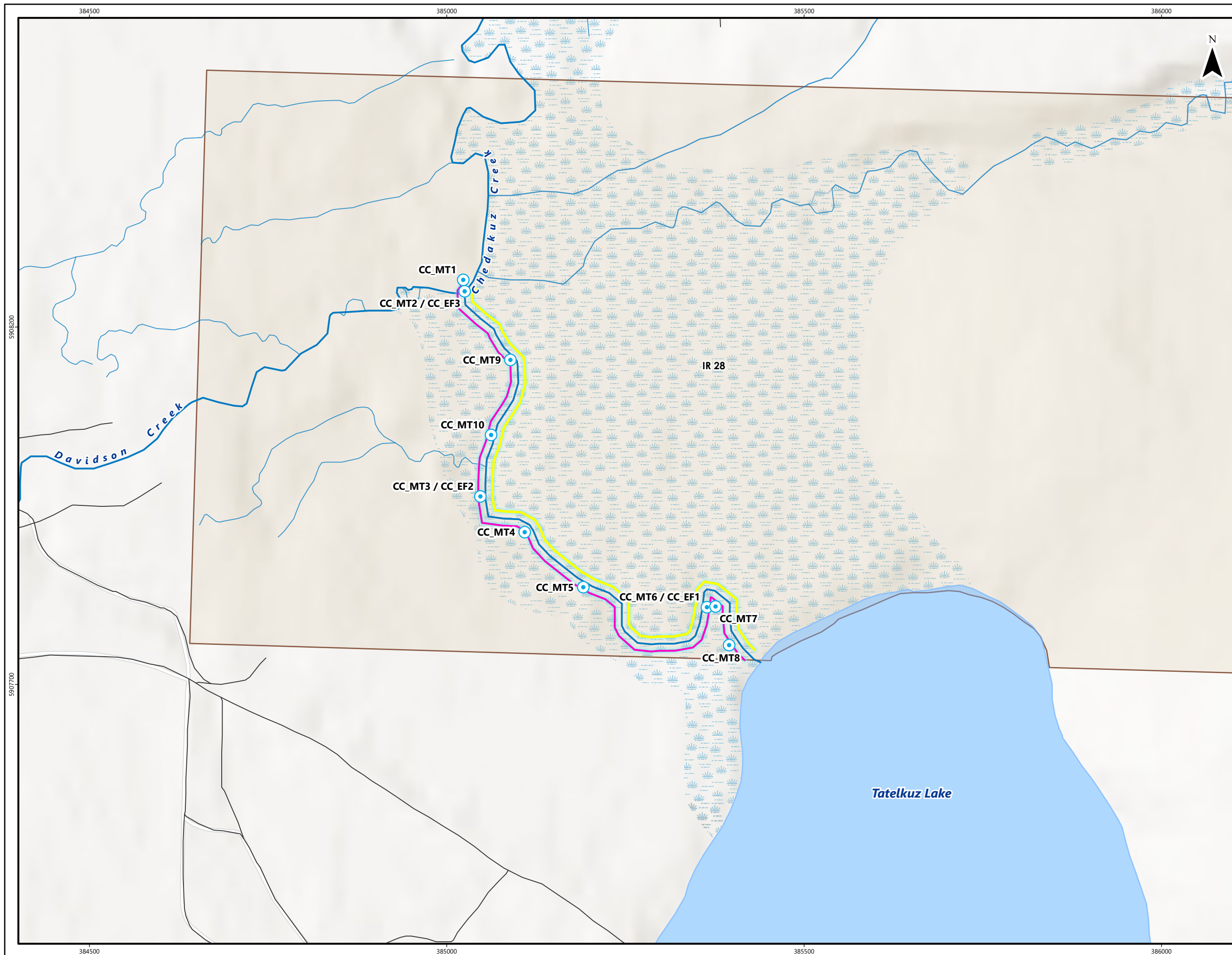
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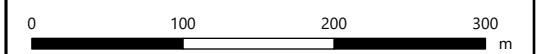
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Figure 1-2.
Lower Chedakuz Creek
sampling site locations

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-  Fish and Fish Habitat Survey
-  Fish Habitat Assessment Procedure (FHAP)
-  Kokanee Spawning Survey (CC_3.16)
-  Gravel Road
-  Watercourse
-  Waterbody
-  Indian Reserve



Scale: 1:5,000

Projection: NAD 1983 UTM Zone 10N

Base map Source: ESRI Basemaps

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2.0 Tatelkuz Lake

2.1 Limnology and Winter Ice Conditions

The objective of the limnology and winter ice condition surveys is to characterize seasonal variability in Tatelkuz Lake water quality and update baseline fish habitat data that will be used to assess the effect of the FWSS, once operational.

2.1.1 Measurement and Assessment Endpoints

Measurement and assessment endpoints are specified in the FUP for Condition 3.16 (Palmer 2023a) and are provided in Table 2-1.

Table 2-1. Measurement and assessment endpoints for Tatelkuz Lake limnology

Measurement Endpoint	Assessment Endpoint
Physical limnology	Water temperature (°C), pH, conductivity (µs/cm), dissolved oxygen (mg/L), phosphorous (mg/L), nitrogen (mg/L), Secchi depth (m)
Winter ice conditions	Ice thickness (cm), littoral winter dissolved oxygen (mg/L)

2.1.2 Sampling Sites, Timing, and Methods

Tatelkuz Lake physical limnology and winter ice condition surveys occurred at one mid-lake sampling location (TL LIM3). In support of Tatelkuz Lake littoral fish habitat surveys focused on the nearshore habitat associated with Brassy Minnow (*Hybognathus hankinsoni*), winter ice conditions and in situ water quality were measured at four sampling locations (TL BMC1 to TL BMC4) located along the lake shoreline (Figure 1-1).

Fieldwork to determine winter ice conditions was conducted in March 2025. Limnology assessments were conducted by Triton in March, June, and August 2025. Ecofish Research (Ecofish) conducted limnology fieldwork in October 2025. Sampling site locations and a data collection summary are provided in Table 2-2.

Table 2-2. Tatelkuz Lake limnology sample locations and data collection summary, 2025

Site	UTM Coordinates		Date of Assessment	Habitat Assessment	Limnology – Vertical Profile & Water Sampling	In Situ Water Quality	Sampling Conducted By
	Easting	Northing					
TL BMC1	385843	5907647	March 8	✓	N/A	✓	Triton
TL BMC2	388983	5903371	March 8	✓	N/A	✓	Triton
TL BMC3	389699	5902568	March 8	✓	N/A	✓	Triton
TL BMC4	390790	5900898	March 8	✓	N/A	✓	Triton
TL LIM3	387251	5905800	March 8	N/A	✓	N/A	Triton
			June 3	N/A	✓	N/A	Triton
			August 20	N/A	✓	N/A	Triton
			October 30	N/A	✓	N/A	Ecofish

Note: Coordinates are in North American Datum (NAD) 83, Universal Transverse Mercator (UTM) Zone 10

2.1.2.1 Field Methods

Tatelkuz Lake limnological surveys consisted of vertical water quality profile measurements, Secchi depth measurements (m), and surface water sample collection.

Vertical water quality profile measurements were conducted at the TL LIM3 site using a YSI ProQuatro multiparameter meter with a 30 m cable. Water quality measurements were taken at 1.0 m intervals from the lake surface to its maximum depth. Water quality variables measured consisted of temperature (°C), dissolved oxygen (DO) as concentration (milligrams per litre [mg/L]) and percent [%] saturation), pH, and specific conductivity (microsiemens per centimetre [μ S/cm]). Measurements were collected twice at each interval (once during each of the descending and the ascending profiles), allowing time at each metre interval for the readings to stabilize.

Secchi depth (m) was measured by lowering a Secchi disk into the water column and recording the depth (m) at which the disc disappeared from view. The Secchi disc was then slowly raised and the depth at which the disc reappeared was recorded. Secchi depth was calculated as the average of the two depth measurements. Secchi depth measurements were not collected in March 2025 as snow cover, presence of slush, and ice clarity reduced light penetration and the visibility of the disc.

Surface water samples were collected from the epilimnion (approximately 1 m depth) using a Van Dorn water sampler, and each sample was preserved in a pre-charged bottle supplied by the laboratory. Water samples were stored on ice and shipped to ALS for lab analysis of total phosphorus and total nitrogen.

Winter ice conditions were evaluated by measuring snowpack and ice thickness depths (m) and by assessing ice competence and condition. Winter in situ water quality measurements, collected at a depth of 1 m, included the same water quality variables collected during the vertical profile measurements described above.

2.1.2.2 Laboratory Methods

Analysis of total phosphorus and total nitrogen were completed by ALS using laboratory procedure TNTP-W10900 (NCASI 2011).

2.1.2.3 Quality Assurance/Quality Control

Water quality meters were calibrated each morning prior to use. Calibration solutions for conductivity (1413 μ S/cm) and pH (4.01, 7.01, and 10.01 pH) were used to calibrate the YSI ProQuatro multiparameter meters. The DO sensor was calibrated in the field prior to use; membranes and fluid were replaced when required.

Field data, photographs, and mapping information collected on digital platforms were examined for completeness prior to being uploaded nightly to cloud servers to mitigate the risk of data loss. Chain-of-custody forms were completed and shipped with all samples for laboratory analysis.

2.1.3 Data Analysis

Mean values of the descending and ascending water quality profiles were determined. Ascending and descending vertical profile raw data are provided in Appendix 2. Water quality values were compared to the British Columbia Approved Water Quality Guideline (BC WQG) for Freshwater Aquatic Life (FAL) (MWRLS 2025).

For effects assessment, a comparison of temporal trends in water quality variables will be conducted in future reports. A minimum of five years of monitoring data will be required to conduct this analysis.

2.1.4 Results and Discussion

Snow depth, ice thickness, and maximum water depth at TL LIM3 and the four nearshore sites are presented in Table 2-3. Ice was stable, with cloudy and clear layers, with a layer of slush on top.

Table 2-3. Tatelkuz Lake winter ice conditions, 2025

Site	Date	Snow Depth (m)	Ice Thickness (m)	Water Depth (m)
TL BMC1	March 8	0.05	0.42	0.76
TL BMC2	March 8	0.06	0.40	1.70
TL BMC3	March 8	0.08	0.41	1.80
TL BMC4	March 8	0.05	0.31	0.55
TL LIM3	March 8	0.03	0.45	30.00

Vertical profiles of temperature, dissolved oxygen concentration, and conductivity, as well as Secchi depths at TL LIM3 throughout 2025 are displayed in Figure 2-1. Tatelkuz Lake was thermally stratified in June and August 2025. The thermocline, which is the transition layer between warmer, near-surface water and cooler, deeper water, ranged from 6.65°C to 7.80°C in June and from 6.80°C to 14.65°C in August. The vertical profiles indicate that the lake stratification is different than previous years, however this is due to natural variability as the FWSS has not yet been constructed.

Average conductivity ranged from 79.98 µs/cm in March to 118.54 µs/cm in August. Average pH ranged from 7.51 in October to 8.09 in March, which is within the BC WQG for FAL (6.5 to 9.0 pH; MWRLS 2025) to support fish of all life stages. Secchi depth ranged from 2.32 m in August to 4.63 m in October (Figure 2-1). The decreased Secchi depth is likely due to increased water temperatures and sunshine causing an increase in algae production, as observed by the crew while conducting the littoral fish and fish habitat sampling a few days prior to water quality sampling in August 2025.

The average dissolved oxygen concentration throughout the water column ranged from 6.01 mg/L in August to 9.59 mg/L in June 2025. Dissolved oxygen was below the optimum minimum BC WQG for FAL threshold of 5.0 mg/L (MWRLS 2025) in March at the deepest part of the lake (28 to 30 m) and in August between 18 to 19 m and from 23 to 30 m. However, dissolved oxygen was still within BC WQG throughout most of the water column. Decreased dissolved oxygen in deep

sections of lakes may be a result of thermal stratification, limited atmospheric exchange of oxygen, and the consumption of oxygen by decomposing organic matter and respiration in the absence of light for photosynthesis.

In situ water quality data, collected at the four nearshore sites, are provided in Table 2-4. Dissolved oxygen levels were above the BC WQG recommended levels at all sampling locations. High dissolved oxygen levels are consistent with previous years, indicating that Tatelkuz Lake provides suitable overwintering habitat for Brassy Minnow.

Table 2-4. In situ water quality at Tatelkuz Lake nearshore sampling locations, March 8 2025

Site	Temperature (°C)	Conductivity (µs/cm)	Specific Conductivity (µs/cm)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	pH
TL BMC1	2.0	79.8	142.5	12.26	101.0	8.55
TL BMC2	2.6	80.4	140.8	9.80	81.0	8.25
TL BMC3	2.6	80.7	140.9	9.92	82.2	8.25
TL BMC4	2.2	83.9	148.6	11.66	95.5	8.35
BC WQG	<18	N/A	N/A	6.5-9.0	>5	N/A

Note: BC WQG = British Columbia Water Quality Guidelines for aquatic life. 5 mg/L dissolved oxygen is the instantaneous minimum for all life stages other than buried embryos/alevin. Mean weekly short-term temperature (MWMT) listed as temperature guideline, defined as the average of the warmest daily short-term temperatures for 7 consecutive days.

Total phosphorus and total nitrogen concentrations in surface water samples collected from TL LIM3 throughout 2025 are provided in Table 2-5. The BC WQG for FAL for total phosphorus is 5.0 to 15.0 µg/L. There is no BC WQG for FAL for total nitrogen. Total phosphorus concentration exceeded the BC FAL guideline at each sampling event in 2025.

Total phosphorus was lower in summer (June and August/September) than the winter and late fall (October/November). This was consistent among years (Figure 2-2). There was also a lower level of total nitrogen in June compared to winter and fall in 2025 (Table 2-5); however, this pattern was less clear in other years (Figure 2-3). Concentrations of phosphorus and nitrogen from each sampling event from 2021-2025 are presented in Appendix 5, Table 1.

Table 2-5. Total phosphorus and total nitrogen concentrations in Tatelkuz Lake (TL LIM3)

Site	Date	Total Phosphorus (µg/L)	Total Nitrogen (µg/L)
TL LIM3	2025-03-08	32.6	416
	2025-06-03	15.1	306
	2025-08-20	16.5	421
	2025-10-30	31.2	366
BC WQG	-	5.0-15.0	-

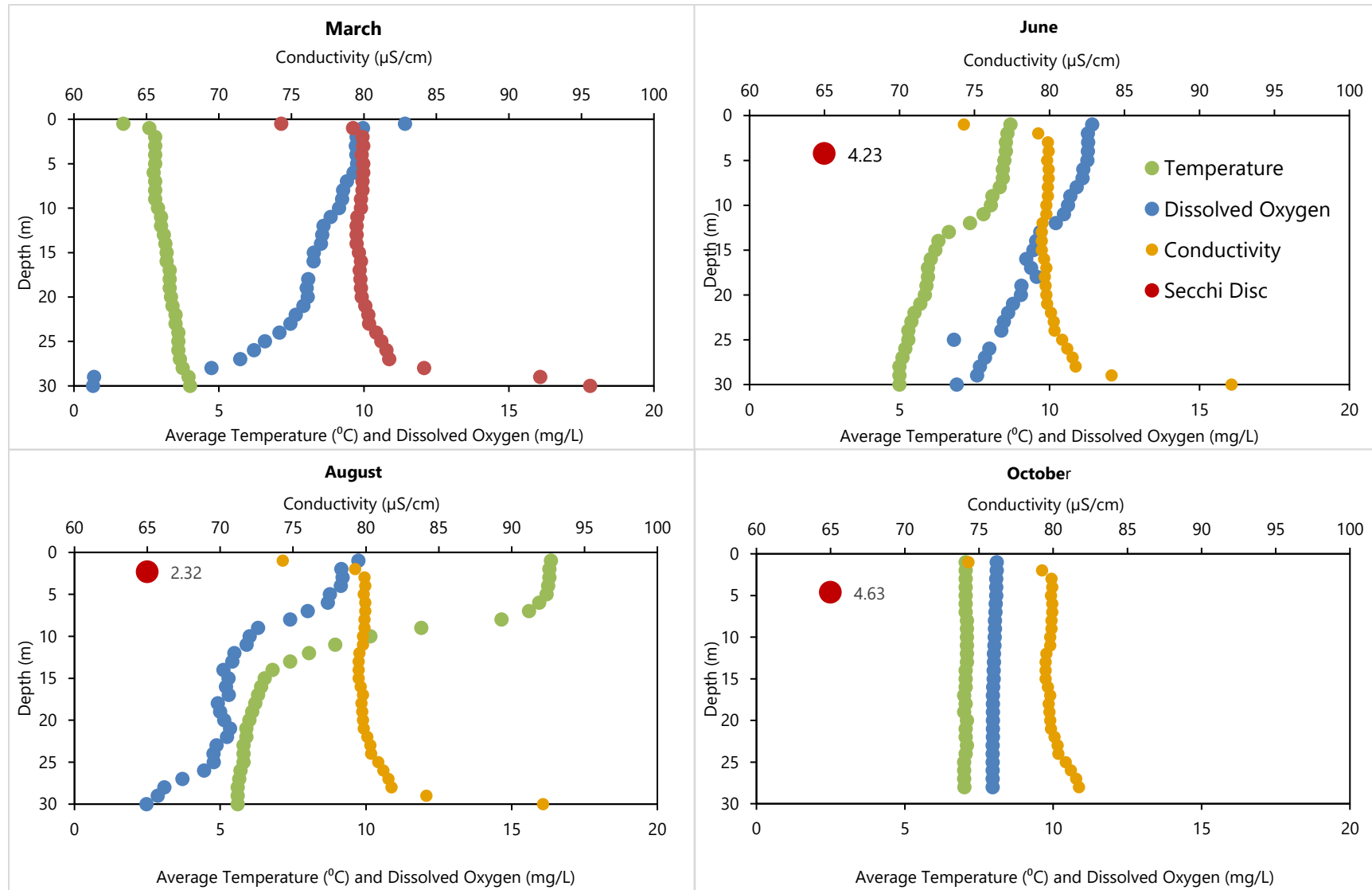
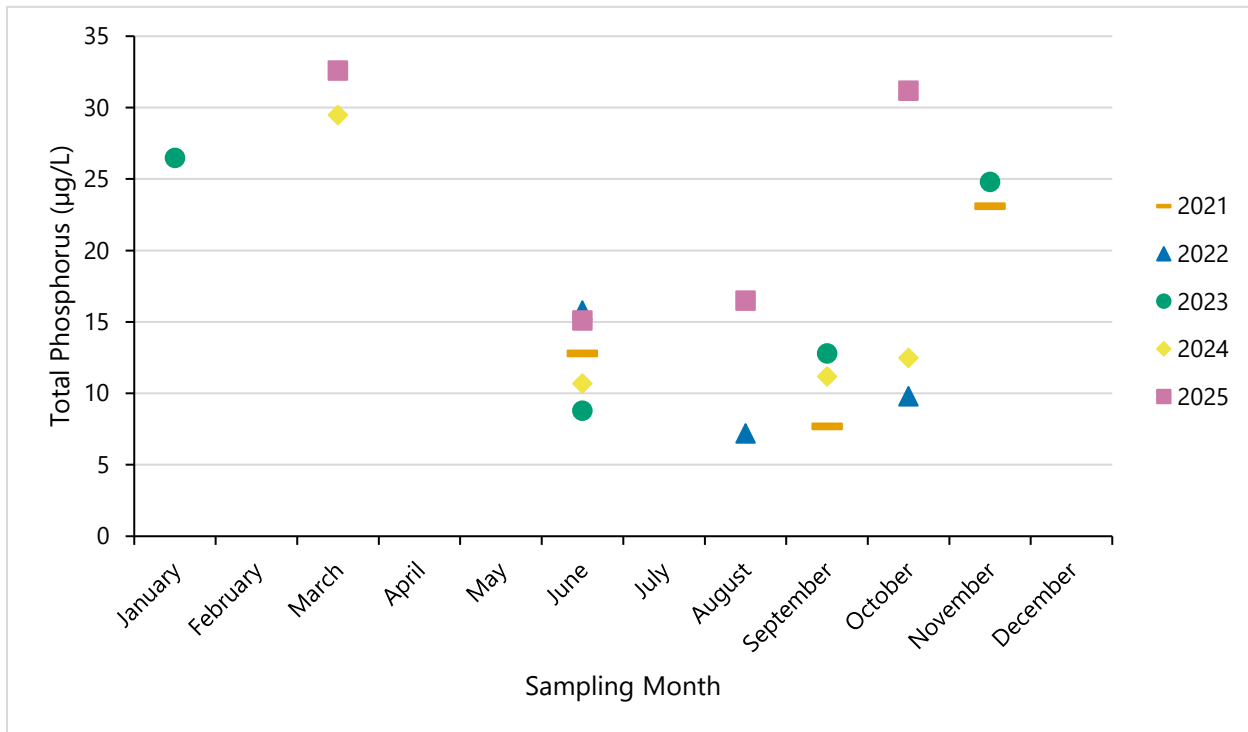
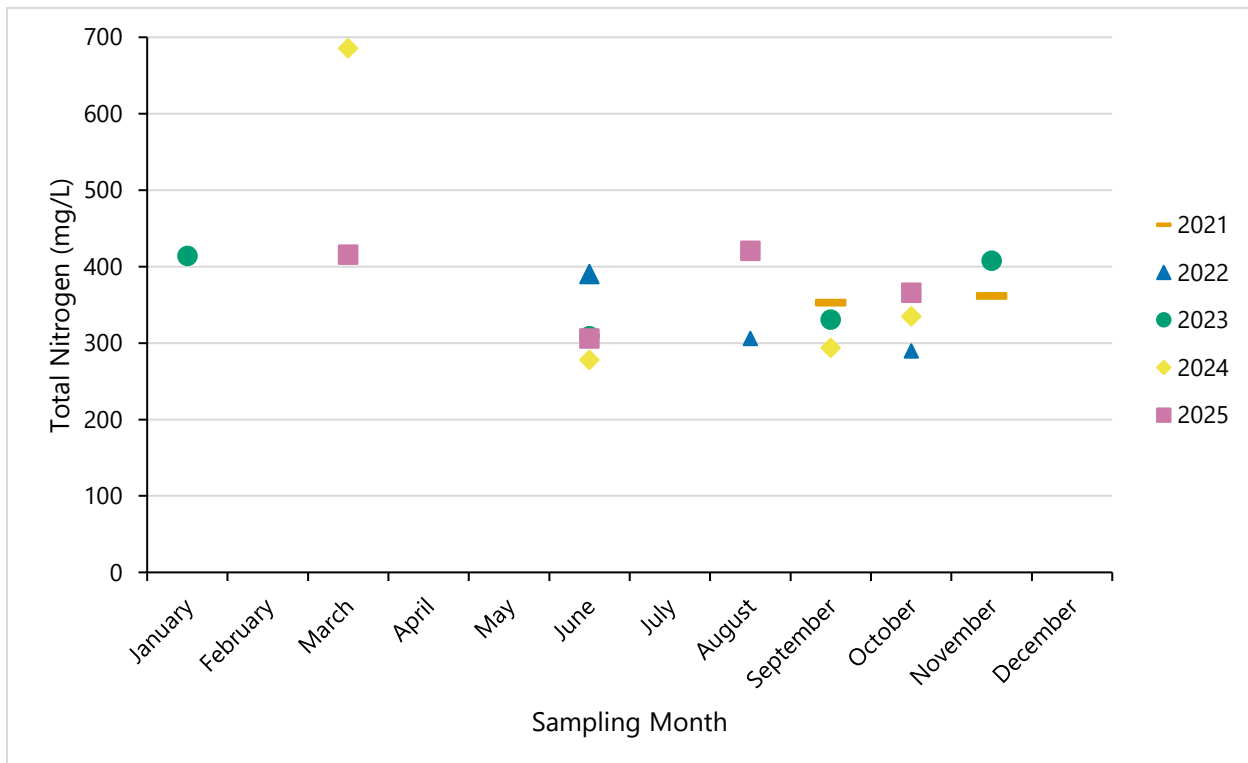
Figure 2-1. Water temperature, dissolved oxygen, and conductivity profiles and Secchi depth in Tatelkuz Lake at TL LIM3, 2025

Figure 2-2. Total phosphorus concentrations in Tatelkuz Lake at TL LIM3 from 2021 to 2025**Figure 2-3. Total nitrogen in Tatelkuz Lake at TL LIM3 from 2021 to 2025**

2.1.5 Recommendations

No additional sampling or analyses other than those described in the FUP for Condition 3.16 are recommended.

2.2 **Littoral Fish and Fish Habitat**

The objective of the Tatelkuz Lake littoral fish and fish habitat conditions surveys is to establish baseline conditions to which future monitoring efforts related to EA Condition 3.16.2 can be compared. The effects of pumping water from Tatelkuz Lake by the FWSS will be monitored by assessing changes in baseline conditions.

The Brassy Minnow is a blue-listed species in British Columbia and has been historically documented in Tatelkuz Lake. This species was selected as an indicator for littoral habitat suitability as it is sensitive to changes in water levels and habitat drying (Falke et al. 2010).

2.2.1 Measurement and Assessment Endpoints

Measurement endpoints for littoral fish and fish habitat in Tatelkuz Lake consisted of fish habitat conditions, habitat suitability, and fish abundance. These endpoints are specified in the FUP for Condition 3.16 (Palmer 2023a) and, together with their assessment endpoints, are provided in Table 2-6.

Table 2-6. Measurement and assessment endpoints for littoral fish and fish habitat assessments in Tatelkuz Lake

Measurement Endpoint	Assessment Endpoint
Habitat conditions	Water temperature (°C), pH, conductivity (µs/cm), dissolved oxygen (mg/L)
Habitat suitability	Water depth (cm), substrate type, plant community (percent emergent vegetation), habitat cover (percent cover), lake water surface elevation
Fish abundance	Catch per unit effort (CPUE) and fish density (fish/100 m ²) for each identified species

2.2.2 Sampling Sites and Timing

Sampling was conducted at eleven sites (Table 2-7) distributed around the lake, near the inlet and outlet of Chedakuz Creek, and the planned FWSS intake location. Littoral habitat surveys were conducted on August 13, 16, and 17, 2025. Fish community and abundance sampling took place on July 14 and 15, 2025, to capture larval fish, and from August 12 to 15, 2025, to capture adult fish. Habitat survey and sampling dates for each site are listed in Table 2-8.

Drone flight surveys were completed by BW Gold Survey and a Triton biologist on August 18, 2025, to collect orthoimagery of the Tatelkuz Lake shoreline. Nine sites were visited on this date, with eight sites having successful flights and resulting orthoimagery. BW Gold Survey returned to Tatelkuz Lake on October 13, 2025, to complete flight surveys at the remaining sites, accompanied by a BW Gold Environment staff member. Drone flight dates are listed in Table 2-8.

Table 2-7. Tatelkuz Lake littoral fish habitat sampling site locations

Site	Eastern Extent UTM Coordinates		Western Extent UTM Coordinates	
	Easting (m)	Northing (m)	Easting (m)	Northing (m)
TLLit1	385763	5907819	385720	5907838
TLLit2	389312	5902966	389284	5902982
TLLit3	389701	5902536	389682	5902550
TLLit4	390786	5900836	390769	5900872
TLLit5	389843	5903950	389818	5903954
TLLit6	391804	5901994	391791	5902033
TLLit7	391376	5901256	391369	5901223
TLLit8	390253	5902979	390269	5903008
TLLit9	387720	5904615	387697	5904645
TLLit10	391158	5902375	391117	5902378
TLLit11	388277	5904237	388231	5904239

Note: Coordinates are in North American Datum (NAD) 83, Universal Transverse Mercator (UTM) Zone 10

Table 2-8. Tatelkuz Lake littoral fish habitat sampling dates, 2025

Site	Larval Fish Sampling Date	Adult Fish Sampling Date	Fish Habitat Survey Date	Drone Imagery Date
TLLit1	July 14	August 12	August 17	August 18
TLLit2	July 14	August 15	August 16	August 18
TLLit3	July 14	August 15	August 16	October 13
TLLit4	July 15	August 13	August 13	August 18
TLLit5	July 15	August 14	August 17	August 18
TLLit6	July 15	August 14	August 17	August 18
TLLit7	July 15	August 15	August 16	August 18
TLLit8	July 14	August 14	August 17	August 18
TLLit9	July 14	August 12	August 16	October 13
TLLit10	July 15	August 14	August 16	August 18
TLLit11	July 14	August 12	August 13	October 13

2.2.3 Littoral Habitat Transects and UAV Mapping

2.2.3.1 Field Methods

Fish habitat surveys were conducted by qualified Triton staff. The crew used an Esilon tape and rod-level survey to determine the distance and elevation of the top of bank (high-water mark), toe of bank (toe of slope directly below high-water mark), water's edge, and distance out to 3 m of water depth relative to a benchmark pin at each site. Water quality variables were measured at each site prior to conducting habitat surveys. Water quality was measured just below the surface, at 0.5 m, and at 1.0 m. On August 12, 2025, at TLLit1, water quality measurements were not collected at the 1.0 m depth due to an inaccurate dissolved oxygen probe. The probe was changed before the next round of surveys.

BW Gold Survey confirmed lake elevation level data to determine top of bank, toe of bank, and elevation at the benchmark pin. BW Gold Survey also conducted drone flights on the same day to collect orthoimagery of the Tatelkuz Lake shoreline. Aerial imagery is presented in Appendix 4.

Survey transects were established by anchoring a floating measuring tape from shore to a location beyond 3 m deep. Habitat characteristics were evaluated from the shoreline at 1 m intervals along the transect until 3 m of water depth was reached. At each 1 m interval, water depth was measured using a fixed measuring tape attached to a 0.5 m by 0.5 m quadrat. An Insta360 underwater camera with underwater lighting was used to collect video recordings at each transect to document habitat characteristics. At each transect, the dominant and subdominant substrate types, percent cover of vegetation (emergent, submerged, floating-leaved, and free-floating macrophytes), presence of other cover features, and percent cover provided by boulders/cobbles and woody debris were recorded.

2.2.3.2 Quality Assurance/Quality Control

The videos collected using the Insta360 camera were reviewed and compared to data collected in the field. Screen captures were taken to confirm the habitat characteristics at each transect interval.

2.2.3.3 Data Analysis

The average percent cover of each habitat type was calculated for each transect, broken down into depth strata (0-0.5 m, 0.5-1 m, 1-2 m, and 2-3 m).

Habitat characteristics recorded are based on the information required to assess habitat suitability for Brassy Minnow, based on the habitat suitability index for Brassy Minnow (HSI_{BMC}). The HSI_{BMC} variables are listed in Table 2-9 (Golder 2008). The HSI_{BMC} is calculated as follows:

$$HSI_{BMC} = average(V_1 + V_2 + V_3 + V_4 + V_5 + V_6 + V_7)$$

For the purposes of this calculation, substrates that were classified as fines and organics in the data were grouped in the Excellent column for V_1 as they are similar in size to clay/silt (CS).

Spawning (V_3) required professional judgement. All areas were assumed to be quiet in a lake setting, and shallow as data were only collected to a maximum depth of 3 m. The areas were considered “well vegetated” if the area was at least 50% covered in vegetation; in this case, those areas were considered “excellent”.

Late winter dissolved oxygen (V_6) was based on limnology samples collected in March, as all sampled areas of Tatelkuz Lake were above 2 mg/L. pH (V_7) was based on water quality measurements from sampling days in August, where all pH measurements were between 6 and 9.

Table 2-9. Lacustrine habitat variables used in the suitability index for Brassy Minnow

Variable		Excellent (SI=1.0)	Above Average (SI=0.75)	Average (SI=0.5)	Below Average (SI=0.25)	None (SI=0)
V ₁	Substrate ¹	G, S and CS	-	C and R	Bd, Bo	-
V ₂	Cover	Submergent and emergent vegetation	-	Woody debris, rock (cobble/boulder)	-	-
V ₃	Spawning	Quiet, shallow, well vegetated	-	-	-	No suitable material
V ₄	Depth (m)	≤ 10	-	> 10	-	-
V ₅	% Littoral zone cover	> 50	> 30 to 50	> 20 to 30	> 0 to 20	0
V ₆	Late winter dissolved oxygen ² (mg/L)	≥ 2	-	< 2	-	-
V ₇	pH	6 to 9	-	5.5 to < 6	-	< 5.5 or > 9

Notes: ¹ Bd = bedrock, Bo = boulder (>256 mm), C = cobble (>64 to 256 mm, rounded), R = rubble (>64 to 256 mm, angular), G = gravel (>2 to 64 mm), s = sand (>0.06 to 2.0 mm), and CS = clay/silt (≤0.06 mm). For the purposes of this report, we have included fines and organics in the CS category.

² Late winter dissolved oxygen (DO) criteria are based on the assumption that if measured in late winter and DO is greater than 2 mg/L, DO is not limiting at any time of year. If DO is measured in late winter and is less than 2 mg/L, DO may be limiting in winter but not during the open-water period. In addition, since DO is not measured in all areas within a watercourse or waterbody, there may exist some local areas where late winter DO is greater than the measured concentration.

2.2.3.4 Results and Discussion

The water surface level of Tatelkuz Lake in August was 926.88 m above sea level, as determined by BW Gold Survey. Pin locations, distance to top of bank, distance to toe of bank, and distance to the water's edge are displayed in Table 2-10. The elevation of the lake water surface level is similar to elevations calculated in 2023 and 2022 (Table 2-11).

TLLit7 had the highest percent cover amongst all sample sites, and TLLit9 had the least amount of cover. Submergent vegetation was the most abundant cover type across all 11 sampling locations, followed by rock (cobbles and boulders) (Figure 2-4). Free floating vegetation was not found at any of the transects across all 11 sites. The dominant substrate type throughout all transects was fines, followed by gravels. Larger substrate types such as cobbles and boulders were more common as the dominant substrate type in the deeper portion of the transects. Littoral habitat sampling results such as percent coverage of each cover type, substrate, gradient, and habitat type can be found in Appendix 5, Table 2.

Table 2-10. Pin locations, relative distances, and elevations at sampling sites, 2025

Site	Pin Location UTM		Relative Distance to Pin (m)			Elevation (masl)			
	Easting	Northing	Top of Bank ¹	Toe of Bank ²	Wetted Edge ³	Pin	Top of Bank	Toe of Bank	Lake Water Surface
TLLit1	385727	5907845	0.5	3.8	6.0	928.02	927.48	927.20	926.88
TLLit2	389293	5902974	1.4	1.9	4.5	927.31	928.20	927.46	926.88
TLLit3	389687	5902543	1.0	1.7	4.1	928.55	928.32	927.43	926.88
TLLit4	390769	5900849	0.8	1.5	8.3	928.97	928.30	927.52	926.88
TLLit5	389831	5903963	1.9	3.4	9.2	928.85	928.22	927.89	926.88
TLLit6	391853	5902015	2.8	3.9	8.6	929.19	928.28	927.58	926.88
TLLit7	391378	5901239	1.1	3.5	5.9	927.96	927.70	927.41	926.88
TLLit8	390268	5902990	0.3	0.7	8.9	928.19	928.15	927.73	926.88
TLLit9	387702	5904633	0.5	0.8	5.1	-	928.30	927.78	926.88
TLLit10	391143	5902379	0.4	1.7	3.1	928.36	928.22	927.27	926.88
TLLit11	388256	5904232	0.7	0.8	7.1	-	928.27	927.73	926.88

Notes: Coordinates are in North American Datum (NAD) 83, Universal Transverse Mercator (UTM) Zone 10.

¹Top of Bank = highwater mark; ²Toe of bank = toe of the slope directly below the highwater mark; ³ Wetted edge = wetted edge of the lake, m=metres, masl=metres above sea level

Table 2-11. Tatelkuz Lake water surface elevation, 2022-2025

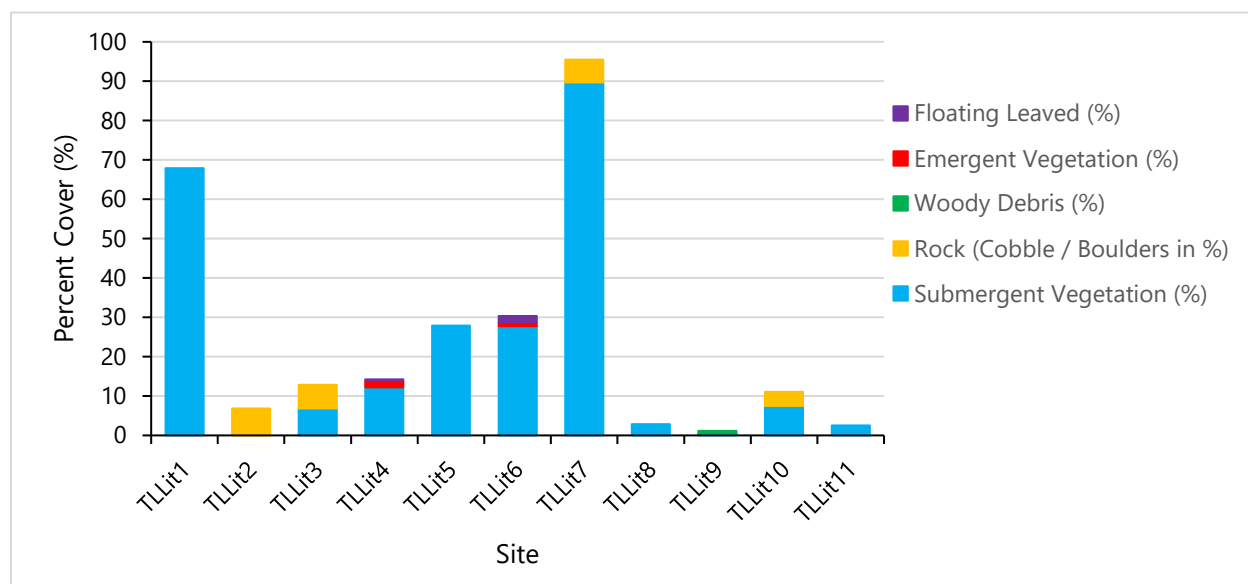
Year	Lake elevation (masl)
2025	926.88
2023	926.79
2022	927.38

Note: The 2022 lake elevation is the average elevation among the sites, excluding TLLit4, TLLit6, and TLLit11, where elevation was not calculated. Lake elevation was not measured in 2024 due to wildlife activity.

At TLLit1, the habitat was characterized by a shallow gradient with fines/gravels (0-0.5 m) and fines/organics (0.5-2 m) as the dominant substrate amongst the depth strata. Submergent vegetation was the only cover type found throughout the transect.

TLLit2 had gravel/cobble (0-0.5 m) and cobble/gravel (0.5-1 m, 2-3 m) as the dominant substrate type, with cobble/boulder substrate at 1-2 m in depth. Boulders and cobbles were the only source of cover throughout the transect, with no vegetation observed.

TLLit3 had cobble/boulder as the dominant substrate type close to shore (0-0.5 m), and cobble/gravel (0.5-2 m) and gravel/cobble (2-3 m) at deeper strata, with a shallow gradient. There was a small amount of submergent vegetation and rocks for cover; however, most of the cover was between 1-2 m in depth.

Figure 2-4. Percent cover at Tatelkuz Lake littoral habitat transects by cover type, 2025

TLLit4 had gravels/fines as the dominant substrate throughout the transect, with a very shallow gradient close to shore. The gradient did not increase until approximately 45 m from the wetted edge. Submergent vegetation was the dominant cover type that increased with depth, and some emergent vegetation provided cover close to shore.

TLLit5 had a very steep gradient with gravels/fines as the substrate (0-1 m and 2-3 m), or fines/gravels (1-2 m). Some submergent vegetation provided cover and increased with depth. No coarse substrate or woody debris was present for cover.

TLLit6 had fines/organics as the dominant substrate type, and a very shallow gradient where water depths only reached 0.5 m at 64 m from the wetted edge. The dominant cover type was submergent vegetation, with 100% coverage in deeper water (> 1 m). There was some emergent and floating leaved vegetation closer to shore for additional cover.

TLLit7 had boulder/cobble substrate close to shore (0-1 m), which turned into organics and fines on a shallow gradient as depth increased (1-3 m). Boulders and cobbles were therefore the dominant cover type near the shoreline, and there was abundant submergent vegetation once the substrate type transitioned away from the large boulders.

TLLit8 was dominated by gravels/fines (0-0.5, 1-3 m) and fines/gravels (0.5-1 m) for the substrate, with a steep gradient. There was minimal cover for fish, with a small amount of submergent vegetation at some of the transect intervals.

TLLit9 had a variety of substrates with gravel/fines (0-0.5 m), gravel/cobble (0.5-1 m), fines/cobble (1-2 m), and fines/cobble (2-3 m), and became steeper after 0.5 m in depth. There was minimal submergent vegetation for cover, and some woody debris.

TLLit10 had gravel/fines (0-0.5 m) and a shallow gradient close to shore, before being dominated by fines/gravel (0.5-3 m) and a steeper gradient as depth increased. There was a small amount of submergent vegetation throughout the transect for cover and a single boulder at 11 m deep for additional cover.

TLLit11 was dominated by gravel/fines throughout all strata (0-3 m) and had a shallow gradient close to the wetted edge that became steeper after 0.5 m in depth. There was minimal cover throughout the transect, with a small amount of submergent vegetation for cover.

Overall, the average percentage of cover was greater in the 2025 survey than in the 2023 survey at all sites except TLLit2 and TLLit9 (Figure 2-5); this could be due to different observers estimating vegetation cover in the quadrats, or changes in the exact direction of the habitat transects between years. The 2022 survey did not quantify percent cover for the surveys and, therefore, cannot be compared quantitatively.

All sampling locations provide adequate habitat for Brassy Minnow, with all sites above 0.5 on the HSI_{BMC} . TLLit1 had the highest HSI_{BMC} value at 0.95, with abundant vegetation for cover, and fines, organics and gravels as the substrate, which contribute to good spawning habitat. TLLit2 had the lowest HSI_{BMC} value at 0.60, with no vegetation for cover and coarse substrate (Figure 2-6). Values for each site and HSI_{BMC} calculations can be found in Appendix 5, Table 3.

Figure 2-5. Average percent of cover at each Tatelkuz Lake littoral fish habitat site for 2023 and 2025

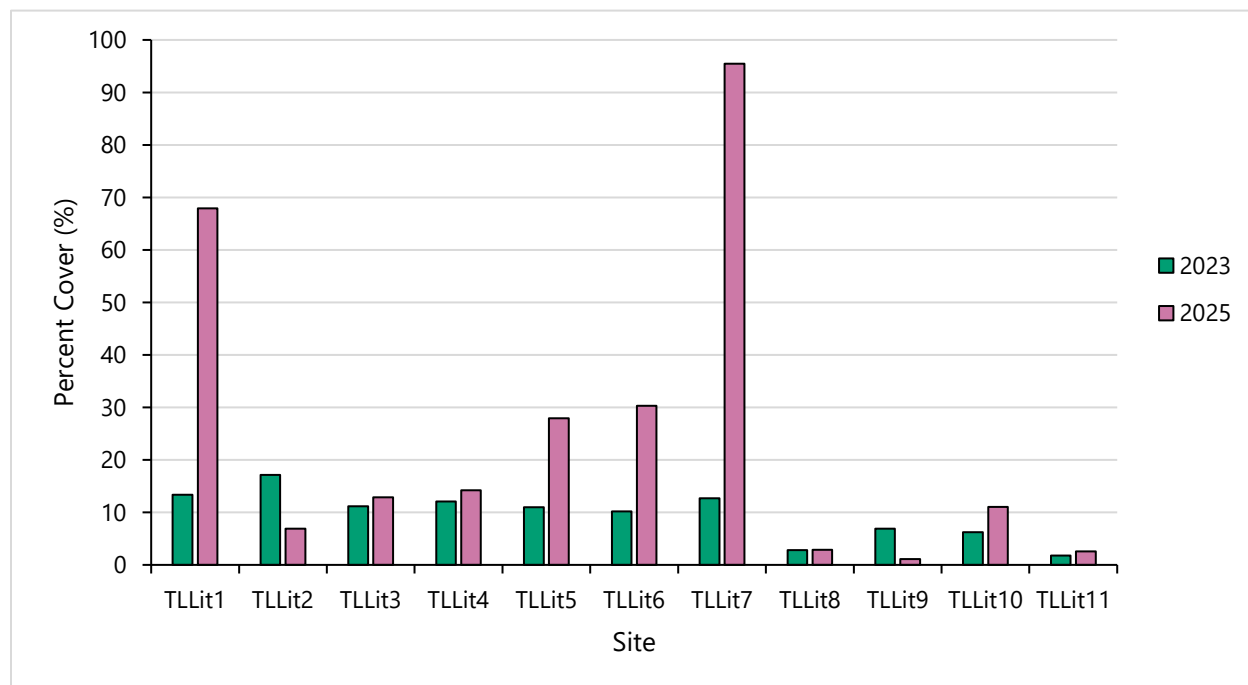
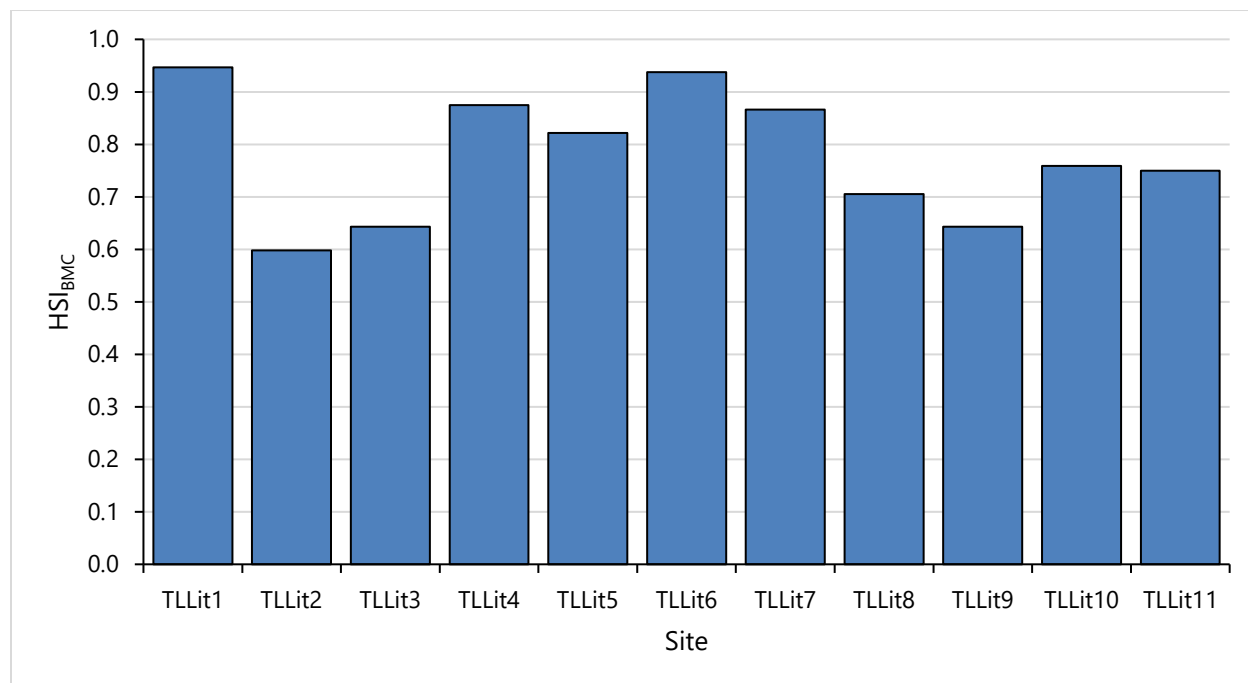


Figure 2-6. Habitat suitability index for Brassy Minnow (HSI_{BMC}) at Tatelkuz Lake littoral fish habitat sampling sites, August 2025



2.2.4 Littoral Fish Community and Abundance

2.2.4.1 Field Methods

Sampling took place at the same sites used in previous years (Figure 1-1). Sites had been marked with flagging tape, and location was confirmed with photos in the field. The field crew scouted the site location prior to sampling. Sampling took place over a 20-m section of lake shore at each site in July and a 40-m section in August. In situ water quality measurements were collected as described in Section 2.2.3.1.

