

### **Peace River Water Use Plan**

## **Peace River Baseline TDGP/Temperature**

**GMSWORKS-2** 

Year 13 Monitoring Program - Annual Report

January 2021 to December 2021

Diversified Environmental Services Box 6263, Fort St. John, B.C. V1J 4H7

March 2022

# PEACE RIVER WATER USE PLAN IMPLEMENTATION PROGRAM

# PEACE RIVER BASELINE TDGP/TEMPERATURE GMSWORKS-2 YEAR 13 MONITORING PROGRAM - ANNUAL REPORT January 2021 to December 2021

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March 2022

#### **EXECUTIVE SUMMARY**

Long-term monitoring of baseline water temperature and total dissolved gas pressure (TDGP) in the vicinity of the WAC Bennett and Peace Canyon dams is an essential component of the Peace Spill Protocol and the Peace River Flood Pulse Plan as set out by the Peace Water Use Plan Committee and the Peace Water Use Plan (WUP; BC Hydro 2010).

An objective of this program (GMSWORKS-2) was to collect data on spatial and temporal variations in water temperature between the WAC Bennett Dam forebay (Williston Reservoir) and a point 6.5 km downstream of the Pine River confluence for up to 10 years. Beginning in September 2008, 21 Tidbit v2 Model #UTBI-001 temperature sensor/logger units (Onset Corp., Bourne, MA) have been maintained at 18 locations.

During Year 8 (2016), six temperature loggers were added at 3 additional locations of specific interest to BC Hydro's Site C project, extending the project area downstream to the mouth of the Pouce Coupe River in Alberta. The additional sites were maintained by the GMSWORKS-2 program through a cofunding arrangement with the Site C project.

In 2020 (Year 12), responsibility for all monitoring sites within and downstream of the proposed Site C inundation area reverted from the Peace WUP to the Site C project