For larval fish sampling in July, a single pole seine haul was conducted over the 20-m section using a 0.5 mm mosquito-mesh pole seine (2 m long and 1 m deep) to achieve a 40 m² sampling area. The FUP for Condition 3.16 indicates that seining would be conducted over a 200 m² area; however, the seine used for larval fish sampling is much smaller than a beach seine, and the area sampled in 2025 was consistent with previous years.

For adult fish sampling in August, two beach seine hauls were conducted, each over a 20 m section using a 3.2 mm mesh seine (10 m long and 1.8 m deep) to achieve a minimum sampling area of 200 m² for each haul. The FUP for Condition 3.16 indicates that a single seine haul would be conducted; however, the number of hauls was increased by Palmer in 2023. Consequently, two hauls were conducted in 2025 to maintain similar effort.

Captured fish (all larval stage for both scopes) were enumerated, and efforts were made to identify each fish to a species level. Larval fish too small to be identified to a species level were identified to a family level to avoid making assumptions resulting in misidentification. A subset of 10 fish

per species were enumerated, measured for fork length (mm) and weight (g), and examined for the presence of any parasites, deformities, erosion, lesions, and tumors (DELTs), or previous marks and tags. Mortalities (all larval stage) were preserved in formalin for species identification requiring a microscope.

2.2.4.2 Quality Assurance/Quality Control

The QA/QC for field equipment calibration, electronic field forms, and data entry were carried out as discussed in Section 2.1.2.3.

Field crews were experience and knowledgeable of fish species present in the local watersheds. A subset of captured fish was photographed for species identification verification, and a subset of preserved mortalities were identified under a microscope after field work was completed by Triton staff. Another subset of preserved mortalities was shipped to Biologica Environment Servies (Biologica) to confirm species identification in a laboratory setting.

2.2.4.3 Data Analysis

Fish capture data were used to estimate density for the total fish captured for each site.

Catch Per Unit Effort (CPUE)

Catch per unit effort (CPUE) was calculated as the number of fish captured per square metre (m²) of seined area of shoreline using the following equation:

$$CPUE = \frac{\text{number of fish caught}}{m^2 \text{ of seined area}}$$

CPUE is an index of relative abundance that can be used to compare the abundance of fish populations over time with the assumption that catch is proportional to the amount of effort.

Density

Density was calculated as the number of fish per 100 square metres (m²) of sampled area for each beach seine pass using the following equation:

$$Density = \frac{\text{number of fish caught}}{m^2 \text{ of seined area}} \times 100 m^2$$

For effects assessment, a comparison of temporal trends in density will be conducted in future reports. A minimum of five years of monitoring data will be required to conducts this analysis.

2.2.4.4 Results and Discussion

A total of 1,915 fish were captured over the course of the July and August sampling programs in Tatelkuz Lake. There were 150 mortalities, and the causes are further described in the following sections. Fish capture and water quality data can be found in Appendix 2.

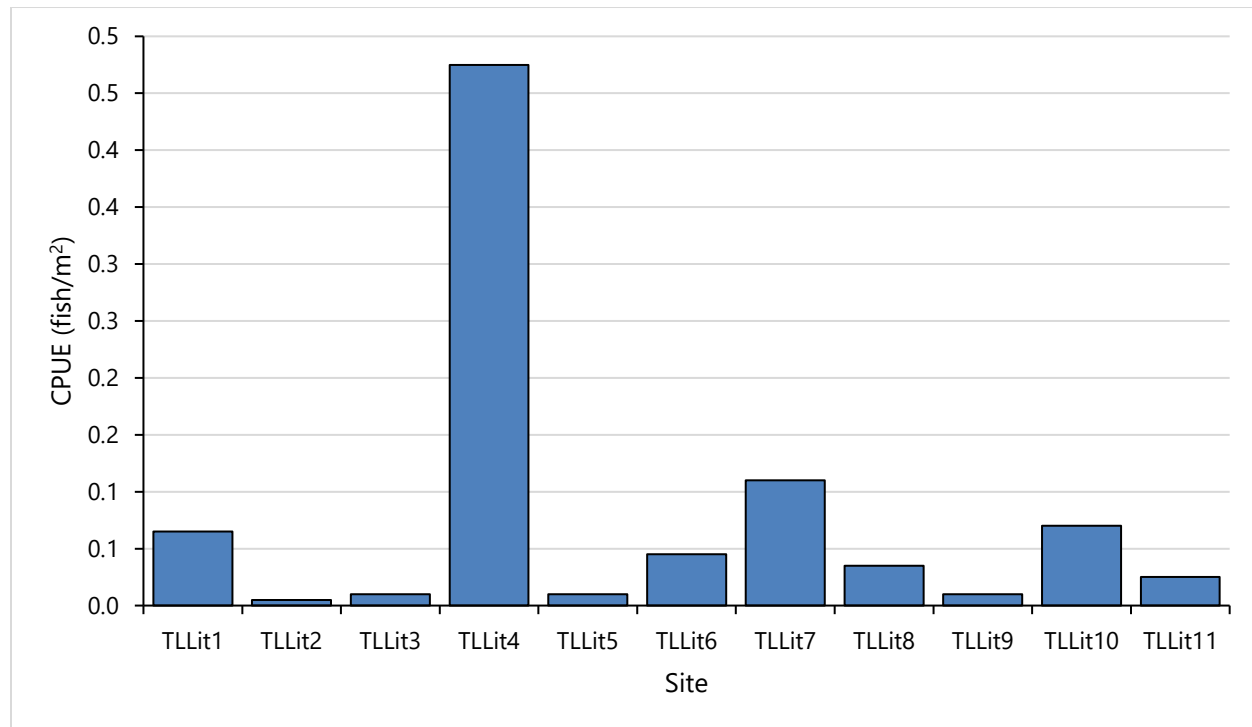
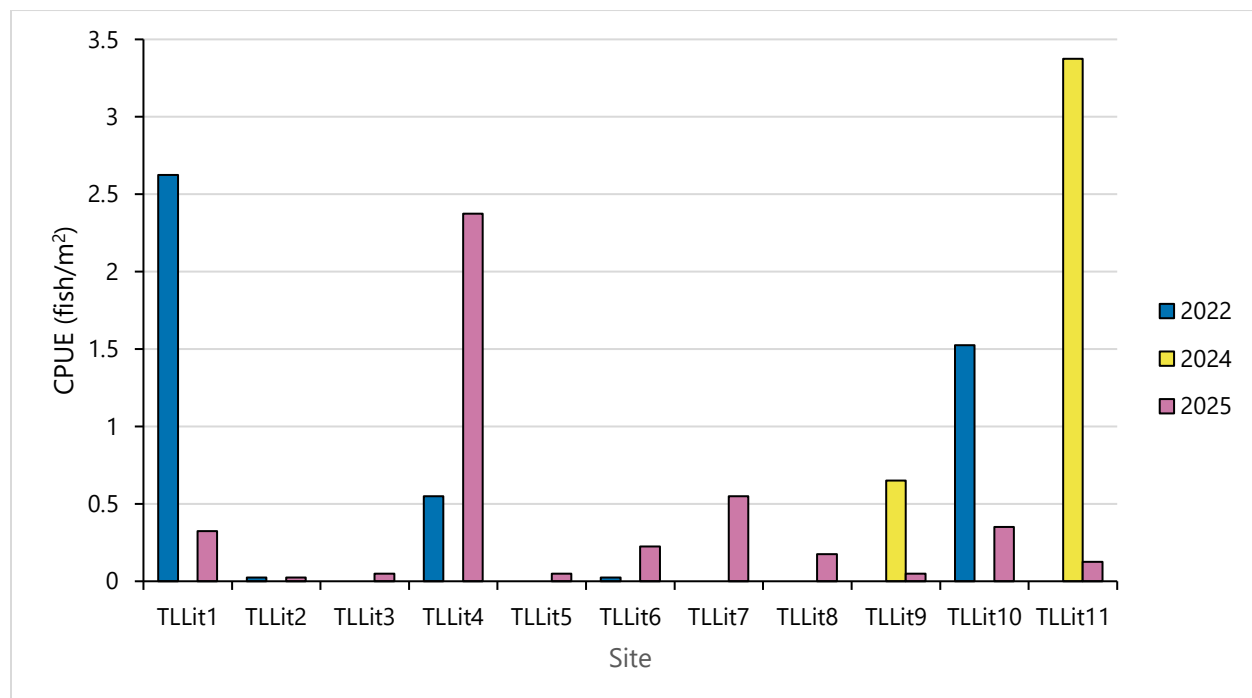
Larval Fish Sampling

During larval fish sampling in July, 172 larval-stage fish were captured. Larval minnows were too small to identify to species level in the field. A subset of mortalities was sent to Biologica to confirm species identification; however, the lab was unable to identify the larval fish to species level.

CPUE ranged from 0.03 fish/m² (TLLit2) to 2.38 fish/m² (TLLit4) (Table 2-12; Figure 2-7). Corresponding densities ranged from 2.5 fish/100 m² (TLLit2) to 237.5 fish m² (TLLit4). CPUE was greater in 2025 than in 2022 at all sites except for TLLit1 and TLLit10. CPUE was greater in 2024 than in 2025 at TLLit9 and TLLit11; however, sampling only took place at those two sites in 2024 (Figure 2-8).

Table 2-12. Total captures, catch per unit effort, and density of larval fish by site, July 2025

Site	Minnow (General)	Sucker (General)	Prickly Sculpin	Total Captures	Total CPUE (fish/m²)	Density (fish/100 m²)
TLLit1	0	0	13	13	0.33	32.5
TLLit2	0	0	1	1	0.03	2.5
TLLit3	0	0	2	2	0.05	5.0
TLLit4	91	0	4	95	2.38	237.5
TLLit5	0	0	2	2	0.05	5.0
TLLit6	4	4	1	9	0.23	22.5
TLLit7	11	0	11	22	0.55	55.0
TLLit8	0	0	7	7	0.18	17.5
TLLit9	1	0	1	2	0.05	5.0
TLLit10	0	0	14	14	0.35	35.0
TLLit11	0	0	5	5	0.13	12.5
Total	107	4	61	172	N/A	N/A

Figure 2-7. Catch per unit effort of larval fish (all species) by site in July 2025**Figure 2-8. Catch per unit effort of fish at each site during larval fish sampling at Tatelkuz Lake, July 2022, July 2024 and July 2025**

During larval fish sampling in July, there were a total of 92 mortalities due to capture trauma, all were unidentified larval cyprinids. This was a lower proportion of mortalities than in 2024; however, the mortality rate for the larval fish was still high at 53% in 2025. Most of the capture mortalities were from TLLit4 (87 mortalities), which had the most total captures of all sites (95 fish). Four mortalities were from TLLit6, and one mortality was from TLLit9 (Table 2-13).

Although the exact cause of the mortalities is unknown, fish mortalities could be due to compounding factors such as handling stress, pressure exerted on the fish from the seine net, or temperature. TLLit4 has fines and organics as the dominant and subdominant substrate in the shallows where the seining took place, and foot traffic could stir up the substrate and cause turbidity, which may stress fish further. TLLit4 also had the most mortalities of all the sites for the adult fish sampling in August 2025 (36 mortalities out of 312 captures [11% mortality]) and September 2023 (80 mortalities out of 341 captures [23% mortality]).

Table 2-13. Tatelkuz Lake larval fish sampling mortalities, 2025

Site	Mortality Cause	Minnow (General) mortalities
TLLit1	-	0
TLLit2	-	0
TLLit3	-	0
TLLit4	Capture trauma	87
TLLit5	-	0
TLLit6	Capture trauma	4
TLLit7	-	0
TLLit8	-	0
TLLit9	Capture trauma	1
TLLit10	-	0
TLLit11	-	0
Total		92

Adult Fish Sampling

During fish sampling in August, 1,743 fish were captured (Table 2-14). All fish captured were juveniles, with the exception of a single adult Prickly Sculpin (*Cottus asper*). Of the captured fish, 277 were juvenile Brassy Minnows. Some minnows, sculpins, and suckers were too small to identify to species level. There were 58 juvenile fish mortalities during the August sampling. Most mortalities were due to capture trauma, except for a single fish that died due to handling trauma (Table 2-15).

Table 2-14. Fish captured by site during fish sampling in Tatelkuz Lake, August 2025

Site	BMC	LKC	NSC	Minnow (General)	RB	KO	MW	CAS	Sculpin (General)	CSU	WSU	Sucker (General)	Total	CPUE (fish/m ²)	Density (fish/100 m ²)
TLLit1	0	0	0	0	0	0	0	50	31	0	0	0	81	0.41	40.5
TLLit2	1	2	0	1	0	0	0	22	8	0	0	6	40	0.2	20.0
TLLit3	0	1	0	0	0	0	0	5	0	0	0	1	7	0.04	3.5
TLLit4	171	1	2	0	0	0	0	52	2	17	7	60	312	1.56	156.0
TLLit5	15	16	0	3	1	0	1	38	66	25	0	63	228	1.14	114.0
TLLit6	0	105	0	3	0	0	0	49	2	304	0	283	746	3.73	373.0
TLLit7	0	5	0	3	0	0	0	21	1	0	0	44	74	0.37	37.0
TLLit8	0	1	0	1	9	0	8	14	3	5	0	7	48	0.24	24.0
TLLit9	1	6	0	0	0	0	0	9	1	0	0	0	17	0.09	8.5
TLLit10	0	0	0	0	0	0	1	41	20	5	0	18	85	0.43	42.5
TLLit11	89	1	0	0	0	2	0	5	8	0	0	0	105	0.53	52.5
Total	277	138	2	11	10	2	10	306	142	356	7	482	1743		

Notes: BMC=Brassy Minnow, LKC=Lake Chub, NSC=Northern Pikeminnow, RB=Rainbow Trout, KO=Kokanee, MW=Mountain Whitefish, CAS=Prickly Sculpin, CSU=Largescale Sucker, WSU=White Sucker.
All mortalities are included in this table.

Table 2-15. Tatelkuz Lake fish sampling mortalities, August 2025

Site	Mortality Cause	Brassy Minnow	Largescale Sucker	Minnow (General)	Sculpin (General)	Sucker (General)	Total
TLLit1	-	0	0	0	0	0	0
TLLit2	Capture trauma	0	0	0	1	0	1
TLLit3	-	0	0	0	0	0	0
TLLit4	Capture trauma	27	2	0	0	7	36
TLLit5	Capture trauma	1	0	1	0	0	2
TLLit6	Capture trauma	0	0	0	0	1	1
	Handling trauma	0	0	1	0	0	1
TLLit7	Capture trauma	0	0	0	0	1	1
TLLit8	Capture trauma	0	0	1	1	0	2
TLLit9	-	0	0	0	0	0	0
TLLit10	-	0	0	0	0	0	0
TLLit11	Capture trauma	11	0	0	3	0	14
Total		39	2	3	5	9	58

CPUE for the August program ranged from 0.04 fish/m² (TLLit3) to 3.73 fish/m² (TLLit6) (Figure 2-9). Corresponding densities ranged from 3.5 fish/100 m² (TLLit3) to 373 fish/100 m² (TLLit6). CPUE was greater in 2025 than in 2022 and 2023 at all sites except for TLLit1 and TLLit4 (Figure 2-10). At both TLLit1 and TLLit4, CPUE was greater in 2022 than in 2024 and 2025. CPUE at TLLit6 was much higher in 2025 than in previous years.

Figure 2-9. Catch per unit effort by site for adult fish sampling in Tatelkuz Lake, August 2025

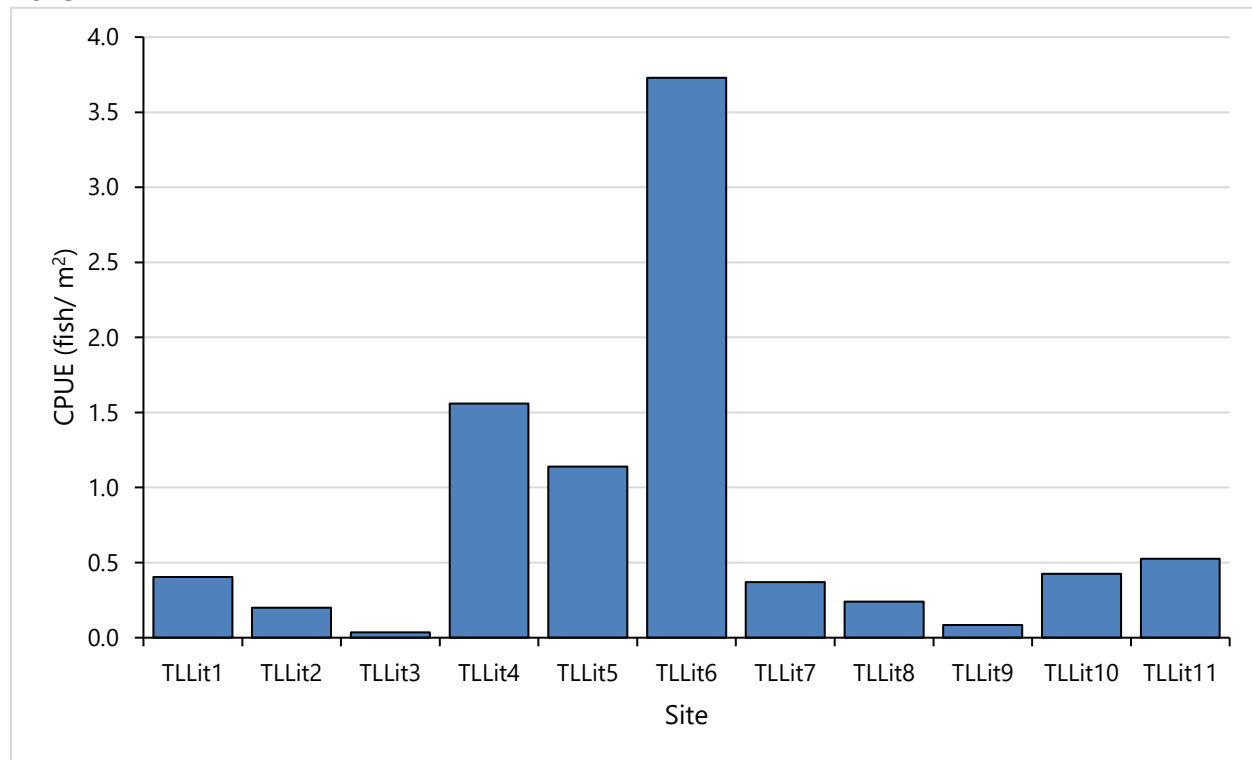
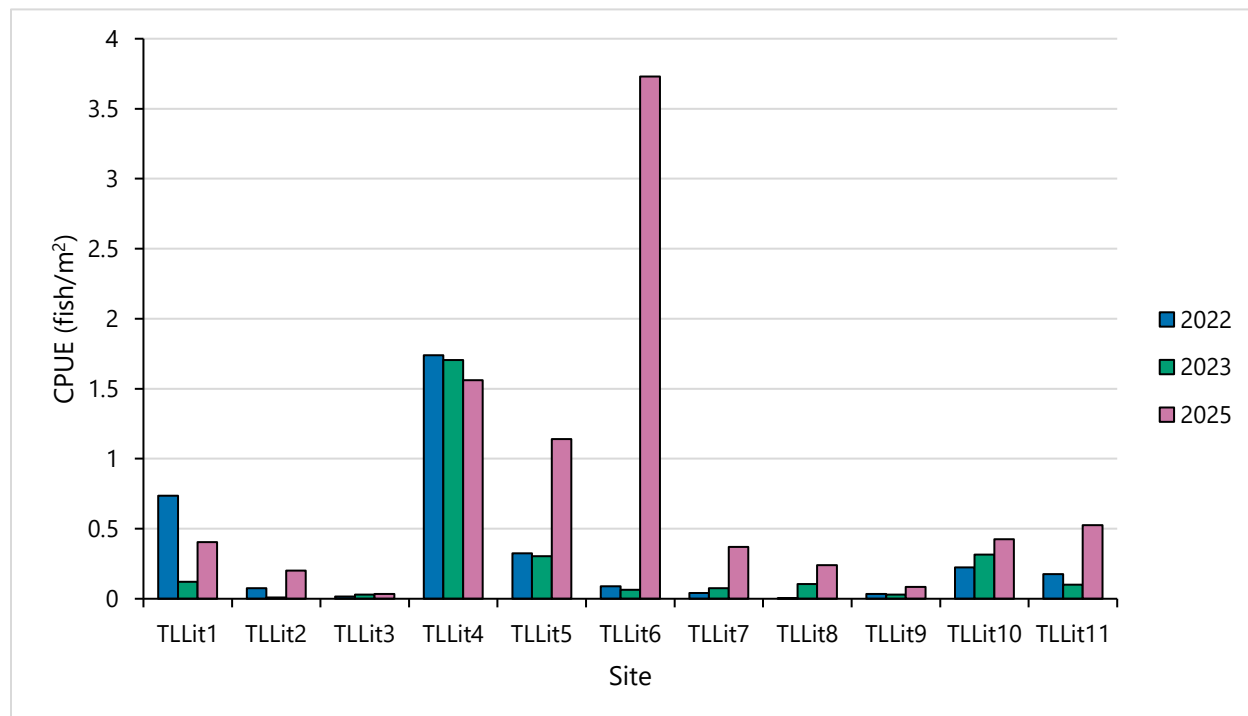


Figure 2-10. Catch per unit effort of fish at each site during adult fish sampling at Tatelkuz Lake, August 2025



2.2.5 Recommendations

Due to continued high mortality rates and limited identifiable features on small larval fish, it is recommended that the larval fish sampling program be removed from the littoral fish community and abundance program. The cause for mortality could be due to several factors as outlined in Section 2.2.4.4. High mortality rates of larval fish were also encountered in 2024, when the program was halted after sampling just two sites due to the high mortalities. Many of the fish collected in July are too small to identify to species level in the field or under a microscope in a lab setting.

Given that larval fish are extremely sensitive to stress, focusing on juvenile abundance in August or September is recommended as a useful endpoint to monitor the effects of water level changes. While there were still some larval fish captured during August sampling, most of the fish were fry or juveniles, and the mortality rate was much lower. The September 2023 fish sampling also had a much lower mortality rate. It is recommended that the adult fish sampling be conducted in early September to allow fish more time to grow and become more robust.

3.0 Lower Chedakuz Creek

3.1 Overwintering Fish Habitat

The objective of the overwintering fish habitat surveys is to assess winter habitat availability in Lower Chedakuz Creek. A requirement of Condition 3.16 of the DS (Sub-condition 3.16.3) is to monitor Lower Chedakuz Creek during all project phases to determine whether the transfer of water from the lake to the FWSS will have any measurable effects on water levels and fish habitat availability downstream of the lake.

3.1.1 Measurement and Assessment Endpoints

The FUP for Condition 3.16 does not specify endpoints for overwintering fish habitat. The data concerning overwintering fish habitat were examined in the same manner as in previous annual reports (Palmer 2024), which included summarizing measured water quality variables and comparing those to the BC Approved Water Quality Guidelines for Freshwater Aquatic Life (MWRLS 2025).

3.1.2 Sampling Sites, Timing, and Methods

Winter habitat assessment surveys were conducted at three sites in Lower Chedakuz Creek (CC_MT2, CC_MT3 and CC_MT6). Site coordinates are provided in Table 3-1, and site locations are shown in Figure 1-2. At each site, an overwintering habitat assessment was completed where snowpack depth (m), ice thickness (m), and water column depth (m) were measured. In situ water quality measurements (temperature [°C], DO [mg/L and %], pH, and specific conductivity [µS/cm]) were collected using a YSI ProQuatro multiparameter meter at the upstream and downstream boundaries, as well as in the middle, of the site. Site photographs were taken and are provided in Appendix 1.

Table 3-1. Lower Chedakuz Creek winter assessment sampling sites and dates, 2025

Site	UTM Coordinates			Date of Assessment
	Zone	Easting	Northing	
CC_MT2	10	385018	5908220	March 9
CC_MT3	10	385048	5907951	March 9
CC_MT6	10	385363	5907798	March 9

3.1.3 Quality Assurance/Quality Control

The QA/QC for field equipment calibration, electronic field forms, and data entry were carried out as discussed in Section 2.1.2.3.

3.1.4 Data Analysis

Water quality values were compared to the BC Approved WQG for FAL (MWRLS 2025).

3.1.5 Results and Discussion

Lower Chedakuz Creek was ice free at the time of assessment on March 9, 2025; consequently, measurements of snowpack and ice thickness depths could not be collected. Maximum water

depth (m) and average in situ water quality measurements are shown in Table 3-2. Average water temperatures ranged from 1.6°C to 2.0°C, pH from 7.73 to 7.91, and conductivity from 139.20 µS/cm to 139.90 µS/cm. Mean dissolved oxygen levels were generally high, ranging from 11.05 mg/L to 11.85 mg/L, and above the minimum BC WQG for FAL of 5 mg/L (MWLRS 2025).

Table 3-2. Habitat and mean in situ water quality data for Lower Chedakuz Creek sites, March 2025

Site	Maximum Water Depth (m)	Temperature (°C)	pH	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)
CC_MT2	0.7	1.6	7.73	139.90	11.05	78.93
CC_MT3	0.43	1.9	7.91	139.20	11.85	85.40
CC_MT6	0.59	2.0	7.87	139.77	11.44	82.70

Lower Chedakuz Creek is likely snow and ice free all year near the confluence with Tatelkuz Lake; hence, measurement of snow and ice conditions cannot be used in evaluating the quality of overwintering fish habitat.

3.1.6 Recommendations

No additional sampling or analyses beyond those described in the FUP for Condition 3.16 are recommended.

3.2 **Summer Fish Habitat**

3.2.1 Measurement and Assessment Endpoints

Measurement endpoints for the summer fish habitat surveys are specified in the FUP for Condition 3.16 and are provided in Table 3-3.

Table 3-3. Measurement and assessment endpoints for Lower Chedakuz Creek summer fish assessment

Measurement Endpoint	Assessment Endpoint
Fish habitat	Mesohabitat unit boundaries, channel dimensions, stream morphology, cover, vegetation, substrate composition, riparian habitat

3.2.2 Sampling Sites, Timing, and Methods

A Level 1 FHAP survey was completed on July 18, 2025, over the length of Lower Chedakuz Creek from the outlet of Tatelkuz Lake to the confluence of Davidson Creek (downstream UTM coordinate: 10U 385025E 5908259N, upstream UTM coordinate: 10U 385392E 5907813N), following standard FHAP methodologies found in Johnston and Slaney (1996). This involved categorizing the stream into five distinct naturally occurring habitat units (cascades, glides, pools, riffles, and others). Several measurements were recording for each habitat unit encountered: length, bankfull and wetted widths and depths, residual pool depths, riffle crest depths, bed material, and cover types and percentages. Surveys were conducted in an upstream direction with GPS extents of each habitat unit recorded using an EOS Arrow 100 to improve location accuracy.

In situ water quality measurements were collected at three sites (CC_EF1 to CC_EF3) on July 9 and 10, 2025 (see Section 3.3.5).

3.2.3 Quality Assurance/Quality Control

The QA/QC for field equipment calibration, electronic field forms, and data entry were carried out as discussed in Section 2.1.2.3.

3.2.4 Data Analysis

The relative abundance of each habitat unit (riffle, run, pool, cascade) was calculated by dividing the total number of each habitat unit by the total number of all habitat units and multiplying by 100%.

3.2.5 Results and Discussion

Seven distinct habitat units, consisting of four glides and three pools, were identified. Riffle habitat was not observed. The dominant cover type was instream vegetation, and the subdominant cover type varied between large woody debris, small woody debris, overhanging vegetation, and instream vegetation. The dominant riparian vegetation was shrubs and herbs. The dominant bed material was fines, and the sub-dominant bed material was gravels. A summary of mesohabitat data collected during the 2025 FHAP survey is provided in Table 3-4.

Several factors limit the reliability of comparing results among years. Observer bias may explain some of the observed differences, particularly between 2023 and the subsequent two years, when a different consulting company took over the assessments. Although efforts were made in 2024 and 2025 to maintain consistency in field personnel, variation in how crews interpret and classify habitat types can still influence outcomes. Environmental conditions, including turbidity, sun glare, weather, and flow, can also affect how habitat boundaries are perceived by altering visibility, obscuring substrate or depth transitions, and changing the apparent shape or extent of habitat units. High or low flows, in particular, can temporarily expand, compress, or mask certain habitat types, leading to differences in classification that reflect survey conditions rather than true habitat change. Survey timing further complicates comparisons: assessments in 2023 were conducted in late August and late September, whereas the 2024 and 2025 surveys occurred in mid-July. Although discharge was measured in 2024 and 2025, it was not collected in 2023, preventing consistent use of flow data to help contextualize results across all three years. Together, these methodological and environmental inconsistencies reduce confidence in direct year-to-year comparison.

Table 3-4. Summary of mesohabitat occurrence in Chedakuz Creek¹

Year	Number of Habitat Units	Average Wetted Width (m)	Average Bankfull Width (m)	Average Water Depth (m)	Average Gradient	Dom. (Sub- dom.) Bed Material	Relative Percent Riffle (%)	Relative Percent Glide (%)	Relative Percent Pool (%)
2025	7	18.36	20.93	0.62	1.00	Fines (Gravels)	0	88	12
2024	9	18.00	18.76	0.43	0.89	Fines (Gravels)	16	84	0
2023 ²	7	16.87	18.65	0.59	1.17	Fines (Gravels)	8	87	5

Notes: ¹Survey locations shown in Figure 1-2.

² 2023 data from Table 3-8 and Appendix B-9 in Palmer 2024.

3.2.6 Recommendations

It is recommended that the FHAP surveys be discontinued and alternative approaches to habitat monitoring be considered. The current FHAP methodology is strongly influenced by observer interpretation and short-term environmental variability (e.g., flow, turbidity) resulting in low repeatability and inconsistent data across years. These limitations reduce the method's ability to detect subtle or cumulative habitat changes associated with Mine effects, making it poorly suited for robust effects assessments. Habitat changes may be observed earlier by monitoring flow levels in Lower Chedakuz Creek.

3.3 Summer Fish Community and Abundance

The objective of the Lower Chedakuz Creek fish community and abundance surveys was to assess fish community and distribution throughout the portion of Lower Chedakuz Creek between Tatelkuz Lake and Davidson Creek.

3.3.1 Measurement and Assessment Endpoints

Measurement endpoints for the summer fish community and abundance surveys were fish inventory and fish health. These endpoints are specified in the FUP for Condition 3.16 (Palmer 2023a) and are provided in Table 3-5.

Table 3-5. Measurement and assessment endpoints for Lower Chedakuz Creek summer fish assessment

Measurement Endpoint	Assessment Endpoint
Fish inventory	Catch-per-unit-effort, fish density (fish/ 100 m ²) and biomass (total kg) for each identified species Population structure
Fish health	Length, weight, condition

3.3.2 Sampling Sites, Timing, and Methods

The summer fish community and abundance program was conducted in Lower Chedakuz Creek from the outlet of Tatelkuz Lake to the confluence of Davidson Creek (Figure 1-2). To estimate abundance of fish, three-pass depletion electrofishing was conducted at three sites (CC_EF1 through CC_EF3) in July 2025. Immature and small-bodied fish were captured with minnow traps installed at ten sites (CC_MT1 through CC_MT10). Minnow trapping was conducted in September to repeat sampling timing of 2023 and 2024. Site coordinates and sampling dates are provided in Table 3-6.

Table 3-6. 2024 Lower Chedakuz Creek summer sampling locations and dates, 2025

Site	Zone	Easting	Northing	Sampling Date	Capture Method
CC_EF1	10	385366	5907808	2025-07-09	Electrofishing
CC_EF2	10	385109	5907919	2025-07-10	Electrofishing
CC_EF3	10	385059	5908205	2025-07-10	Electrofishing
CC_MT1	10	385023	5908266	2025-09-17	Minnow trapping
CC_MT2	10	385031	5908234	2025-09-17	Minnow trapping

Site	Zone	Easting	Northing	Sampling Date	Capture Method
CC_MT3	10	385046	5907962	2025-09-17	Minnow trapping
CC_MT4	10	385109	5907913	2025-09-17	Minnow trapping
CC_MT5	10	385191	5907836	2025-09-17	Minnow trapping
CC_MT6	10	385348	5907796	2025-09-17	Minnow trapping
CC_MT7	10	385376	5907809	2025-09-17	Minnow trapping
CC_MT8	10	385395	5907755	2025-09-17	Minnow trapping
CC_MT9	10	385089	5908154	2025-09-17	Minnow trapping
CC_MT10	10	385062	5908049	2025-09-17	Minnow trapping

3.3.2.1 Field Methods

Electrofishing

At each electrofishing site, sampling consisted of three-pass depletion electrofishing of approximately 100-m² segments of channel, which required consistent sampling approach and effort. Sites were isolated using block nets with the downstream block net installed first, followed by the upstream net. T-posts were used to adequately support the net for the duration of the sampling, and block nets were secured to t-posts with zip-ties. Block nets were sealed to the channel bottom and against each bank, using sandbags to ensure a 'closed' sampling site. The integrity of block nets was inspected after installation and between each pass. Necessary modifications or repairs were completed prior to each subsequent pass. To minimize instream disturbance, crews did not wade through the electrofishing site prior to sampling and between subsequent passes.

In situ water quality measurements (as described in Section 3.1.2) were collected prior to electrofishing. Suitable electrofisher settings were selected based on water temperature and conductivity.

Sampling sites were electrofished using a Smith-Root Model LR-24 backpack electrofishing unit, from downstream to upstream, in a repeatable zig-zag pattern targeting habitat features such as large woody debris and undercut banks. Similar sampling effort (electrofishing seconds), electrofisher settings, and wading pace were maintained for each pass. Three passes of each sampling site were conducted. Additional passes were completed, when required, to achieve depletion. Electrofisher settings (voltage, frequency, pulse width) and sampling effort (electrofishing seconds) were recorded following each electrofishing pass. Fish were processed following each pass and subsequently released outside (i.e., upstream or downstream) of the enclosed sample site.

Following completion of the electrofishing passes, channel measurements (channel width [m], and wetted width [m]) were recorded at multiple locations throughout the sampling site and site photographs were taken. Upon completion of sampling, isolation block nets and t-posts were removed from the watercourse.

Minnow trapping

At each site, two baited, gee-style minnow traps were set for approximately 24 hours. Minnow traps were set near the bank, in areas where instream woody debris and/or overhanging vegetation provided cover. Traps were not set in areas of fast flow or turbulent waters. Set location and general habitat characteristics were recorded. In situ water quality measurements, consisting of all variables described in Section 3.1.2, were collected at each fish sampling site using a YSI ProQuatro multiparameter meter and a LaMotte turbidity meter prior to setting traps.

Fish Processing

All fish captured via electrofishing and minnow trapping were identified to species level, enumerated, and measured for fork length (to the nearest millimetre [mm]), and weight (to the nearest 0.1 gram [g]). Each fish was visually examined for the presence of DELTs and visually examined for the presence of previous marks such as adipose or fin clips. Representative photos of each species captured were taken; a selection of photographs is provided in Appendix 1.

3.3.2.2 Deviations from FUP for Condition 3.16

The size of the electrofishing sites deviated from the methodology in the FUP for Condition 3.16. Instead of delineating electrofishing sites by 100 linear metres, surveys were conducted over 100 m² to replicate the methods used by Palmer in previous years. Electrofishing efficiency and effectiveness proved difficult to achieve due to the large size of channel (e.g., greater than 15 m wide) in Lower Chedakuz Creek. Crews were unable to achieve depletion due to the size of the electrofishing site, which allowed fish to escape the reach of the electrofisher and resulted in low catch rates. Following electrofishing sampling, beach seining was attempted outside of isolated CC_EF1 and CC_EF2 sites to examine another potential sampling methodology for future field programs. The seining was moderately successful in capturing Kokanee fry in Lower Chedakuz Creek; however, further planning is required before determining whether beach seining could be a replacement for electrofisher sampling in Lower Chedakuz Creek.

Minnow trapping efforts were not conducted in July, as indicated in the FUP for Condition 3.16, due to low catch rates in 2024 compared to surveys conducted in previous years. To promote consistency and data comparability, minnow trap sampling was undertaken in September 2025.

3.3.3 Quality Assurance/Quality Control

The QA/QC for field equipment calibration, electronic field forms, and data entry were carried out as discussed in Section 2.1.2.3.

3.3.4 Data Analysis

3.3.4.1 Catch Per Unit Effort (CPUE)

The CPUE is an index of relative abundance that can be used to compare abundances over time with the assumption that CPUE is proportional to population abundance.

Electrofishing CPUE was calculated as the number of fish per 100 seconds (s) of electrofishing effort for each electrofishing pass using the following equation:

$$CPUE = \frac{\text{number of fish caught}}{\text{seconds of electrofishing effort}} \times 100 \text{ seconds}$$

To calculate site CPUE, the sum of all fish captured from each pass was divided by the total amount of electrofishing effort per 100 s.

Minnow trapping CPUE was calculated as the number of fish per hour of trap effort using the following equation:

$$CPUE = \frac{\text{number of fish caught}}{\text{hours of minnow trap effort}}$$

For effects assessment, a Mann-Kendall temporal trends test was conducted on the minnow trapping CPUE data and on the Fulton's condition data of the fish captured during minnow trap from sampling programs conducted between 2021 and 2025.

3.3.4.2 Abundance and Density

When capture numbers allowed, abundance estimates were calculated using the Carle-Strub maximum likelihood estimation (MLE) method from removal data (Carle and Strub 1978). This method estimates the true fish abundance (N) in a closed site using sequential removal data (e.g., three-pass depletion electrofishing), while avoiding bias and unreliable estimates common with earlier methods. The Carle-Strub likelihood estimate was calculated using the Fisheries Stock Assessment (FSA) R Package (Ogle et al. 2025; R Core Team 2025).

Two assumptions must be met to use the Carle-Strub model to estimate abundance from removal data: the population size changes only from capture during sampling (i.e., sampling is from a closed population); and capture probabilities are equal between passes. The assumption of closed population was achieved through isolation via block nets of survey sites. The assumption of equal probability of capture among passes was tested using a Likelihood Ratio Test comparing abundance estimates derived from the Moran method (Moran 1951) and Schnute estimation method (Schnute 1983).

The Likelihood Ratio Test is the most direct formal test for assessing probability of capture assumption violations using the R FSA package with three-pass electrofishing depletion data. The Moran method assumes a constant probability of capture across all electrofishing passes, while the Schnute method assumes a different probability of capture for the first pass and a constant probability of capture for all subsequent passes. A significant difference between the estimates derived from the two methods provides evidence against the assumption of constant catchability. Fish density was calculated as the number of fish per square metre (fish/100 m²) based on the abundance estimate and the area sampled at each site. The Carle-Strub MLE provides likelihood-based confidence limits. Standard error (SE) and 95% confidence intervals (CI) were calculated for both abundance and density estimates.

3.3.4.3 Fish Health – Condition

Prior to conducting analyses with weight and length data, these data were screened for errors and outliers. Rainbow Trout length and weight data were plotted to allow for visual identification of outliers. Outliers were either removed from the data set if they were obvious errors, they were repaired if the error could be identified, or they were included in the analyses if the outlier value was possibly a true value.

Condition indices provide a comparative measure of the plumpness of fish. Two condition indices were used for this program: Relative condition (K_n) and Fulton's condition factor (K). Both indices make use of the weight (g) and length (mm) of individual fish.

Relative condition (K_n) was calculated by comparing the measured fish weight (W) to the expected fish weight (W_E) as follows:

$$K_n = \frac{W}{W_E}$$

The expected fish weight (W_E) was calculated from the length/weight data from reference sites and from historical data, as described in the FUP for Condition 3.16 (Palmer 2023a).

Fulton's condition factor (K) is widely used in fisheries and general fish biology studies (Nash et al. 2006, Ricker 1975, Fulton 1902, 1904). Fulton's condition factor (K) was calculated according to the following equation:

$$K = 100,000 \times \frac{W}{L^3}$$

Where W = weight (g) of the fish and L = fork length (mm)

Both relative and Fulton's conditions were compared among years. First, the distributions were tested for normality using an Anderson-Darling test. If the data were normally distributed, a single factor ANOVA followed by a Tukey's multiple comparison test was computed to compare the respective condition among years. If the data were not normally distributed, a Kruskal-Wallis test by ranks was conducted with a Steel-Dwass test for multiple comparisons. When there were only two groups being compared, and the data were normally distributed, a student's t-test or Welch's t-test was used. A student's t-test was used when population variance was equal between groups and a Welch's t-test was used when population variance was not equal between groups. Significance was assumed when $p < 0.05$.

3.3.4.4 Biomass

Site biomass (total weight) (g) and individual fish species biomass (g) were calculated and separated by capture methodology. The biomass was calculated by totaling the individual weights of all fish captured by electrofishing or minnow trapping per site and for each species.

Bootstrapping was conducted using the R library 'boot' with 1,000 resamples to generate estimates of standard deviation, standard error, and 95% confidence intervals. Biomass totals per site, separated by capture method, were plotted to visualize the differences among sampling years.

3.3.4.5 Population Structure – Length and Weight

Population structures of all species captured were assessed by comparing length frequency distributions, weight frequency distributions, and length-weight regressions. Frequency distributions were developed based on the fork length (mm) and weight (g) measurements collected from all captured fish. A log-log linear regression was generated to display the relationship between fish length and weight.

The length frequency distributions of fish species caught across sampling years were compared using a two-sample Kolmogorov-Smirnov test. Based on the initial analysis performed in 2023, (Palmer 2023b), five individual length measurements were considered the minimum sample size for the Kolmogorov-Smirnov test.

3.3.5 Results and Discussion

A total of 92 individual fish, representing six fish species, were captured (Table 3-7). In situ water quality, fish sampling effort, and individual fish capture data are provided in Appendix 2. There were three fish mortalities observed during sampling in 2025. One Prickly Sculpin mortality at CC_EF1, one Kokanee mortality at CC_EF3 and one Longnose Sucker (*Catostomus catostomus*) mortality at CC_EF3. Mortalities were caused by electrofishing injuries sustained during sampling.

Table 3-7. Fish species captured in Lower Chedakuz Creek in 2025

Common Name	Scientific Name	Fish Species Code
Longnose Sucker	<i>Catostomus catostomus</i>	LSU
Largescale Sucker	<i>Catostomus macrocheilus</i>	CSU
Northern Pikeminnow	<i>Ptychocheilus oregonensis</i>	NSC
Prickly Sculpin	<i>Cottus asper</i>	CAS
Kokanee	<i>Oncorhynchus nerka</i>	KO
Rainbow Trout	<i>Oncorhynchus mykiss</i>	RB

During fish sampling in July, water temperatures ranged from 13.4°C to 17.6°C. Dissolved oxygen levels ranged from 8.51 mg/L to 9.40 mg/L, which is greater than the instantaneous minimum BC WQG for FAL (9 mg/L for buried embryos/alevin, 5 mg/L for all other life stages). Conductivity ranged from 153.0 µS/cm to 157.6 µS/cm and pH ranged from 8.27 to 8.40, which was within BC WQG for FAL (6.5 to 9 pH).

During September sampling, water temperature ranged from 13.9°C to 15.8°C at all sites. Dissolved oxygen ranged from 6.04 mg/L to 7.66 mg/L, which is lower than the instantaneous minimum BC WQG for FAL. Conductivity ranged from 139.0 µS/cm to 142.1 µS/cm at all sites. Water pH ranged from 8.25 to 8.90 and was within BC WQG for FAL.

3.3.5.1 Catch-Per-Unit-Effort (CPUE)

Electrofishing CPUE for each individual electrofishing pass, as well as electrofishing effort and capture data, are provided in Table 3-8. The first-pass electrofishing CPUE per site over sampling years is shown in Figure 3-1. Minnow trapping captures, CPUE (calculated for the combined minnow trapping effort of two traps at each site), and minnow trap sampling effort are provided

in Table 3-9. The CPUE for previous years are shown in Figure 3-2 (see Appendix 5 Table 4 for data).

Captured fish consisted mainly of juveniles or fry, except for 13 adult Prickly Sculpin that were captured during both electrofishing and minnow trapping efforts. Longnose Sucker was the most frequently captured species ($n = 30$), while the least captured species was Northern Pikeminnow (*Ptychocheilus oregonensis*; $n = 1$). A Mann-Kendall trends analyses was conducted comparing total CPUE of the minnow trapping combined at all sites between sampling years. The Mann-Kendall test found no significant differences ($p = 0.2207$) in total MT CPUE from 2021 to 2025 (Appendix 3 Table 1). The electrofishing CPUE per site ranged from 0.46 fish/100 s to 1.10 fish/100 s at CC_EF1 and CC_E1, respectively. The minnow trapping CPUE per site ranged from 0.02 fish/trap hr at CC_MT4 and CC_MT7 to 0.29 fish/trap hr at CC_MT9.

Table 3-8. Electrofishing sampling effort and CPUE for fish captured in Lower Chedakuz Creek, July 2025

Site	Electrofishing Pass	Effort (s)	Number of fish captured					Total fish Captured	CPUE (fish/100 s)
			LSU	CSU	CAS	KO	RB		
CC_EF1	1	478	0	1	11	0	0	11	2.30
	2	490	0	0	3	0	0	3	0.61
	3	482	0	0	1	0	1	2	0.41
	Site CPUE								1.10
CC_EF2	1	389	0	0	2	0	1	3	0.77
	2	387	0	0	2	0	0	2	0.52
	3	320	0	0	0	0	0	0	0.00
	Site CPUE								0.46
CC_EF3	1	510	1	0	3	0	1	5	0.98
	2	501	1	0	0	1	0	2	0.40
	3	487	1	0	1	0	0	2	0.41
	4	500	0	0	0	1	0	1	0.20
	Site CPUE								0.60

Note: LSU = Longnose Sucker, CSU = Largescale Sucker, CAS = Prickly Sculpin, KO = Kokanee, RB = Rainbow Trout

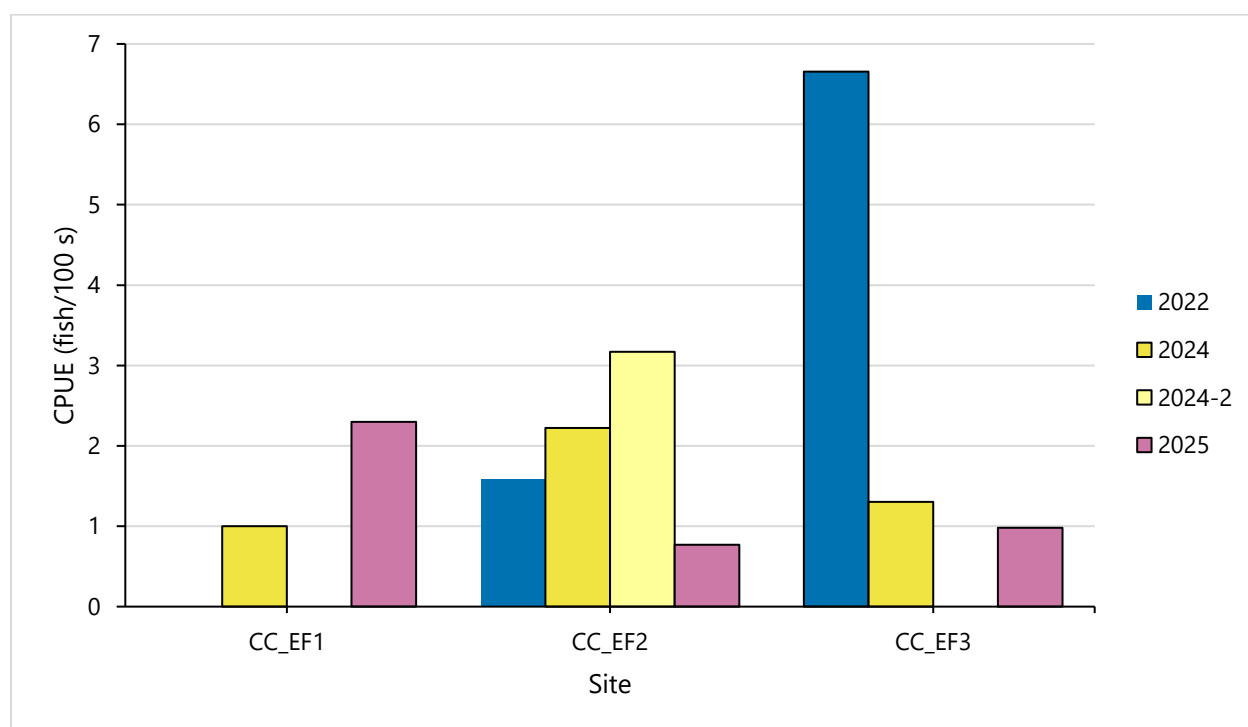
Table 3-9. Minnow trapping sampling effort and CPUE for fish captured in Lower Chedakuz Creek, September 2025

Site	Fish Species					Total fish captured	Effort (total trap hrs per site)	CPUE (fish/trap hr)
	LSU	CSU	NSC	CAS	RB			
CC_MT1	5	1	0	1	0	7	48.50	0.14
CC_MT2	1	0	1	0	0	2	48.70	0.04
CC_MT3	2	0	0	1	3	6	49.17	0.12
CC_MT4	0	0	0	1	0	1	49.35	0.02
CC_MT5	3	0	0	0	0	3	49.37	0.06
CC_MT6	2	0	0	0	0	2	49.35	0.04

Site	Fish Species					Total fish captured	Effort (total trap hrs per site)	CPUE (fish/trap hr)
	LSU	CSU	NSC	CAS	RB			
CC_MT7	0	0	0	1	0	1	49.23	0.02
CC_MT8	6	1	0	1	0	8	49.28	0.16
CC_MT9	7	6	0	1	0	14	48.69	0.29
CC_MT10	1	0	0	0	1	2	49.15	0.04
Total	27	8	1	6	4	46	N/A	N/A

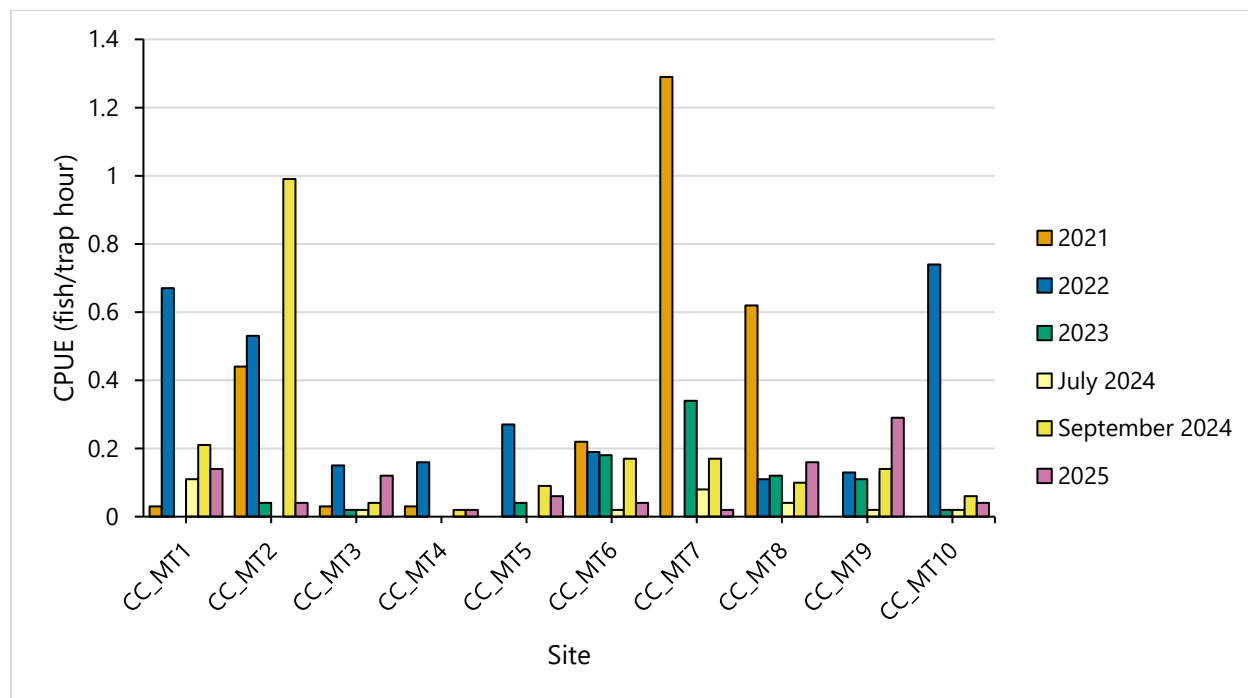
Note: LSU = Longnose Sucker, CSU = Largescale Sucker, NSC = Northern Pikeminnow, CAS = Prickly Sculpin, RB = Rainbow Trout

Figure 3-1. First-pass electrofishing CPUE for fish captured in Lower Chedakuz Creek in 2022, 2024 and 2025



Note: Two methods of site isolation were used at site CC_EF2 in 2024. Method 1 (2024) employed electrofishing sites isolated with upstream and downstream block nets spanning the entire channel width. Method 2 (2024-2) involved isolating a 32 m long and 3 m wide section along one bank of the site to better capture the fish hiding in the cover along the bank, and to avoid loss of site isolation during the electrofishing survey due to the amount of flow and considerable channel width of Lower Chedakuz Creek.

Figure 3-2. Minnow trapping CPUE for fish captured in Lower Chedakuz Creek from 2021 to 2025



Note: Minnow trapping was conducted twice in Lower Chedakuz Creek in 2024 due to low capture numbers in July.

3.3.5.2 Abundance and Density

The assumption of an equal probability of capture between passes, as tested with Likelihood Ratio Test (LRT), was met at CC_EF1 and CC_EF3. ($p > 0.05$). The assumption could not be tested at CC_EF2 due to low capture numbers. Capture probabilities are displayed in Table 3-10.

Table 3-10. Capture probabilities for all species captured during electrofishing sampling in Lower Chedakuz Creek, July 2024

<i>Sampling Year</i>	<i>Site</i>	<i>Method #</i>	<i>Capture Probability</i>	<i>LRT Chi Square Statistic Capture Probability (χ^2)</i>	<i>P-value Capture Probability</i>
2022	CC_EF2	1	0.47	0.01	0.91
2022	CC_EF3	1	0.38	0.05	0.82
2024	CC_EF1	1	0.34	0.17	0.68
2024	CC_EF2	1	0.87	-	-
2024	CC_EF2	2	0.48	4.04	0.04
2024	CC_EF3	1	0.58	1.19	0.27
2025	CC_EF1	1	0.70	0.02	0.90
2025	CC_EF2	1	0.71	-	-
2025	CC_EF3	1	0.53	0.06	0.81

Note: Two methods of site isolation were used at site CC_EF2 in 2024. Bolded capture probability statistic indicates that the capture probability was sufficiently low to negatively impact the reliability of the Likelihood Ratio test. - = Test could not be conducted due to low capture numbers.

Abundance estimates and density calculated for 2022, 2024, and 2025 are provided in Table 3-11. Abundance estimates for all fish captured during electrofishing in 2022 ranged from 23 (CC_EF3) to 85 (CC_EF2) fish. Abundance estimates for all fish captured during electrofishing in 2024 ranged from 7 (CC_EF3) to 34 (CC_EF2 method 2) fish. Abundance estimates for all fish captured during electrofishing in 2025 ranged from 5 (CC_EF2) to 16 (CC_EF1) fish. Abundance estimates with 95% confidence intervals for each site are displayed in Figure 3-3.

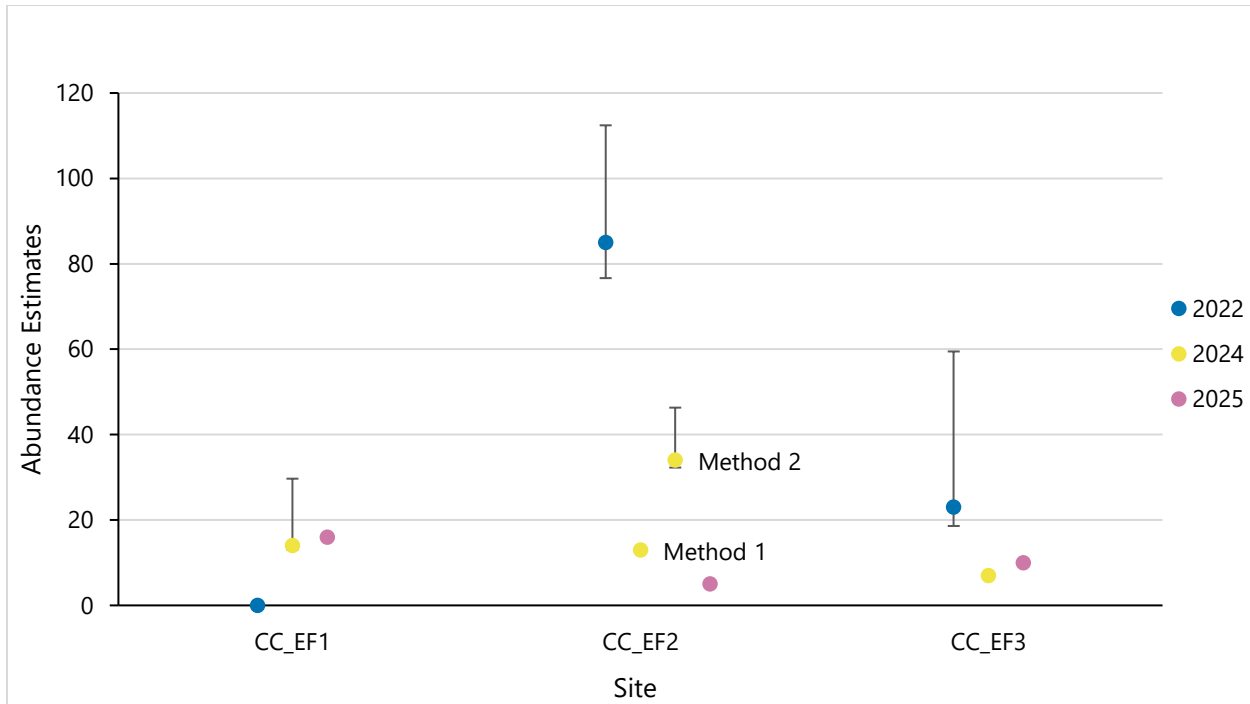
Total fish density for all fish captured during electrofishing in 2022 ranged from 23 fish/100m² (CC_EF3) to 85 fish/100m² (CC_EF2). Total fish density for all fish captured during electrofishing in 2024 ranged from 7.29 fish/100m² (CC_EF3) to 35.42 fish/100m² (CC_EF2 method 2). Total fish density for all fish captured during electrofishing in 2025 ranged from 5.75 fish/100m² (CC_EF2) to 17.78 fish/100m² (CC_EF1); density estimates with 95% confidence intervals for each site are displayed in Figure 3-4.

Table 3-11. Abundance estimates and density of fish captured during electrofishing sampling in Lower Chedakuz Creek, September 2022, July 2024 and July 2025

Sampling Year	Site	Method #	Abundance Estimate				Density (fish/100 m ²)			
			Values	Standard Error	95% LCI	95% UCI	Values	Standard Error	95% LCI	95% UCI
2022	CC_EF2	1	85	8.01	76.65	112.44	85.00	76.65	112.44	8.01
2022	CC_EF3	1	23	7.43	18.60	59.48	23.00	18.60	59.48	7.43
2024	CC_EF1	1	14	2.62	13.06	29.68	14.58	13.60	30.92	2.73
2024	CC_EF2	1	13	0.19	13.00	13.00	11.98	11.98	11.98	0.17
2024	CC_EF2	2	34	2.64	32.28	46.32	35.42	33.62	48.25	2.75
2024	CC_EF3	1	7	0.61	7.00	7.00	7.29	7.29	7.29	0.64
2025	CC_EF1	1	16	0.90	16.00	16.00	17.78	17.78	17.78	1.00
2025	CC_EF2	1	5	0.44	5.00	5.00	5.75	5.75	5.75	0.51
2025	CC_EF3	1	10	1.05	10.00	10.00	10.42	10.42	10.42	1.10

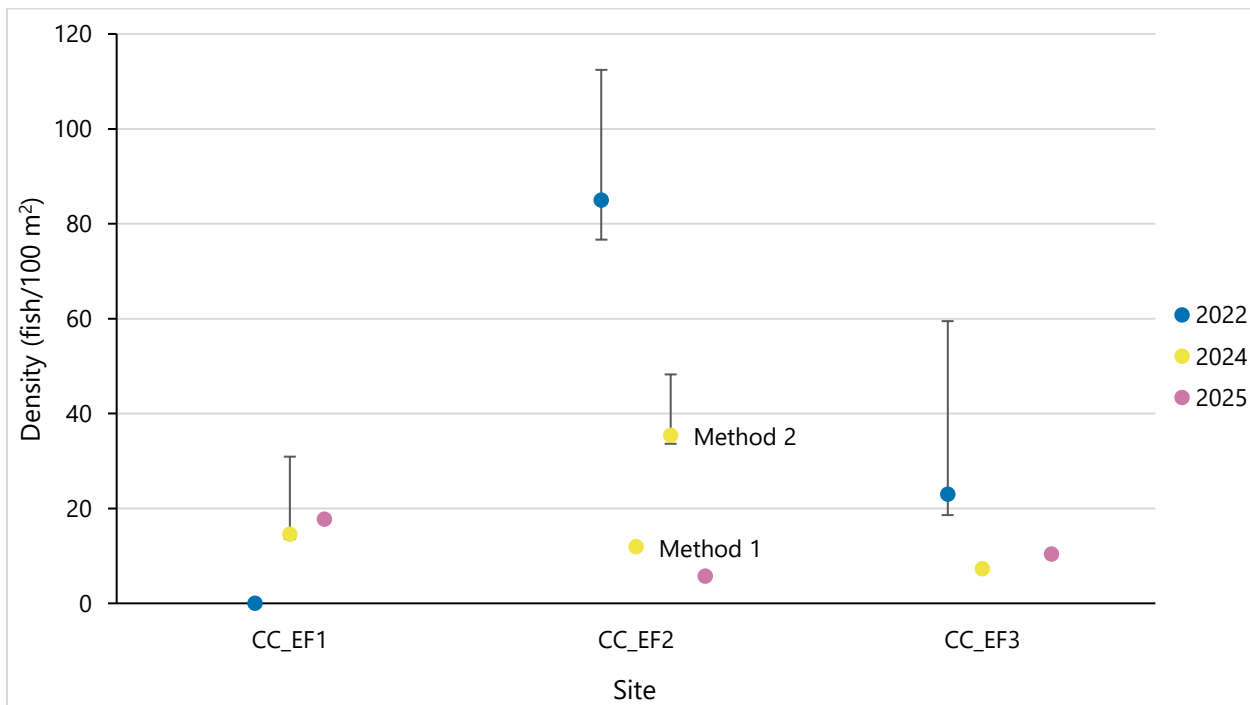
Note: Two methods of site isolation were used at site CC_EF2 in 2024. Method 1 employed electrofishing sites isolated with upstream and downstream block nets spanning the entire channel width. Method 2 involved isolating a 32 m long and 3 m wide section along one bank of the site to better capture the fish hiding in the cover along the bank, and to avoid loss of site isolation during the electrofishing survey due to the amount of flow and considerable channel width of Lower Chedakuz Creek.

Figure 3-3. Abundance estimates for all fish captured during electrofishing sampling in Lower Chedakuz Creek, 2022, 2024 and 2025



Notes: Sites with no visible upper and lower confidence intervals indicate that full depletion was achieved during sampling.

Figure 3-4. Density of all fish captured during electrofishing sampling in Lower Chedakuz Creek, 2022, 2024 and 2025



Note: Sites with no visible upper and lower confidence intervals indicate that full depletion was achieved during sampling.

3.3.5.3 Fish Health – Condition

The Fulton's condition factor (K) ranges for all species captured in Lower Chedakuz Creek via both electrofishing and minnow trapping are presented in Table 3-12 and Table 3-13, respectively. Fulton's condition from all capture data (not separated by capture method) for all years is plotted in Figure 3-5. There were three fish removed from the condition analysis captured in 2021 at site CC_MT7 due to either unnaturally high or low condition values. Suckers were only identified to family level (Sucker) in 2021 and 2022, but to species level (Longnose and Largescale Suckers) in 2024; therefore, all suckers were grouped as Sucker spp. for the analysis. Sculpins were only identified to family level (Sculpin sp.) in 2021 but to species level (Prickly Sculpins) in 2022 and 2024; therefore, all sculpins were grouped as Sculpin sp. for the purposes of analysis.

Since Kokanee, Northern Pikeminnow, Sculpin sp., and Sucker spp. were caught in multiple years, the condition for these species were analysed for differences among years. Given that Fulton's condition for Kokanee was normally distributed in all years (see Appendix 3 Table 3), comparisons based on ANOVA found no significant difference ($p = 0.0731$) among years (2022, 2024, and 2025). For all other species comparisons were conducted with Kruskal-Wallis test by ranks as the condition data were non-normally distributed (see Appendix 3 Table 3). Statistically significant differences were only observed for Sculpin sp. from 2001 against other years (see Appendix 3 Table 4). Mann-Kendall trends analyses were conducted on the condition of fish captured in the minnow trapping field programs from 2021 to 2025. No significant difference ($p = 0.462$) in mean Fulton's condition from 2021 to 2025 was found (Appendix 3 Table 2).

The relative condition ranges for all species captured in Lower Chedakuz Creek are presented in Table 3-12 and Table 3-13. Relative condition from all capture data (not separated by capture method) for all years is plotted in Figure 3-6.

Since Kokanee, Northern Pikeminnow, Sculpin sp. (Prickly Sculpin in 2022, 2024, and 2025) and Sucker spp. (Longnose and Largescale Sucker in 2024 and 2025) were caught in multiple years, relative condition for these species were analysed for differences among years. Given that relative condition for Kokanee was normally distributed in all years (see Appendix 3 Table 5), comparisons based on ANOVA found a significant difference ($p < 0.05$) among years (2022, 2024, and 2025). A Tukey's pairwise comparisons test was used to compare relative conditions between sampling years and found significant differences between Kokanee captured in 2022 and 2024 ($p = 0$), between 2022 and 2025 ($p = 0$) and between 2024 and 2025 ($p = 0.0005$). This is likely due to the difference in sampling times between the two programs, where sampling was completed in July 2022 versus September 2024 and 2025. In July 2022, it was exclusively adult Kokanee being captured whereas juvenile Kokanee were captured in September 2024 and 2025. As these adults captured in 2022 were heavier than the expected weight from the length weight regression, their relative conditions were shifted upwards. For all other species, comparisons were conducted with Kruskal-Wallis test by ranks as the condition data were non-normally distributed (see Appendix 3 Table 5). Statistically significant differences were observed for Sculpin sp. between most years (see Appendix 3 Table 6).

Table 3-12. Mean Fulton's and relative condition ($\pm$ SD) of all fish captured during electrofishing in Lower Chedakuz Creek in 2022, 2024, and 2025

<i>Species</i>	<i>Fulton's Condition (K) Range¹</i>			<i>Relative Condition (K_n) Range</i>		
	<i>2022</i>	<i>2024</i>	<i>2025</i>	<i>2022</i>	<i>2024</i>	<i>2025</i>
Kokanee	0.97 $\pm$ 0.13	1.07 $\pm$ 0.24	1.02 $\pm$ 0.00	1.07 $\pm$ 0.14	0.64 $\pm$ 0.14	0.89 $\pm$ 0.02
Mountain Whitefish	1.04	0.96 $\pm$ 0.24	-	1.22	1.01 $\pm$ 0.24	-
Northern Pikeminnow	1.14 $\pm$ 0.36	0.92 $\pm$ 0.09	-	1.13 $\pm$ 0.38	0.70 $\pm$ 0.23	-
Prickly Sculpin	1.54 $\pm$ 0.34	1.40 $\pm$ 0.30	1.46 $\pm$ 0.25	1.19 $\pm$ 0.38	1.08 $\pm$ 0.23	1.3 $\pm$ 0.22
Rainbow Trout	1.04 $\pm$ 0.07	1.18 $\pm$ 0.27	1.03 $\pm$ 0.15	0.94 $\pm$ 0.07	1.01 $\pm$ 0.24	0.93 $\pm$ 0.14
Sucker spp.	1.15 $\pm$ 0.19	1.25	1.19 $\pm$ 0.17	1.05 $\pm$ 0.17	1.20	1.07 $\pm$ 0.13

Notes: ¹Fulton's condition for Prickly Sculpin was calculated using total length, given that Prickly Sculpin do not have a forked caudal fin

Table 3-13. Mean Fulton's and relative condition ($\pm$ SD) of fish captured during minnow trapping sampling in Lower Chedakuz Creek from 2021 to 2025

<i>Species</i>	<i>Fulton's Condition (K) Range¹</i>					<i>Relative Condition (K_n) Range</i>				
	<i>2021</i>	<i>2022</i>	<i>2023</i>	<i>2024</i>	<i>2025</i>	<i>2021</i>	<i>2022</i>	<i>2023</i>	<i>2024</i>	<i>2025</i>
Brassy Minnow	1.19 $\pm$ 0.05	-	-	-	-	-	-	-	-	-
Lake Chub	0.98 $\pm$ 0.17	-	-	-	-	-	-	-	-	-
Longnose Sucker	-	-	-	1.11 $\pm$ 0.2	1.1 $\pm$ 0.19	-	-	-	0.98 $\pm$ 0.17	0.99 $\pm$ 0.18
Northern Pikeminnow	-	1.05	1.07 $\pm$ 0.08	1.03 $\pm$ 0.08	1.11	-	1.04	1.04 $\pm$ 0.07	1.00 $\pm$ 0.08	1.04
Prickly Sculpin	-	-	1.34 $\pm$ 0.23	1.40 $\pm$ 0.25	1.44 $\pm$ 0.1	-	-	-	1.06 $\pm$ 0.19	1.31 $\pm$ 0.11
Rainbow Trout	1.10 $\pm$ 0.00	-	1.22 $\pm$ 0.02	1.03 $\pm$ 0.14	1.04 $\pm$ 0.13	1.00 $\pm$ 0.01	-	1.12 $\pm$ 0.02	0.91 $\pm$ 0.12	0.92 $\pm$ 0.12
Sculpin sp.	1.24 $\pm$ 0.16	-	-	-	-	0.87 $\pm$ 0.11	-	-	-	-
Sucker spp.	1.28 $\pm$ 1.63	1.13 $\pm$ 0.05	1.11 $\pm$ 0.14	-	-	1.19 $\pm$ 1.52	1.03 $\pm$ 0.05	1.05 $\pm$ 0.13	-	-
White Sucker	-	-	1.08	-	-	-	-	1.04	-	-
Largescale Sucker	-	-	-	-	1.17 $\pm$ 0.30					1.02 $\pm$ 0.26

Notes: ¹Fulton's condition for Prickly Sculpin was calculated using total length, given that Prickly Sculpin do not have a forked caudal fin

Figure 3-5. Mean Fulton's condition of all fish captured in Lower Chedakuz Creek from 2021 to 2025, 95% CIs displayed

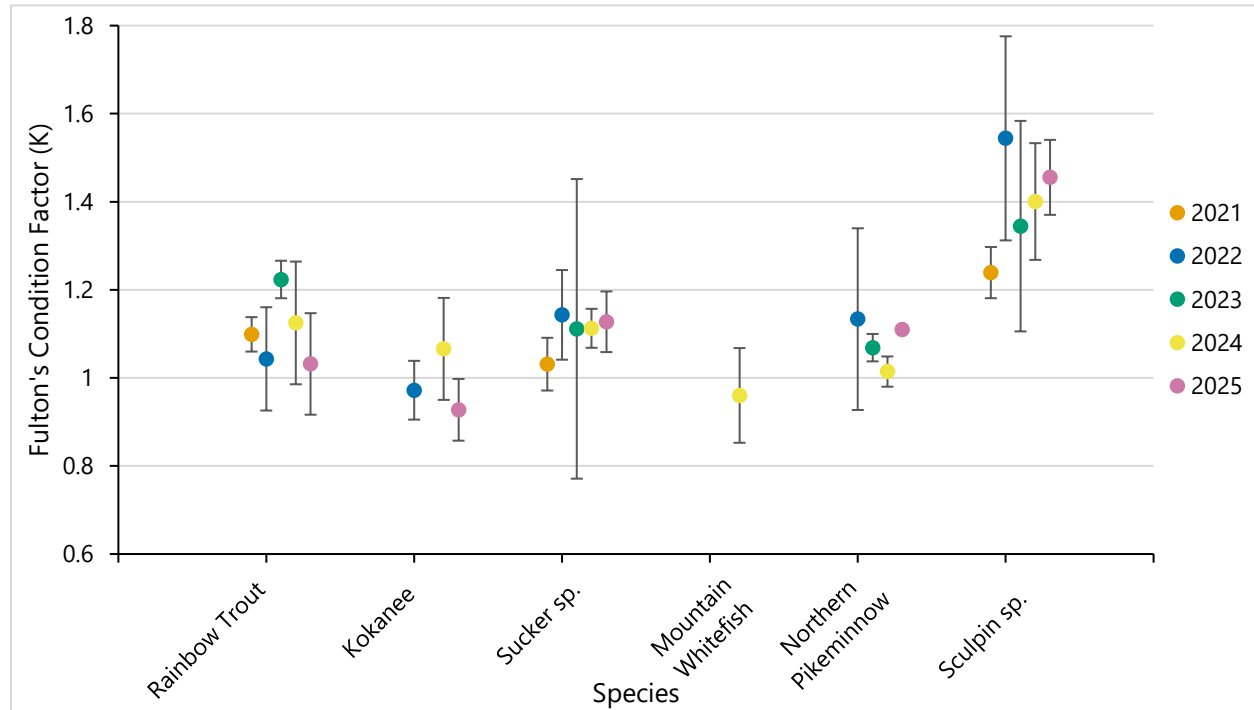
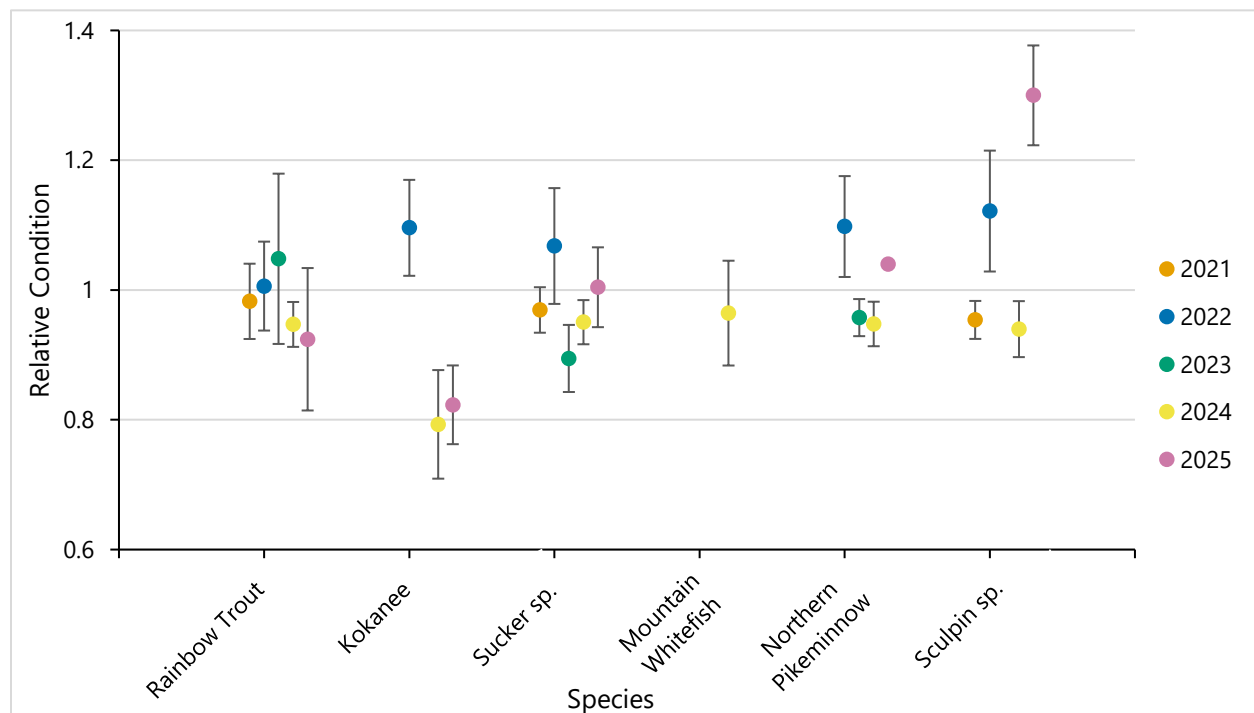


Figure 3-6. Mean relative condition of all fish captured in Lower Chedakuz Creek from 2021 to 2025, 95% CIs displayed



3.3.5.4 Biomass

Biomass totals at each site, separated by capture method (electrofishing and minnow trapping), for each year are presented in Figure 3-7 and Figure 3-8. Biomass was also calculated per species for each site, separated by capture method and are summarized in Appendix 5, Tables 4 and 5. The electrofishing sampling program in 2025 resulted in CC_EF3 having the highest biomass with 57.1 g of fish captured and the total from all three sites combined was 106.1 g. The minnow trap sampling in September 2025 had the highest biomass at CC_MT5 with 27.7 g of fish captured and the total from all ten sites combined was 138.1 g.

Figure 3-7. Biomass totals of all fish captured during electrofishing sampling in Lower Chedakuz Creek, September 2022 and July 2024 and 2025

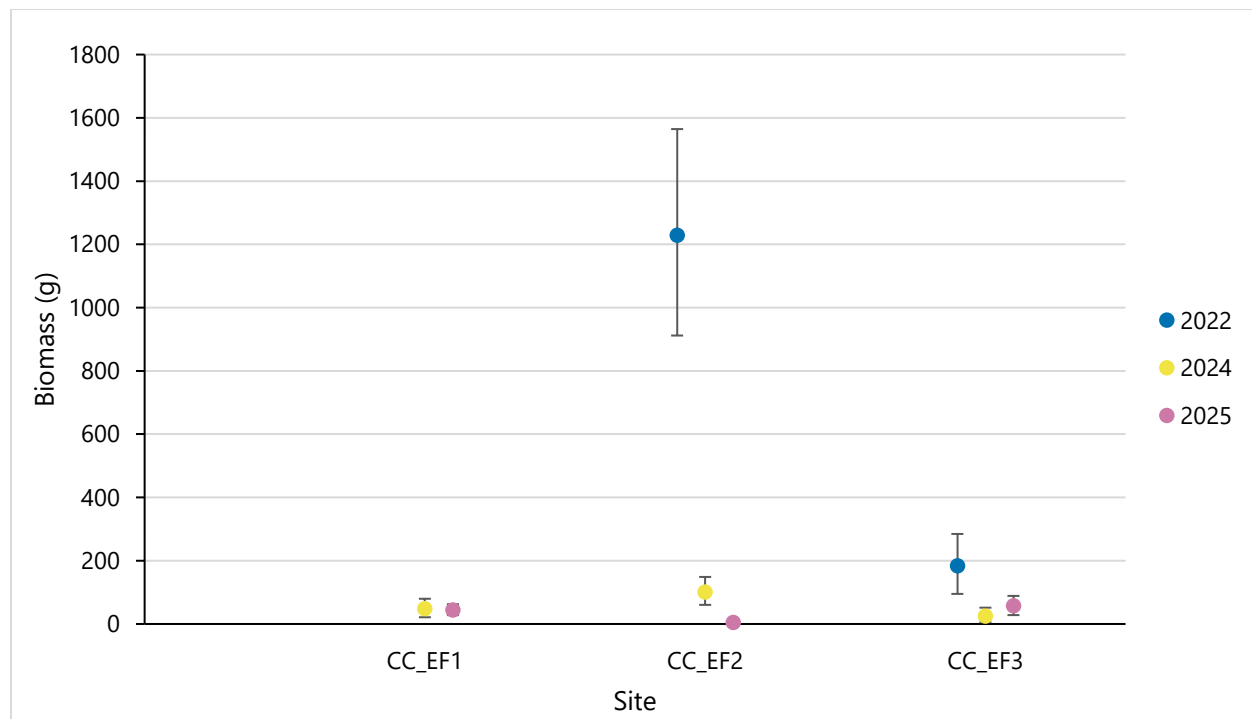
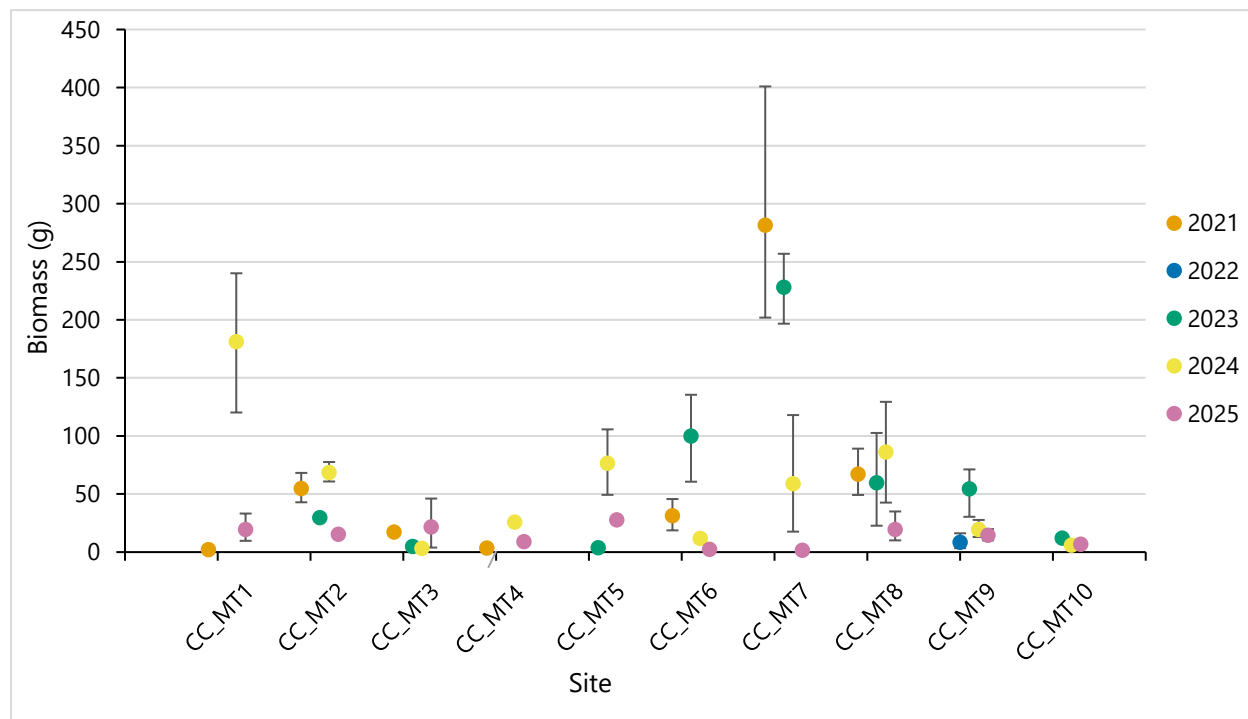


Figure 3-8. Biomass totals of all fish captured during minnow trapping in Lower Chedakuz Creek between 2021 and 2024



Note: points without 95% confidence intervals contained too few captures to calculate CIs through bootstrapping.

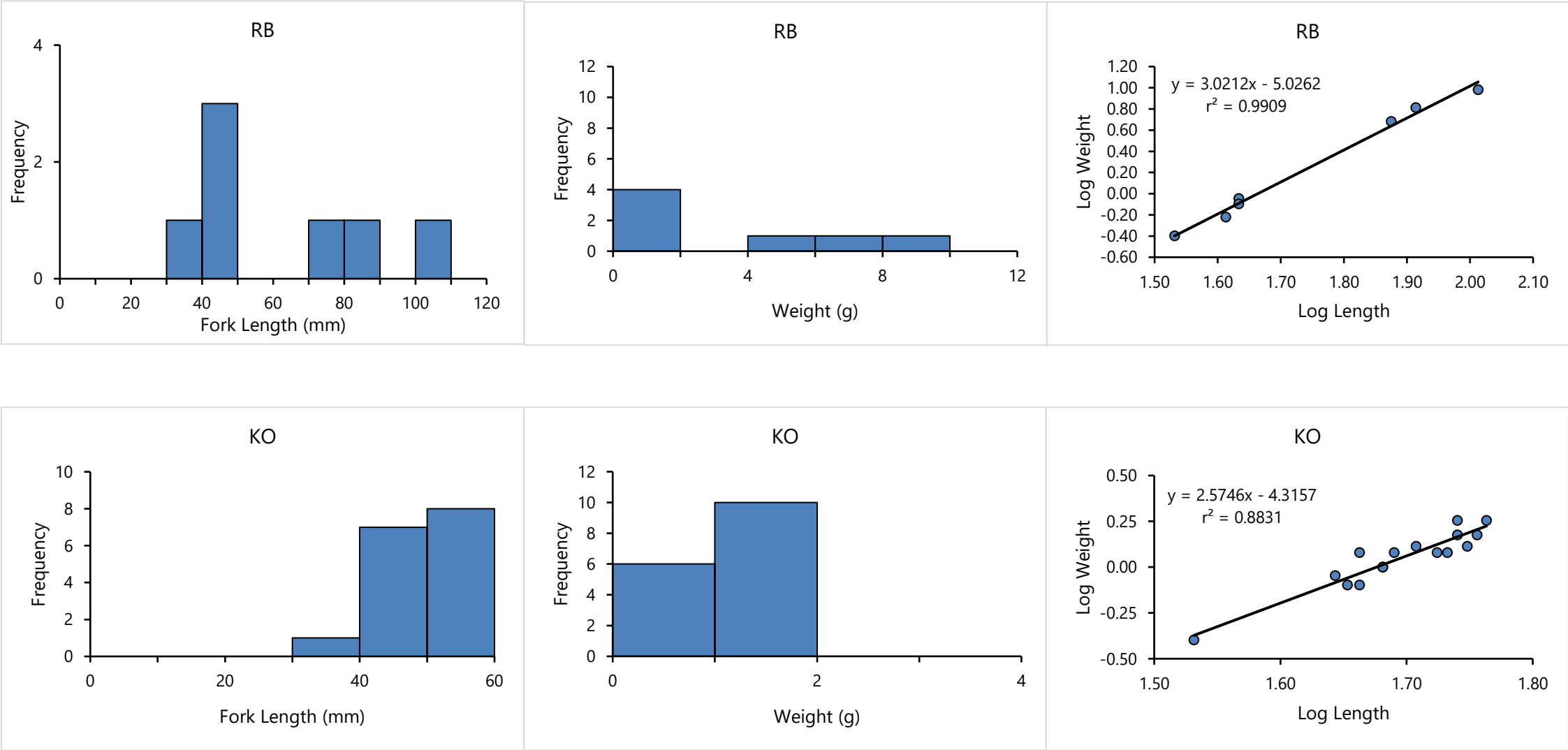
3.3.5.5 Population Structure – Length and Weight

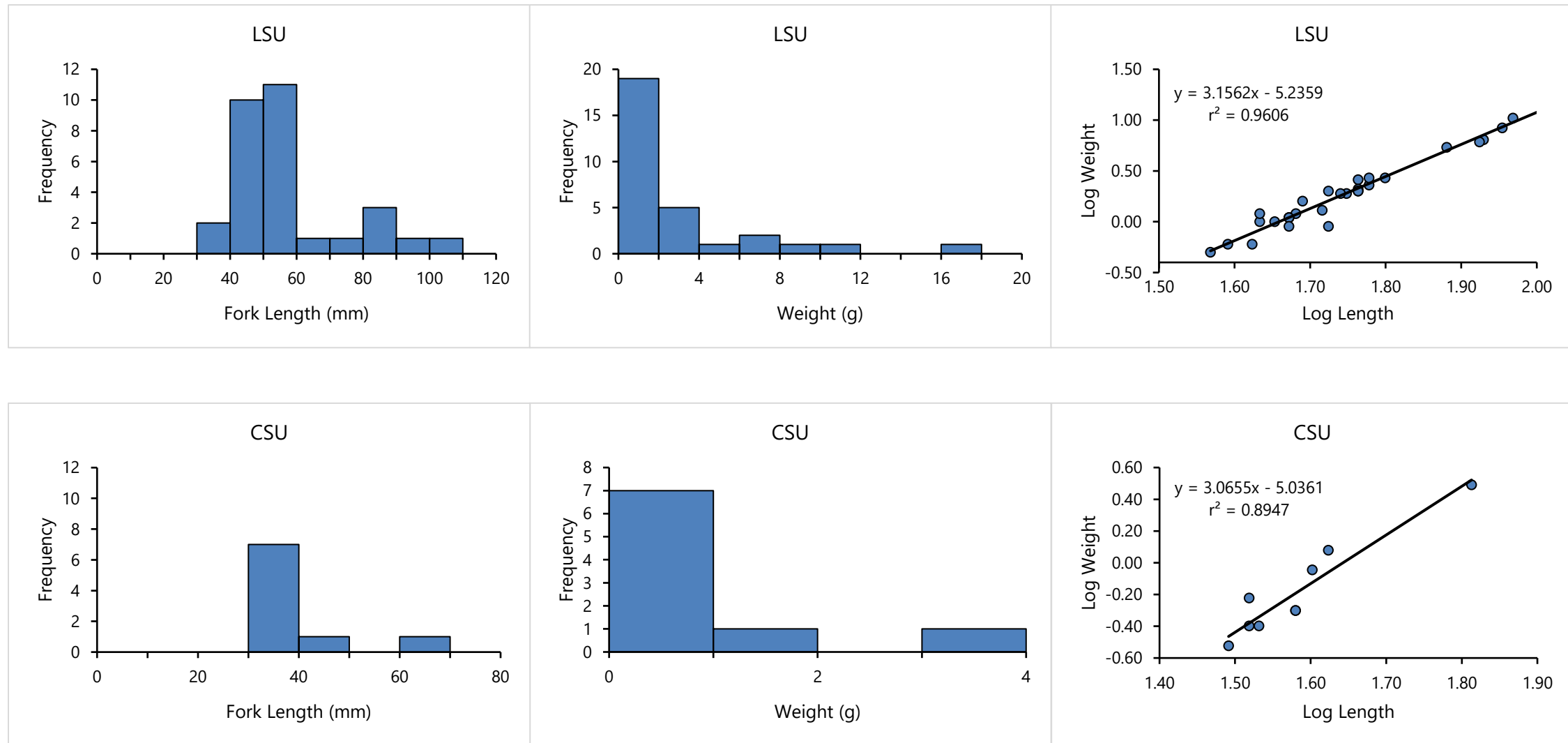
Fork length and weight frequency distributions and log-transformed length-weight linear regressions for Rainbow Trout (*Oncorhynchus mykiss*), Kokanee, Longnose Sucker, Largescale Sucker (*Catostomus macrocheilus*), and Prickly Sculpin are presented in Figure 3-9.

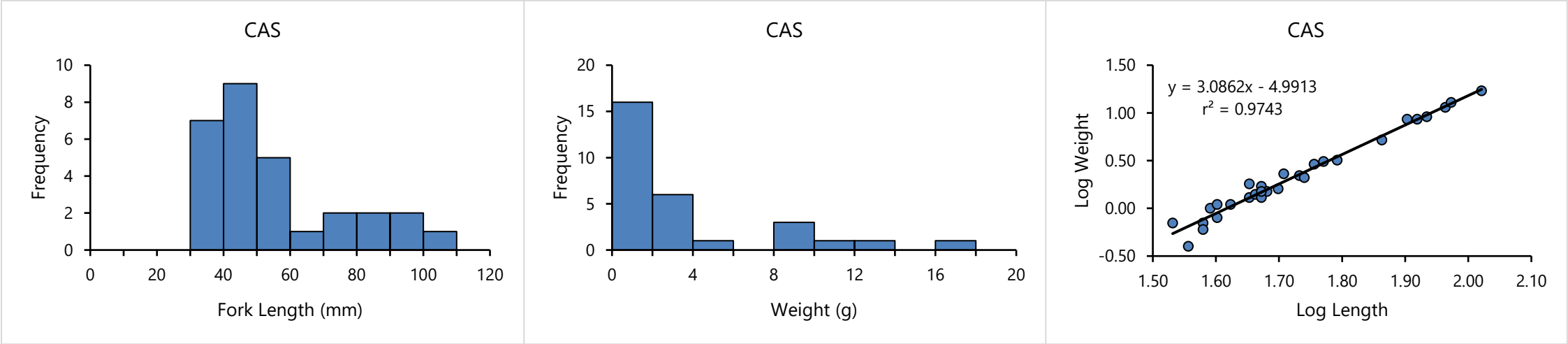
Results of the length frequency distribution comparisons among years are provided in Appendix 3 Table 7. Significant differences ($p < 0.05$) were found for electrofished Kokanee and Sculpin sp. and minnow-trapped Sucker spp. between most years. Differences were not found with minnow-trapped Northern Pikeminnow, Rainbow Trout or Sculpin sp.

Due to electrofishing sampling in 2022 being conducted in September, all Kokanee captured were greater than 150 mm in length, compared to in 2024 and 2025 when sampling was conducted in July and Kokanee lengths ranged from 32 to 61 mm. The Sculpin sp. captured during electrofishing sampling in 2022 had a larger proportion of lengths >100 mm and <40 mm than the Prickly Sculpin captured during the 2024 and 2025 electrofishing sampling, where the length frequency distribution was evenly distributed between 40 and 150 mm. The fork-lengths of Sucker spp. captured via minnow trapping in 2021 were longer on average compared to Sucker spp. captured in 2022, 2024 and 2025 (2023 removed from analysis due to low capture numbers). The minnow trapping was conducted in late July in 2021 versus late August 2022 and mid September 2024 and 2025. This difference in sampling timing could have influenced the size of Sucker spp. captured.

Figure 3-9. Population structure graphs by species for all fish captured during the 2025 sampling in Lower Chedakuz Creek







3.3.6 Recommendations

For future field programs, it is recommended that the timing of the minnow trapping fish sampling component be adjusted to late summer or early fall, when water temperatures are lower to improve catch rates and lower potential handling stress on captured fish. Sampling in late August or early September would provide comparable timing to sampling conducted in 2022 through 2025.

It is again recommended that the three-pass depletion electrofishing fish sampling component be discontinued. Electrofishing efficiency and effectiveness proved difficult to achieve due to the large channel size in Lower Chedakuz Creek. Fish were easily able to evade capture regardless of the number of electrofishing passes completed, rendering depletion difficult to achieve. The resulting abundance estimates likely do not reflect the actual abundance of fish species inhabiting Lower Chedakuz Creek.

3.4 Kokanee Spawner Survey

3.4.1 Measurement and Assessment Endpoints

Measurement endpoints for Kokanee spawning bank walks consisted of spawner and redd abundance and fish size at 100% maturity. These endpoints are specified in the FUP for Condition 3.16 and are provided in Table 3-14.

Table 3-14. Measurement and assessment endpoints for Kokanee spawning bank walks in Lower Chedakuz Creek

Measurement Endpoint	Assessment Endpoint
Fish abundance	Relative number of adult spawners and their density observed in each survey reach
Redd abundance	Relative number of redds and their density observed in each survey reach
Fish size at 100% maturity	Length and age at 100% maturity of Kokanee returning to Lower Chedakuz Creek

3.4.2 Sampling Sites, Timing, and Methods

Visual spawner assessment bank walk surveys were performed in one section (CC_3.16) in Lower Chedakuz Creek, which commenced at the outlet of Tatelkuz Lake and terminated at the confluence with Davidson Creek. Visual spawner surveys were conducted once per week from July 22, 2025 to September 16, 2025. Survey timing is based on historical knowledge of Kokanee spawning migration timing through Lower Chedakuz Creek. Sampling site locations and lengths and survey dates are provided in Table 3-15 and Table 3-16, respectively.

Table 3-15. Kokanee spawning survey location

Site	Downstream End			Upstream End			Approximate Length (m)
	Zone	Easting	Northing	Zone	Easting	Northing	
CC_3.16	10	385028	5908261	10	385425	5907742	876

Table 3-16. Kokanee spawning survey dates, 2025

Site	Survey Dates		
	July 2025	August 2025	September 2025
CC_3.16	22, 29	5, 12, 19, 26	2, 9, 16

3.4.3 Field Methods

Surveys were conducted by a two-person crew walking in an upstream direction and outside the wetted width, where possible, to prevent disturbing spawning Kokanee and Kokanee redds. Live and dead Kokanee were counted individually by each crew member and counts compared at the end of the survey section; the counts with larger numbers were recorded. Surveys ended at the end of the spawning season when spawning was deemed complete through repeated surveys with few to no Kokanee observations.

Both live and dead Kokanee were counted, while live adult fish were further categorized into the following groups depending on their observed behaviour:

- Holding/migrating:
 - Holding – unpaired and actively shoaling, usually under cover or in deep pools, and
 - Migrating – swimming steadily upstream, usually unpaired,
- Spawning – courting with one or more individuals, digging/guarding redds usually with caudal fin wear, and
- Spent – lethargic, usually in slow pools, backwater or drifting downstream, with potential damage to body/fins.

A percentage value of observer efficiency (OE) was applied to each reach for each survey against the raw counts of Kokanee. The OE is the probability that a spawning Kokanee was, or could be, seen by the observer. The OE value was subjectively determined by the surveyors according to several factors that could influence counting efficiency:

- Percent bankfull stream wetted width and depth, recorded every 200 m at the same location for each survey (less than 25%, 25 to 50%, 50 to 100%, greater than 100%),
- Water clarity (0 to 0.25 m, 0.25 to 0.5 m, 0.5 to 1.0 m, 1 to 3 m, greater than 3 m),
- Brightness (Full, Bright, Medium, Dark),
- Percent cloud cover (0, 25, 50, 75 and 100%),
- Precipitation type and intensity,
- Cover types and abundance (i.e., large woody debris, deep pools, and undercut banks; none, trace, moderate, or abundant), and

- Percent crown closure (0%, 1 to 20%, 21 to 40%, 41 to 70%, 71 to 90%, greater than 90%).

Redds were identified and counted in each reach based on observations of cleaned gravel patches and depressions in suitable spawning areas. The location of each identified redd or redd complex was recorded using digital field data mapping software (ArcGIS Field Maps). The use of mapping software enabled observers to avoid disturbing previously identified redds during subsequent surveys.

Dead Kokanee spawners, hereinafter referred to as carcasses, were encountered during the bank walk surveys. A subset of these carcasses was sampled for sex, fork length, and postorbital-hypural length. Dead fish were cut in half to avoid recounting on subsequent bank walks. Females were internally assessed as either:

- Spent (approximately 100% eggs released);
- Partially spawned (approximately 50% of eggs released); or
- Not spawned (approximately 0% eggs released).

In situ water quality measurements were recorded at the downstream (start) and upstream (end) of the bank walk. Measurements collected included temperature (°C), pH, specific conductivity (µS/cm), dissolved oxygen (mg/L and %), and turbidity (NTU). Water quality measurements were collected using a YSI ProQuatro multiparameter meter or an Oakton PCTSTestr 50 and/or an OxyGuard dissolved oxygen meter, and a LaMotte turbidity meter. Raw water quality data are provided in Appendix 2 in Table 14. Representative photos of bank walk sections, any identified redds, and Kokanee carcasses were taken.

3.4.4 Quality Assurance/Quality Control

The QA/QC for field equipment calibration, electronic field forms, and data entry were carried out as discussed in Section 2.1.2.3.

3.4.5 Results and Discussion

Nine visual spawner surveys were conducted between July and September 2025 (Table 3-17); Three live Kokanee and one dead Kokanee were observed. The Kokanee carcass was observed during the September 9, 2025 survey. The carcass recovered was determined to be a mature male that had not spawned. There were no Kokanee redds observed. Raw visual spawner survey and water quality data are included in Appendix 2.

Similarly to 2025, no spawning Kokanee or active redds were observed during the 2021 (Palmer 2022), 2022 (Pamer 2023b), 2023 (Palmer 2024), or 2024 (Triton 2025) surveys; only holding or migrating fish were observed in this section in these years (2 in 2021, 293 in 2022, 28 in 2023, and 0 in 2024). These results, along with the 2025 observations, lend evidence that Kokanee are not using this section of Chedakuz Creek for spawning, rather only for holding and migrating.

Table 3-17. Kokanee visual spawner survey results in Lower Chedakuz Creek, July to September 2025

Survey Date	Holding/ Migrating	Spawning	Spent	Dead	Redds	KO Density	
						Linear ¹ (fish/m)	Area (fish/ 100 m ²)
July 22	0	0	0	0	0	0	0
July 29	0	0	0	0	0	0	0
August 5	1	0	0	0	0	0.001	0.005
August 12	0	0	0	0	0	0	0
August 19	1	0	0	0	0	0.001	0.006
August 26	1	0	0	0	0	0.001	0.007
September 2	0	0	0	0	0	0	0
September 9	0	0	0	1	0	0	0
September 16	0	0	0	0	0	0	0

Notes: ¹Linear distance used for density was derived from Fish Habitat Assessment Procedures (FHAP) range finder data where the survey was measured at 876 m.

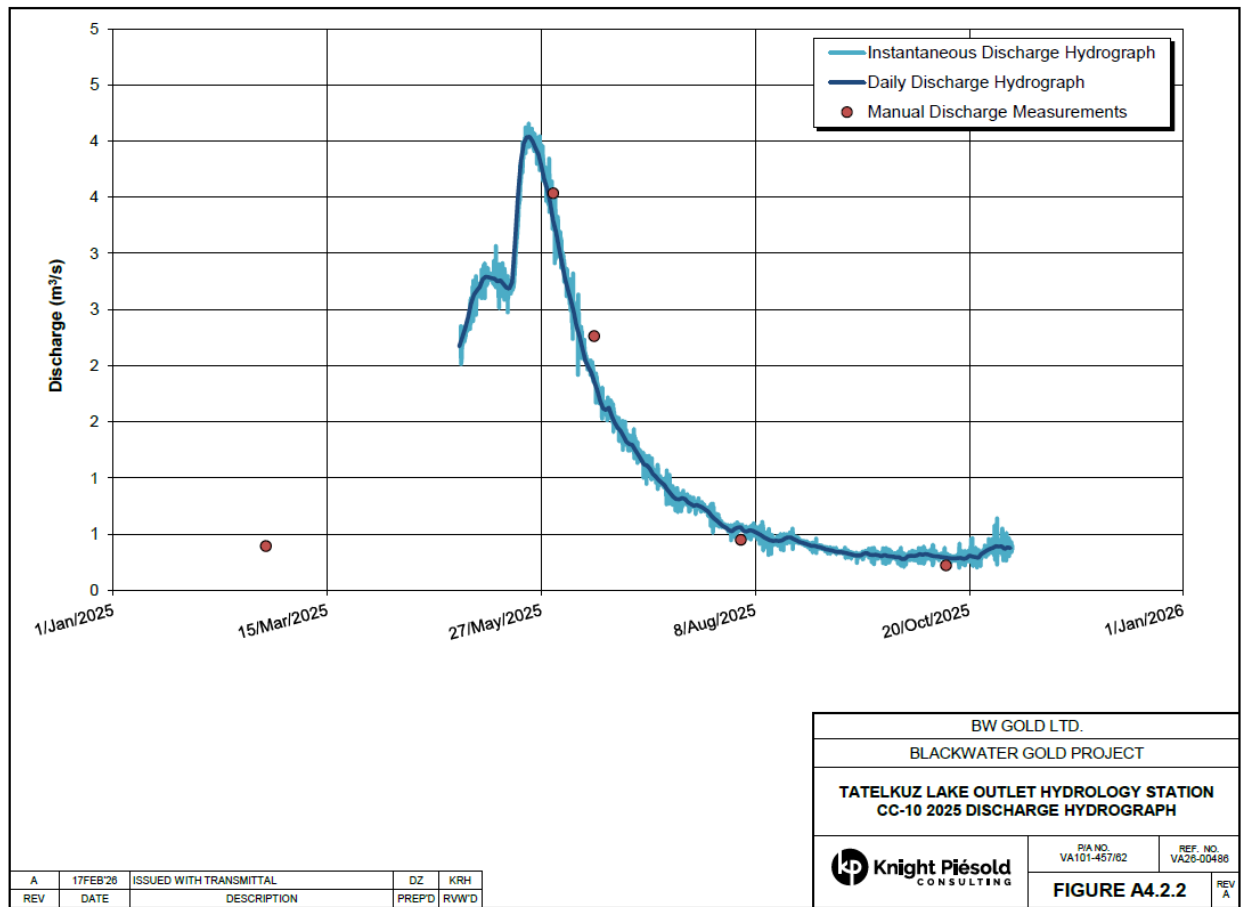
²Area was the average wetted width calculated on each survey date multiplied by the linear distance of the survey (876 m).

3.4.6 Recommendations

For future field programs, it is recommended that the Kokanee spawner surveys be discontinued in Lower Chedakuz Creek between the outlet of Tatelkuz Lake and the confluence with Davidson Creek (CC_3.16). The lack of spawning observed during multiple years of surveys in this section indicate that the value of completing visual spawner surveys in this section is relatively limited.

3.5 Lower Chedakuz Creek Hydrology Report

Knight Piésold Consulting completed flow monitoring in Lower Chedakuz Creek, between Tatelkuz Lake and the confluence with Davidson Creek, during the open water season to fulfill the requirement of Condition 3.16 (Sub-condition 3.16.3). A 2025 report was prepared to summarize their monitoring data collected at hydrology stations at several watersheds within the Mine. Monitoring station CC-10 (previously named L1-Outlet) is located at the outlet of Tatelkuz Lake to Lower Chedakuz Creek; instantaneous stage and discharge measurements were collected throughout 2025. Ten total discharge measurements were collected throughout 2024 at CC-10 during five site visits in February, May, June, August, and October (2 discharge measurements per site visit). Discharge ranged from 0.224 m³/s in October 2025 to 3.534 m³/s in May 2025. Two rating curves were generated using stage-discharge measurements throughout several years (2013-2016 rating curve and 2017-2025 rating curve) and can be viewed in Knight Piésold (2026). The rating curves were applied to the stage record to generate the discharge hydrograph for CC-10, shown in Figure 3-10. Winter flows were measured once at CC-10 in 2025 in February as the October measurement is outside the winter window (November to April). The rating curve was applied to corrected water level data. The 2025 hydrometric data for CC-10 was determined to be of variable quality (Grade C) when compared against RISC hydrometric standards (2018).

Figure 3-10. Tatelkuz Lake hydrology station CC-10 daily average discharge hydrograph

4.0 Recommendations and Closing

The 2025 Tatelkuz Lake and Lower Chedakuz Creek sampling programs were successful in collecting and evaluating data relating to the long-term monitoring requirements under the FUP for Condition 3.16. This annual report was compiled using data collected by Palmer in 2021, 2022, and 2023, and by Triton in 2024 and 2025 to monitor fish and fish habitat in Tatelkuz Lake and Chedakuz Creek. Field work included Tatelkuz Lake limnology assessments throughout the year and near-shore littoral fish community sampling was completed. In Lower Chedakuz Creek, overwintering and summer fish habitat was assessed. Summer fish community sampling was conducted using minnow trapping and closed-site electrofishing, and Kokanee spawner surveys were completed.

The 2025 monitoring results will update the baseline conditions data and contribute to evaluating the success of planned mitigation measures for fish habitat impacts in Tatelkuz Lake and Chedakuz Creek once the FWSS is operational. The monitoring data will be used to assess Mine-related long-term effects, fulfilling FUP data collection and long-term monitoring requirements of Decision Statement Condition 3.16.

Recommendations based on the results of the 2025 program are summarized in Table 4-1.

Table 4-1. Recommendations for future FUP for Condition 3.16 field programs

<i>Section</i>	<i>Program Component</i>	<i>Recommendation</i>
2.2.5	Littoral Fish Community and Abundance	Due to continued high mortality rates and limited identifiable features on small larval fish, it is recommended that the larval fish sampling program be removed from the monitoring program. Focusing on juvenile abundance in early September is recommended as a useful endpoint to monitor the effects of water level changes.
3.2.6	Lower Chedakuz Creek Summer Fish Habitat	It is recommended that the FHAP surveys be discontinued and alternative approaches to habitat monitoring be considered. The current FHAP methodology is strongly influenced by observer interpretation and short-term environmental variability (e.g., flow, turbidity) resulting in low repeatability and inconsistent data across years. These limitations reduce the method's ability to detect subtle or cumulative habitat changes associated with Mine effects, making it poorly suited for robust effects assessments. Habitat changes may be observed earlier by monitoring flow levels in Lower Chedakuz Creek.
3.3.6	Lower Chedakuz Creek Summer Fish Community and Abundance	Adjust the timing of the minnow trap fish sampling component to late summer or early fall, when water temperatures are lower to improve catch rates and lower potential handling stress on captured fish.
3.3.6	Lower Chedakuz Creek Summer Fish	Discontinue three-pass depletion electrofishing sampling. Electrofishing efficiency and effectiveness proved difficult to achieve due to the large channel size in Lower Chedakuz Creek.

Section	Program Component	Recommendation
	Community and Abundance	Fish were able to evade capture regardless of the number of electrofishing passes completed rendering depletion difficult to achieve and likely biasing the resulting abundance estimates.
3.4.6	Lower Chedakuz Creek Kokanee Spawner Survey	Discontinue Kokanee spawner surveys for the section of Lower Chedakuz Creek between the outlet of Tatelkuz Lake and the confluence with Davidson Creek (CC_3.16). No active spawning or redds have been observed in this section in all surveys conducted between 2021 and 2025; these results suggest this section is primarily used for migration and holding, not spawning.

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APPENDIX 1

PHOTOS



Photo 1. TL BMC1 – View looking north from site on March 8, 2025



Photo 2. TL BMC3 – View of auger hold showing ice depth and ice layers on March 8, 2025



Photo 3. TLLit1 – Larval Prickly Sculpin captured during larval fish sampling on July 14, 2025



Photo 4. TLLit1 – 90 mm adult Prickly Sculpin captured during adult fish sampling on August 12, 2025

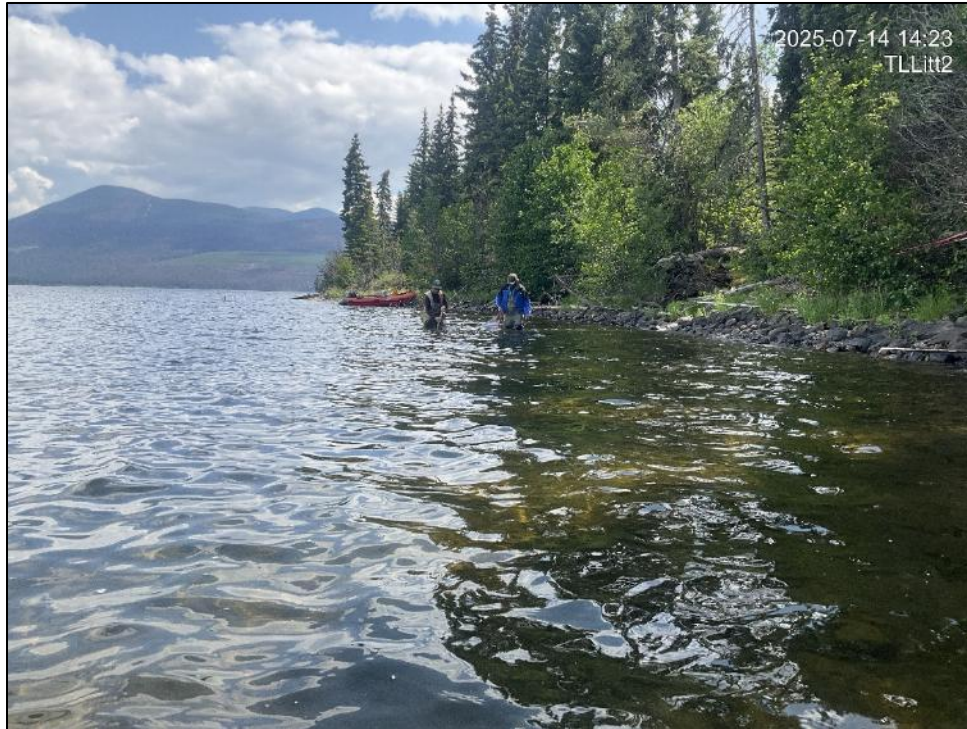


Photo 5. TLLIT2 – View looking southeast of crew conducting seine pass during larval fish sampling on July 14, 2025



Photo 6. TLLIT2 – 19 mm unidentified larval cyprinid captured during adult fish sampling on August 15, 2025



Photo 7. TLLIT3 – 45 mm Lake Chub captured during adult fish sampling on August 15, 2025



Photo 8. TLLit4 – View looking south across the seining site on July 15, 2025



Photo 9. TLLit4 – 49mm Lake Chub captured during adult fish sampling on August 13, 2025



Photo 10. TLLit5 – 46mm Rainbow Trout captured during adult fish sampling on August 14, 2025

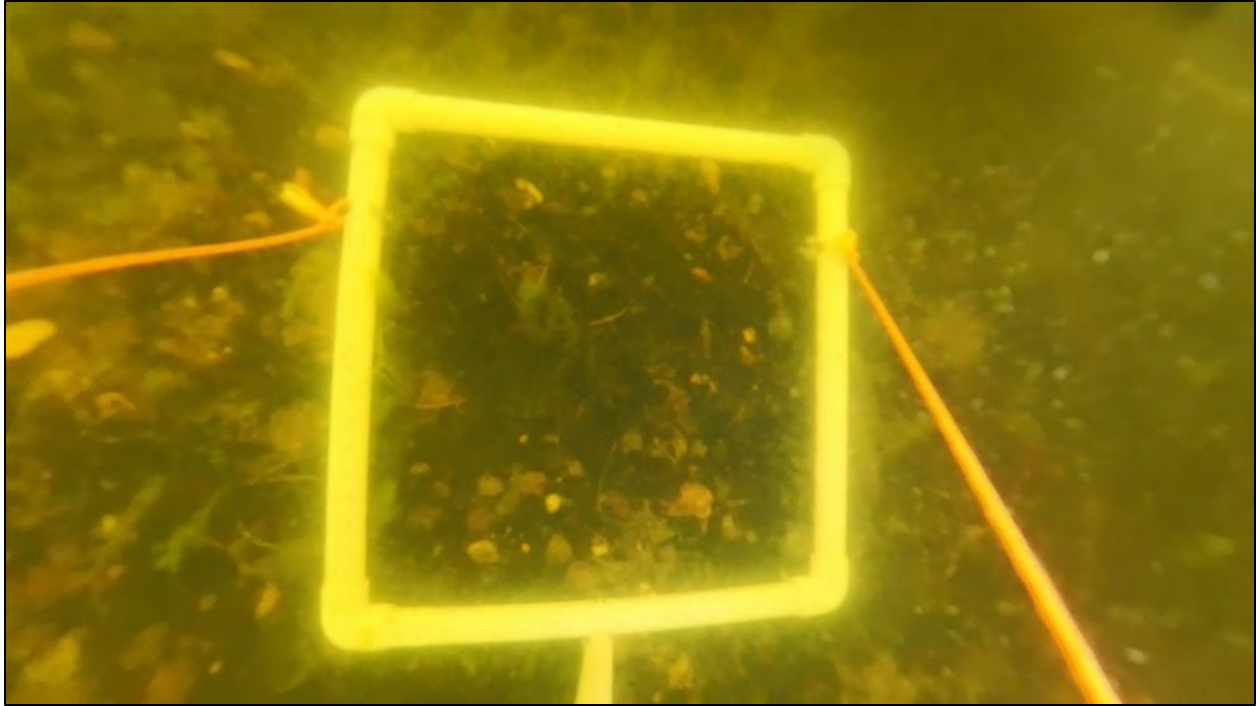


Photo 11. TLLit5 – Gravels and fines with minimal submergent vegetation at 2.9 m water depth, 10 m from the wetted lake edge on August 17, 2025

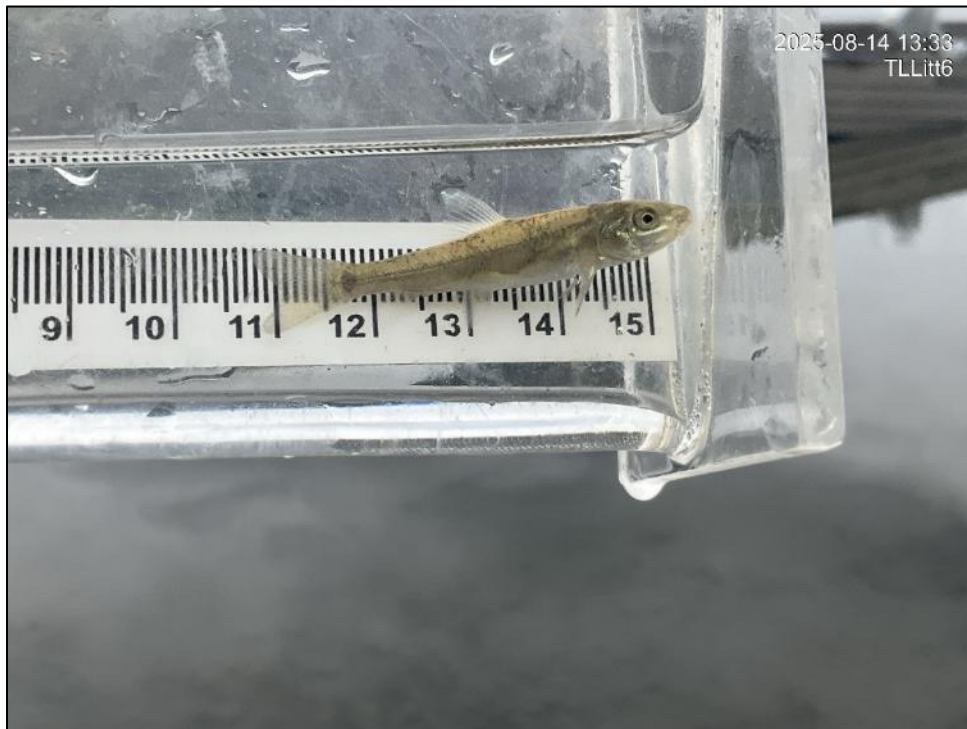


Photo 12. TLLit6 – 46 mm juvenile Largescale Sucker captured during adult fish sampling on August 14, 2025



Photo 13. TLLit6 – View looking east towards shore from about 50 m from wetted lake edge during littoral fish habitat assessment on August 17, 2025



Photo 14. TLLit7 – Dense submergent vegetation at 3.05 m water depth, 52 m from wetted lake edge on August 16, 2025



Photo 15. TLLit8 – 127 mm Rainbow Trout captured during adult fish sampling on August 14, 2025



Photo 16. TLLit9 – View looking southwest towards shore 15 m from the wetted lake edge during littoral fish habitat sampling on August 16, 2025



Photo 17. TLLit9 – 46 mm Lake Chub captured during adult fish sampling on August 12, 2025

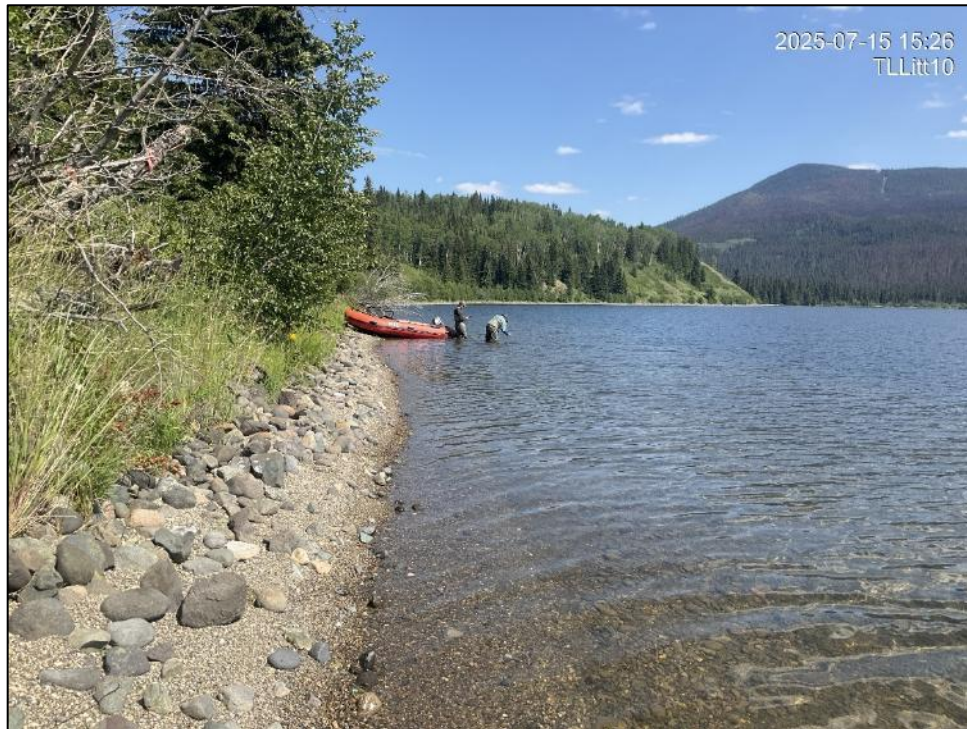


Photo 18. TLLit10 – View looking east through seining site of crew measuring water quality on July 15, 2025



Photo 19. TLLit10 – 64 mm Mountain Whitefish captured during adult fish sampling on August 14, 2025



Photo 20. TLLit11 – View looking west through seining site on July 14, 2025



Photo 21. TLLit11 – 40 mm Kokanee fry captured during adult fish sampling on August 12, 2025



Photo 22. CC_MT2 – View looking downstream from site location



Photo 23. CC_EF1 – View of closed electrofishing site with upstream and downstream block nets



Photo 24. CC_EF1 – 82 mm juvenile Rainbow Trout captured during the third electrofishing pass



Photo 25. CC_EF2 – 34 mm Rainbow Trout fry captured on the first electrofishing pass



Photo 26. CC_EF3 – View of closed electrofishing site with upstream and downstream block nets



Photo 27. CC_EF3 – 105 mm Prickly Sculpin captured during the first electrofishing pass



Photo 28. CC_MT1 – View of minnow-traps set along the bank near area with instream vegetation



Photo 29. CC_MT1 – 65 mm Largemouth Sucker (*Catostomus macrocheilus*) captured during minnow-trapping effort



Photo 30. CC_MT2 – 110 mm Northern Pike minnow captured during minnow-trapping effort



Photo 31. CC_MT3 – 84 mm Longnose Sucker captured during minnow-trapping effort



Photo 32, CC_MT6 – 47 mm Longnose Sucker captured during minnow-trapping effort



Photo 33. CC_MT8 – 83 mm Prickly Sculpin captured during minnow-trapping effort



Photo 34. CC_MT9 – View looking downstream at minnow-traps set along the bank in between small woody debris



Photo 35. CC_MT10 – 75 mm juvenile Rainbow Trout captured during minnow trapping efforts

APPENDIX 2

2025 FIELD DATA

Table A2-1. Tatelkuz Lake Limnology - Site and Survey Info

Program	Waterbody	Site	UTM Zone	UTM Easting	UTM Northing	Survey Date	Crew	Air Temperature (°C)	Cloud Cover (%)	Wind	Precipitation	Comments
Condition 3.16	Tatelkuz Lake	TL BMC1	10	385843	5907647	2025-03-08	CHRISTIAN CARNEVALE, JANELLE COLE	3	100	Calm	Flurries	
Condition 3.16	Tatelkuz Lake	TL BMC2	10	388983	5903371	2025-03-08	CHRISTIAN CARNEVALE, JANELLE COLE	5	100	Calm	Light Rain	
Condition 3.16	Tatelkuz Lake	TL BMC3	10	389699	5902568	2025-03-08	CHRISTIAN CARNEVALE, JANELLE COLE	5	100	Calm	Flurries	
Condition 3.16	Tatelkuz Lake	TL BMC4	10	390790	5900898	2025-03-08	CHRISTIAN CARNEVALE, IANFILL COLE	1	100	Calm	Flurries	
Condition 3.16	Tatelkuz Lake	TL LIM 3	10	387251	5905800	2025-03-08	CHRISTIAN CARNEVALE, JANELLE COLE	2	100	Calm	Flurries	
Condition 3.16	Tatelkuz Lake	TL LIM 3	10	387259	5905785	2025-06-03	JESSICA COURTIER, KIM KAISER	10	0	Calm	None	
Condition 3.16	Tatelkuz Lake	TL LIM 3	10	387255	5905796	2025-08-20	CAROLINE FARKAS, SYDNEY REIMER	12	25	Calm	None	
Condition 3.16	Tatelkuz Lake	TL LIM 3	10	387247	5905786	2025-10-30	Ecofish (D. Greenacre, K. Chantyman, M. Khorsandi, R. Kipol)	6.1	<10	Moderate	None	Cold and clear following snow/rain during previous two days

Table A2-2. Tatelkuz Lake Limnology - Water Quality Data

Program	Waterbody	Site	Date	Depth (m)	Temperature (°C) - Descending	Temperature (°C) - Ascending	DO (%) - Descending	DO (%) - Ascending	DO (mg/L) - Descending	DO (mg/L) - Ascending	Conductivity (µS/cm) - Descending	Conductivity (µS/cm) - Ascending	Specific Conductance (µS/cm) - Descending	Specific Conductance (µS/cm) - Ascending	pH - Descending	pH - Ascending	Comments
Condition 3.16	Tatelkuz Lake	TL BMC1	2025-03-08	0.38	2		101.02		12.26		79.8		142.5		8.55		
Condition 3.16	Tatelkuz Lake	TL BMC2	2025-03-08	1	2.6		81		9.8		80.4		140.8		8.25		
Condition 3.16	Tatelkuz Lake	TL BMC3	2025-03-08	1	2.6		82.2		9.92		80.7		140.9		8.25		
Condition 3.16	Tatelkuz Lake	TL BMC4	2025-03-08	0.5	2.2		95.5		11.66		83.9		148.6		8.35		
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-03-08	0	1.2	0	96.5	109.2	12.11	14.27	74.9	29.3	137.7		8.37	8.23	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-03-08	0.5	1.9	1.5	93.6	89.3	11.76	11.08	75.1	73.5	137.7	132.7	8.19	8.25	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-03-08	1	2.5	2.7	86.6	78.3	10.45	9.49	78.1	80.4	137.2	140.2	8.16	8.24	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-03-08	2	2.8	2.8	85.1	77.6	10.2	9.3	79.4	80.4	138.0	139.8	8.16	8.23	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-03-08	3	2.8	2.8	85.1	76.7	10.21	9.24	79.4	80.5	137.5	139.9	8.16	8.22	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-03-08	4	2.8	2.8	84.3	77.8	10.12	9.35	79.3	80.4	137.8	139.8	8.15	8.21	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-03-08	5	2.8	2.8	84	78.8	10.08	9.45	79.5	80.4	138.2	139.7	8.15	8.2	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-03-08	6	2.8	2.7	82.1	78.5	9.88	9.41	79.5	80.4	138.1	139.8	8.15	8.2	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-03-08	7	2.8	2.8	79	77.8	9.5	9.32	79.5	80.3	138.2	139.8	8.15	8.2	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-03-08	8	2.8	2.8	77.8	76.5	9.37	9.19	79.5	80.3	138.2	139.8	8.14	8.2	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-03-08	9	2.8	2.8	77.4	76.5	9.31	9.19	79.5	80.1	138.2	139.1	8.1	8.19	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-03-08	10	2.9	2.9	76.5	75.5	9.18	9.1	79.4	80.2	137.6	139.8	8.1	8.19	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-03-08	11	3	3	75.6	72.4	9.05	8.66	79.2	79.9	136.7	137.9	8.1	8.18	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-03-08	12	3	3	73.9	71.1	8.82	8.4	79.2	79.8	136.5	137.5	8.1	8.17	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-03-08	13	3.1	3.1	72.9	70.9	8.7	8.43	79.1	79.9	136.1	137.1	8.1	8.16	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-03-08	14	3.1	3.2	71.8	71.5	8.56	8.47	79.1	79.9	136.1	137.0	8.1	8.16	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-03-08	15	3.2	3.2	70.6	70.9	8.14	8.4	79.4	79.9	136.1	137.0	8.09	8.15	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-03-08	16	3.2	3.2	69.6	69.5	8.27	8.26	79.6	80	136.2	136.8	8	8.14	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-03-08	17	3.3	3.3	68.1	8.6	8.09	72.7	79.4	80	135.8	136.7	8.07	8.14	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-03-08	18	3.3	3.3	65.4	70.9	7.77	8.38	79.4	80.1	137.7	136.7	8.06	8.13	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-03-08	19	3.3	3.3	64.7	71	7.66	8.39	79.4	80.2	137.7	136.9	8.05	8.12	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-03-08	20	3.3	3.4	65.6	70.8	7.77	8.35	79.4	80.3	137.7	136.8	8.03	8.11	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-03-08	21	3.4	3.4	65.4	68.9	7.72	8.11	79.8	80.4	135.7	136.6	8.01	8.11	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-03-08	22	3.5	3.5	63.4	66.4	7.49	7.81	80	80.6	136.0	137.0	7.98	8.09	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-03-08	23	3.5	3.5	63.2	63.5	7.46	7.47	80	80.7	136.0	137.1	7.95	8.08	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-03-08	24	3.6	3.6	61.4	59.2	7.22	6.96	80.5	81.2	136.3	135.7	7.93	8.05	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-03-08	25	3.6	3.6	56	56.1	6.59	6.59	80.8	81.6	136.8	138.1	7.91	8.01	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-03-08	26	3.6	3.6	53.4	52.4	6.28	6.14	81	82.1	137.0	138.7	7.9	7.98	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-03-08	27	3.6	3.7	50.2	47.5	5.9	5.56	81.5	82	137.8	140.0	7.9	7.95	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-03-08	28	3.7	3.8	43	37.8	5.06	4.42	82.6	85.7	139.3	144.0	7.94	7.92	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-03-08	29	3.9	4	7.4	4.6	0.87	0.51	90.8	93.5	151.5	156.6	7.6	7.8	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-03-08	30	4	4	5.9	5.2	0.69	0.62	92.1	99.1	153.7	164.7	7.86	7.77	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-06-03	0.1	8.8	9.3	107.2	107.3	11.31	11.12	117	119.8	169.2	170.9	8.06	8.33	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-06-03	1	8.6	8.8	108	107.4	11.6	11.25	116.1	117.3	168.8	169.9	8.08	8.35	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-06-03	2	8.6	8.6	107.5	106.3	11.36	11.21	115.8	117.1	168.8	170.8	8.07	8.28	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-06-03	3	8.6	8.5	107.5	106.5	11.35	11.23	115.8	118	168.8	172.1	8.13	8.23	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-06-03	4	8.6	8.5	106.7	106.8	11.27	11.3	115.8	117.5	168.9	171.2	8.14	8.29	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-06-03	5	8.5	8.5	107	106.3	11.32	11.22	115.7	117.3	168.9	171.4	8.15	8.27	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-06-03	6	8.5	8.4	106.4	104.2	11.23	11.04	115.8	116.2	168.9	170.7	8.12	8.23	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-06-03	7	8.5	8.4	106	103.6	11.22	10.99	115.6	117.3	168.9	172.0	8.13	8.2	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-06-03	8	8.4	8.3	102	103.3	10.85	10.97	115.4	116.3	169.2	170.6	8.08	8.17	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-06-03	9	8	8.2	99.6	100.6	10.67	10.72	114.8	115.9	170.0	170.4	7.96	8.18	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-06-03	10	7.9	8.2	97.4	101.1	10.46	10.79	114.5	116.6	170.1	171.4	7.96	8.08	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-06-03	11	7.6	8	96.2	99.2	10.39	10.59	114	116	170.6	171.7	7.91	8.08	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-06-03	12	7	7.7	91.3	96.5	10.04	10.39	112.6	115.3	171.7	172.0	7.81	8.02	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-06-03	13	6.5	6.8	86.3	89.2	9.58	9.82	111.8	112.9	172.6	172.8	7.76	7.84	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-06-03	14	6.3	6.3	85.5	85.8	9.55	9.58	111.4	112.2	173.3	174.6	7.73	7.8	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-06-03	15	6.2	6.2	84.4	84.6	9.46	9.47	111.6	112.2	174.1	175.0	7.72	7.78	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-06-03	16	6	6.1	81.9	82.5	9.22	9.24	111.3	112.1	174.8	175.2	7.69	7.77	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-06-03	17	5.9	6	80.1	82.4	9.5	9.28	111.3	111.8	175.0	175.3	7.7	7.73	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-06-03	18	5.9	6	78.8	81.9	9.93	9.22	111.3	111.6	175.0	175.3	7.7	7.7	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-06-03	19	5.9	5.9	80.2	81	9	9.14	111.2	111.5	175.1	175.4	7.69	7.71	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-06-03	20	5.8	5.9	80.1	80.1	9.06	9.04	111	111.4	175.2	175.5	7.68	7.7	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-06-03	21	5.6	5.8	76.8	78.2	8.76	8.82	110.6	111.6	175.8	176.4	7.64	7.7	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-06-03	22	5.5	5.5	75.5	75.9	8.62	8.64	110.4	110.9	175.9	176.4	7.63	7.67	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-06-03	23	5.4	5.4	74.7	73.6	8.55	8.42	110.3	110.6	176.0	176.7	7.62	7.64	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-06-03	24	5.3	5.3	73.3	73.2	8.4	8.39	110	110.4	176.1	176.7	7.6	7.64	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-06-03	25	5.3	5.3	72.5	72.6	8.31	5.32	109.9	110.1	176.2	176.6	7.6	7.62	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-06-03	26	5.2	5.2	69.6	69.4	8.01	7.99	109.7	109.9	176.4	177.0	7.6	7.56	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-06-03	27	5.1	5.1	68.4	67.9	7.9	7.81	109.5	109.8	176.6	177.1	7.55	7.57	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-06-03	28	5	5	68.9	66	7.75	7.62	109.1	109.3	176.6	176.8	7.53	7.55	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-06-03	29	5	5	65.6	65.7	7.6	7.59	109.1	109.2	176.6	176.8	7.52	7.55	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-06-03	30	5	5	61	58.4	7.06	6.77	109.3	109.4	177.0	177.0	7.52	7.51	

Table A2-2. Tatelkuz Lake Limnology - Water Quality Data

Program	Waterbody	Site	Date	Depth (m)	Temperature (°C) - Descending	Temperature (°C) - Ascending	DO (%) - Descending	DO (%) - Ascending	DO (mg/L) - Descending	DO (mg/L) - Ascending	Conductivity (µS/cm) - Descending	Conductivity (µS/cm) - Ascending	Specific Conductance (µS/cm) - Descending	Specific Conductance (µS/cm) - Ascending	pH - Descending	pH - Ascending	Comments
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-08-20	0	16.4	16.4	111.4	108.7	9.76	9.61	139.1	138.3	149.5	148.5	8.85	9.06	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-08-20	1	16.4	16.3	110.4	108.6	9.78	9.71	138.9	138.1	149.4	148.5	8.85	9.07	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-08-20	2	16.3	16.3	102.5	102.6	9.16	9.15	139	138	149.4	148.5	8.87	9.06	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-08-20	3	16.3	16.3	104.1	101.6	9.3	9.1	139	137.8	149.6	148.4	8.94	9.05	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-08-20	4	16.3	16.2	105.6	98.8	9.48	8.8	139	137.9	149.6	148.6	8.96	8.99	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-08-20	5	16.3	16.1	101.5	93.5	9.01	8.51	139	137.9	149.5	149.1	8.9	8.88	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-08-20	6	16.2	15.7	102	92.6	9.05	8.34	139.2	137.2	150.0	149.4	8.86	8.66	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-08-20	7	16	15.2	90.1	87.7	8.06	7.95	139.4	135.4	151.1	149.3	8.66	8.36	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-08-20	8	15.4	13.9	82.9	78.3	7.47	7.33	138.2	131.6	151.3	149.0	8.43	7.88	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-08-20	9	13.7	10.1	73.5	55.6	6.93	5.66	132.7	118.5	150.5	146.4	7.84	7.38	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-08-20	10	11.2	9.1	66	52.3	6.56	5.46	126.5	115.9	150.4	146.4	7.54	7.49	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-08-20	11	9.6	8.3	60.2	52.4	6.24	5.58	118.8	113.6	148.6	146.4	7.44	7.38	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-08-20	12	8.6	7.5	54.6	48.5	5.77	5.2	116.5	111.6	148.9	146.7	7.4	7.42	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-08-20	13	7.8	7	52.6	47	5.66	5.18	113.9	110.1	148.5	146.8	7.36	7.41	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-08-20	14	7.1	6.5	46.9	45.3	5.18	5.04	111.5	109	148.2	146.9	7.37	7.41	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-08-20	15	6.66	6.4	48.6	46	5.41	5.16	110.1	108.7	148.0	146.9	7.33	7.41	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-08-20	16	6.5	6.3	47.1	46.2	5.24	5.16	109.6	108.4	147.9	147.0	7.31	7.32	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-08-20	17	6.4	6.2	47.4	47.3	5.3	5.29	109.5	108.3	147.8	147.1	7.33	7.4	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-08-20	18	6.3	6.1	42.7	45	4.78	5.05	109.2	108.1	147.9	147.2	7.31	7.4	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-08-20	19	6.2	6	44.4	44.7	4.99	5	108.9	107.9	147.5	147.1	7.31	7.39	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-08-20	20	6	6	45.6	45.7	5.14	5.13	108.4	107.8	147.9	147.2	7.33	7.4	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-08-20	21	5.9	5.9	45.1	49.5	5.09	5.59	108.2	107.6	147.7	147.1	7.29	7.39	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-08-20	22	5.9	5.9	45.7	46.8	5.2	5.27	108	107.5	147.8	147.2	7.32	7.38	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-08-20	23	5.8	5.8	41.3	44.9	4.69	5.06	107.9	107.5	148.0	147.3	7.3	7.38	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-08-20	24	5.8	5.8	41.1	42.9	4.67	4.87	107.5	107.5	147.9	147.4	7.33	7.36	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-08-20	25	5.8	5.8	42	42.1	4.79	4.77	107.6	107.3	147.8	147.4	7.3	7.37	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-08-20	26	5.7	5.7	37.5	40.8	4.26	4.63	107.7	107.3	148	147.5	7.29	7.36	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-08-20	27	5.7	5.6	32.6	32.5	3.71	3.7	107.6	107.4	148.1	148	7.25	7.35	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-08-20	28	5.6	5.6	26.1	27.4	3	3.16	108.5	108.6	149.7	149.7	7.27	7.37	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-08-20	29	5.6	5.6	25	24.8	2.86	2.86	109.3	108.7	150.7	150.2	7.27	7.47	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-08-20	30	5.6	5.6	22.3	20.7	2.56	2.38	110.5	110.6	152.4	152.6	7.31	7.33	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-10-30	0	7	7.1	67.1	66.9	8.13	8.1	105	105	160	160	7.56	7.5	Conductivity and Sp. conductance originally recorded in milliseimens rather than microseimens per cm.
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-10-30	1	7	7.1	67	66.8	8.12	8.09	105	105	190	160	7.55	7.5	Conductivity and Sp. conductance originally recorded in milliseimens rather than microseimens per cm.
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-10-30	2	7	7.1	67	66.8	8.12	8.09	105	105	160	159	7.55	7.51	Conductivity and Sp. conductance originally recorded in milliseimens rather than microseimens per cm.
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-10-30	3	7	7.1	66.8	66.5	8.1	8.06	105	105	159	160	7.52	7.51	Conductivity and Sp. conductance originally recorded in milliseimens rather than microseimens per cm.
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-10-30	4	7	7.1	66.9	66.5	8.1	8.06	105	105	159	160	7.5	7.51	Conductivity and Sp. conductance originally recorded in milliseimens rather than microseimens per cm.
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-10-30	5	7	7.1	66.8	66.5	8.1	8.06	105	105	160	160	7.49	7.51	Conductivity and Sp. conductance originally recorded in milliseimens rather than microseimens per cm.
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-10-30	6	7	7.1	66.8	66.4	8.09	8.05	105	105	159	160	7.5	7.51	Conductivity and Sp. conductance originally recorded in milliseimens rather than microseimens per cm.
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-10-30	7	7	7.1	66.7	66.3	8.07	8.04	105	105	159	159	7.5	7.51	Conductivity and Sp. conductance originally recorded in milliseimens rather than microseimens per cm.
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-10-30	8	7.1	7.1	66.5	66.3	8.05	8.03	105	105	160	159	7.49	7.51	Conductivity and Sp. conductance originally recorded in milliseimens rather than microseimens per cm.
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-10-30	9	7.1	7.1	66.4	66.3	8.05	8.03	105	105	159	160	7.47	7.51	Conductivity and Sp. conductance originally recorded in milliseimens rather than microseimens per cm.
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-10-30	10	7.1	7.1	66.4	66.2	8.05	8.02	105	105	159	160	7.54	7.5	Conductivity and Sp. conductance originally recorded in milliseimens rather than microseimens per cm.
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-10-30	11	7.1	7.1	66.2	66.2	8.02	8.02	105	105	159	160	7.56	7.51	Conductivity and Sp. conductance originally recorded in milliseimens rather than microseimens per cm.
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-10-30	12	7.1	7.1	66	66.2	8	8.02	105	105	160	160	7.54	7.51	Conductivity and Sp. conductance originally recorded in milliseimens rather than microseimens per cm.
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-10-30	13	7.1	7.1	66	66.2	8	8.02	105	105	159	160	7.53	7.52	Conductivity and Sp. conductance originally recorded in milliseimens rather than microseimens per cm.
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-10-30	14	7	7.1	66	66.1	7.99	8.01	105	105	160	160	7.53	7.52	Conductivity and Sp. conductance originally recorded in milliseimens rather than microseimens per cm.
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-10-30	15	7	7.1	65.9	66.1	7.98	8.01	105	105	160	160	7.52	7.53	Conductivity and Sp. conductance originally recorded in milliseimens rather than microseimens per cm.
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-10-30	16	7	7.1	65.8	65.9	7.98	7.99	105	105	160	160	7.52	7.55	Conductivity and Sp. conductance originally recorded in milliseimens rather than microseimens per cm.

Table A2-2. Tatelkuz Lake Limnology - Water Quality Data																	
Program	Waterbody	Site	Date	Depth (m)	Temperature (°C) - Descending	Temperature (°C) - Ascending	DO (%) - Descending	DO (%) - Ascending	DO (mg/L) - Descending	DO (mg/L) - Ascending	Conductivity (µS/cm) - Descending	Conductivity (µS/cm) - Ascending	Specific Conductance (µS/cm) - Descending	Specific Conductance (µS/cm) - Ascending	pH - Descending	pH - Ascending	Comments
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-10-30	17	7	7	65.8	65.8	7.98	7.97	105	105	160	160	7.52	7.54	Conductivity and Sp. conductance originally recorded in milliseimens rather than microseimens per cm.
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-10-30	18	7	7.1	65.8	65.7	7.98	7.97	105	105	159	160	7.51	7.51	Conductivity and Sp. conductance originally recorded in milliseimens rather than microseimens per cm.
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-10-30	19	7	7	65.8	65.8	7.97	7.97	105	105	160	160	7.51	7.5	Conductivity and Sp. conductance originally recorded in milliseimens rather than microseimens per cm.
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-10-30	20	7.1	7.1	65.8	65.7	7.97	7.97	105	105	160	160	7.51	7.5	Conductivity and Sp. conductance originally recorded in milliseimens rather than microseimens per cm.
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-10-30	21	7	7.1	65.8	65.7	7.98	7.96	105	105	160	160	7.5	7.49	Conductivity and Sp. conductance originally recorded in milliseimens rather than microseimens per cm.
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-10-30	22	7	7.1	65.8	65.7	7.98	7.96	105	105	160	160	7.5	7.48	Conductivity and Sp. conductance originally recorded in milliseimens rather than microseimens per cm.
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-10-30	23	7.1	7.1	65.8	65.7	7.97	7.96	105	105	160	160	7.5	7.48	Conductivity and Sp. conductance originally recorded in milliseimens rather than microseimens per cm.
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-10-30	24	7.1	7	65.7	65.7	7.97	7.96	105	105	160	160	7.5	7.48	Conductivity and Sp. conductance originally recorded in milliseimens rather than microseimens per cm.
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-10-30	25	7	7	65.8	65.7	7.97	7.96	105	105	160	160	7.5	7.48	Conductivity and Sp. conductance originally recorded in milliseimens rather than microseimens per cm.
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-10-30	26	7	7	65.8	65.7	7.97	7.96	105	105	160	160	7.5	7.48	Conductivity and Sp. conductance originally recorded in milliseimens rather than microseimens per cm.
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-10-30	27	7	7	65.7	65.7	7.96	7.96	105	105	160	160	7.5	7.48	Conductivity and Sp. conductance originally recorded in milliseimens rather than microseimens per cm.
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-10-30	28	7.01	7.01	65.7	65.7	7.96	7.96	105	105	160	160	7.48	7.48	Conductivity and Sp. conductance originally recorded in milliseimens rather than microseimens per cm.
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-10-30	29													Erratic readings from YSI on reaching this depth

Table A2-3. Tatelkuz Lake Limnology - Secchi Disk Depth Data

Program	Waterbody	Site	Date	Max Depth (m)	Secchi Depth (m) - descending	Secchi Depth (m) - ascending	Secchi Depth (m) - average
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-06-03	30	4.28	4.17	4.23
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-08-20	30	2.34	2.30	2.32
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-10-30	31	4.75	4.50	4.63

Table A2-4. Tatelkuz Lake Limnology - Winter Habitat Data

Program	Waterbody	Site	Date	Max Depth (m)	Ice Depth (m)	Snow Depth (m)	Ice Condition	Comments
Condition 3.16	Tatelkuz Lake	TL BMC1	2025-03-08	0.76	0.42	0.05	Stable, cloudy and clear layers, top slush layer	
Condition 3.16	Tatelkuz Lake	TL BMC2	2025-03-08	1.7	0.4	0.06	Stable, cloudy slush layers	
Condition 3.16	Tatelkuz Lake	TL BMC3	2025-03-08	1.8	0.41	0.08	Stable, cloudy slush layers	
Condition 3.16	Tatelkuz Lake	TL BMC4	2025-03-08	0.55	0.31	0.05	Stable, cloudy slush layers	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-03-08	30	0.45	0.03	Stable, clear layers, slush layer at surface	

Table A2-5. Tatelkuz Lake Limnology - Lab Results Nitrogen and Phosphorous

Program	Waterbody	Site	Sample Date	Detection Limit - Nitrogen	Detection Limit - Phosphorous	Total Nitrogen (mg/L)	Total Phosphorous (mg/L)	Comments
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-08-03	0.030	0.0020	0.416	0.0326	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-06-03	0.030	0.0020	0.306	0.0151	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-08-20	0.030	0.0020	0.421	0.0165	
Condition 3.16	Tatelkuz Lake	TL LIM 3	2025-10-30	0.030	0.0020	0.366	0.0312	

Table A2-6. Tatelkuz Lake Littoral Fish and Fish Habitat - Site Information

Program	Waterbody	Site	Eastern Extent UTM Zone	Eastern Extent UTM Easting	Eastern Extent UTM Northing	Western Extent UTM Zone	Western Extent UTM Easting	Western Extent UTM Northing
Condition 3.16	Tatelkuz Lake	TLLit1	10	385763	5907819	10	385720	5907838
Condition 3.16	Tatelkuz Lake	TLLit2	10	389312	5902966	10	389284	5902982
Condition 3.16	Tatelkuz Lake	TLLit3	10	389701	5902536	10	389682	5902550
Condition 3.16	Tatelkuz Lake	TLLit4	10	390786	5900836	10	390769	5900872
Condition 3.16	Tatelkuz Lake	TLLit5	10	389843	5903950	10	389818	5903954
Condition 3.16	Tatelkuz Lake	TLLit6	10	391804	5901994	10	391791	5902033
Condition 3.16	Tatelkuz Lake	TLLit7	10	391376	5901256	10	391369	5901223
Condition 3.16	Tatelkuz Lake	TLLit8	10	390253	5902979	10	390269	5903008
Condition 3.16	Tatelkuz Lake	TLLit9	10	387720	5904615	10	387697	5904645
Condition 3.16	Tatelkuz Lake	TLLit10	10	391158	5902375	10	391117	5902378
Condition 3.16	Tatelkuz Lake	TLLit11	10	388277	5904237	10	388231	5904239

Table A2-7. Tatelkuz Lake Littoral Fish and Fish Habitat - Survey Information

Program	Waterbody	Site	Survey Date	Crew Names	Air Temperature (°C)	Cloud Cover (%)	Wind	Precipitation	Survey Type	Comments
Condition 3.16	Tatelkuz Lake	TLLit1	2025-07-14	JESSICA COURTIER, CHRISTIAN CARNEVALE, JAMES GEORGE	15	75	Moderate	None	Larval Fish Sampling	Soft silty substrate, some small woody debris
Condition 3.16	Tatelkuz Lake	TLLit2	2025-07-14	JESSICA COURTIER, CHRISTIAN CARNEVALE, JAMES GEORGE	18	50	Moderate	None	Larval Fish Sampling	
Condition 3.16	Tatelkuz Lake	TLLit3	2025-07-14	JESSICA COURTIER, CHRISTIAN CARNEVALE, JAMES GEORGE	18	50	Calm	None	Larval Fish Sampling	
Condition 3.16	Tatelkuz Lake	TLLit4	2025-07-15	JESSICA COURTIER, CHRISTIAN CARNEVALE, JAMES GEORGE	25	25	Calm	None	Larval Fish Sampling	Aquatic vegetation present. Shallow bay. Fish observed.
Condition 3.16	Tatelkuz Lake	TLLit5	2025-07-15	JESSICA COURTIER, CHRISTIAN CARNEVALE, JAMES GEORGE	30	25	Calm	None	Larval Fish Sampling	Gravels, steep shoreline
Condition 3.16	Tatelkuz Lake	TLLit6	2025-07-15	JESSICA COURTIER, CHRISTIAN CARNEVALE, JAMES GEORGE	30	0	Calm	None	Larval Fish Sampling	
Condition 3.16	Tatelkuz Lake	TLLit7	2025-07-15	JESSICA COURTIER, CHRISTIAN CARNEVALE, JAMES GEORGE	25	25	Calm	None	Larval Fish Sampling	Large boulder substrates with some gravels
Condition 3.16	Tatelkuz Lake	TLLit8	2025-07-14	JESSICA COURTIER, CHRISTIAN CARNEVALE, JAMES GEORGE	18	50	Light	None	Larval Fish Sampling	
Condition 3.16	Tatelkuz Lake	TLLit9	2025-07-14	JESSICA COURTIER, CHRISTIAN CARNEVALE, JAMES GEORGE	18	75	Light	None	Larval Fish Sampling	Cobble gravel substrates
Condition 3.16	Tatelkuz Lake	TLLit10	2025-07-15	JESSICA COURTIER, CHRISTIAN CARNEVALE, JAMES GEORGE	30	25	Light	None	Larval Fish Sampling	
Condition 3.16	Tatelkuz Lake	TLLit11	2025-07-14	JESSICA COURTIER, CHRISTIAN CARNEVALE, JAMES GEORGE	18	50	Light	None	Larval Fish Sampling	
Condition 3.16	Tatelkuz Lake	TLLit1	2025-08-12	JESSICA COURTIER, SYDNEY UMLAH, JAMES GEORGE	25	50	Light	None	Adult Fish Sampling	
Condition 3.16	Tatelkuz Lake	TLLit2	2025-08-15	JESSICA COURTIER, SYDNEY UMLAH, JAMES GEORGE	18	75	Calm	None	Adult Fish Sampling	
Condition 3.16	Tatelkuz Lake	TLLit3	2025-08-15	JESSICA COURTIER, SYDNEY UMLAH, JAMES GEORGE	18	75	Moderate	None	Adult Fish Sampling	
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	JESSICA COURTIER, SYDNEY UMLAH, JAMES GEORGE	22	25	Light	None	Adult Fish Sampling and Fish Habitat	
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	JESSICA COURTIER, SYDNEY UMLAH, JAMES GEORGE	18	25	Calm	None	Adult Fish Sampling	
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	JESSICA COURTIER, SYDNEY UMLAH, JAMES GEORGE	18	100	Light	None	Adult Fish Sampling	
Condition 3.16	Tatelkuz Lake	TLLit7	2025-08-15	JESSICA COURTIER, SYDNEY UMLAH, JAMES GEORGE	18	100	Moderate	None	Adult Fish Sampling	
Condition 3.16	Tatelkuz Lake	TLLit8	2025-08-14	JESSICA COURTIER, SYDNEY UMLAH, JAMES GEORGE	18	75	Light	None	Adult Fish Sampling	
Condition 3.16	Tatelkuz Lake	TLLit9	2025-08-12	JESSICA COURTIER, SYDNEY UMLAH, JAMES GEORGE	20	50	Moderate	None	Adult Fish Sampling	
Condition 3.16	Tatelkuz Lake	TLLit10	2025-08-14	JESSICA COURTIER, SYDNEY UMLAH, JAMES GEORGE	18	100	Light	None	Adult Fish Sampling	
Condition 3.16	Tatelkuz Lake	TLLit11	2025-08-12	JESSICA COURTIER, SYDNEY UMLAH, JAMES GEORGE	20	50	Strong	None	Adult Fish Sampling	
Condition 3.16	Tatelkuz Lake	TLLit1	2025-08-17	JESSICA COURTIER, SYDNEY UMLAH, JAMES GEORGE	20	75	Calm	Intermittent Rain Shower	Fish Habitat	
Condition 3.16	Tatelkuz Lake	TLLit2	2025-08-16	JESSICA COURTIER, SYDNEY UMLAH, JAMES GEORGE	18	100	Calm	None	Fish Habitat	
Condition 3.16	Tatelkuz Lake	TLLit3	2025-08-16	JESSICA COURTIER, SYDNEY UMLAH, JAMES GEORGE	18	100	Light	None	Fish Habitat	
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-17	JESSICA COURTIER, SYDNEY UMLAH, JAMES GEORGE	20	50	Calm	None	Fish Habitat	
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-17	JESSICA COURTIER, SYDNEY UMLAH, JAMES GEORGE	15	50	Calm	None	Fish Habitat	Algal growth present
Condition 3.16	Tatelkuz Lake	TLLit7	2025-08-16	JESSICA COURTIER, SYDNEY UMLAH, JAMES GEORGE	18	100	Light	None	Fish Habitat	
Condition 3.16	Tatelkuz Lake	TLLit8	2025-08-17	JESSICA COURTIER, SYDNEY UMLAH, JAMES GEORGE	15	75	Calm	Intermittent Rain Shower	Fish Habitat	
Condition 3.16	Tatelkuz Lake	TLLit9	2025-08-16	JESSICA COURTIER, SYDNEY UMLAH, JAMES GEORGE	15	100	Calm	None	Fish Habitat	
Condition 3.16	Tatelkuz Lake	TLLit10	2025-08-16	JESSICA COURTIER, SYDNEY UMLAH, JAMES GEORGE	18	75	Moderate	None	Fish Habitat	
Condition 3.16	Tatelkuz Lake	TLLit11	2025-08-13	JESSICA COURTIER, SYDNEY UMLAH, JAMES GEORGE	25	50	Light	None	Fish Habitat	

Table A2-8. Tatelkuz Lake Littoral Fish and Fish Habitat - Water Quality Data

Program	Waterbody	Site	Date	Depth (m)	Temperature (°C)	pH	Dissolved Oxygen (mg/L)	Dissolved Oxygen (% saturation)	Specific Conductance (µS/cm)	Conductivity (µS/cm)	Turbidity (NTU)	Water Quality Comments
Condition 3.16	Tatelkuz Lake	TLLit1	2025-07-14	0.10	16.1	8.42	8.28	92.6	158.6	131.7	5.45	
Condition 3.16	Tatelkuz Lake	TLLit2	2025-07-14	0.10	17.1	8.48	9.55	109.7	158.7	134.8	0.45	
Condition 3.16	Tatelkuz Lake	TLLit3	2025-07-14	0.10	17.0	8.50	9.19	106.1	158.4	134.2	0.49	
Condition 3.16	Tatelkuz Lake	TLLit4	2025-07-15	0.10	23.0	8.52	8.00	105.4	154.2	148.1	8.21	
Condition 3.16	Tatelkuz Lake	TLLit5	2025-07-15	0.10	18.3	8.50	-	-	155.9	136.4	3.04	Dissolved oxygen sensor not functioning properly
Condition 3.16	Tatelkuz Lake	TLLit6	2025-07-15	0.10	23.6	8.65	-	-	162.9	158.8	1.05	Dissolved oxygen sensor not functioning properly
Condition 3.16	Tatelkuz Lake	TLLit7	2025-07-15	0.10	20.2	8.87	-	-	153.5	139.6	4.93	Dissolved oxygen sensor not functioning properly
Condition 3.16	Tatelkuz Lake	TLLit8	2025-07-14	0.10	17.4	8.41	9.00	104.7	158.9	135.2	0.12	
Condition 3.16	Tatelkuz Lake	TLLit9	2025-07-14	0.10	17.0	8.48	9.43	107	158.3	134	1.00	
Condition 3.16	Tatelkuz Lake	TLLit10	2025-07-15	0.10	19.4	8.55	-	-	155.8	139.5	2.40	Dissolved oxygen sensor not functioning properly
Condition 3.16	Tatelkuz Lake	TLLit11	2025-07-14	0.10	16.6	8.44	9.27	104.5	158.9	133.3	2.28	
Condition 3.16	Tatelkuz Lake	TLLit1	2025-08-12	0.05	18.9	9.05	10.50	-	144.9	127.6	-	
Condition 3.16	Tatelkuz Lake	TLLit1	2025-08-12	0.50	18.3	9.02	10.72	-	144.7	126.2	-	
Condition 3.16	Tatelkuz Lake	TLLit2	2025-08-15	0.10	17.6	8.90	9.22	109	141	121.1	-	
Condition 3.16	Tatelkuz Lake	TLLit2	2025-08-15	0.50	17.6	8.90	9.38	110.8	141	121.1	-	
Condition 3.16	Tatelkuz Lake	TLLit2	2025-08-15	1.00	17.6	8.88	9.35	110.2	140.9	121	-	
Condition 3.16	Tatelkuz Lake	TLLit3	2025-08-15	0.10	17.8	8.96	9.30	110.2	140.9	121.6	-	
Condition 3.16	Tatelkuz Lake	TLLit3	2025-08-15	0.50	17.8	8.95	9.27	109.5	140.9	121.6	-	
Condition 3.16	Tatelkuz Lake	TLLit3	2025-08-15	1.00	17.8	8.93	9.43	111.3	140.9	121.6	-	
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	0.05	18.5	8.93	8.70	105.8	143	125.1	-	
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	0.50	18.5	8.92	8.72	105.7	142.9	125.1	-	
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	1.00	18.3	8.95	8.98	106.7	142.5	124.5	-	
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	0.05	18.3	8.96	9.23	109.7	144.4	125.8	-	
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	0.50	18.3	8.96	9.39	111.9	144.3	126	-	
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	1.00	18.3	8.96	9.30	111.5	144.3	126	-	
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	0.10	18.4	9.06	8.80	104.9	145.1	127	-	
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	0.50	18.4	9.04	9.20	108.1	145	126.8	-	
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	1.00	18.4	9.03	9.05	107.1	144.9	126.7	-	
Condition 3.16	Tatelkuz Lake	TLLit7	2025-08-15	0.10	18.0	9.04	9.68	115.1	140.6	121.8	-	
Condition 3.16	Tatelkuz Lake	TLLit7	2025-08-15	0.50	17.9	9.03	9.68	115.1	140.7	121.8	-	
Condition 3.16	Tatelkuz Lake	TLLit7	2025-08-15	1.00	17.9	8.94	9.45	111.1	141.3	121.8	-	
Condition 3.16	Tatelkuz Lake	TLLit8	2025-08-14	0.10	18.3	8.96	8.47	100.4	144.7	126.3	-	
Condition 3.16	Tatelkuz Lake	TLLit8	2025-08-14	0.50	18.3	8.95	8.45	99.1	144.7	126.3	-	
Condition 3.16	Tatelkuz Lake	TLLit8	2025-08-14	1.00	18.3	8.94	8.65	99.8	144.6	126.1	-	
Condition 3.16	Tatelkuz Lake	TLLit9	2025-08-12	0.10	18.5	8.90	9.35	115.8	146.1	128.1	-	
Condition 3.16	Tatelkuz Lake	TLLit9	2025-08-12	0.50	18.6	8.87	9.35	111.1	145.9	128.1	-	
Condition 3.16	Tatelkuz Lake	TLLit9	2025-08-12	1.00	18.6	8.90	9.40	111.5	146.1	128.1	-	
Condition 3.16	Tatelkuz Lake	TLLit10	2025-08-14	0.10	18.4	9.00	8.99	107	144.7	126.6	-	
Condition 3.16	Tatelkuz Lake	TLLit10	2025-08-14	0.50	18.5	9.01	9.07	108.4	144.7	126.7	-	
Condition 3.16	Tatelkuz Lake	TLLit10	2025-08-14	1.00	18.5	9.01	8.75	107.5	144.6	126.6	-	
Condition 3.16	Tatelkuz Lake	TLLit11	2025-08-12	0.10	18.7	8.90	8.99	107.6	146.7	129.1	-	
Condition 3.16	Tatelkuz Lake	TLLit11	2025-08-12	0.50	18.7	8.90	9.07	108.5	146.6	129	-	
Condition 3.16	Tatelkuz Lake	TLLit11	2025-08-12	1.00	18.7	8.89	8.90	107	146.6	129	-	

Table A2-9. Tatelkuz Lake Littoral Fish and Fish Habitat - Seine Net Effort

Program	Waterbody	Site	Start Date	End Date	Start Time	End Time	Method	Set Number	Haul	Set Start Depth (m)	Set End Depth (m)	Set Length (m)	Net Length (m)	Net Height (m)	Mesh Size	Total Fish Captured	Comments
Condition 3.16	Tatelkuz Lake	TLLit1	2025-07-14	2025-07-14	11:43	11:44	Seining	1	1	0.32	0.48	20	2	1	0.5	13	
Condition 3.16	Tatelkuz Lake	TLLit2	2025-07-14	2025-07-14	14:22	14:24	Seining	2	1	0.53	0.72	20	2	1	0.5	1	
Condition 3.16	Tatelkuz Lake	TLLit3	2025-07-14	2025-07-14	14:52	14:54	Seining	3	1	0.64	0.76	20	2	1	0.5	2	
Condition 3.16	Tatelkuz Lake	TLLit4	2025-07-15	2025-07-15	13:16	13:18	Seining	4	1	0.14	0.27	20	2	1	0.5	95	
Condition 3.16	Tatelkuz Lake	TLLit5	2025-07-15	2025-07-15	16:04	16:08	Seining	5	1	0.52	0.40	20	2	1	0.5	2	
Condition 3.16	Tatelkuz Lake	TLLit6	2025-07-15	2025-07-15	15:03	15:06	Seining	6	1	0.35	0.26	20	2	1	0.5	9	
Condition 3.16	Tatelkuz Lake	TLLit7	2025-07-15	2025-07-15	14:31	14:34	Seining	7	1	0.89	0.69	20	2	1	0.5	22	Site not overly conducive to seining. Large boulder substrates
Condition 3.16	Tatelkuz Lake	TLLit8	2025-07-14	2025-07-14	15:26	15:28	Seining	8	1	0.66	0.70	20	2	1	0.5	7	
Condition 3.16	Tatelkuz Lake	TLLit9	2025-07-14	2025-07-14	13:11	13:14	Seining	9	1	0.54	0.50	20	2	1	0.5	2	
Condition 3.16	Tatelkuz Lake	TLLit10	2025-07-15	2025-07-15	15:30	15:34	Seining	10	1	0.55	0.40	20	2	1	0.5	14	Gravel cobble steeper shoreline
Condition 3.16	Tatelkuz Lake	TLLit11	2025-07-14	2025-07-14	13:39	13:43	Seining	11	1	0.54	0.58	20	2	1	0.5	5	
Condition 3.16	Tatelkuz Lake	TLLit1	2025-08-12	2025-08-12	14:34	14:38	Seining	1	1	0.10	0.50	20	10	2	3	41	
Condition 3.16	Tatelkuz Lake	TLLit1	2025-08-12	2025-08-12	15:30	15:35	Seining	1	2	0.10	0.50	20	10	2	3	40	
Condition 3.16	Tatelkuz Lake	TLLit2	2025-08-15	2025-08-15	09:04	09:06	Seining	2	1	0.10	1.30	20	10	2	3	33	Site drops off quickly
Condition 3.16	Tatelkuz Lake	TLLit2	2025-08-15	2025-08-15	09:38	09:40	Seining	2	2	0.10	1.00	20	10	2	3	7	Very slippery large cobble substrate,
Condition 3.16	Tatelkuz Lake	TLLit3	2025-08-15	2025-08-15	10:14	10:16	Seining	3	1	0.10	1.00	20	10	2	3	6	Large cobble substrate, extremely slippery. Cobbles caught in seine during pull
Condition 3.16	Tatelkuz Lake	TLLit3	2025-08-15	2025-08-15	10:30	10:32	Seining	3	2	0.10	1.00	20	10	2	3	1	
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	2025-08-13	08:50	08:53	Seining	4	1	0.10	0.30	20	10	2	3	132	
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	2025-08-13	10:15	10:19	Seining	4	2	0.10	0.30	20	10	2	3	180	
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	2025-08-14	08:31	08:34	Seining	5	1	0.10	2.50	20	10	2	3	8	Shore is extremely steep and not conducive to beach seining on foot. Boat used to tow offshore end of seine.
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	2025-08-14	08:57	09:00	Seining	5	2	0.10	1.25	20	10	2	3	220	
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	2025-08-14	13:11	13:15	Seining	6	1	0.10	0.10	20	10	2	3	158	
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	2025-08-14	14:12	14:12	Seining	6	2	0.10	0.10	20	10	2	3	588	
Condition 3.16	Tatelkuz Lake	TLLit7	2025-08-15	2025-08-15	11:20	11:22	Seining	7	1	0.50	1.25	20	10	2	3	66	
Condition 3.16	Tatelkuz Lake	TLLit7	2025-08-15	2025-08-15	12:02	12:04	Seining	7	2	0.50	1.10	20	10	2	3	8	
Condition 3.16	Tatelkuz Lake	TLLit8	2025-08-14	2025-08-14	10:32	10:35	Seining	8	1	0.10	1.25	20	10	2	3	23	
Condition 3.16	Tatelkuz Lake	TLLit8	2025-08-14	2025-08-14	10:56	10:59	Seining	8	2	0.10	1.25	20	10	2	3	25	
Condition 3.16	Tatelkuz Lake	TLLit9	2025-08-12	2025-08-12	10:00	10:05	Seining	9	1	0.10	1.50	20	10	2	3	11	
Condition 3.16	Tatelkuz Lake	TLLit9	2025-08-12	2025-08-12	10:09	10:13	Seining	9	2	0.10	1.50	20	10	2	3	6	
Condition 3.16	Tatelkuz Lake	TLLit10	2025-08-14	2025-08-14	11:42	11:45	Seining	10	1	0.10	1.00	20	10	2	3	39	
Condition 3.16	Tatelkuz Lake	TLLit10	2025-08-14	2025-08-14	12:11	12:15	Seining	10	2	0.10	1.30	20	10	2	3	46	
Condition 3.16	Tatelkuz Lake	TLLit11	2025-08-12	2025-08-12	11:19	11:26	Seining	11	1	0.10	1.25	20	10	2	3	69	
Condition 3.16	Tatelkuz Lake	TLLit11	2025-08-12	2025-08-12	12:24	12:32	Seining	11	2	0.10	1.25	20	10	2	3	36	

Program	Waterbody	Site	Date	Sampling Method	Set Number	Pass	Count	Species	Fish ID	Length (mm)	Weight (g)	Fulton's Condition Factor	Stage	Activity	Sex	Maturity	Tags/Marks Present at Capture	Tags/Marks Applied	Parasites	DELTS	Fate	Mortality Cause	Comments	DELTS - Deformities	DELTS - Deformity Comment
Condition 3.16	Tatelkuz Lake	TLLit1	2025-07-14	Seining	1	1	1	Prickly Sculpin	TLLit1-250714-CAS-AC34	15	-	-	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive	Weight less than 0.1 q. Does not register on scale		
Condition 3.16	Tatelkuz Lake	TLLit1	2025-07-14	Seining	1	1	1	Prickly Sculpin	TLLit1-250714-CAS-4FBE	11	-	-	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit1	2025-07-14	Seining	1	1	1	Prickly Sculpin	TLLit1-250714-CAS-B969	20	-	-	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit1	2025-07-14	Seining	1	1	1	Prickly Sculpin	TLLit1-250714-CAS-39CC	14	-	-	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit1	2025-07-14	Seining	1	1	1	Prickly Sculpin	TLLit1-250714-CAS-0100	21	-	-	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit1	2025-07-14	Seining	1	1	1	Prickly Sculpin	TLLit1-250714-CAS-9191	13	-	-	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit1	2025-07-14	Seining	1	1	1	Prickly Sculpin	TLLit1-250714-CAS-2901	15	-	-	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit1	2025-07-14	Seining	1	1	1	Prickly Sculpin	TLLit1-250714-CAS-8A1F	11	-	-	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit1	2025-07-14	Seining	1	1	1	Prickly Sculpin	TLLit1-250714-CAS-D24A	11	-	-	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit1	2025-07-14	Seining	1	1	1	Prickly Sculpin	TLLit1-250714-CAS-EF7C	13	-	-	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit1	2025-07-14	Seining	1	1	1	Prickly Sculpin	TLLit1-250714-CAS-DC52	11	-	-	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit1	2025-07-14	Seining	1	1	1	Prickly Sculpin	TLLit1-250714-CAS-3E30	15	-	-	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit1	2025-07-14	Seining	1	1	1	Prickly Sculpin	TLLit1-250714-CAS-8E5E	13	-	-	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit2	2025-07-14	Seining	2	1	1	Prickly Sculpin	TLLit2-250714-CAS-6353	12	-	-	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit3	2025-07-14	Seining	3	1	1	Prickly Sculpin	TLLit3-250714-CAS-230E	13	-	-	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit3	2025-07-14	Seining	3	1	1	Prickly Sculpin	TLLit3-250714-CAS-9DEF	12	-	-	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-07-15	Seining	4	1	87	Minnow (General)	-	-	-	-	Fry	Rearing	Undetermined	Immature	None	N/A	None	None	Mortality	Capture trauma			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-07-15	Seining	4	1	1	Prickly Sculpin	TLLit4-250715-CAS-BE4B	13	-	-	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-07-15	Seining	4	1	1	Prickly Sculpin	TLLit4-250715-CAS-1787	16	-	-	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-07-15	Seining	4	1	1	Prickly Sculpin	TLLit4-250715-CAS-66CE	14	-	-	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-07-15	Seining																					

Table A2-10. Tatelkuz Lake Littoral Fish and Fish Habitat - Individual Fish Data

Table 10: Tattletail Lake Littoral Fish and Fish Habitat - Individual Fish Data																								
Program	Waterbody	Site	Date	Sampling Method	Set Number	Pass Count	Species	Fish ID	Length (mm)	Weight (g)	Fulton's Condition Factor	Stage	Activity	Sex	Maturity	Tags/Marks Present at Capture	Tags/Marks Applied	Parasites	DELTS	Fate	Mortality Cause	Comments	DELTS - Deformities	DELTS - Deformity Comment
Condition 3.16	Tatelkuz Lake	TLLit2	2025-08-15	Seining	2	1	1	Sculpin (General)	TLLit2-250815-CC-E69A	16	-	-	Juvenile	Rearinq	Undetermined	Immature	None	N/A	None	None	Mortality	Capture trauma		
Condition 3.16	Tatelkuz Lake	TLLit2	2025-08-15	Seining	2	2	1	Sucker (General)	TLLit2-250815-SU-4D98	28	0.2	0.91	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit2	2025-08-15	Seining	2	2	1	Minnow (General)	TLLit2-250815-C-0ED4	19	-	-	Fry	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit2	2025-08-15	Seining	2	2	1	Sucker (General)	TLLit2-250815-SU-1BA4	23	0.1	0.82	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit2	2025-08-15	Seining	2	2	1	Sucker (General)	TLLit2-250815-SU-F565	29	0.2	0.82	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit2	2025-08-15	Seining	2	2	1	Prickly Sculpin	TLLit2-250815-CAS-3F6D	26	0.2	1.14	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit2	2025-08-15	Seining	2	2	1	Sucker (General)	TLLit2-250815-SU-F5FD	29	0.2	0.82	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit2	2025-08-15	Seining	2	2	1	Prickly Sculpin	TLLit2-250815-CAS-66DA	25	0.2	1.28	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit3	2025-08-15	Seining	3	1	1	Sucker (General)	TLLit3-250815-SU-7D1B	27	0.2	1.02	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit3	2025-08-15	Seining	3	1	1	Lake Chub	TLLit3-250815-LKC-AD7F	45	0.6	0.66	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit3	2025-08-15	Seining	3	1	1	Prickly Sculpin	TLLit3-250815-CAS-6AD7	23	0.1	0.82	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit3	2025-08-15	Seining	3	1	1	Prickly Sculpin	TLLit3-250815-CAS-27FE	24	0.2	1.45	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit3	2025-08-15	Seining	3	1	1	Prickly Sculpin	TLLit3-250815-CAS-B6AB	24	0.1	0.72	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit3	2025-08-15	Seining	3	1	1	Prickly Sculpin	TLLit3-250815-CAS-2C16	18	0.1	1.71	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit3	2025-08-15	Seining	3	2	1	Prickly Sculpin	TLLit3-250815-CAS-F7A4	20	0.1	1.25	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-4C13	28	0.2	0.91	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-4A7A	26	0.2	1.14	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-F429	25	0.1	0.64	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-AC72	25	0.2	1.28	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-0141	24	0.1	0.72	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-B1F0	28	0.3	1.37	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-E0FD	22	0.1	0.94	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-EF7E	22	0.1	0.94	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-EA11	29	0.2	0.82	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-9356	26	0.1	0.57	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-2220	25	0.1	0.64	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-E2F9	27	0.2	1.02	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-3FE1	23	0.1	0.82	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-AB8F	26	0.1	0.57	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-FDD0	27	0.2	1.02	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-8FB7	24	0.1	0.72	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-63BF	25	0.1	0.64	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-A511	27	0.1	0.51	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-C616	22	0.1	0.94	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-E868	24	0.1	0.72	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-0759	24	0.1	0.72	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-CC0C	21	0.1	1.08	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-DF0D	27	0.2	1.02	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-9B4B	28	0.2	0.91	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-A5EB	26	0.2	1.14	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-168F	26	0.1	0.57	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-BB0F	28	0.2	0.91	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-7C05	22	0.1	0.94	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-1536	26	0.1	0.57	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-0133	23	0.1	0.82	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-2996	23	0.1	0.82	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-03BB	24	0.1	0.72	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-423E	17	0.1	2.04	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-1FE8	25	0.1	0.64	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-C39B	21	0.1	1.08	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-01D5	27	0.1	0.51	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-D086	19	0.1	1.46	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-2F34	31	0.2	0.67	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-8581	22	0.1	0.94	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-5A8B	25	0.1	0.64	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	20	Brassey Minnow	-	-	-	-	Juvenile	Rearinq	Undetermined	Undetermined	None	None	-	-	Mortality	Capture trauma	Smaller brassy minnows tallied. Fish extremely stressed	
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	58	Brassey Minnow	-	-	-	-	Juvenile	Rearinq	Undetermined	Undetermined	None	None	-	-	Released Alive		Smaller brassy minnows tallied. Fish extremely stressed	
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-9986	35	0.3	0.70	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-8306	39	0.7	1.18	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Brassey Minnow	TLLit4-250813-BMC-4A8E	36	0.4	0.86	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	White Sucker	TLLit4-250813-WSU-E159	44	0.8	0.94	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	White Sucker	TLLit4-250813-WSU-6D97	32	0.5	1.53	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	1	1	Largescale Sucker	TLLit4-250813-CSU-B3B0	33	0.3	0.83	Juvenile	Rearinq	Undetermined	Immature	None</							

Table A2-10. Tatelkuz Lake Littoral Fish and Fish Habitat - Individual Fish Data

Program	Waterbody	Site	Date	Sampling Method	Set Number	Pass	Count	Species	Fish ID	Length (mm)	Weight (g)	Fulton's Condition Factor	Stage	Activity	Sex	Maturity	Tags/Marks Present at Capture	Tags/Marks Applied	Parasites	DELTS	Fate	Mortality Cause	Comments	DELTS - Deformities	DELTS - Deformity Comment
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	2	1	Prickly Sculpin	TLLit4-250813-CAS-4387	31	0.3	1.01	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	2	1	Prickly Sculpin	TLLit4-250813-CAS-3703	16	-	-	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	2	7	Sucker (General)	-	-	-	-	Juvenile	Rearinq	Undetermined	Undetermined	None	N/A	None	None	Mortality	Capture trauma			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	2	43	Sucker (General)	-	-	-	-	Juvenile	Rearinq	Undetermined	Undetermined	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	2	1	Prickly Sculpin	TLLit4-250813-CAS-CB66	27	0.2	1.02	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	2	1	Largescale Sucker	TLLit4-250813-CSU-DBD3	31	0.3	1.01	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	2	1	Prickly Sculpin	TLLit4-250813-CAS-F075	25	0.1	0.64	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	2	1	Largescale Sucker	TLLit4-250813-CSU-B583	33	0.3	0.83	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	2	1	Largescale Sucker	TLLit4-250813-CSU-9A36	31	0.3	1.01	Juvenile	Rearinq	Undetermined	Immature	None	N/A	None	None	Mortality	Capture trauma			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	2	1	Largescale Sucker	TLLit4-250813-CSU-32BE	37	0.5	0.99	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	2	1	Northern Pikeminnow	TLLit4-250813-NSC-7CEA	52	1.5	1.07	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	2	1	Prickly Sculpin	TLLit4-250813-CAS-D989	28	0.2	0.91	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	2	1	Largescale Sucker	TLLit4-250813-CSU-A526	32	0.2	0.61	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	2	1	Largescale Sucker	TLLit4-250813-CSU-F6E2	38	0.7	1.28	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	2	1	Prickly Sculpin	TLLit4-250813-CAS-3AE3	22	0.1	0.94	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	2	1	Sculpin (General)	TLLit4-250813-CC-3E10	14	-	-	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive	Weight less than 0.1 q. Does not register on scale			
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	2	1	White Sucker	TLLit4-250813-WSU-3CD4	42	0.7	0.94	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	2	1	Prickly Sculpin	TLLit4-250813-CAS-7EEE	30	0.2	0.74	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	2	1	Prickly Sculpin	TLLit4-250813-CAS-08F8	35	0.5	1.17	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	2	39	Prickly Sculpin	-	-	-	-	Juvenile	Rearinq	Undetermined	Undetermined	-	-	-	-	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	2	1	Largescale Sucker	TLLit4-250813-CSU-590A	36	0.4	0.86	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	2	1	Largescale Sucker	TLLit4-250813-CSU-4481	34	0.3	0.76	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	2	1	Largescale Sucker	TLLit4-250813-CSU-6AA8	40	0.6	0.94	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	2	1	White Sucker	TLLit4-250813-WSU-0C88	37	0.3	0.59	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	2	2	Largescale Sucker	-	-	-	-	Juvenile	Rearinq	Undetermined	Undetermined	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	2	1	Lake Chub	TLLit4-250813-LKC-0A42	49	1.3	1.10	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	2	1	White Sucker	TLLit4-250813-WSU-F2EB	40	0.8	1.25	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	Seining	4	2	1	Northern Pikeminnow	TLLit4-250813-NSC-6687	50	1.3	1.04	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	1	1	Prickly Sculpin	TLLit5-250814-CAS-D581	14	-	-	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive	Weight less than 0.1 q. Does not register on scale			
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	1	1	Prickly Sculpin	TLLit5-250814-CAS-8B7B	15	-	-	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	1	1	Lake Chub	TLLit5-250814-LKC-1836	23	0.1	0.82	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	1	1	Prickly Sculpin	TLLit5-250814-CAS-87DC	17	0.1	2.04	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	1	1	Prickly Sculpin	TLLit5-250814-CAS-6776	16	0.1	2.44	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	1	1	Lake Chub	TLLit5-250814-LKC-995E	24	0.1	0.72	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	1	1	Minnow (General)	TLLit5-250814-UNK-A2AE	15	-	-	Fry	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive	Weight less than 0.1 g. Does not register on scale			
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	1	1	Prickly Sculpin	TLLit5-250814-CAS-3A92	17	0.1	2.04	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	2	1	Sucker (General)	TLLit5-250814-SU-4B73	23	0.2	1.64	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	2	1	Sucker (General)	TLLit5-250814-SU-6E8C	28	0.2	0.91	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	2	1	Sucker (General)	TLLit5-250814-SU-5B62	29	0.2	0.82	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	2	1	Sucker (General)	TLLit5-250814-SU-5B13	21	0.1	1.08	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	2	1	Brassey Minnow	TLLit5-250814-BMC-F6E1	19	0.1	1.46	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	2	1	Prickly Sculpin	TLLit5-250814-CAS-6AC1	21	0.1	1.08	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	2	1	Brassey Minnow	TLLit5-250814-BMC-BB7A	19	0.1	1.46	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	2	1	Mountain Whitefish	TLLit5-250814-MW-40BB	59	1.6	0.78	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	2	1	Minnow (General)	TLLit5-250814-UNK-43B4	15	-	-	Fry	Rearinq	Undetermined	Immature	None	N/A	None	None	Mortality	Capture trauma			
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	2	1	Prickly Sculpin	TLLit5-250814-CAS-F2ED	21	0.1	1.08	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	2	1	Lake Chub	TLLit5-250814-LKC-3899	20	0.1	1.25	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	2	1	Largescale Sucker	TLLit5-250814-CSU-089D	30	0.3	1.11	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	2	1	Lake Chub	TLLit5-250814-LKC-DE1F	17	0.1	2.04	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	2	1	Sucker (General)	TLLit5-250814-SU-3D51	22	0.1	0.94	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	2	1	Sucker (General)	TLLit5-250814-SU-010F	25	0.1	0.64	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	2	1	Sucker (General)	TLLit5-250814-SU-A2A8	27	0.1	0.51	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	2	1	Rainbow Trout	TLLit5-250814-RB-E02B	46	0.9	0.92	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	2	1	Sculpin (General)	TLLit5-250814-CC-8A98	20	0.1	1.25	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	2	1	Brassey Minnow	TLLit5-250814-BMC-1C0D	23	0.1	0.82	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	2	1	Largescale Sucker	TLLit5-250814-CSU-B8F4	36	0.4	0.86	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	2	1	Prickly Sculpin	TLLit5-250814-CAS-A7A9	20	0.1	1.25	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	2	1	Largescale Sucker	TLLit5-250814-CSU-77D6	43	0.7	0.88	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	2	1	Largescale Sucker	TLLit5-250814-CSU-030C	33	0.3	0.83	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	2	1	Largescale Sucker	TLLit5-250814-CSU-8293	39	0.7	1.18	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake																								

Table A2-10. Tatelkuz Lake Littoral Fish and Fish Habitat - Individual Fish Data

Program	Waterbody	Site	Date	Sampling Method	Set Number	Pass	Count	Species	Fish ID	Length (mm)	Weight (g)	Fulton's Condition Factor	Stage	Activity	Sex	Maturity	Tags/Marks Present at Capture	Tags/Marks Applied	Parasites	DELTS	Fate	Mortality Cause	Comments	DELTS - Deformities	DELTS - Deformity Comment
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	2	1	Prickly Sculpin	TLLit5-250814-CAS-3C09	23	0.2	1.64	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	2	1	Lake Chub	TLLit5-250814-LKC-EAD6	16	0.1	2.44	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	2	1	Prickly Sculpin	TLLit5-250814-CAS-AE9C	26	0.2	1.14	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	2	1	Prickly Sculpin	TLLit5-250814-CAS-QCAF	25	0.3	1.92	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	2	1	Lake Chub	TLLit5-250814-LKC-A19E	23	0.1	0.82	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	2	1	Lake Chub	TLLit5-250814-LKC-95EF	18	0.1	1.71	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	2	1	Lake Chub	TLLit5-250814-LKC-6E50	17	0.1	2.04	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	2	64	Sculpin (General)	-	-	-	-	Juvenile	Rearinq	Undetermined	Undetermined	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	2	4	Lake Chub	-	-	-	-	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-14	Seining	5	2	22	Prickly Sculpin	-	-	-	-	Juvenile	Rearinq	Undetermined	Undetermined	-	-	-	-	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Prickly Sculpin	TLLit6-250814-CAS-2F54	25	0.1	0.64	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Sucker (General)	TLLit6-250814-SU-96AC	27	0.2	1.02	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Prickly Sculpin	TLLit6-250814-CAS-B100	25	0.2	1.28	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Prickly Sculpin	TLLit6-250814-CAS-1DD1	30	0.4	1.48	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Prickly Sculpin	TLLit6-250814-CAS-ACE2	30	0.4	1.48	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Lake Chub	TLLit6-250814-LKC-C2D1	20	0.1	1.25	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Prickly Sculpin	TLLit6-250814-CAS-2E14	25	0.2	1.28	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Prickly Sculpin	TLLit6-250814-CAS-CC12	31	0.3	1.01	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Prickly Sculpin	TLLit6-250814-CAS-5F8F	30	0.2	0.74	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Prickly Sculpin	TLLit6-250814-CAS-9490	26	0.2	1.14	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Minnow (General)	TLLit6-250814-UNK-7DF0	13	-	-	Fry	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive	Features too small to identify			
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Prickly Sculpin	TLLit6-250814-CAS-1CB1	27	0.3	1.52	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Lake Chub	TLLit6-250814-LKC-2769	21	0.1	1.08	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Prickly Sculpin	TLLit6-250814-CAS-2989	25	0.2	1.28	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Largescale Sucker	TLLit6-250814-CSU-6D25	30	0.3	1.11	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Lake Chub	TLLit6-250814-LKC-8245	17	-	-	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Prickly Sculpin	TLLit6-250814-CAS-F7EE	27	0.3	1.52	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Lake Chub	TLLit6-250814-LKC-15E7	22	0.1	0.94	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Lake Chub	TLLit6-250814-LKC-17AC	21	0.1	1.08	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Largescale Sucker	TLLit6-250814-CSU-A4B5	31	0.2	0.67	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Largescale Sucker	TLLit6-250814-CSU-C3E3	35	0.5	1.17	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Lake Chub	TLLit6-250814-LKC-8A63	24	0.1	0.72	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Sucker (General)	TLLit6-250814-SU-B804	26	0.2	1.14	Juvenile	Rearinq	Undetermined	Immature	None	None	None	Deformity	Released Alive	Light	Slightly bent spine		
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Largescale Sucker	TLLit6-250814-CSU-8F1F	37	0.5	0.99	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Lake Chub	TLLit6-250814-LKC-7945	25	0.1	0.64	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Minnow (General)	TLLit6-250814-UNK-D9E4	15	-	-	Fry	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Largescale Sucker	TLLit6-250814-CSU-66F9	32	0.3	0.92	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Lake Chub	TLLit6-250814-LKC-88C5	20	0.1	1.25	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Lake Chub	TLLit6-250814-LKC-1C30	23	0.1	0.82	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Minnow (General)	TLLit6-250814-UNK-D5D7	14	-	-	Fry	Rearinq	Undetermined	Immature	None	N/A	None	None	Mortality	Handling trauma			
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Largescale Sucker	TLLit6-250814-CSU-0D2B	42	0.6	0.81	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	10	Prickly Sculpin	-	-	-	-	Juvenile	Rearinq	Undetermined	Undetermined	-	-	-	-	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Largescale Sucker	TLLit6-250814-CSU-EFFA	32	0.2	0.61	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Sucker (General)	TLLit6-250814-SU-655E	23	0.2	1.64	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Sucker (General)	TLLit6-250814-SU-31F5	21	0.1	1.08	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Sucker (General)	TLLit6-250814-SU-E24D	28	0.2	0.91	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Sucker (General)	TLLit6-250814-SU-CBBC	27	0.2	1.02	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Largescale Sucker	TLLit6-250814-CSU-B01F	39	0.6	1.01	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Sucker (General)	TLLit6-250814-SU-F9E5	29	0.2	0.82	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Largescale Sucker	TLLit6-250814-CSU-D9BC	33	0.3	0.83	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Largescale Sucker	TLLit6-250814-CSU-AA35	31	0.2	0.67	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Largescale Sucker	TLLit6-250814-CSU-91FF	39	0.5	0.84	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Sucker (General)	TLLit6-250814-SU-7C33	27	0.2	1.02	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Lake Chub	TLLit6-250814-LKC-B1E1	17	0.1	2.04	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	32	Largescale Sucker	-	-	-	-	Juvenile	Rearinq	Undetermined	Undetermined	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Sucker (General)	TLLit6-250814-SU-0D3C	24	0.1	0.72	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Sucker (General)	TLLit6-250814-SU-9E50	27	0.2	1.02	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Sculpin (General)	TLLit6-250814-CC-95F3	16	-	-	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	1	Sculpin (General)	TLLit6-250814-CC-D8BC	16	-	-	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	8	Lake Chub	-	-	-	-	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	1	10	Prickly Sculpin	-	-	-	-	Juvenile	Rearinq	Undetermined	Undetermined	-	-	-</						

Program	Waterbody	Site	Date	Sampling Method	Set Number	Pass Count		Species	Fish ID	Length (mm)	Weight (g)	Fulton's	Stage	Activity	Sex	Maturity	Tags/Marks	Tags/Marks	Parasites	DELTS	Fate	Mortality Cause	Comments	DELTS -	DELTS - Deformity
						Condition	Factor					Present at Capture					Applied	Deformities						Comment	
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	2	1	Prickly Sculpin	TLLit6-250814-CAS-9605	29	0.4	1.64	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	2	1	Prickly Sculpin	TLLit6-250814-CAS-2E8D	31	0.3	1.01	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	2	1	Prickly Sculpin	TLLit6-250814-CAS-493A	22	0.1	0.94	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	2	1	Prickly Sculpin	TLLit6-250814-CAS-BADE	23	0.1	0.82	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	2	1	Largescale Sucker	TLLit6-250814-CSU-CF20	43	0.6	0.75	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	2	1	Lake Chub	TLLit6-250814-LKC-3637	22	0.1	0.94	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	2	1	Lake Chub	TLLit6-250814-LKC-04E0	20	0.1	1.25	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	2	1	Sucker (General)	TLLit6-250814-SU-B11F	28	0.2	0.91	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	2	1	Sucker (General)	TLLit6-250814-SU-BFA7	27	0.2	1.02	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	2	1	Sucker (General)	TLLit6-250814-SU-71E7	26	0.2	1.14	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	2	1	Sucker (General)	TLLit6-250814-SU-54C1	28	0.2	0.91	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	2	1	Sucker (General)	TLLit6-250814-SU-F455	29	0.2	0.82	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	2	1	Sucker (General)	TLLit6-250814-SU-FAEE	29	0.2	0.82	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	2	1	Sucker (General)	TLLit6-250814-SU-5DAF	28	0.1	0.46	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	2	1	Sucker (General)	TLLit6-250814-SU-9C4D	26	0.1	0.57	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	2	1	Sucker (General)	TLLit6-250814-SU-7D13	26	0.2	1.14	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	2	1	Sucker (General)	TLLit6-250814-SU-B224	27	0.2	1.02	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	2	7	Prickly Sculpin	-	-	-	-	Juvenile	Rearing	Undetermined	Undetermined	-	-	-	-	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-14	Seining	6	2	249	Largescale Sucker	-	-	-	-	Juvenile	Rearing	Undetermined	Undetermined	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLLit6	2025-																						

Table A2-10. Tatelkuz Lake Littoral Fish and Fish Habitat - Individual Fish Data

Program	Waterbody	Site	Date	Sampling Method	Set Number	Pass	Count	Species	Fish ID	Length (mm)	Weight (g)	Fulton's Condition Factor	Stage	Activity	Sex	Maturity	Tags/Marks Present at Capture	Tags/Marks Applied	Parasites	DELTS	Fate	Mortality Cause	Comments	DELTS - Deformities	DELTS - Deformity Comment
Condition 3.16	Tatelkuz Lake	TLLit8	2025-08-14	Seining	8	2	1	Rainbow Trout	TLLit8-250814-RB-F4D2	121	17.8	1.00	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit8	2025-08-14	Seining	8	2	1	Rainbow Trout	TLLit8-250814-RB-26FE	111	12.6	0.92	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit8	2025-08-14	Seining	8	2	1	Mountain Whitefish	TLLit8-250814-MW-4675	64	2.3	0.88	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit8	2025-08-14	Seining	8	2	1	Rainbow Trout	TLLit8-250814-RB-AA1A	131	28.4	1.26	Juvenile	Rearinq	Undetermined	Immature	None	None	None	Gill Lice	None	Released Alive			
Condition 3.16	Tatelkuz Lake	TLLit8	2025-08-14	Seining	8	2	1	Mountain Whitefish	TLLit8-250814-MW-851D	75	3.8	0.90	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit8	2025-08-14	Seining	8	2	1	Rainbow Trout	TLLit8-250814-RB-844C	141	30.1	1.07	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit8	2025-08-14	Seining	8	2	1	Mountain Whitefish	TLLit8-250814-MW-E162	77	4.4	0.96	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit8	2025-08-14	Seining	8	2	1	Mountain Whitefish	TLLit8-250814-MW-7523	65	2.9	1.06	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit8	2025-08-14	Seining	8	2	1	Mountain Whitefish	TLLit8-250814-MW-FEA3	71	3.0	0.84	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit8	2025-08-14	Seining	8	2	1	Mountain Whitefish	TLLit8-250814-MW-34AA	76	4.3	0.98	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit8	2025-08-14	Seining	8	2	1	Mountain Whitefish	TLLit8-250814-MW-4C05	70	3.0	0.87	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit8	2025-08-14	Seining	8	2	1	Rainbow Trout	TLLit8-250814-RB-134E	105	11.5	0.99	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit8	2025-08-14	Seining	8	2	1	Rainbow Trout	TLLit8-250814-RB-8E87	39	0.7	1.18	Fry	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit8	2025-08-14	Seining	8	2	1	Largescale Sucker	TLLit8-250814-CSU-1318	39	0.5	0.84	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit8	2025-08-14	Seining	8	2	1	Rainbow Trout	TLLit8-250814-RB-E0A7	108	13.0	1.03	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit8	2025-08-14	Seining	8	2	1	Prickly Sculpin	TLLit8-250814-CAS-9278	17	0.1	2.04	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit8	2025-08-14	Seining	8	2	1	Prickly Sculpin	TLLit8-250814-CAS-5A64	26	0.3	1.71	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit8	2025-08-14	Seining	8	2	1	Prickly Sculpin	TLLit8-250814-CAS-57FE	23	0.2	1.64	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit8	2025-08-14	Seining	8	2	1	Prickly Sculpin	TLLit8-250814-CAS-224B	24	0.2	1.45	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit8	2025-08-14	Seining	8	2	1	Prickly Sculpin	TLLit8-250814-CAS-4C03	16	0.1	2.44	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit8	2025-08-14	Seining	8	2	1	Sculpin (General)	TLLit8-250814-CC-106D	14	-	-	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit8	2025-08-14	Seining	8	2	1	Sculpin (General)	TLLit8-250814-CC-31C7	15	-	-	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit9	2025-08-12	Seining	9	1	1	Prickly Sculpin	TLLit9-250812-CAS-A51B	15	-	-	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive		Weight less than 0.1 g. Does not register on scale		
Condition 3.16	Tatelkuz Lake	TLLit9	2025-08-12	Seining	9	1	1	Prickly Sculpin	TLLit9-250812-CAS-7E4F	15	-	-	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive		Weight less than 0.1 g. Does not register on scale		
Condition 3.16	Tatelkuz Lake	TLLit9	2025-08-12	Seining	9	1	1	Prickly Sculpin	TLLit9-250812-CAS-59AC	15	-	-	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive		Weight less than 0.1 g. Does not register on scale		
Condition 3.16	Tatelkuz Lake	TLLit9	2025-08-12	Seining	9	1	1	Prickly Sculpin	TLLit9-250812-CAS-0598	18	0.1	1.71	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit9	2025-08-12	Seining	9	1	1	Prickly Sculpin	TLLit9-250812-CAS-346F	11	-	-	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive		Weight less than 0.1 q. Does not register on scale		
Condition 3.16	Tatelkuz Lake	TLLit9	2025-08-12	Seining	9	1	1	Prickly Sculpin	TLLit9-250812-CAS-227D	17	0.1	2.04	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit9	2025-08-12	Seining	9	1	1	Prickly Sculpin	TLLit9-250812-CAS-789C	12	-	-	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive		Weight less than 0.1 q. Does not register on scale		
Condition 3.16	Tatelkuz Lake	TLLit9	2025-08-12	Seining	9	1	1	Prickly Sculpin	TLLit9-250812-CAS-718E	22	0.1	0.94	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit9	2025-08-12	Seining	9	1	1	Prickly Sculpin	TLLit9-250812-CAS-090D	24	0.1	0.72	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit9	2025-08-12	Seining	9	1	1	Sculpin (General)	TLLit9-250812-CC-3837	11	-	-	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit9	2025-08-12	Seining	9	1	1	Brassey Minnow	TLLit9-250812-BMC-642F	23	0.1	0.82	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit9	2025-08-12	Seining	9	2	1	Lake Chub	TLLit9-250812-LKC-7578	52	1.5	1.07	Juvenile	Rearinq	Undetermined	Undetermined	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit9	2025-08-12	Seining	9	2	1	Lake Chub	TLLit9-250812-LKC-9D28	45	1.1	1.21	Juvenile	Rearinq	Undetermined	Undetermined	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit9	2025-08-12	Seining	9	2	1	Lake Chub	TLLit9-250812-LKC-8E9C	58	2.3	1.18	Juvenile	Rearinq	Undetermined	Undetermined	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit9	2025-08-12	Seining	9	2	1	Lake Chub	TLLit9-250812-LKC-46D1	46	1.2	1.23	Juvenile	Rearinq	Undetermined	Undetermined	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit9	2025-08-12	Seining	9	2	1	Lake Chub	TLLit9-250812-LKC-F10E	45	1.0	1.10	Juvenile	Rearinq	Undetermined	Undetermined	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit9	2025-08-12	Seining	9	2	1	Lake Chub	TLLit9-250812-LKC-BF6C	52	1.7	1.21	Juvenile	Rearinq	Undetermined	Undetermined	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit10	2025-08-14	Seining	10	1	1	Sucker (General)	TLLit10-250814-SU-4495	21	0.1	1.08	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit10	2025-08-14	Seining	10	1	1	Sucker (General)	TLLit10-250814-SU-50F1	19	0.1	1.46	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit10	2025-08-14	Seining	10	1	1	Largescale Sucker	TLLit10-250814-CSU-2944	30	0.3	1.11	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit10	2025-08-14	Seining	10	1	1	Sucker (General)	TLLit10-250814-SU-9972	25	0.1	0.64	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit10	2025-08-14	Seining	10	1	1	Sucker (General)	TLLit10-250814-SU-64CE	20	0.1	1.25	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit10	2025-08-14	Seining	10	1	1	Sucker (General)	TLLit10-250814-SU-2DF1	23	0.1	0.82	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit10	2025-08-14	Seining	10	1	1	Sucker (General)	TLLit10-250814-SU-6B62	28	0.1	0.46	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit10	2025-08-14	Seining	10	1	1	Prickly Sculpin	TLLit10-250814-CAS-F3B5	22	0.1	0.94	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit10	2025-08-14	Seining	10	1	1	Sucker (General)	TLLit10-250814-SU-8E68	25	0.2	1.28	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit10	2025-08-14	Seining	10	1	1	Sucker (General)	TLLit10-250814-SU-C7BE	29	0.3	1.23	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit10	2025-08-14	Seining	10	1	1	Mountain Whitefish	TLLit10-250814-MW-6818	64	2.3	0.88	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit10	2025-08-14	Seining	10	1	1	Sucker (General)	TLLit10-250814-SU-4DA1	23	0.1	0.82	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit10	2025-08-14	Seining	10	1	1	Largescale Sucker	TLLit10-250814-CSU-1B71	37	0.4	0.79	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit10	2025-08-14	Seining	10	1	1	Sucker (General)	TLLit10-250814-SU-C876	25	0.2	1.28	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit10	2025-08-14	Seining	10	1	1	Largescale Sucker	TLLit10-250814-CSU-F044	35	0.4	0.93	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit10	2025-08-14	Seining	10	1	1	Sucker (General)	TLLit10-250814-SU-1C10	28	0.2	0.91	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit10	2025-08-14	Seining	10	1	1	Prickly Sculpin	TLLit10-250814-CAS-8DA4	23	0.2	1.64	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit10	2025-08-14	Seining	10	1	1	Sucker (General)	TLLit10-250814-SU-2232	25	0.1	0.64	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit10	2025-08-14	Seining	10	1	1	Prickly Sculpin	TLLit10-250814-CAS-F821	24	0.2	1.45	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit10	2025-08-14	Seining	10	1	1	Sucker (General)	TLLit10-250814-SU-F6F4	26	0.2	1.14	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit10	2025-08-14																						

Table A2-10. Tatelkuz Lake Littoral Fish and Fish Habitat - Individual Fish Data

Program	Waterbody	Site	Date	Sampling Method	Set Number	Pass	Count	Species	Fish ID	Length (mm)	Weight (g)	Fulton's Condition Factor	Stage	Activity	Sex	Maturity	Tags/Marks Present at Capture	Tags/Marks Applied	Parasites	DELTS	Fate	Mortality Cause	Comments	DELTS - Deformities	DELTS - Deformity Comment
Condition 3.16	Tatelkuz Lake	TLlit10	2025-08-14	Seining	10	2	1	Sucker (General)	TLlit10-250814-SU-AC37	26	0.2	1.14	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit10	2025-08-14	Seining	10	2	1	Sculpin (General)	TLlit10-250814-CC-8AA8	14	-	-	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit10	2025-08-14	Seining	10	2	1	Sculpin (General)	TLlit10-250814-CC-7F45	10	-	-	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit10	2025-08-14	Seining	10	2	1	Largescale Sucker	TLlit10-250814-CSU-DBD4	30	0.3	1.11	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit10	2025-08-14	Seining	10	2	1	Sculpin (General)	TLlit10-250814-CC-E815	16	0.1	2.44	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit10	2025-08-14	Seining	10	2	1	Sculpin (General)	TLlit10-250814-CC-836D	14	-	-	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit10	2025-08-14	Seining	10	2	1	Sculpin (General)	TLlit10-250814-CC-8C43	15	-	-	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive	Weight less than 0.1 q. Does not register on scale		
Condition 3.16	Tatelkuz Lake	TLlit10	2025-08-14	Seining	10	2	1	Sculpin (General)	TLlit10-250814-CC-01D5	12	-	-	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit10	2025-08-14	Seining	10	2	1	Sculpin (General)	TLlit10-250814-CC-F9BE	15	-	-	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit10	2025-08-14	Seining	10	2	8	Sculpin (General)		-	-	-	Juvenile	Rearinq	Undetermined	Undetermined					Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Lake Chub	TLlit11-250812-LKC-231F	23	0.1	0.82	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-0D88	34	0.6	1.53	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-0884	27	0.1	0.51	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-AB43	26	0.2	1.14	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-13CC	28	0.2	0.91	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-823B	28	0.3	1.37	Juvenile	Rearinq	Undetermined	Immature	None	N/A	None	None	Mortality	Capture trauma			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-664C	26	0.2	1.14	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-51D9	26	0.2	1.14	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-878B	27	0.2	1.02	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-C234	26	0.2	1.14	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-F9F5	33	0.4	1.11	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-A257	27	0.2	1.02	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-DF17	31	0.3	1.01	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-AE31	39	0.5	0.84	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-5BF4	26	0.2	1.14	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-F640	39	0.4	0.67	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-A7D6	33	0.3	0.83	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-35AD	32	0.3	0.92	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-60B5	31	0.3	1.01	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-AE6D	31	0.3	1.01	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-40D0	34	0.4	1.02	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-7B35	26	0.2	1.14	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-6FEF	29	0.2	0.82	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-920E	35	0.5	1.17	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-6603	33	0.5	1.39	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-1D8F	26	0.3	1.71	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-EC0A	28	0.2	0.91	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-591E	26	0.3	1.71	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-6488	37	0.4	0.79	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-40DB	32	0.2	0.61	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-B818	33	0.4	1.11	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-0728	34	0.4	1.02	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-549B	29	0.3	1.23	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-051C	26	0.2	1.14	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-E0E3	30	0.4	1.48	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-A4E4	35	0.3	0.70	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-B27A	32	0.3	0.92	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-20DC	25	0.2	1.28	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-95C3	34	0.4	1.02	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-A58B	27	0.3	1.52	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-2D2F	32	0.3	0.92	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-5A13	34	0.3	0.76	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-DCD7	34	0.4	1.02	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-554B	37	0.6	1.18	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-44C3	36	0.4	0.86	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-66F7	36	0.4	0.86	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-C47C	33	0.4	1.11	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-85A7	31	0.3	1.01	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-9ACF	36	0.4	0.86	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Brassey Minnow	TLlit11-250812-BMC-8676	35	0.6	1.40	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released	Alive			
Condition 3.16	Tatelkuz Lake	TLlit11	2025-08-12	Seining	11	1	1	Prickly Sculpin	TLlit11-250812-CAS-ECEF	18	0.														

Table A2-10. Tatelkuz Lake Littoral Fish and Fish Habitat - Individual Fish Data

Program	Waterbody	Site	Date	Sampling Method	Set Number	Pass	Count	Species	Fish ID	Length (mm)	Weight (g)	Fulton's Condition Factor	Stage	Activity	Sex	Maturity	Tags/Marks Present at Capture	Tags/Marks Applied	Parasites	DELTS	Fate	Mortality Cause	Comments	DELTS - Deformities	DELTS - Deformity Comment
Condition 3.16	Tatelkuz Lake	TLLit11	2025-08-12	Seining	11	2	1	Kokanee	TLLit11-250812-KO-FD82	34	0.4	1.02	Fry	Rearinq	Undetermined	Undetermined	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit11	2025-08-12	Seining	11	2	1	Brassey Minnow	TLLit11-250812-BMC-698F	33	0.3	0.83	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit11	2025-08-12	Seining	11	2	1	Brassey Minnow	TLLit11-250812-BMC-8993	29	0.2	0.82	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit11	2025-08-12	Seining	11	2	1	Brassey Minnow	TLLit11-250812-BMC-7726	28	0.2	0.91	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit11	2025-08-12	Seining	11	2	1	Brassey Minnow	TLLit11-250812-BMC-7D2A	26	0.2	1.14	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit11	2025-08-12	Seining	11	2	1	Brassey Minnow	TLLit11-250812-BMC-01A7	21	0.1	1.08	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit11	2025-08-12	Seining	11	2	1	Brassey Minnow	TLLit11-250812-BMC-EE60	22	0.1	0.94	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit11	2025-08-12	Seining	11	2	1	Brassey Minnow	TLLit11-250812-BMC-DEED	28	0.2	0.91	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit11	2025-08-12	Seining	11	2	1	Brassey Minnow	TLLit11-250812-BMC-72BD	37	0.5	0.99	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit11	2025-08-12	Seining	11	2	1	Brassey Minnow	TLLit11-250812-BMC-1108	32	0.3	0.92	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit11	2025-08-12	Seining	11	2	1	Brassey Minnow	TLLit11-250812-BMC-520E	34	0.4	1.02	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit11	2025-08-12	Seining	11	2	1	Brassey Minnow	TLLit11-250812-BMC-E033	25	0.2	1.28	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit11	2025-08-12	Seining	11	2	1	Brassey Minnow	TLLit11-250812-BMC-E316	29	0.3	1.23	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit11	2025-08-12	Seining	11	2	1	Brassey Minnow	TLLit11-250812-BMC-9065	34	0.5	1.27	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit11	2025-08-12	Seining	11	2	1	Sculpin (General)	TLLit11-250812-CC-90A8	22	0.1	0.94	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive				
Condition 3.16	Tatelkuz Lake	TLLit11	2025-08-12	Seining	11	2	1	Sculpin (General)	TLLit11-250812-CC-E9A0	20	-	-	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive	Weight less than 0.1 q. Does not register on scale			
Condition 3.16	Tatelkuz Lake	TLLit11	2025-08-12	Seining	11	2	1	Sculpin (General)	TLLit11-250812-CC-9A92	10	-	-	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive	Weight less than 0.1 q. Does not register on scale			
Condition 3.16	Tatelkuz Lake	TLLit11	2025-08-12	Seining	11	2	1	Sculpin (General)	TLLit11-250812-CC-6FF8	13	-	-	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive	Weight less than 0.1 q. Does not register on scale			
Condition 3.16	Tatelkuz Lake	TLLit11	2025-08-12	Seining	11	2	1	Sculpin (General)	TLLit11-250812-CC-2710	15	-	-	Juvenile	Rearinq	Undetermined	Immature	None	N/A	None	None	Mortality	Capture trauma	Weight less than 0.1 q. Does not register on scale		
Condition 3.16	Tatelkuz Lake	TLLit11	2025-08-12	Seining	11	2	1	Brassey Minnow	TLLit11-250812-BMC-FC2E	29	0.2	0.82	Juvenile	Rearinq	Undetermined	Immature	None	N/A	None	None	Mortality	Capture trauma			
Condition 3.16	Tatelkuz Lake	TLLit11	2025-08-12	Seining	11	2	1	Sculpin (General)	TLLit11-250812-CC-93A3	13	-	-	Juvenile	Rearinq	Undetermined	Immature	None	None	None	None	Released Alive	Weight less than 0.1 q. Does not register on scale			
Condition 3.16	Tatelkuz Lake	TLLit11	2025-08-12	Seining	11	2	1	Sculpin (General)	TLLit11-250812-CC-1655	16	0.1	2.44	Juvenile	Rearinq	Undetermined	Immature	None	N/A	None	None	Mortality	Capture trauma			
Condition 3.16	Tatelkuz Lake	TLLit11	2025-08-12	Seining	11	2	1	Brassey Minnow	TLLit11-250812-BMC-F9E2	31	0.3	1.01	Juvenile	Rearinq	Undetermined	Immature	None	N/A	None	None	Mortality	Capture trauma			
Condition 3.16	Tatelkuz Lake	TLLit11	2025-08-12	Seining	11	2	1	Brassey Minnow	TLLit11-250812-BMC-890B	34	0.3	0.76	Juvenile	Rearinq	Undetermined	Immature	None	N/A	None	None	Mortality	Capture trauma			
Condition 3.16	Tatelkuz Lake	TLLit11	2025-08-12	Seining	11	2	1	Sculpin (General)	TLLit11-250812-CC-D173	12	-	-	Juvenile	Rearinq	Undetermined	Immature	None	N/A	None	None	Mortality	Capture trauma	Weight less than 0.1 q. Does not register on scale		

Table A2-11. Tatelkuz Lake Littoral Fish and Fish Habitat - Habitat Transect pin locations, relative distances, and elevations

Program	Waterbody	Site	Date	Pin UTM Zone	Pin UTM Easting	Pin UTM Northing	Distance (m) to Top of Bank (Relative to Pin)	Distance (m) to Toe of Bank (Relative to Pin)	Distance (m) to Water's Edge (Relative to Pin)	Pin Elevation (masl)	Top of Bank Elevation (masl)	Toe of Bank Elevation (masl)	Lake wetted edge Elevation (masl)	Comments
Condition 3.16	Tatelkuz Lake	TLLit1	2025-08-17	10	385727	5907845	0.5	3.8	6.0	928.02	927.48	927.20	926.88	UTM location, pin elevation and wetted edge elevation determined by BW Gold Survey
Condition 3.16	Tatelkuz Lake	TLLit2	2025-08-16	10	389293	5902974	1.4	1.9	4.5	927.314	928.20	927.46	926.88	UTM location, pin elevation and wetted edge elevation determined by BW Gold Survey
Condition 3.16	Tatelkuz Lake	TLLit3	2025-08-16	10	389687	5902543	1.0	1.7	4.1	928.55	928.32	927.43	926.88	UTM location, pin elevation and wetted edge elevation determined by BW Gold Survey
Condition 3.16	Tatelkuz Lake	TLLit4	2025-08-13	10	390769	5900849	0.8	1.5	8.3	928.97	928.30	927.52	926.88	UTM location, pin elevation and wetted edge elevation determined by BW Gold Survey
Condition 3.16	Tatelkuz Lake	TLLit5	2025-08-17	10	389831	5903963	1.9	3.4	9.2	928.85	928.22	927.89	926.88	UTM location, pin elevation and wetted edge elevation determined by BW Gold Survey
Condition 3.16	Tatelkuz Lake	TLLit6	2025-08-17	10	391853	5902015	2.8	3.9	8.6	929.19	928.28	927.58	926.88	UTM location, pin elevation and wetted edge elevation determined by BW Gold Survey
Condition 3.16	Tatelkuz Lake	TLLit7	2025-08-16	10	391378	5901239	1.1	3.5	5.9	927.96	927.70	927.41	926.88	UTM location, pin elevation and wetted edge elevation determined by BW Gold Survey
Condition 3.16	Tatelkuz Lake	TLLit8	2025-08-17	10	390268	5902990	0.3	0.7	8.9	928.19	928.15	927.73	926.88	UTM location, pin elevation and wetted edge elevation determined by BW Gold Survey
Condition 3.16	Tatelkuz Lake	TLLit9	2025-08-16	10	387702	5904633	0.5	0.8	5.1	-	928.30	927.78	926.88	UTM location is general, wetted edge elevation determine by BW Gold Survey
Condition 3.16	Tatelkuz Lake	TLLit10	2025-08-16	10	391143	5902379	0.4	1.7	3.1	928.36	928.22	927.27	926.88	UTM location, pin elevation and wetted edge elevation determined by BW Gold Survey
Condition 3.16	Tatelkuz Lake	TLLit11	2025-08-13	10	388256	5904232	0.7	0.8	7.1	-	928.27	927.73	926.88	UTM location is general, wetted edge elevation determine by BW Gold Survey

Table A2-11. Tatelkuz Lake Littoral Fish and Fish Habitat - Littoral Fish Habitat Transect Data

Program	Waterbody	Date	Site	Distance from Shore (m)	Water Depth (m)	Submergent Vegetation (%)	Emergent Vegetation (%)	Floating Leaved (%)	Free Floating Veg (%)	Woody Debris (%)	Rock (Cobble / Boulders in %)	Dominant Substrate	Subdominant Substrate	Shoreline Gradient	Littoral Habitat Type
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	0	0	0	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	1	0.14	0	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	2	0.19	75	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	3	0.22	75	0	0	0	0	0	Fines	Gravel	Shallow	Fg-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	4	0.25	50	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	5	0.29	50	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	6	0.31	25	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	7	0.35	0	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	8	0.36	15	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	9	0.38	20	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	10	0.39	10	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	11	0.39	10	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	12	0.35	75	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	13	0.35	25	0	0	0	0	0	Fines	Gravel	Shallow	Fg-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	14	0.36	20	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	15	0.35	60	0	0	0	0	0	Fines	Gravel	Shallow	Fg-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	16	0.36	30	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	17	0.37	15	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	18	0.41	10	0	0	0	0	0	Fines	Gravel	Shallow	Fg-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	19	0.41	10	0	0	0	0	0	Fines	Gravel	Shallow	Fg-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	20	0.41	15	0	0	0	0	0	Fines	Gravel	Shallow	Fg-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	21	0.45	5	0	0	0	0	0	Fines	Gravel	Shallow	Fg-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	22	0.47	15	0	0	0	0	0	Fines	Gravel	Shallow	Fg-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	23	0.51	10	0	0	0	0	0	Fines	Gravel	Shallow	Fg-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	24	0.52	75	0	0	0	0	0	Fines	Gravel	Shallow	Fg-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	25	0.6	75	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	26	0.57	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	27	0.59	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	28	0.6	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	29	0.61	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	30	0.64	50	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	31	0.64	90	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	32	0.64	80	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	33	0.63	50	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	34	0.63	80	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	35	0.63	25	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	36	0.64	0	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	37	0.65	60	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	38	0.66	75	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	39	0.68	20	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	40	0.7	10	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	41	0.69	50	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	42	0.72	20	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	43	0.72	40	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	44	0.77	30	0	0	0	0	0	Fines	Gravel	Shallow	Fg-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	45	0.77	20	0	0	0	0	0	Fines	Gravel	Shallow	Fg-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	46	0.77	20	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	47	0.77	30	0	0	0	0	0	Fines	Gravel	Shallow	Fg-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	48	0.78	25	0	0	0	0	0	Fines	Gravel	Shallow	Fg-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	49	0.82	50	0	0	0	0	0	Fines	Gravel	Shallow	Fg-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	50	0.82	50	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	51	0.82	80	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	52	0.84	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	53	0.87	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh

Table A2-11. Tatelkuz Lake Littoral Fish and Fish Habitat - Littoral Fish Habitat Transect Data

Program	Waterbody	Date	Site	Distance from Shore (m)	Water Depth (m)	Submergent Vegetation (%)	Emergent Vegetation (%)	Floating Leaved (%)	Free Floating Veg (%)	Woody Debris (%)	Rock (Cobble / Boulders in %)	Dominant Substrate	Subdominant Substrate	Shoreline Gradient	Littoral Habitat Type
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	54	0.87	50	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	55	0.92	50	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	56	0.89	90	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	57	0.92	80	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	58	0.92	75	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	59	0.92	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	60	0.95	90	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	61	0.95	80	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	62	1	80	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	63	1.04	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	64	1.04	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	65	1.02	50	0	0	0	0	0	Fines	Gravel	Shallow	Fg-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	66	1.07	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	67	1.08	75	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	68	1.12	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	69	1.21	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	70	1.21	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	71	1.22	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	72	1.27	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	73	1.28	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	74	1.29	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	75	1.3	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	76	1.37	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	77	1.38	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	78	1.42	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	79	1.44	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	80	1.45	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	81	1.5	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	82	1.54	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	83	1.54	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	84	1.61	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	85	1.63	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	86	1.65	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	87	1.67	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	88	1.68	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	89	1.71	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	90	1.75	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	91	1.8	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	92	1.86	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	93	1.96	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	94	1.98	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	95	2.03	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	96	2.09	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	97	2.16	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	98	2.25	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	99	2.37	100	0	0	0	0	0	Fines	Organics	Steep	Fo-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	100	2.39	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	101	2.43	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	102	2.57	100	0	0	0	0	0	Fines	Organics	Steep	Fo-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	103	2.62	50	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	104	2.68	75	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	105	2.86	100	0	0	0	0	0	Fines	Organics	Steep	Fo-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit1	106	3.07	100	0	0	0	0	0	Fines	Organics	Steep	Fo-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit2	0	0	0	0	0	0	0	0	Gravel	Cobble	Shallow	Gc-Sh

Table A2-11. Tatelkuz Lake Littoral Fish and Fish Habitat - Littoral Fish Habitat Transect Data

Program	Waterbody	Date	Site	Distance from Shore (m)	Water Depth (m)	Submergent Vegetation (%)	Emergent Vegetation (%)	Floating Leaved (%)	Free Floating Veg (%)	Woody Debris (%)	Rock (Cobble / Boulders in %)	Dominant Substrate	Subdominant Substrate	Shoreline Gradient	Littoral Habitat Type
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit2	1	0.1	0	0	0	0	0	0	Gravel	Cobble	Shallow	Gc-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit2	2	0.18	0	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit2	3	0.28	0	0	0	0	0	0	Gravel	Cobble	Shallow	Gc-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit2	4	0.44	0	0	0	0	0	0	Gravel	Cobble	Steep	Gc-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit2	5	0.53	0	0	0	0	0	0	Cobble	Gravel	Shallow	Cg-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit2	6	0.71	0	0	0	0	0	0	Cobble	Fines	Steep	Cf-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit2	7	0.91	0	0	0	0	0	15	Gravel	Boulder	Steep	Gb-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit2	8	1.01	0	0	0	0	0	0	Cobble	Gravel	Shallow	Cg-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit2	9	1.14	0	0	0	0	0	0	Cobble	Fines	Steep	Cf-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit2	10	1.26	0	0	0	0	0	10	Cobble	Boulder	Steep	Cb-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit2	11	1.4	0	0	0	0	0	0	Cobble	Fines	Steep	Cf-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit2	12	1.48	0	0	0	0	0	0	Cobble	Fines	Shallow	Cf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit2	13	1.58	0	0	0	0	0	15	Cobble	Boulder	Shallow	Cb-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit2	14	1.65	0	0	0	0	0	0	Cobble	Gravel	Shallow	Cg-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit2	15	1.83	0	0	0	0	0	0	Cobble	Gravel	Steep	Cg-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit2	16	1.93	0	0	0	0	0	75	Boulder	Gravel	Shallow	Bg-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit2	17	2.18	0	0	0	0	0	0	Cobble	Gravel	Steep	Cg-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit2	18	2.38	0	0	0	0	0	0	Cobble	Gravel	Steep	Cg-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit2	19	2.47	0	0	0	0	0	0	Cobble	Gravel	Shallow	Cg-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit2	20	2.64	0	0	0	0	0	0	Gravel	Cobble	Steep	Gc-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit2	21	2.79	0	0	0	0	0	0	Gravel	Cobble	Steep	Gc-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit2	22	2.81	0	0	0	0	0	50	Boulder	Cobble	Shallow	Bc-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit2	23	3.05	0	0	0	0	0	0	Cobble	Gravel	Steep	Cg-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit3	0	0	0	0	0	0	0	0	Gravel	Cobble	Shallow	Gc-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit3	1	0.08	0	0	0	0	0	50	Boulder	Cobble	Shallow	Bc-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit3	2	0.24	0	0	0	0	0	25	Cobble	Boulder	Steep	Cb-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit3	3	0.37	0	0	0	0	0	5	Cobble	Gravel	Steep	Cg-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit3	4	0.59	0	0	0	0	0	20	Boulder	Cobble	Steep	Bc-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit3	5	0.71	1	0	0	0	0	25	Gravel	Boulder	Steep	Gb-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit3	6	0.81	5	0	0	0	0	0	Cobble	Gravel	Shallow	Cg-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit3	7	0.87	10	0	0	0	0	0	Gravel	Cobble	Shallow	Gc-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit3	8	0.98	20	0	0	0	0	0	Cobble	Gravel	Steep	Cg-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit3	9	1.08	10	0	0	0	0	0	Cobble	Fines	Shallow	Cf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit3	10	1.24	25	0	0	0	0	0	Cobble	Gravel	Steep	Cg-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit3	11	1.38	75	0	0	0	0	0	Cobble	Gravel	Steep	Cg-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit3	12	1.57	30	0	0	0	0	50	Boulder	Cobble	Steep	Bc-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit3	13	1.79	15	0	0	0	0	0	Gravel	Cobble	Steep	Gc-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit3	14	1.86	5	0	0	0	0	0	Cobble	Gravel	Shallow	Cg-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit3	15	1.92	1	0	0	0	0	0	Cobble	Gravel	Shallow	Cg-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit3	16	2.14	1	0	0	0	0	0	Cobble	Gravel	Steep	Cg-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit3	17	2.17	0	0	0	0	0	0	Cobble	Gravel	Shallow	Cg-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit3	18	2.27	0	0	0	0	0	0	Gravel	Cobble	Shallow	Gc-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit3	19	2.32	0	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit3	20	2.45	0	0	0	0	0	0	Gravel	Cobble	Steep	Gc-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit3	21	2.47	0	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit3	22	2.56	0	0	0	0	0	0	Gravel	Cobble	Shallow	Gc-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit3	23	2.65	0	0	0	0	0	0	Gravel	Cobble	Shallow	Gc-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit3	24	2.68	1	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit3	25	2.66	0	0	0	0	0	0	Gravel	Cobble	Shallow	Gc-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit3	26	2.82	0	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit3	27	2.91	0	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit3	28	3	0	0	0	0	0	0	Gravel	Cobble	Shallow	Gc-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	0	0	0	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	1	0.01	0	10	0	0	0	0	Fines	Organics	Shallow	Fo-Sh

Table A2-11. Tatelkuz Lake Littoral Fish and Fish Habitat - Littoral Fish Habitat Transect Data

Program	Waterbody	Date	Site	Distance from Shore (m)	Water Depth (m)	Submergent Vegetation (%)	Emergent Vegetation (%)	Floating Leaved (%)	Free Floating Veg (%)	Woody Debris (%)	Rock (Cobble / Boulders in %)	Dominant Substrate	Subdominant Substrate	Shoreline Gradient	Littoral Habitat Type
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	2	0.015	0	25	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	3	0.05	0	25	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	4	0.08	10	1	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	5	0.11	0	25	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	6	0.14	0	5	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	7	0.17	5	5	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	8	0.15	10	0	5	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	9	0.16	0	0	5	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	10	0.18	0	0	5	0	0	0	Fines	Gravel	Shallow	Fg-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	11	0.19	5	0	0	0	0	0	Fines	Gravel	Shallow	Fg-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	12	0.18	5	0	0	0	0	0	Fines	Gravel	Shallow	Fg-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	13	0.2	5	0	0	0	0	0	Fines	Gravel	Shallow	Fg-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	14	0.21	0	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	15	0.23	5	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	16	0.24	5	0	5	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	17	0.24	10	0	1	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	18	0.23	5	0	0	0	0	0	Fines	Gravel	Shallow	Fg-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	19	0.24	0	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	20	0.24	0	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	21	0.25	0	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	22	0.25	5	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	23	0.27	1	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	24	0.29	0	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	25	0.3	1	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	26	0.3	5	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	27	0.33	10	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	28	0.33	0	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	29	0.35	5	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	30	0.33	0	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	31	0.33	0	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	32	0.34	5	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	33	0.35	0	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	34	0.35	0	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	35	0.36	5	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	36	0.37	5	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	37	0.38	5	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	38	0.39	0	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	39	0.39	0	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	40	0.4	0	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	41	0.42	0	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	42	0.46	0	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	43	0.5	0	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	44	0.54	0	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	45	0.6	1	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	46	0.64	10	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	47	0.72	10	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	48	0.86	5	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	49	1.05	25	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	50	1.25	25	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	51	1.47	75	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	52	1.7	100	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	53	2.23	50	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	54	2.5	75	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	55	2.49	90	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh

Table A2-11. Tatelkuz Lake Littoral Fish and Fish Habitat - Littoral Fish Habitat Transect Data

Program	Waterbody	Date	Site	Distance from Shore (m)	Water Depth (m)	Submergent Vegetation (%)	Emergent Vegetation (%)	Floating Leaved (%)	Free Floating Veg (%)	Woody Debris (%)	Rock (Cobble / Boulders in %)	Dominant Substrate	Subdominant Substrate	Shoreline Gradient	Littoral Habitat Type
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	56	2.76	50	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit4	57	3.1	80	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit5	0	0	0	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit5	1	0.14	0	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit5	2	0.29	20	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit5	3	0.6	20	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit5	4	0.78	40	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit5	5	1.08	50	0	0	0	0	0	Fines	Gravel	Steep	Fg-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit5	6	1.31	75	0	0	0	0	0	Fines	Gravel	Steep	Fg-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit5	7	1.77	50	0	0	0	0	0	Fines	Gravel	Steep	Fg-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit5	8	2.13	50	0	0	0	0	0	Fines	Gravel	Steep	Fg-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit5	9	2.49	20	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit5	10	2.9	5	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit5	11	3.11	5	0	0	0	0	0	Fines	Gravel	Steep	Fg-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	0	0	0	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	1	0.01	0	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	2	0.01	0	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	3	0.02	0	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	4	0	0	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	5	0	0	1	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	6	0.01	40	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	7	0.02	1	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	8	0.01	1	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	9	0	0	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	10	0	0	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	11	0	0	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	12	0	0	1	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	13	0.01	0	1	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	14	0.01	5	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	15	0.01	5	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	16	0	0	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	17	0.01	0	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	18	0	0	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	19	0	0	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	20	0	0	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	21	0.01	0	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	22	0.02	5	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	23	0.01	1	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	24	0	0	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	25	0	0	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	26	0.03	40	30	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	27	0.03	50	15	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	28	0.03	50	5	1	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	29	0.04	30	5	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	30	0.03	30	10	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	31	0.04	25	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	32	0.06	10	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	33	0.06	20	5	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	34	0.05	15	5	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	35	0.07	20	0	1	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	36	0.1	30	0	1	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	37	0.12	15	0	1	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	38	0.12	15	0	5	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	39	0.14	25	0	5	0	0	0	Fines	Organics	Shallow	Fo-Sh

Table A2-11. Tatelkuz Lake Littoral Fish and Fish Habitat - Littoral Fish Habitat Transect Data

Program	Waterbody	Date	Site	Distance from Shore (m)	Water Depth (m)	Submergent Vegetation (%)	Emergent Vegetation (%)	Floating Leaved (%)	Free Floating Veg (%)	Woody Debris (%)	Rock (Cobble / Boulders in %)	Dominant Substrate	Subdominant Substrate	Shoreline Gradient	Littoral Habitat Type
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	40	0.14	30	0	5	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	41	0.15	25	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	42	0.15	25	0	10	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	43	0.14	25	0	10	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	44	0.13	20	0	15	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	45	0.15	30	0	10	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	46	0.15	70	0	10	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	47	0.17	25	0	10	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	48	0.18	30	0	10	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	49	0.2	20	0	5	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	50	0.22	10	0	2	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	51	0.23	15	0	1	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	52	0.24	20	0	1	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	53	0.24	5	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	54	0.24	10	0	5	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	55	0.25	10	0	3	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	56	0.27	5	0	1	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	57	0.27	10	0	5	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	58	0.26	10	0	5	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	59	0.29	20	0	1	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	60	0.32	10	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	61	0.35	10	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	62	0.39	10	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	63	0.45	15	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	64	0.55	15	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	65	0.66	75	0	0	0	0	0	Fines	Organics	Steep	Fo-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	66	0.76	90	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	67	0.88	90	0	0	0	0	0	Fines	Organics	Steep	Fo-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	68	0.96	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	69	1.04	100	0	0	0	0	0	Fines	Organics	Shallow	Fo-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	70	1.2	100	0	0	0	0	0	Fines	Organics	Steep	Fo-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	71	1.47	100	0	0	0	0	0	Fines	Organics	Steep	Fo-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	72	1.65	100	0	0	0	0	0	Fines	Organics	Steep	Fo-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	73	1.87	100	0	0	0	0	0	Fines	Organics	Steep	Fo-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	74	2.15	100	0	0	0	0	0	Fines	Organics	Steep	Fo-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	75	2.51	100	0	0	0	0	0	Fines	Organics	Steep	Fo-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	76	2.75	100	0	0	0	0	0	Fines	Organics	Steep	Fo-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit6	77	3.05	100	0	0	0	0	0	Fines	Organics	Steep	Fo-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	0	0	0	0	0	0	0	0	Boulder	Cobble	Shallow	Bc-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	1	0.3	10	0	0	0	0	80	Boulder	Cobble	Steep	Bc-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	2	0.56	5	0	0	0	0	90	Boulder	Cobble	Steep	Bc-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	3	0.9	5	0	0	0	0	75	Boulder	Cobble	Steep	Bc-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	4	1.04	10	0	0	0	0	60	Boulder	Cobble	Steep	Bc-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	5	1.27	100	0	0	0	0	0	Organics	Cobble	Steep	Oc-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	6	1.4	100	0	0	0	0	0	Organics	Fines	Steep	Of-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	7	1.47	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	8	1.48	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	9	1.52	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	10	1.4	100	0	0	0	0	0	Organics	Fines	Steep	Of-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	11	1.65	100	0	0	0	0	0	Organics	Fines	Steep	Of-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	12	1.7	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	13	1.7	75	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	14	1.73	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	15	1.76	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh

Table A2-11. Tatelkuz Lake Littoral Fish and Fish Habitat - Littoral Fish Habitat Transect Data

Program	Waterbody	Date	Site	Distance from Shore (m)	Water Depth (m)	Submergent Vegetation (%)	Emergent Vegetation (%)	Floating Leaved (%)	Free Floating Veg (%)	Woody Debris (%)	Rock (Cobble / Boulders in %)	Dominant Substrate	Subdominant Substrate	Shoreline Gradient	Littoral Habitat Type
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	16	1.79	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	17	1.81	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	18	1.85	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	19	1.88	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	20	1.9	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	21	1.92	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	22	1.94	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	23	1.98	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	24	2.02	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	25	2.04	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	26	2.04	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	27	2.08	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	28	2.09	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	29	2.13	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	30	2.15	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	31	2.19	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	32	2.22	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	33	2.24	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	34	2.26	50	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	35	2.28	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	36	2.33	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	37	2.37	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	38	2.38	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	39	2.46	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	40	2.48	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	41	2.5	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	42	2.54	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	43	2.54	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	44	2.65	100	0	0	0	0	0	Organics	Fines	Steep	Of-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	45	2.71	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	46	2.69	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	47	2.74	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	48	2.8	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	49	2.83	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	50	2.89	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	51	2.96	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit7	52	3.05	100	0	0	0	0	0	Organics	Fines	Shallow	Of-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit8	0	0	0	0	0	0	0	0	Gravel	Cobble	Shallow	Gc-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit8	1	0.07	0	0	0	0	0	0	Gravel	Cobble	Shallow	Gc-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit8	2	0.17	0	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit8	3	0.28	0	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit8	4	0.4	0	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit8	5	0.55	5	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit8	6	0.69	0	0	0	0	0	0	Fines	Gravel	Steep	Fg-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit8	7	0.85	10	0	0	0	0	0	Fines	Gravel	Steep	Fg-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit8	8	1.02	1	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit8	9	1.29	0	0	0	0	0	0	Gravel	Cobble	Steep	Gc-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit8	10	1.48	0	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit8	11	1.76	5	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit8	12	2.01	20	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit8	13	2.48	5	0	0	0	0	0	Fines	Gravel	Steep	Fg-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit8	14	2.77	0	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-17	TLLit8	15	3.14	0	0	0	0	0	0	Fines	Gravel	Steep	Fg-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit9	0	0	0	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh

Table A2-11. Tatelkuz Lake Littoral Fish and Fish Habitat - Littoral Fish Habitat Transect Data

Program	Waterbody	Date	Site	Distance from Shore (m)	Water Depth (m)	Submergent Vegetation (%)	Emergent Vegetation (%)	Floating Leaved (%)	Free Floating Veg (%)	Woody Debris (%)	Rock (Cobble / Boulders in %)	Dominant Substrate	Subdominant Substrate	Shoreline Gradient	Littoral Habitat Type
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit9	1	0.1	0	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit9	2	0.22	0	0	0	0	0	0	Fines	Gravel	Steep	Fg-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit9	3	0.25	0	0	0	0	0	0	Fines	Gravel	Shallow	Fg-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit9	4	0.33	0	0	0	0	0	0	Gravel	Cobble	Shallow	Gc-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit9	5	0.41	0	0	0	0	0	0	Gravel	Cobble	Shallow	Gc-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit9	6	0.63	0	0	0	0	0	0	Gravel	Cobble	Steep	Gc-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit9	7	0.88	0	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit9	8	1.15	0	0	0	0	0	0	Fines	Cobble	Steep	Fc-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit9	9	1.47	1	0	0	0	0	0	Gravel	Cobble	Steep	Gc-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit9	10	1.81	1	0	0	0	0	0	Fines	Cobble	Steep	Fc-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit9	11	2.25	0	0	0	0	10	0	Cobble	Gravel	Steep	Cg-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit9	12	2.61	5	0	0	0	0	0	Cobble	Gravel	Steep	Cg-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit9	13	2.94	0	0	0	0	0	0	Cobble	Fines	Steep	Cf-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit9	14	3.1	0	0	0	0	0	0	Cobble	Fines	Steep	Cf-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit10	0	0	0	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit10	1	0.1	0	0	0	0	0	0	Gravel	Cobble	Shallow	Gc-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit10	2	0.25	0	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit10	3	0.33	5	0	0	0	0	0	Fines	Gravel	Shallow	Fg-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit10	4	0.47	5	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit10	5	0.57	10	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit10	6	0.69	10	0	0	0	0	0	Fines	Gravel	Steep	Fg-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit10	7	0.86	10	0	0	0	0	0	Fines	Gravel	Steep	Fg-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit10	8	1.03	10	0	0	0	0	0	Fines	Gravel	Steep	Fg-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit10	9	1.38	10	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit10	10	1.55	20	0	0	0	0	0	Fines	Gravel	Steep	Fg-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit10	11	2.46	5	0	0	0	0	50	Boulder	Gravel	Steep	Bg-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit10	12	2.91	10	0	0	0	0	0	Fines	Gravel	Steep	Fg-St
Condition 3.16	Tatelkuz Lake	2025-08-16	TLLit10	13	3.16	10	0	0	0	0	0	Fines	Gravel	Steep	Fg-St
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit11	0	0	0	0	0	0	0	0	Gravel	Cobble	Shallow	Gc-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit11	1	0.06	0	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit11	2	0.15	0	0	0	0	0	0	Gravel	Fines	Shallow	Gf-Sh
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit11	3	0.27	0	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit11	4	0.38	5	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit11	5	0.57	5	0	0	0	0	0	Fines	Gravel	Steep	Fg-St
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit11	6	0.71	1	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit11	7	0.86	5	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit11	8	1.08	5	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit11	9	1.31	5	0	0	0	0	0	Fines	Gravel	Steep	Fg-St
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit11	10	1.57	5	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit11	11	1.86	0	0	0	0	0	0	Fines	Gravel	Steep	Fg-St
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit11	12	2.13	5	0	0	0	0	0	Fines	Gravel	Steep	Fg-St
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit11	13	2.44	0	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit11	14	2.78	0	0	0	0	0	0	Gravel	Fines	Steep	Gf-St
Condition 3.16	Tatelkuz Lake	2025-08-13	TLLit11	14.5	3.05	5	0	0	0	0	0	Gravel	Fines	Steep	Gf-St

Table A2-13. Lower Chedakuz Creek - Site and Survey Information

Program	Waterbody	Site	Downstream UTM Zone	Downstream UTM Easting	Downstream UTM Northing	Upstream UTM Zone	Upstream UTM Easting	Upstream UTM Northing	Survey Date	Crew Names	Air Temperature (°C)	Cloud Cover (%)	Wind	Precipitation	Comments
Condition 3.16	Chedakuz Creek	CC_MT2	10	385046	5908220	-	-	-	2025-03-09	CHRISTIAN CARNEVALE, JANELLE COLE	0	100	Calm	Flurries	
Condition 3.16	Chedakuz Creek	CC_MT3	10	385053	5907953	-	-	-	2025-03-09	CHRISTIAN CARNEVALE, JANELLE COLE	0	100	Calm	None	
Condition 3.16	Chedakuz Creek	CC_MT6	10	385357	5907800	-	-	-	2025-03-09	CHRISTIAN CARNEVALE, JANELLE COLE	1	100	Calm	None	
Condition 3.16	Chedakuz Creek	CC_EF1	10	385364	5907808	10	385365	5907807	2025-07-09	JESSICA COURTIER, CHRISTIAN CARNEVALE, JAMES GEORGE	20	50	Light	None	Low flow conditions
Condition 3.16	Chedakuz Creek	CC_EF2	10	385047	5907963	10	385046	5907959	2025-07-09	JESSICA COURTIER, CHRISTIAN CARNEVALE, JAMES GEORGE	22	25	Calm	None	Seining test only completed on this date
Condition 3.16	Chedakuz Creek	CC_EF2	10	385051	5907956	10	385049	5907951	2025-07-10	JESSICA COURTIER, CHRISTIAN CARNEVALE, JAMES GEORGE	20	0	Calm	None	Low flow conditions
Condition 3.16	Chedakuz Creek	CC_EF3	10	385025	5908250	10	385025	5908247	2025-07-10	JESSICA COURTIER, CHRISTIAN CARNEVALE, JAMES GEORGE	24	0	Calm	None	Low flow conditions. Section deep, approximately 0.5 to 0.75 m. Substrates silt, gravels. Soft with aquatic vea and algal growth.
Condition 3.16	Chedakuz Creek	CC_MT1	10	385023	5908266	-	-	-	2025-09-17	JESSICA COURTIER, JAMES GEORGE	15	75	Calm	None	
Condition 3.16	Chedakuz Creek	CC_MT2	10	385031	5908234	-	-	-	2025-09-17	JESSICA COURTIER, JAMES GEORGE	17	75	Calm	None	
Condition 3.16	Chedakuz Creek	CC_MT9	10	385089	5908154	-	-	-	2025-09-17	JESSICA COURTIER, JAMES GEORGE	17	75	Calm	None	
Condition 3.16	Chedakuz Creek	CC_MT10	10	385062	5908049	-	-	-	2025-09-17	JESSICA COURTIER, JAMES GEORGE	17	75	Calm	None	
Condition 3.16	Chedakuz Creek	CC_MT3	10	385046	5907962	-	-	-	2025-09-17	JESSICA COURTIER, JAMES GEORGE	17	75	Calm	None	
Condition 3.16	Chedakuz Creek	CC_MT4	10	385109	5907913	-	-	-	2025-09-17	JESSICA COURTIER, JAMES GEORGE	17	75	Calm	None	
Condition 3.16	Chedakuz Creek	CC_MT5	10	385191	5907836	-	-	-	2025-09-17	JESSICA COURTIER, JAMES GEORGE	17	75	Calm	None	
Condition 3.16	Chedakuz Creek	CC_MT6	10	385348	5907796	-	-	-	2025-09-17	JESSICA COURTIER, JAMES GEORGE	18	75	Calm	None	
Condition 3.16	Chedakuz Creek	CC_MT7	10	385376	5907809	-	-	-	2025-09-17	JESSICA COURTIER, JAMES GEORGE	18	75	Calm	None	
Condition 3.16	Chedakuz Creek	CC_MT8	10	385395	5907755	-	-	-	2025-09-17	JESSICA COURTIER, JAMES GEORGE	18	75	Calm	None	
Condition 3.16	Chedakuz Creek	CC_3.16	10	385028	5908261	10	385425	5907742	2025-07-18	CAROLINE FARKAS, SYDNEY REIMER	22	25	Calm	Intermittent Rain Shower	FHAP Only
Condition 3.16	Chedakuz Creek	CC_3.16	10	385028	5908261	10	385425	5907742	2025-07-22	SYDNEY REIMER, KRIS MELYNCHUK (BWG)	17	0	Light	None	
Condition 3.16	Chedakuz Creek	CC_3.16	10	385028	5908261	10	385425	5907742	2025-07-29	CHRISTIAN CARNEVALE, JOEL GUSTAVSON	30	75	Calm	None	
Condition 3.16	Chedakuz Creek	CC_3.16	10	385028	5908261	10	385425	5907742	2025-08-05	BRADEN ARSENAULT, JOEL GUSTAVSON	20	100	Calm	Light Rain	
Condition 3.16	Chedakuz Creek	CC_3.16	10	385028	5908261	10	385425	5907742	2025-08-12	BRADEN ARSENAULT, TATE FOWLER (BWG)	23	25	Strong	None	The site has dense aquatic weed growth coming to the surface in multiple sections of the stream. Some areas the aquatic vegetation is in earlv staages of decav.
Condition 3.16	Chedakuz Creek	CC_3.16	10	385028	5908261	10	385425	5907742	2025-08-19	CAROLINE FARKAS, SYDNEY REIMER	12	100	Light	None	
Condition 3.16	Chedakuz Creek	CC_3.16	10	385028	5908261	10	385425	5907742	2025-08-26	CAROLINE FARKAS, SYDNEY REIMER	32	0	Calm	None	
Condition 3.16	Chedakuz Creek	CC_3.16	10	385028	5908261	10	385425	5907742	2025-09-02	BRADEN ARSENAULT, JOEL GUSTAVSON	14	100	Calm	None	Shallow water with minimal flow. No Kokanee observed.
Condition 3.16	Chedakuz Creek	CC_3.16	10	385028	5908261	10	385425	5907742	2025-09-09	BRADEN ARSENAULT, JOEL GUSTAVSON	18	0	Light	None	
Condition 3.16	Chedakuz Creek	CC_3.16	10	385028	5908261	10	385425	5907742	2025-09-16	CHRISTIAN CARNEVALE, KIM KAISER (BWG)	25	0	Light	None	

Table A2-14. Lower Chedakuz Creek - Water Quality Data

Program	Waterbody	Site	Date	Channel Location	Temperature (°C)	pH	Dissolved Oxygen (mg/L)	Dissolved Oxygen (% saturation)	Specific Conductance (µS/cm)	Conductivity (µS/cm)	Turbidity (NTU)	Water Quality Comments
Condition 3.16	Chedakuz Creek	CC_MT2	2025-03-09	Downstream	1.6	7.76	11.07	79.1	139.8	77.3	0.00	
Condition 3.16	Chedakuz Creek	CC_MT2	2025-03-09	Middle	1.6	7.65	11.05	79.1	140.0	77.4	0.02	
Condition 3.16	Chedakuz Creek	CC_MT2	2025-03-09	Upstream	1.6	7.78	11.04	78.6	139.9	77.3	0.01	
Condition 3.16	Chedakuz Creek	CC_MT3	2025-03-09	Downstream	1.9	7.90	11.95	86.1	139.2	77.7	0.28	
Condition 3.16	Chedakuz Creek	CC_MT3	2025-03-09	Middle	1.9	7.92	11.95	86.2	139.3	77.7	0.20	
Condition 3.16	Chedakuz Creek	CC_MT3	2025-03-09	Upstream	1.9	7.91	11.64	83.9	139.1	77.8	0.23	
Condition 3.16	Chedakuz Creek	CC_MT6	2025-03-09	Downstream	2	7.88	11.54	83.5	139.7	78.3	1.58	
Condition 3.16	Chedakuz Creek	CC_MT6	2025-03-09	Middle	2	7.87	11.52	83.1	139.7	78.4	1.45	
Condition 3.16	Chedakuz Creek	CC_MT6	2025-03-09	Upstream	2	7.87	11.27	81.5	139.9	78.3	1.59	
Condition 3.16	Chedakuz Creek	CC_EF1	2025-07-09	-	14.8	8.33	9.36	102.8	153.0	123.1	-	Lamotte not working correctly - no turbidity measurement taken.
Condition 3.16	Chedakuz Creek	CC_EF2	2025-07-09	-	14.8	8.33	9.40	102.8	153.0	123.1	-	Lamotte not working correctly - no turbidity measurement taken.
Condition 3.16	Chedakuz Creek	CC_EF2	2025-07-10	-	13.4	8.27	9.32	99.2	157.6	122.8	1.56	
Condition 3.16	Chedakuz Creek	CC_EF3	2025-07-10	-	17.6	8.40	8.51	101.8	157.2	134.8	0.85	
Condition 3.16	Chedakuz Creek	CC_MT1	2025-09-17	-	13.9	8.31	6.04	65.0	142.1	112.0	2.14	
Condition 3.16	Chedakuz Creek	CC_MT2	2025-09-17	-	14	8.25	6.56	71.1	142.1	112.3	2.60	
Condition 3.16	Chedakuz Creek	CC_MT9	2025-09-17	-	14.1	8.52	6.89	75.4	141.3	112.0	1.81	
Condition 3.16	Chedakuz Creek	CC_MT10	2025-09-17	-	14.7	8.74	7.29	80.1	140.4	112.7	2.94	
Condition 3.16	Chedakuz Creek	CC_MT3	2025-09-17	-	14.6	8.74	7.38	80.8	140.1	112.4	3.67	
Condition 3.16	Chedakuz Creek	CC_MT4	2025-09-17	-	14.6	8.77	7.66	84.2	140.0	112.3	4.89	
Condition 3.16	Chedakuz Creek	CC_MT5	2025-09-17	-	14.8	8.78	7.60	83.8	139.7	112.5	2.47	
Condition 3.16	Chedakuz Creek	CC_MT6	2025-09-17	-	15.2	8.86	7.48	83.3	139.2	113.2	3.10	
Condition 3.16	Chedakuz Creek	CC_MT7	2025-09-17	-	15.2	8.83	7.62	84.6	139.1	113.1	3.07	
Condition 3.16	Chedakuz Creek	CC_MT8	2025-09-17	-	15.8	8.90	7.62	85.3	139.0	114.5	1.90	
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-22	Downstream	16.1	8.43	11.25	115.0	178.0	147.8	1.53	
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-22	Upstream	18.3	8.52	10.20	110.4	176.9	154.1	1.63	
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-29	Downstream	22.8	8.84	10.60	-	145.5	153.1	2.35	
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-29	Upstream	23.8	9.04	10.53	-	143.1	154.1	1.20	
Condition 3.16	Chedakuz Creek	CC_3.16	2025-08-05	Downstream	18.8	9.2	8.50	118.6	142.1	138.8	0.00	
Condition 3.16	Chedakuz Creek	CC_3.16	2025-08-05	Upstream	18.6	9.24	8.61	114.4	134.1	121.4	0.00	
Condition 3.16	Chedakuz Creek	CC_3.16	2025-08-12	Downstream	20.1	9.17	9.42	106.6	148.4	134.6	1.70	
Condition 3.16	Chedakuz Creek	CC_3.16	2025-08-12	Upstream	19.1	8.97	9.55	105.5	152.2	134.9	1.26	
Condition 3.16	Chedakuz Creek	CC_3.16	2025-08-19	Downstream	17.1	9.14	-	-	163.3	138.6	0.81	
Condition 3.16	Chedakuz Creek	CC_3.16	2025-08-19	Upstream	17.4	8.96	10.27	109.2	165.5	141.2	0.09	
Condition 3.16	Chedakuz Creek	CC_3.16	2025-08-26	Downstream	21	9.1	10.15	-	131.2	133.7	0.00	
Condition 3.16	Chedakuz Creek	CC_3.16	2025-08-26	Upstream	22	9	9.75	-	137.6	143.0	0.00	
Condition 3.16	Chedakuz Creek	CC_3.16	2025-09-02	Downstream	16.4	8.04	7.60	76.4	177.9	148.8	0.00	
Condition 3.16	Chedakuz Creek	CC_3.16	2025-09-02	Upstream	7.4	8.73	7.89	82.4	173.6	148.2	0.85	
Condition 3.16	Chedakuz Creek	CC_3.16	2025-09-09	Downstream	18.4	8.67	7.89	82.3	167.8	146.7	0.11	
Condition 3.16	Chedakuz Creek	CC_3.16	2025-09-09	Upstream	19.7	8.62	7.54	76.2	196.8	152.7	0.72	
Condition 3.16	Chedakuz Creek	CC_3.16	2025-09-16	Downstream	18.5	8.85	12.01	-	141.9	124.5	0.00	
Condition 3.16	Chedakuz Creek	CC_3.16	2025-09-16	Upstream	20	8.66	9.28	104.3	143.5	129.9	13.80	

Table A2-15. Lower Chedakuz Creek - Winter Habitat Data

Program	Waterbody	Site	Date	Transect	Max Depth (m)	Ice Depth (m)	Snow Depth (m)	Wetted Width (m)	Ice Condition	Comments
Condition 3.16	Chedakuz Creek	CC_MT2	2025-03-09	bank	0.47	0	0	14	Stream mostly open and ice free.	Upstream right bank has a section of crusted slush approximately 2cm thick
Condition 3.16	Chedakuz Creek	CC_MT2	2025-03-09	mid	0.61	0	0			
Condition 3.16	Chedakuz Creek	CC_MT2	2025-03-09	bank	0.7	0	0			
Condition 3.16	Chedakuz Creek	CC_MT3	2025-03-09	bank	0.18	0	0	13.8	Ice free at the time of survey.	
Condition 3.16	Chedakuz Creek	CC_MT3	2025-03-09	mid	0.26	0	0			
Condition 3.16	Chedakuz Creek	CC_MT3	2025-03-09	bank	0.43	0	0			
Condition 3.16	Chedakuz Creek	CC_MT6	2025-03-09	bank	0.22	0	0	14.9	Ice free at time of survey	
Condition 3.16	Chedakuz Creek	CC_MT6	2025-03-09	mid	0.3	0	0			
Condition 3.16	Chedakuz Creek	CC_MT6	2025-03-09	bank	0.59	0	0			

Table A2-16. Lower Chedakuz Creek - FHAP Stream Measurements

Program	Waterbody	Site	Date	UTM Zone	UTM Easting	UTM Northing	UTM Location	Habitat Unit Number	Habitat Unit Category	Habitat Unit Type	Habitat Unit Length (m)	Gradient (%)	Detailed Habitat Information	Disturbance Indicators	Barriers	Pool Type	Channel Width 1 (m)	Channel Width 2 (m)	Channel Width 3 (m)	Average Channel Width (m)	Wetted Width 1 (m)	Wetted Width 2 (m)	Wetted Width 3 (m)	Average Wetted Width (m)	Bankful Depth 1 (m)	Bankful Depth 2 (m)	Bankful Depth 3 (m)	Average Bankful Depth (m)	Water Depth 1 (m)	Water Depth 2 (m)	Water Depth 3 (m)	Average Water Depth (m)	Maximum Pool Depth (m)	Riffle Crest Depth (m)	Res. Pool Depth (m)	Comments
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	10	385025	5908259	Downstream End	1	1	Glide	353.4	1	Yes	EB, FP	None	-	14.00	14.50	16.30	14.93	14	13.60	14.80	14.13	0.81	0.95	0.81	0.86	0.55	0.54	0.36	0.48	-	-	-	-
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	10	385058	5907939	Downstream End	2	1	Pool	18.1	1	Yes	EB	None	Scour	15.50	18.80	19.70	18.00	13.6	17.30	18.10	16.33	0.85	0.89	0.92	0.89	0.41	0.54	0.56	0.50	0.57	0.17	0.40	-
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	10	385066	5907936	Downstream End	3	1	Glide	194.4	1	No	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	10	385224	5907830	Downstream End	4	1	Pool	13.5	1	No	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	10	385238	5907826	Downstream End	5	1	Glide	58.5	1	Yes	EB, FP	None	-	22.50	17.40	14.80	18.23	18.7	16.60	13.10	16.13	0.86	0.91	0.87	0.88	0.45	0.44	0.40	0.43	-	-	-	-
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	10	385354	5907796	Downstream End	6	1	Pool	56	1	Yes	EB	None	Scour	23.90	35.70	38.10	32.57	17.8	30.30	32.40	26.83	0.91	2.50	1.16	1.52	0.47	2.00	0.70	1.06	2.00	0.24	1.76	-
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	10	385392	5907813	Downstream End	7	1	Glide	63.3	1	No	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table A2-17. Lower Chedakuz Creek - FHAP Materials and Cover																							
Program	Waterbody	Site	Date	Habitat Unit Number	Bed Material - Dominant	Bed Material - Subdominant	Large Woody Debris (10-20 cm)	Large Woody Debris (20-50 cm)	Large Woody Debris (>50 cm)	Large Woody Debris (Total)	Dominant Cover Type	Dominant Cover (%)	Subdominant Cover Type	Sub-dominant Cover (%)	Riparian Vegetation Canopy Cover (%)	Riparian Vegetation Type	Riparian Vegetation Stage	Spawning Gravel Type	Spawning Gravel Amount	Offchannel Habitat Type	Offchannel Habitat Access	Offchannel Habitat Length (m)	Comments
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	1	Fines	Gravels	5	5	0	10	Instream Vegetation	30	Small Woody Debris	5	1-20%	Shrub / Herb	Shrub / Herb	Both	Low	Off-channel Pond	Most Flows	15.0	
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	2	Fines	Gravels	0	2	0	2	Instream Vegetation	40	Large Woody Debris	2	0%	Shrub / Herb	Shrub / Herb	Both	None	-	-	-	
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	5	Fines	Gravels	0	3	0	3	Instream Vegetation	40	Overhanging Vegetation	5	0%	Shrub / Herb	Shrub / Herb	Both	Low	-	-	-	
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	6	Fines	Gravels	0	2	0	2	Deep Pool	75	Instream Vegetation	30	0%	Shrub / Herb	Shrub / Herb	Both	Low	-	-	-	
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table A2-18. Lower Chedakuz Creek - FHAP Discharge Measurements

Program	Waterbody	Site	Date	Distance (m)	Depth (m)	Width (m)	Velocity @ 20% (m/s)	Velocity @ 40% (m/s)	Velocity @ 80% (m/s)	Interval Discharge (m ³ /s)
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	0.00	0.00	0.25	-	0.00	-	0.0000
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	0.50	0.07	0.50	-	0.00	-	0.0000
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	1.00	0.24	0.50	-	0.08	-	0.0096
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	1.50	0.30	0.50	-	0.09	-	0.0135
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	2.00	0.37	0.50	-	0.13	-	0.0241
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	2.50	0.40	0.50	-	0.11	-	0.0220
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	3.00	0.42	0.50	-	0.15	-	0.0315
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	3.50	0.44	0.50	-	0.09	-	0.0198
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	4.00	0.48	0.50	-	0.06	-	0.0144
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	4.50	0.49	0.50	-	0.11	-	0.0270
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	5.00	0.48	0.50	-	0.13	-	0.0312
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	5.50	0.48	0.50	-	0.14	-	0.0336
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	6.00	0.45	0.50	-	0.15	-	0.0338
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	6.50	0.45	0.50	-	0.15	-	0.0338
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	7.00	0.46	0.50	-	0.07	-	0.0161
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	7.50	0.44	0.50	-	0.12	-	0.0264
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	8.00	0.40	0.50	-	0.09	-	0.0180
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	8.50	0.38	0.50	-	0.09	-	0.0171
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	9.00	0.35	0.50	-	0.08	-	0.0140
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	9.50	0.34	0.50	-	0.04	-	0.0068
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	10.00	0.33	0.50	-	0.01	-	0.0017
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	10.50	0.32	0.50	-	0.01	-	0.0016
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	11.00	0.32	0.50	-	0.02	-	0.0032
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	11.50	0.34	0.50	-	0.02	-	0.0034
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	12.00	0.35	0.50	-	0.01	-	0.0018
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	12.50	0.34	0.50	-	0.00	-	0.0000
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	13.00	0.27	0.50	-	0.00	-	0.0000
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	13.50	0.21	0.50	-	0.00	-	0.0000
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-18	14.00	0.00	0.25	-	0.00	-	0.0000

Table A2-19. Lower Chedakuz Creek - Electrofishing Sampling Effort

Program	Waterbody	Site	Start Date	End Date	Start Time	End Time	Time Elapsed (hr:mm)	Method	Mthd Number	Pass	Effort (EF Seconds)	Site Length (m)	Average Channel Width (m)	Site Area (m ²)	EF Enclosure	Voltage (V)	Frequency (Hz)	Pulse Width (ms)	EF Make	EF Model	Total Fish Captured	Comments
Condition 3.16	Chedakuz Creek	CC_EF1	2025-07-09	2025-07-09	10:59	11:15	00:16	Electrofishing	1	1	478	6	15	90	Closed	400	40	3	Smith-root	LR24	11	
Condition 3.16	Chedakuz Creek	CC_EF1	2025-07-09	2025-07-09	11:39	11:55	00:15	Electrofishing	1	2	490	6	15	90	Closed	400	40	3	Smith-root	LR24	3	
Condition 3.16	Chedakuz Creek	CC_EF1	2025-07-09	2025-07-09	12:04	12:17	00:13	Electrofishingq	1	3	482	6	15	90	Closed	400	40	3	Smith-root	LR24	2	
Condition 3.16	Chedakuz Creek	CC_EF2	2025-07-10	2025-07-10	09:06	09:19	00:12	Electrofishing	1	1	389	6	14.5	87	Closed	400	40	3	Smith-root	LR24	3	
Condition 3.16	Chedakuz Creek	CC_EF2	2025-07-10	2025-07-10	09:24	09:36	00:12	Electrofishing	1	2	387	6	14.5	87	Closed	400	40	3	Smith-root	LR24	2	
Condition 3.16	Chedakuz Creek	CC_EF2	2025-07-10	2025-07-10	09:43	09:53	00:10	Electrofishingq	1	3	320	6	14.5	87	Closed	400	40	3	Smith-root	LR24	0	
Condition 3.16	Chedakuz Creek	CC_EF3	2025-07-10	2025-07-10	12:48	13:10	00:21	Electrofishing	1	1	510	8	12	96	Closed	400	40	3	Smith-root	LR24	5	
Condition 3.16	Chedakuz Creek	CC_EF3	2025-07-10	2025-07-10	13:31	13:49	00:18	Electrofishing	1	2	501	8	12	96	Closed	400	40	3	Smith-root	LR24	2	
Condition 3.16	Chedakuz Creek	CC_EF3	2025-07-10	2025-07-10	14:05	14:23	00:18	Electrofishing	1	3	487	8	12	96	Closed	400	40	3	Smith-root	LR24	2	Downstream fence on verge of blowing out due to debris build up
Condition 3.16	Chedakuz Creek	CC_EF3	2025-07-10	2025-07-10	14:36	14:50	00:14	Electrofishing	1	4	500	8	12	96	Closed	400	40	3	Smith-root	LR24	1	

Table A2-20. Lower Chedakuz Creek - Minnow Trap and Seine Sampling Effort

Program	Waterbody	Site	Start Date	End Date	Start Time	End Time	Soak time (hrs)	Method	Trap Number	Haul	Set Depth (m)	Number of Traps	Bait	Total Fish Captured	Comments
Condition 3.16	Chedakuz Creek	CC_MT1	2025-09-17	2025-09-18	08:11	08:24	24.22	Minnow Trapping	1	1	0.26	1	Dry cat food	2	
Condition 3.16	Chedakuz Creek	CC_MT1	2025-09-17	2025-09-18	08:12	08:29	24.28	Minnow Trapping	2	1	0.3	1	Dry cat food	5	
Condition 3.16	Chedakuz Creek	CC_MT2	2025-09-17	2025-09-18	08:20	08:40	24.33	Minnow Trapping	1	1	0.55	1	Sardines	1	
Condition 3.16	Chedakuz Creek	CC_MT2	2025-09-17	2025-09-18	08:21	08:43	24.37	Minnow Trapping	2	1	0.3	1	Sardines	1	Near woody debris
Condition 3.16	Chedakuz Creek	CC_MT9	2025-09-17	2025-09-18	08:32	08:51	24.32	Minnow Trapping	1	1	0.29	1	Sardines	2	
Condition 3.16	Chedakuz Creek	CC_MT9	2025-09-17	2025-09-18	08:33	08:55	24.37	Minnow Trapping	2	1	0.32	1	Sardines	12	
Condition 3.16	Chedakuz Creek	CC_MT10	2025-09-17	2025-09-18	08:43	09:14	24.52	Minnow Trapping	1	1	0.16	1	Dry cat food	1	
Condition 3.16	Chedakuz Creek	CC_MT10	2025-09-17	2025-09-18	08:43	09:21	24.63	Minnow Trapping	2	1	0.18	1	Dry cat food	1	
Condition 3.16	Chedakuz Creek	CC_MT3	2025-09-17	2025-09-18	08:52	09:25	24.55	Minnow Trapping	1	1	0.14	1	Sardines	3	
Condition 3.16	Chedakuz Creek	CC_MT3	2025-09-17	2025-09-18	08:53	09:30	24.62	Minnow Trapping	2	1	0.16	1	Sardines	3	
Condition 3.16	Chedakuz Creek	CC_MT4	2025-09-17	2025-09-18	09:02	09:42	24.67	Minnow Trapping	1	1	0.2	1	Dry cat food	0	
Condition 3.16	Chedakuz Creek	CC_MT4	2025-09-17	2025-09-18	09:03	09:44	24.68	Minnow Trapping	2	1	0.17	1	Dry cat food	1	
Condition 3.16	Chedakuz Creek	CC_MT5	2025-09-17	2025-09-18	09:11	09:51	24.67	Minnow Trapping	1	1	0.21	1	Sardines	2	
Condition 3.16	Chedakuz Creek	CC_MT5	2025-09-17	2025-09-18	09:12	09:54	24.70	Minnow Trapping	2	1	0.19	1	Sardines	1	
Condition 3.16	Chedakuz Creek	CC_MT6	2025-09-17	2025-09-18	09:23	10:02	24.65	Minnow Trapping	1	1	0.22	1	Sardines	2	
Condition 3.16	Chedakuz Creek	CC_MT6	2025-09-17	2025-09-18	09:23	10:05	24.70	Minnow Trapping	2	1	0.28	1	Sardines	0	
Condition 3.16	Chedakuz Creek	CC_MT7	2025-09-17	2025-09-18	09:31	10:07	24.60	Minnow Trapping	1	1	0.33	1	Dry cat food	1	
Condition 3.16	Chedakuz Creek	CC_MT7	2025-09-17	2025-09-18	09:31	10:09	24.63	Minnow Trapping	2	1	0.3	1	Dry cat food	0	
Condition 3.16	Chedakuz Creek	CC_MT8	2025-09-17	2025-09-18	09:38	10:13	24.58	Minnow Trapping	1	1	0.22	1	Dry cat food	6	
Condition 3.16	Chedakuz Creek	CC_MT8	2025-09-17	2025-09-18	09:38	10:20	24.70	Minnow Trapping	2	1	0.22	1	Dry cat food	2	
Condition 3.16	Chedakuz Creek	CC_EF1	2025-07-09	2025-07-09	13:06	13:08	-	Seining	2	1	-	-	-	11	10 m x 2 m seine net used
Condition 3.16	Chedakuz Creek	CC_EF2	2025-07-09	2025-07-09	14:31	14:35	-	Seining	2	1	-	-	-	3	10 m x 2 m seine net used
Condition 3.16	Chedakuz Creek	CC_EF2	2025-07-09	2025-07-09	14:37	14:50	-	Seining	2	2	-	-	-	0	10 m x 2 m seine net used

Table A2-21. Lower Chedakuz Creek - Individual Fish Data

Program	Waterbody	Site	Date	Sampling Method	Mthd / Set Number	Pass	Count	Species	Fish ID	Length (mm)	Weight (g)	Fulton's Condition Factor	Stage	Activity	Sex	Maturity	Tags/Marks Present at Capture	Tags/Marks Applied	Parasites	DELTS	Fate	Mortality Cause	Comments
Condition 3.16	Chedakuz Creek	CC_EF1	2025-07-09	Electrofishing	1	1	1	Prickly Sculpin	CC_MT6 / CC_EF1-250709-CAS-1B06	45	1.8	1.98	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF1	2025-07-09	Electrofishing	1	1	1	Prickly Sculpin	CC_MT6 / CC_EF1-250709-CAS-0C1C	57	2.9	1.57	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF1	2025-07-09	Electrofishing	1	1	1	Prickly Sculpin	CC_MT6 / CC_EF1-250709-CAS-1542	51	2.3	1.73	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF1	2025-07-09	Electrofishing	1	1	1	Prickly Sculpin	CC_MT6 / CC_EF1-250709-CAS-C068	80	8.6	1.68	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF1	2025-07-09	Electrofishing	1	1	1	Prickly Sculpin	CC_MT6 / CC_EF1-250709-CAS-A442	54	2.2	1.40	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF1	2025-07-09	Electrofishing	1	1	1	Prickly Sculpin	CC_MT6 / CC_EF1-250709-CAS-2AE4	34	0.7	1.8	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF1	2025-07-09	Electrofishing	1	1	1	Largescale Sucker	CC_MT6 / CC_EF1-250709-CSU-2896	40	0.9	1.4	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF1	2025-07-09	Electrofishing	1	1	1	Prickly Sculpin	CC_MT6 / CC_EF1-250709-CAS-8E13	36	0.4	0.9	Juvenile	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF1	2025-07-09	Electrofishing	1	1	1	Prickly Sculpin	CC_MT6 / CC_EF1-250709-CAS-F233	39	1.0	1.7	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF1	2025-07-09	Electrofishing	1	1	1	Prickly Sculpin	CC_MT6 / CC_EF1-250709-CAS-6338	47	1.7	1.6	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF1	2025-07-09	Electrofishing	1	1	1	Prickly Sculpin	CC_MT6 / CC_EF1-250709-CAS-FE6D	40	0.8	1.3	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF1	2025-07-09	Electrofishing	1	1	1	Prickly Sculpin	CC_MT6 / CC_EF1-250709-CAS-ECD9	40	1.1	1.72	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF1	2025-07-09	Electrofishing	1	2	1	Prickly Sculpin	CC_MT6 / CC_EF1-250709-CAS-B5FE	55	2.1	1.26	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Mortality	Electrofishing injury	
Condition 3.16	Chedakuz Creek	CC_EF1	2025-07-09	Electrofishing	1	2	1	Prickly Sculpin	CC_MT6 / CC_EF1-250709-CAS-D479	62	3.2	1.3	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF1	2025-07-09	Electrofishing	1	2	1	Prickly Sculpin	CC_MT6 / CC_EF1-250709-CAS-572D	59	3.1	1.5	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF1	2025-07-09	Electrofishing	1	3	1	Rainbow Trout	CC_MT6 / CC_EF1-250709-RB-8E42	82	6.5	1.18	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF1	2025-07-09	Electrofishing	1	3	1	Prickly Sculpin	CC_MT6 / CC_EF1-250709-CAS-D6D9	73	5.2	1.34	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF1	2025-07-09	Seining	2	1	1	Kokanee	CC_MT6 / CC_EF1-250709-KO-36EC	48	1.0	0.90	Fry	Migrating	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF1	2025-07-09	Seining	2	1	1	Kokanee	CC_MT6 / CC_EF1-250709-KO-45D6	55	1.5	0.90	Fry	Migrating	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF1	2025-07-09	Seining	2	1	1	Kokanee	CC_MT6 / CC_EF1-250709-KO-414D	58	1.8	0.92	Fry	Migrating	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF1	2025-07-09	Seining	2	1	1	Kokanee	CC_MT6 / CC_EF1-250709-KO-CSD6	54	1.2	0.76	Fry	Migrating	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF1	2025-07-09	Seining	2	1	1	Kokanee	CC_MT6 / CC_EF1-250709-KO-1026	48	1.0	0.90	Fry	Migrating	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF1	2025-07-09	Seining	2	1	1	Kokanee	CC_MT6 / CC_EF1-250709-KO-3DC9	57	1.5	0.81	Fry	Migrating	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF1	2025-07-09	Seining	2	1	1	Kokanee	CC_MT6 / CC_EF1-250709-KO-D2F3	55	1.8	1.08	Fry	Migrating	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF1	2025-07-09	Seining	2	1	1	Kokanee	CC_MT6 / CC_EF1-250709-KO-9675	46	0.8	0.82	Fry	Migrating	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF1	2025-07-09	Seining	2	1	1	Kokanee	CC_MT6 / CC_EF1-250709-KO-CCCO	44	0.9	1.06	Fry	Migrating	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF1	2025-07-09	Seining	2	1	1	Kokanee	CC_MT6 / CC_EF1-250709-KO-042C	45	0.8	0.88	Fry	Migrating	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF1	2025-07-09	Seining	2	1	1	Kokanee	CC_MT6 / CC_EF1-250709-KO-BAD7	46	1.2	1.23	Fry	Migrating	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF2	2025-07-09	Seining	2	1	1	Kokanee	CC_MT3 / CC_EF2-250709-KO-76C1	51	1.3	0.98	Fry	Migrating	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF2	2025-07-09	Seining	2	1	1	Kokanee	CC_MT3 / CC_EF2-250709-KO-BD89	56	1.3	0.74	Fry	Migrating	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF2	2025-07-09	Seining	2	1	1	Kokanee	CC_MT3 / CC_EF2-250709-KO-4C98	53	1.2	0.81	Fry	Migrating	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF2	2025-07-10	Electrofishing	1	1	1	Prickly Sculpin	CC_MT3 / CC_EF2-250710-CAS-3C25	38	0.7	1.28	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF2	2025-07-10	Electrofishing	1	1	1	Prickly Sculpin	CC_MT3 / CC_EF2-250710-CAS-BD48	45	1.3	1.43	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF2	2025-07-10	Electrofishing	1	1	1	Rainbow Trout	CC_MT3 / CC_EF2-250710-RB-F016	34	0.4	1.02	Fry	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF2	2025-07-10	Electrofishing	1	2	1	Prickly Sculpin	CC_MT3 / CC_EF2-250710-CAS-33FC	38	0.6	1.09	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF2	2025-07-10	Electrofishing	1	2	1	Prickly Sculpin	CC_MT3 / CC_EF2-250710-CAS-7781	48	1.5	1.36	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF3	2025-07-10	Electrofishing	1	1	1	Rainbow Trout	CC_MT2 / CC_EF3-250710-RB-1790	103	9.6	0.88	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF3	2025-07-10	Electrofishing	1	1	1	Prickly Sculpin	CC_MT2 / CC_EF3-250710-CAS-F4CE	50	1.6	1.28	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF3	2025-07-10	Electrofishing	1	1	1	Prickly Sculpin	CC_MT2 / CC_EF3-250710-CAS-0E3B	105	17.0	1.47	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF3	2025-07-10	Electrofishing	1	1	1	Prickly Sculpin	CC_MT2 / CC_EF3-250710-CAS-41D6	92	11.4	1.46	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF3	2025-07-10	Electrofishing	1	1	1	Longnose Sucker	CC_MT2 / CC_EF3-250710-LSU-916E	76	5.4	1.23	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF3	2025-07-10	Electrofishing	1	2	1	Kokanee	CC_MT2 / CC_EF3-250710-KO-14D5	34	0.4	1.02	Fry	Migrating	Undetermined	Undetermined	None	None	None	None	Mortality	Electrofishing injury	
Condition 3.16	Chedakuz Creek	CC_EF3	2025-07-10	Electrofishing	1	3	1	Prickly Sculpin	CC_MT2 / CC_EF3-250710-CAS-FC45	46	1.4	1.44	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF3	2025-07-10	Electrofishing	1	3	1	Longnose Sucker	CC_MT2 / CC_EF3-250710-LSU-8575	85	6.4	1.04	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_EF3	2025-07-10	Electrofishing	1	2	1	Longnose Sucker	CC_MT2 / CC_EF3-250710-LSU-C2A4	63	2.7	1.08	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Mortality	Electrofishing injury	Found dead at beginning of third pass
Condition 3.16	Chedakuz Creek	CC_EF3	2025-07-10	Electrofishing	1	4	1	Kokanee	CC_MT2 / CC_EF3-250710-KO-9C3C	49	1.2	1.02	Fry	Migrating	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_MT1	2025-09-18	Minnow Trapping	1	1	1	Largescale Sucker	CC_MT1-250918-CSU-0D22	65	3.1	1.13	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_MT1	2025-09-18	Minnow Trapping	1	1	1	Longnose Sucker	CC_MT1-250918-LSU-6232	90	8.4	1.15	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_MT1	2025-09-18	Minnow Trapping	2	1	1	Longnose Sucker	CC_MT1-250918-LSU-48A6	58	2.6	1.33	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_MT1	2025-09-18	Minnow Trapping	2	1	1	Longnose Sucker	CC_MT1-250918-LSU-0562	53	2.0	1.34	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_MT1	2025-09-18	Minnow Trapping	2	1	1	Longnose Sucker	CC_MT1-250918-LSU-6E7D	53	0.9	0.60	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		JC phone
Condition 3.16	Chedakuz Creek	CC_MT1	2025-09-18	Minnow Trapping	2	1	1	Longnose Sucker	CC_MT1-250918-LSU-7A1A	47	1.1	1.06	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_MT1	2025-09-18	Minnow Trapping	2	1	1	Prickly Sculpin	CC_MT1-250918-CAS-1905	47	1.3	1.25	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_MT2	2025-09-18	Minnow Trapping	1	1	1	Longnose Sucker	CC_MT2 / CC_EF3-250918-LSU-6DA5	39	0.6	1.01	Juvenile	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_MT2	2025-09-18	Minnow Trapping	2	1	1	Northern Pike/minnow	CC_MT2 / CC_EF3-250918-NSC-F19E	110	14.8	1.11	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_MT9	2025-09-18	Minnow Trapping	1	1	1	Longnose Sucker	CC_MT9-250918-LSU-BF45	45	1.0	1.10	Juvenile	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_MT9	2025-09-18	Minnow Trapping	1	1	1	Longnose Sucker	CC_MT9-250918-LSU-FC64	56	1.9	1.08	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_MT9	2025-09-18	Minnow Trapping	2	1	1	Longnose Sucker	CC_MT9-250918-LSU-528A	58	2.1	1.08	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_MT9	2025-09-18	Minnow Trapping	2	1	1	Longnose Sucker	CC_MT9-250918-LSU-56A6	60	2.3	1.06	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_MT9	2025-09-18	Minnow Trapping	2	1	1	Largescale Sucker	CC_MT9-250918-CSU-ECF7	42	1.2	1.62	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek																						

Table A2-21. Lower Chedakuz Creek - Individual Fish Data

Program	Waterbody	Site	Date	Sampling Method	Mthd / Set Number	Pass	Count	Species	Fish ID	Length (mm)	Weight (g)	Fulton's Condition Factor	Stage	Activity	Sex	Maturity	Tags/Marks Present at Capture	Tags/Marks Applied	Parasites	DELTS	Fate	Mortality Cause	Comments
Condition 3.16	Chedakuz Creek	CC_MT8	2025-09-18	Minnow Trapping	1	1	1	Longnose Sucker	CC_MT8-250918-LSU-7CF8	52	1.3	0.92	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_MT8	2025-09-18	Minnow Trapping	1	1	1	Longnose Sucker	CC_MT8-250918-LSU-6C4C	47	0.9	0.87	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_MT8	2025-09-18	Minnow Trapping	1	1	1	Longnose Sucker	CC_MT8-250918-LSU-CD79	60	2.7	1.25	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_MT8	2025-09-18	Minnow Trapping	1	1	1	Longnose Sucker	CC_MT8-250918-LSU-D816	55	1.9	1.14	Not Specified	Rearing	Undetermined	Immature	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_MT8	2025-09-18	Minnow Trapping	1	1	1	Largescale Sucker	CC_MT8-250918-CSU-0108	33	0.6	1.67	Juvenile	Rearing	Undetermined	Immature	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_MT8	2025-09-18	Minnow Trapping	1	1	1	Prickly Sculpin	CC_MT8-250918-CAS-309B	83	8.6	1.50	Adult	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_MT8	2025-09-18	Minnow Trapping	2	1	1	Longnose Sucker	CC_MT8-250918-LSU-538B	58	2.0	1.03	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		
Condition 3.16	Chedakuz Creek	CC_MT8	2025-09-18	Minnow Trapping	2	1	1	Longnose Sucker	CC_MT8-250918-LSU-9246	49	1.6	1.36	Not Specified	Rearing	Undetermined	Undetermined	None	None	None	None	Released Alive		

Table A2-22. Lower Chedakuz Creek - Kokanee Spawner Survey Data

Program	Waterbody	Site	Survey Date	Start Time (24hr)	End Time (24hr)	Time Elapsed (hrs)	Average Wetted Width (m)	Average Bankfull Width (m)	Holding or Migrating	Spawning	Spent	Total Live	Dead Females	Dead Males	Dead Unknown Sex	Total Dead	# of Redds	% Bankfull	Water Clarity (m)	% Cloud Cover	Brightness	Precipitation	Large Woody Debris	Deep Pools	Undercut Banks	% Crown Closure	Observer Efficiency	Comments
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-22	08:51	09:47	00:56	20.00	21.00	0	0	0	0	0	0	0	0	0	25-50%	1-3m	0	Bright	None	Abundant	Abundant	Abundant	1-20%	90	
Condition 3.16	Chedakuz Creek	CC_3.16	2025-07-29	14:38	15:29	00:51	22.80	22.80	0	0	0	0	0	0	0	0	0	25-50%	1-3m	75	Full	None	Moderate	Abundant	Moderate	1-20%	75	
Condition 3.16	Chedakuz Creek	CC_3.16	2025-08-05	14:44	15:48	01:04	22.57	22.70	1	0	0	1	0	0	0	0	0	25-50%	1-3m	100	Medium	Light Rain	Moderate	Moderate	Abundant	1-20%	85	One Kokanee observed in initial 200 meters. Additional observations included small bodied fish sp., sucker sp., and an adult rainbow trout.
Condition 3.16	Chedakuz Creek	CC_3.16	2025-08-12	13:42	14:52	01:10	19.70	21.63	0	0	0	0	0	0	0	0	0	25-50%	1-3m	50	Bright	None	Trace	Moderate	Abundant	1-20%	85	No Kokanee observed. Small bodied fish and sucker sp. observed.
Condition 3.16	Chedakuz Creek	CC_3.16	2025-08-19	14:19	15:49	01:30	17.80	17.80	1	0	0	1	0	0	0	0	0	25-50%	0.5 - 1m	100	Dark	Light Rain	Trace	Moderate	Abundant	1-20%	95	
Condition 3.16	Chedakuz Creek	CC_3.16	2025-08-26	13:55	15:04	01:09	16.00	16.18	1	0	0	1	0	0	0	0	0	25-50%	1-3m	0	Full	None	Trace	Moderate	Moderate	1-20%	95	
Condition 3.16	Chedakuz Creek	CC_3.16	2025-09-02	09:45	10:49	01:04	21.17	21.57	0	0	0	0	0	0	0	0	0	25-50%	0.25-0.5	100	Medium	None	Moderate	Moderate	Abundant	1-20%	80	No Kokanee observed.
Condition 3.16	Chedakuz Creek	CC_3.16	2025-09-09	13:05	14:31	01:26	19.20	25.03	0	0	0	0	0	1	0	1	0	25-50%	1-3m	0	Full	None	Trace	Moderate	Abundant	1-20%	90	Just one mort collected, no Kokanee observed. Small bodied fish observed.
Condition 3.16	Chedakuz Creek	CC_3.16	2025-09-16	13:42	14:37	00:55	19.80	22.30	0	0	0	0	0	0	0	0	0	25-50%	1-3m	0	Bright	None	Trace	Moderate	Moderate	1-20%	90	

APPENDIX 3

2025 STATISTICAL ANALYSIS RESULTS

Table A3-1. Mann-Kendall trend test on minnow trapping CPUE in Lower Chedakuz Creek, 2021 to 2025

<i>Sampling year</i>	<i>MT CPUE</i>	<i>Kendall's Tau</i>	<i>p-value</i>
2021	0.69	-0.6	0.221
2022	0.32		
2023	0.08		
2024	0.20		
2025	0.09		

Table A3-2. Mann-Kendall trend test on minnow trapped fish Fulton's Condition in Lower Chedakuz Creek, 2021 to 2025

<i>Sampling year</i>	<i>Mean Fulton's Condition (K)</i>	<i>Kendall's Tau</i>	<i>p-value</i>
2021	1.11	0.4	0.462
2022	1.16		
2023	1.13		
2024	1.11		
2025	1.19		

Table A3-3. Anderson-Darling normality test results for Fulton's condition of fish species captured in Lower Chedakuz Creek

<i>Species</i>	<i>Sampling Year</i>	<i>AD statistic</i>	<i>p-value</i>
Kokanee	2022	0.3381	0.456
	2024	0.1938	0.878
	2025	0.2712	0.624
Northern Pikeminnow	2022	1.9236	< 0.0001
	2023	0.6957	0.061
	2024	0.6614	0.075
	2025	-	-
Sculpin sp.	2021	0.8333	0.028
	2022	1.1284	0.003
	2024	0.5464	0.138
	2025	0.3004	0.558
Sucker spp.	2021	3.5380	< 0.0001
	2022	0.7784	0.032
	2024	1.1861	0.004
	2025	0.9004	0.019

Note: Bolded *p*-values indicate data that are non-normally distributed.

Table A3-4. Kruskal-Wallis and Steel-Dwass test results for comparisons of Fulton's condition of fish species captured in Lower Chedakuz Creek between sampling years

<i>Species</i>	<i>Kruskal-Wallis p-value</i>	<i>Sampling Year</i>		<i>p-value</i>	<i>Adjusted p-value</i>
Northern Pikeminnow	0.056	N/A		N/A	N/A
Sculpin sp.	0.0001	2021	2022	0.0003	0.003
		2021	2023	0.3395	0.866
		2021	2024	0.0048	0.037
		2021	2025	0	0.0002
		2022	2023	0.1490	0.557
		2022	2024	0.6412	0.988
		2022	2025	0.8346	0.999
		2023	2024	0.4367	0.922
		2023	2025	0.1458	0.570
		2024	2025	0.7226	0.996
Sucker spp.	0.5813	N/A	N/A	N/A	N/A

Note: Bolded *p*-values indicate a statistically significant ($p < 0.05$) difference.

Table A3-5. Anderson-Darling normality test results for relative condition of fish species captured in Lower Chedakuz Creek between sampling years

<i>Species</i>	<i>Sampling Year</i>	<i>Anderson-Darling statistic</i>	<i>p-value</i>
Kokanee	2022	0.3492	0.428
	2024	0.2133	0.827
	2025	0.2467	0.710
Northern Pikeminnow	2022	2.1084	< 0.0001
	2023	0.7660	0.040
	2024	2.2326	< 0.0001
	2025	-	-
Sculpin sp.	2021	0.6934	0.063
	2022	1.3025	0.001
	2024	0.5778	0.117
	2025	0.2303	0.786
Sucker spp.	2021	12.5118	< 0.0001
	2022	0.9028	0.015
	2024	1.1068	0.006
	2025	0.7133	0.058

Note: Bolded *p*-value results data that is non-normally distributed and require a Kruskal-Wallis test by ranks.

Table A3-6. Kruskal-Wallis test results for comparisons of relative condition of fish species captured in Lower Chedakuz Creek between sampling years

<i>Species</i>	<i>Kruskal-Wallis p-value</i>	<i>Sampling Year</i>		<i>p-value</i>	<i>Adjusted p-value</i>
Northern Pikeminnow	0.1053	N/A		N/A	N/A
Sculpin sp.	< 0.0001	2021	2022	0	0.0002
		2021	2024	0.0002	0.001
		2021	2025	0.0002	0.001
		2022	2024	1	1
		2022	2025	0.0234	0.108
		2024	2025	0.0004	0.003
Sucker spp.	0.504	N/A	N/A	N/A	N/A

Note: Bolded Kruskal-Wallis *p*-value result is statistically significant ($p < 0.05$) and requires pairwise comparisons to determine statistical differences within species.

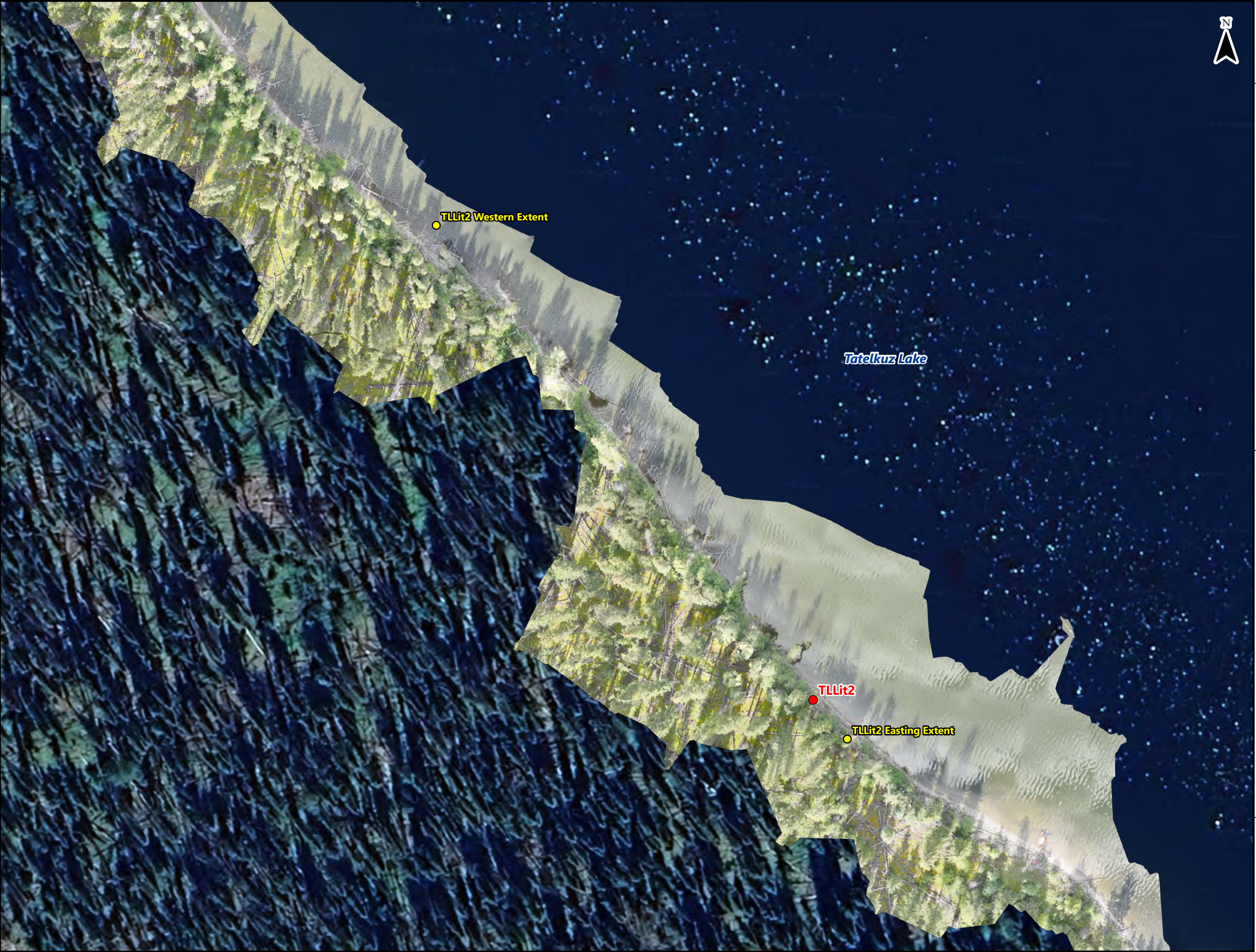
Table A3-7. Kruskal-Wallis length frequency distribution *p*-values for fish captured in Lower Chedakuz Creek

<i>Sampling Method</i>	<i>Species</i>	<i>KW Statistic</i>	<i>Sampling Year</i>		<i>p-value</i>	<i>Adjusted p-value</i>
Electrofishing	Kokanee	26.5799	2022	2024	0.0000	0.000
			2022	2025	0.0131	0.026
			2024	2025	0.6571	0.657
	Sculpin sp.	7.3128	2022	2024	0.0310	0.062
			2022	2025	0.0058	0.017
			2024	2025	0.0827	0.083
Minnow trapping	Northern Pikeminnow	2.2586	N/A	N/A	N/A	N/A
	Rainbow Trout	6.9689	N/A	N/A	N/A	N/A
	Sculpin sp.	2.0348	N/A	N/A	N/A	N/A
	Sucker spp.	79.3165	2021	2022	< 0.0001	< 0.0001
			2021	2023	0.0224	0.090
			2021	2024	< 0.0001	< 0.0001
			2021	2025	< 0.0001	< 0.0001
			2022	2023	0.0037	0.026
			2022	2024	0.4919	0.492
			2022	2025	0.0752	0.226
			2023	2024	0.0065	0.039
			2023	2025	0.0139	0.070
			2024	2025	0.1271	0.254

Note: Pair-wise comparisons required 5 minimum captures per year for each sampling method.

APPENDIX 4

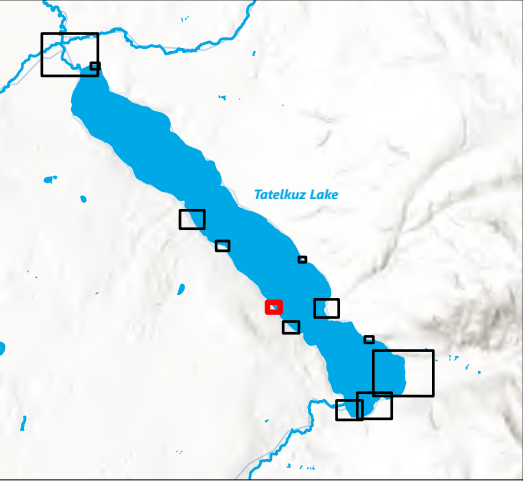
TATELKUZ LAKE AND LOWER CHEDKAKUZ CREEK
AERIAL IMAGERY 2025



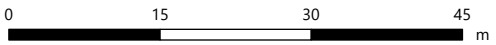
Blackwater Gold Mine

Appendix 4 - Figure 2:
Tatelkuz Lake TLLit2
2025 UAV Imagery

Project No.	Date	Revision
12477	Mar 23, 2026	00
Prepared By	Reviewed By	Page Size
GF	JC	11" x 17"



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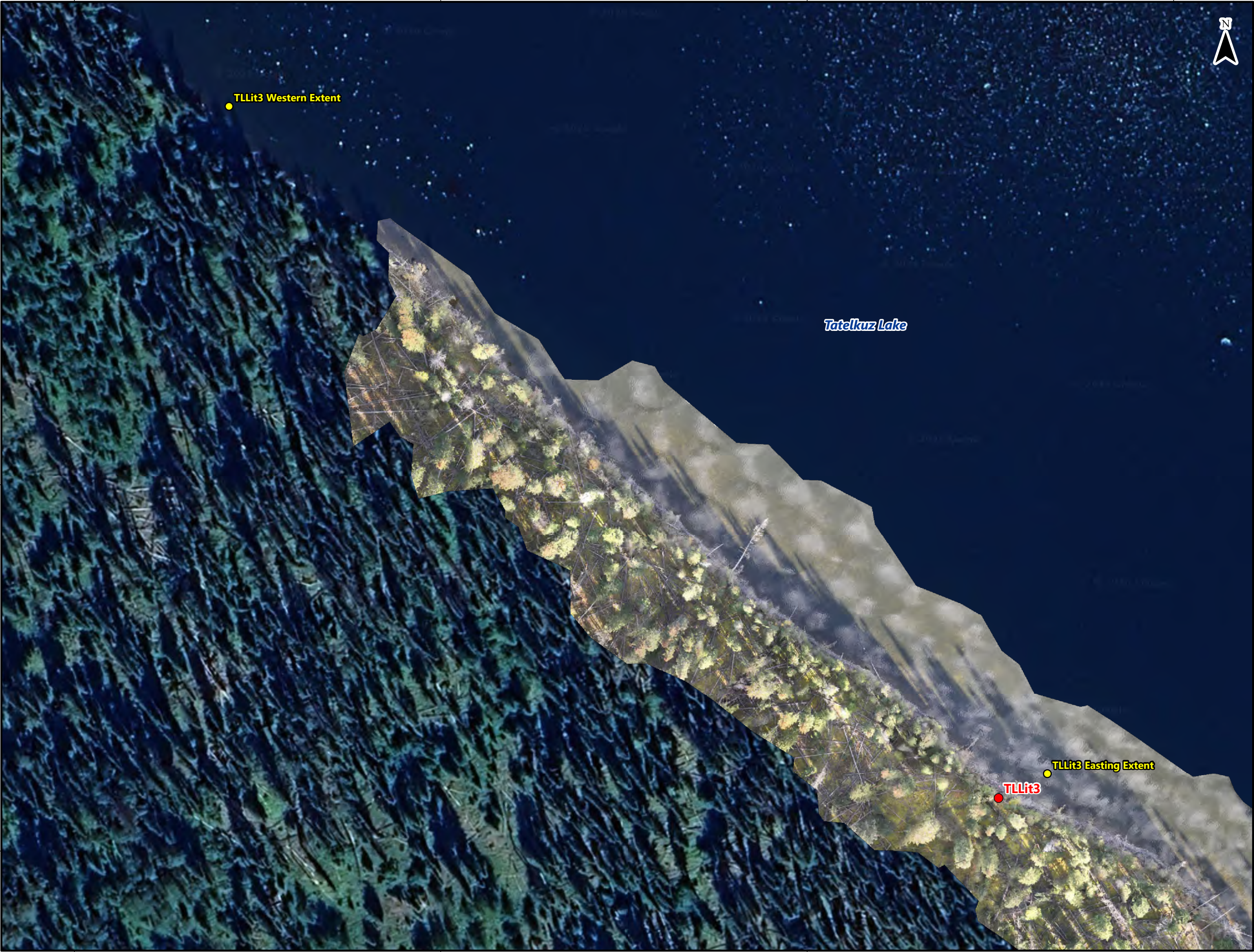
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Projection: NAD 1983 UTM Zone 10N

Base map Source: Google Earth / Client Drone Imagery (Aug 2025)

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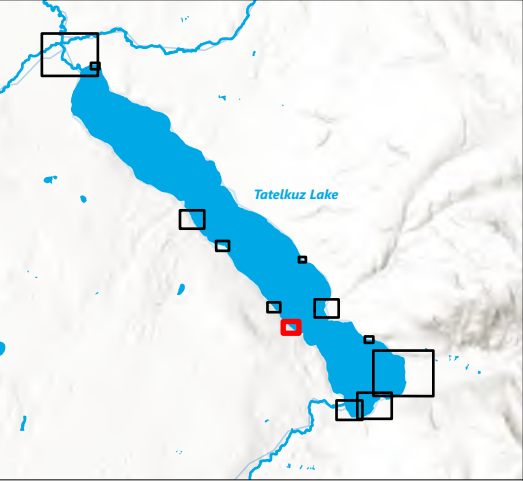




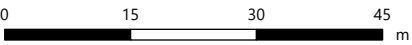
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Appendix 4 - Figure 3:
Tatelkuz Lake TLLit3
2025 UAV Imagery

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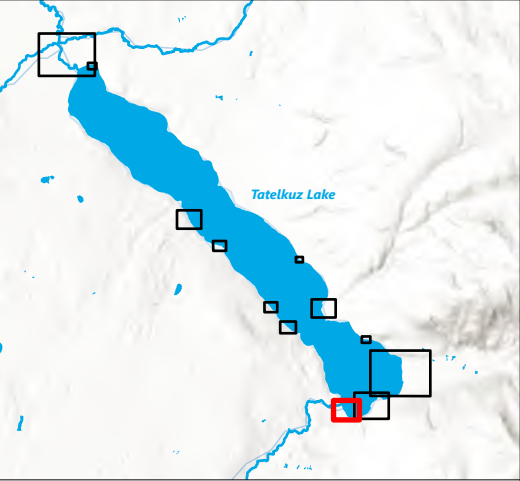




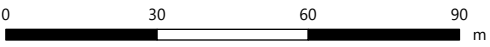
Blackwater Gold Mine

Appendix 4 - Figure 4:
Tatelkuz Lake TLLit4
2025 UAV Imagery

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12477	Mar 23, 2026	00
Prepared By	Reviewed By	Page Size
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Scale: 1:1,500

Projection: NAD 1983 UTM Zone 10N

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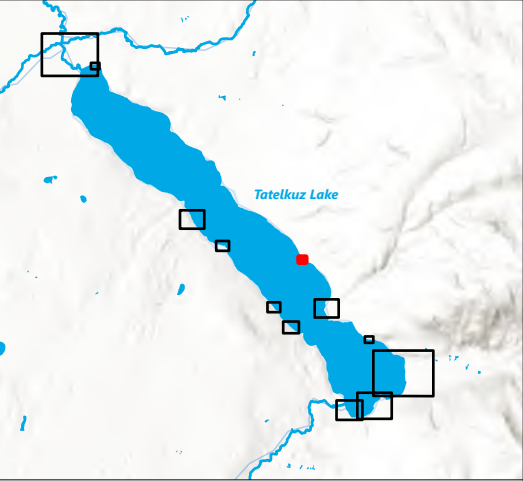




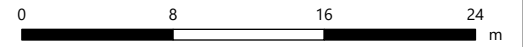
Blackwater Gold Mine

Appendix 4 - Figure 5:
Tatelkuz Lake TLLit5
2025 UAV Imagery

Project No.	Date	Revision
12477	Mar 23, 2026	00
Prepared By	Reviewed By	Page Size
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Appendix 4 - Figure 6: Tatelkuz Lake TLLit6 2025 UAV Imagery

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Scale: 1:3,500

Projection: NAD 1983 UTM Zone 10N

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Blackwater Gold Mine

Appendix 4 - Figure 7: Tatelkuz Lake TLLit7 2025 UAV Imagery

Project No.	Date	Revision
12477	Mar 23, 2026	00
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GF	JC	11" x 17"

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Projection: NAD 1983 UTM Zone 10N

Base map Source: Google Earth / Client Drone Imagery (Aug 2025)

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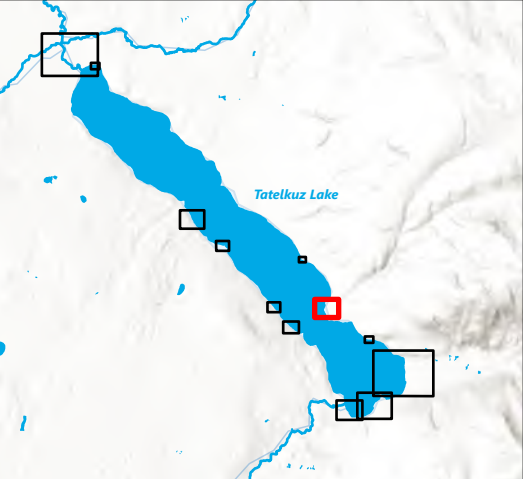
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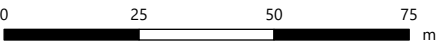
Blackwater Gold Mine

Appendix 4 - Figure 8:
Tatelkuz Lake TLLit8
2025 UAV Imagery

Project No.	Date	Revision
12477	Mar 23, 2026	00
Prepared By	Reviewed By	Page Size
GF	JC	11" x 17"



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- Map Extent



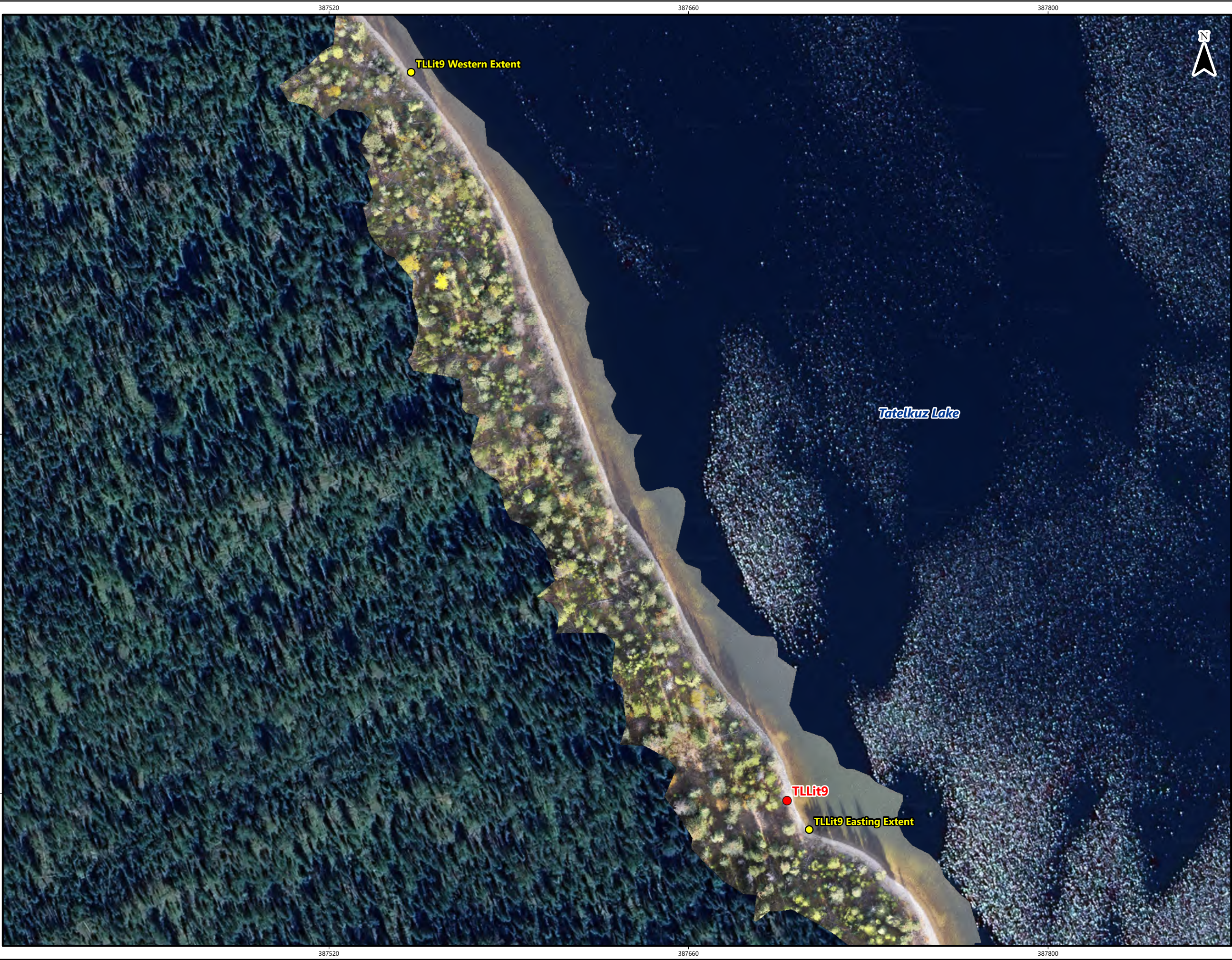
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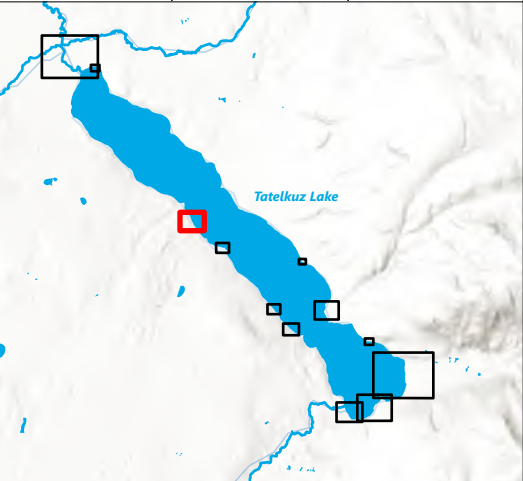




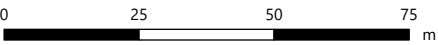
Blackwater Gold Mine

Appendix 4 - Figure 9:
Tatelkuz Lake TLLit9
2025 UAV Imagery

Project No.	Date	Revision
12477	Mar 23, 2026	00
Prepared By	Reviewed By	Page Size
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Scale: 1:1,400

Projection: NAD 1983 UTM Zone 10N

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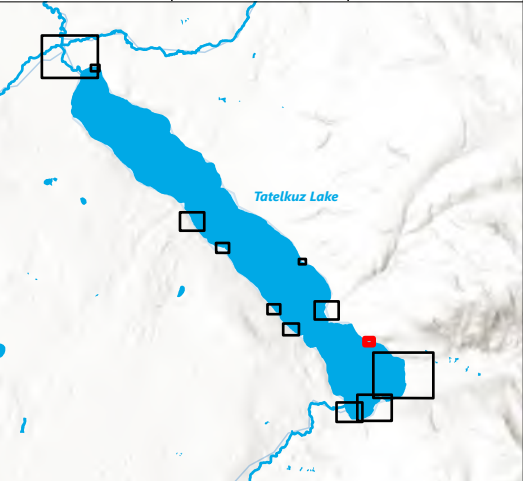




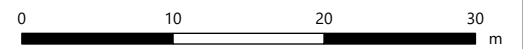
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Appendix 4 - Figure 10:
Tatelkuz Lake TLLit10
2025 UAV Imagery

Project No.	Date	Revision
12477	Mar 23, 2026	00
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Scale: 1:500

Projection: NAD 1983 UTM Zone 10N

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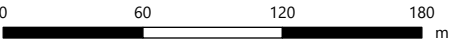
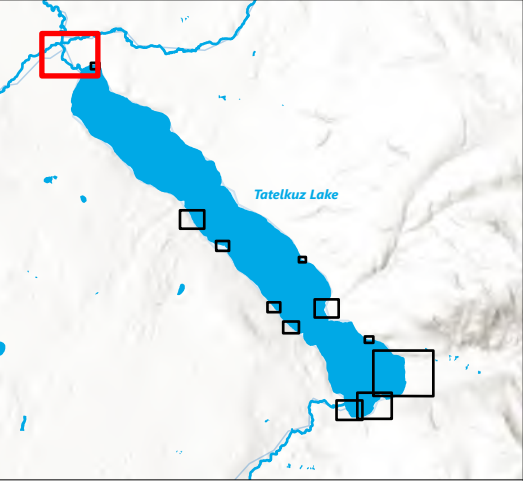




Blackwater Gold Mine

Appendix 4 - Figure 12:
Chedakuz Creek TLLit12
2025 UAV Imagery

Project No. 12477	Date Mar 23, 2026	Revision 00
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Scale: 1:3,250

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APPENDIX 5

SUPPLEMENTARY FIELD DATA

Table A5-1. Total phosphorus and total nitrogen concentrations in Tatelkuz Lake at TL LIM3 from 2021-2025

Year	Month	Total Phosphorus (µg/L)	Total Nitrogen (µg/L)
2025	March	32.6	416
2025	June	15.1	306
2025	August	16.5	421
2025	October	31.2	366
2024	March	29.5	686
2024	June	10.7	278
2024	September	11.2	294
2024	October	12.5	335
2023	January	26.5	414
2023	June	8.8	309
2023	September	12.8	331
2023	November	24.8	408
2022	June	15.8	390
2022	August	7.2	306
2022	October	9.8	290
2021	June	12.8	0
2021	September	7.7	353
2021	November	23.1	362

Table A5-2. Average percent of cover type, substrate, and littoral fish habitat type by depth strata for Tatelkuz Lake, August 2025

Site	Depth Strata (m)	Average Percent Cover Across Transects (%)					Dominant Substrate Type	Subdominant Substrate Type	Shoreline Gradient	Littoral Habitat Type
		Emergent Vegetation	Submergent Vegetation	Rock	Woody Debris	Floating Leaved Vegetation				
TLLit1	0-0.5	0.0	26.5	0.0	0.0	0.0	Fines	Gravel	Shallow	Fg-Sh
	0.5-1	0.0	60.3	0.0	0.0	0.0	Fines	Organics	Shallow	Fo-Sh
	1-2	0.0	97.7	0.0	0.0	0.0	Fines	Organics	Shallow	Fo-Sh
	2-3	0.0	93.8	0.0	0.0	0.0	Fines	Organics	Shallow	Fo-Sh
TLLit2	0-0.5	0.0	0.0	0.0	0.0	0.0	Gravel	Cobble	Shallow	Gc-Sh
	0.5-1	0.0	0.0	5.0	0.0	0.0	Cobble	Gravel	Steep	Cg-St
	1-2	0.0	0.0	11.1	0.0	0.0	Cobble	Boulder	Shallow	Cb-Sh
	2-3	0.0	0.0	7.1	0.0	0.0	Cobble	Gravel	Steep	Cg-St
TLLit3	0-0.5	0.0	0.0	20.0	0.0	0.0	Cobble	Boulder	Shallow	Cb-Sh
	0.5-1	0.0	7.2	9.0	0.0	0.0	Cobble	Gravel	Steep	Cg-St
	1-2	0.0	23.0	7.1	0.0	0.0	Cobble	Gravel	Shallow	Cg-Sh
	2-3	0.0	0.2	0.0	0.0	0.0	Gravel	Cobble	Shallow	Gc-Sh
TLLit4	0-0.5	2.2	2.5	0.0	0.0	0.5	Gravel	Fines	Shallow	Gf-Sh
	0.5-1	0.0	5.2	0.0	0.0	0.0	Gravel	Fines	Shallow	Gf-Sh
	1-2	0.0	56.3	0.0	0.0	0.0	Gravel	Fines	Steep	Gf-St
	2-3	0.0	69.0	0.0	0.0	0.0	Gravel	Fines	Steep	Gf-St
TLLit5	0-0.5	0.0	6.7	0.0	0.0	0.0	Gravel	Fines	Steep	Gf-St
	0.5-1	0.0	30.0	0.0	0.0	0.0	Gravel	Fines	Steep	Gf-St
	1-2	0.0	58.3	0.0	0.0	0.0	Fines	Gravel	Steep	Fg-St
	2-3	0.0	20.0	0.0	0.0	0.0	Gravel	Fines	Steep	Gf-St
TLLit6	0-0.5	1.2	14.0	0.0	0.0	1.9	Fines	Organics	Shallow	Fo-Sh
	0.5-1	0.0	74.0	0.0	0.0	0.0	Fines	Organics	Shallow	Fo-Sh
	1-2	0.0	100.0	0.0	0.0	0.0	Fines	Organics	Steep	Fo-St
	2-3	0.0	100.0	0.0	0.0	0.0	Fines	Organics	Steep	Fo-St

Site	Depth Strata (m)	Average Percent Cover Across Transects (%)					Dominant Substrate Type	Subdominant Substrate Type	Shoreline Gradient	Littoral Habitat Type ¹
		Emergent Vegetation	Submergent Vegetation	Rock	Woody Debris	Floating Leaved Vegetation				
TLLit7	0-0.5	0.0	5.0	40.0	0.0	0.0	Boulder	Cobble	Shallow	Bc-Sh
	0.5-1	0.0	5.0	82.5	0.0	0.0	Boulder	Cobble	Steep	Bc-St
	1-2	0.0	94.3	3.0	0.0	0.0	Organics	Fines	Shallow	Of-Sh
	2-3	0.0	98.3	0.0	0.0	0.0	Organics	Fines	Shallow	Of-Sh
TLLit8	0-0.5	0.0	0.0	0.0	0.0	0.0	Gravel	Fines	Shallow	Gf-Sh
	0.5-1	0.0	5.0	0.0	0.0	0.0	Fines	Gravel	Steep	Fg-St
	1-2	0.0	1.5	0.0	0.0	0.0	Gravel	Fines	Steep	Gf-St
	2-3	0.0	6.3	0.0	0.0	0.0	Gravel	Fines	Steep	Gf-St
TLLit9	0-0.5	0.0	0.0	0.0	0.0	0.0	Gravel	Fines	Shallow	Gf-Sh
	0.5-1	0.0	0.0	0.0	0.0	0.0	Gravel	Cobble	Steep	Gc-St
	1-2	0.0	0.7	0.0	0.0	0.0	Fines	Cobble	Steep	Fc-St
	2-3	0.0	1.3	0.0	2.5	0.0	Cobble	Fines	Steep	Cf-St
TLLit10	0-0.5	0.0	2.0	0.0	0.0	0.0	Gravel	Fines	Shallow	Gf-Sh
	0.5-1	0.0	10.0	0.0	0.0	0.0	Fines	Gravel	Steep	Fg-St
	1-2	0.0	13.3	0.0	0.0	0.0	Fines	Gravel	Steep	Fg-St
	2-3	0.0	8.3	16.7	0.0	0.0	Fines	Gravel	Steep	Fg-St
TLLit11	0-0.5	0.0	1.0	0.0	0.0	0.0	Gravel	Fines	Shallow	Gf-Sh
	0.5-1	0.0	3.7	0.0	0.0	0.0	Gravel	Fines	Steep	Gf-Sh
	1-2	0.0	3.8	0.0	0.0	0.0	Gravel	Fines	Steep	Gf-St
	2-3	0.0	2.5	0.0	0.0	0.0	Gravel	Fines	Steep	Gf-St

Note: ¹Littoral habitat type: Capital letter = dominant substrate type; o = organics, f = fines (less than [$<$] 2mm), g = gravel (2-64 mm), c = cobble (64-256 mm), b = boulder (greater than [$>$] 256 mm); lower case letter = subdominant substrate type; gradient is shallow (Sh) $<$ 10% slope, or steep (St) $>$ 10% slope

Table A5-3. Habitat suitability index for Brassy Minnow (HSI_{BMC}) at Tatelkuz Lake littoral fish habitat sampling sites by each depth strata, August 2025

Site	Depth Strata (m)	Substrate (V_1)	Cover (V_2)	Spawning (V_2)	Depth (V_3)	Percent Littoral Zone Cover (V_4)	Late Winter Dissolved Oxygen (V_5)	pH (V_7)	HSI_{BMC}
TLLit1	0-0.5	1	1	0	1	0.5	1	1	0.79
	0.5-1	1	1	1	1	1	1	1	1.00
	1-2	1	1	1	1	1	1	1	1.00
	2-3	1	1	1	1	1	1	1	1.00
TLLit2	0-0.5	1	0	0	1	0	1	1	0.57
	0.5-1	0.5	0.5	0	1	0.25	1	1	0.61
	1-2	0.5	0.5	0	1	0.25	1	1	0.61
	2-3	0.5	0.5	0	1	0.25	1	1	0.61
TLLit3	0-0.5	0.5	0.5	0	1	0.25	1	1	0.61
	0.5-1	0.5	1	0	1	0.25	1	1	0.68
	1-2	0.5	1	0	1	0.75	1	1	0.75
	2-3	0.5	0	0	1	0.25	1	1	0.54
TLLit4	0-0.5	1	1	0	1	0.25	1	1	0.75
	0.5-1	1	1	0	1	0.25	1	1	0.75
	1-2	1	1	1	1	1	1	1	1.00
	2-3	1	1	1	1	1	1	1	1.00
TLLit5	0-0.5	1	1	0	1	0.25	1	1	0.75
	0.5-1	1	1	0	1	0.5	1	1	0.79
	1-2	1	1	1	1	1	1	1	1.00
	2-3	1	1	0	1	0.25	1	1	0.75
TLLit6	0-0.5	1	1	0	1	0.25	1	1	0.75
	0.5-1	1	1	1	1	1	1	1	1.00
	1-2	1	1	1	1	1	1	1	1.00
	2-3	1	1	1	1	1	1	1	1.00

Site	Depth Strata (m)	Substrate (V ₁)	Cover (V ₂)	Spawning (V ₂)	Depth (V ₃)	Percent Littoral Zone Cover (V ₄)	Late Winter Dissolved Oxygen (V ₅)	pH (V ₇)	HSI
TLLit7	0-0.5	0.25	1	0	1	0.75	1	1	0.71
	0.5-1	0.25	1	0	1	1	1	1	0.75
	1-2	1	1	1	1	1	1	1	1.00
	2-3	1	1	1	1	1	1	1	1.00
TLLit8	0-0.5	1	0	0	1	0	1	1	0.57
	0.5-1	1	1	0	1	0.25	1	1	0.75
	1-2	1	1	0	1	0.25	1	1	0.75
	2-3	1	1	0	1	0.25	1	1	0.75
TLLit9	0-0.5	1	0	0	1	0	1	1	0.57
	0.5-1	1	0	0	1	0	1	1	0.57
	1-2	1	1	0	1	0.25	1	1	0.75
	2-3	0.5	1	0	1	0.25	1	1	0.68
TLLit10	0-0.5	1	1	0	1	0.25	1	1	0.75
	0.5-1	1	1	0	1	0.25	1	1	0.75
	1-2	1	1	0	1	0.25	1	1	0.75
	2-3	1	1	0	1	0.5	1	1	0.79
TLLit11	0-0.5	1	1	0	1	0.25	1	1	0.75
	0.5-1	1	1	0	1	0.25	1	1	0.75
	1-2	1	1	0	1	0.25	1	1	0.75
	2-3	1	1	0	1	0.25	1	1	0.75

Notes: ¹Bd = bedrock, Bo = boulder (>256 mm), C = cobble (>64 to 256 mm, rounded), R = rubble (>64 to 256 mm, angular), G = gravel (>2 to 64 mm), s = sand (>0.06 to 2.0 mm), and CS = clay/silt (≤0.06 mm). For the purposes of this report, we have included fines and organics in the CS category.

² Late winter dissolved oxygen (DO) criteria are based on the assumption that if measured in late winter and DO is greater than 2 mg/L, DO is not limiting at any time of year. If DO is measured in late winter and is less than 2 mg/L, DO may be limiting in winter but not during the open-water period. In addition, since DO is not measured in all areas within a watercourse or waterbody, there may exist some local areas where late winter DO is greater than the measured concentration.

Table A5-4. Summary of minnow trapping CPUE for fish captured in Lower Chedakuz Creek from 2021 to 2025

Site	CPUE (fish/trap hour)					
	2021	2022	2023	July 2024	September 2024	2025
CC_MT1	0.03	0.67	0	0.11	0.21	0.14
CC_MT2	0.44	0.53	0.04	0	0.99	0.04
CC_MT3	0.03	0.15	0.02	0.02	0.04	0.12
CC_MT4	0.03	0.16	0	0	0.02	0.02
CC_MT5	0.0	0.27	0.04	0	0.09	0.06
CC_MT6	0.22	0.19	0.18	0.02	0.17	0.04
CC_MT7	1.29	0	0.34	0.08	0.17	0.02
CC_MT8	0.62	0.11	0.12	0.04	0.10	0.16
CC_MT9	NC	0.13	0.11	0.02	0.14	0.29
CC_MT10	NC	0.74	0.02	0.02	0.06	0.04

Note: NC = not collected, no sampling was completed at these sites.

Table A5-5. Biomass of fish captured during Lower Chedakuz Creek electrofishing survey, September 2025.

Site	Fish Species						Total Site Biomass (g)
	LSU	CSU	NSC	CAS	KO	RB	
CC_EF1	0	0.9	0	37.1	0	6.5	44.5
CC_EF2	0	0	0	4.1	0	0.4	4.5
CC_EF3	14.5	0	0	31.4	1.6	9.6	57.1
Total	14.5	0.9	0	72.6	1.6	16.5	106.1

Note: LSU = Longnose Sucker, CSU = Largescale Sucker, NSC = Northern Pikeminnow, CAS = Prickly Sculpin, KO = Kokanee, RB = Rainbow Trout

Table A5-6. Biomass of fish captured during Lower Chedakuz Creek minnow trapping survey, September 2025.

Site	Fish Species						Total Site Biomass (g)
	LSU	CSU	NSC	CAS	KO	RB	
CC_MT1	15.0	3.1	0	1.3	0	0	19.4
CC_MT2	0.6	0	14.8	0	0	0	15.4
CC_MT3	6.6	0	0	12.9	0	2.3	21.8
CC_MT4	0	0	0	9.1	0	0	9.1
CC_MT5	27.7	0	0	0	0	0	27.7
CC_MT6	2.3	0	0	0	0	0	2.3
CC_MT7	0	0	0	1.5	0	0	1.5
CC_MT8	10.4	0.6	0	8.6	0	0	19.6
CC_MT9	10.1	3.3	0	1.1	0	0	14.5
CC_MT10	2.0	0	0	0	0	4.8	6.8
Total	74.7	7.0	14.8	34.5	0	7.1	138.1

Note: LSU = Longnose Sucker, CSU = Largescale Sucker, NSC = Northern Pikeminnow, CAS = Prickly Sculpin, KO = Kokanee, RB = Rainbow Trout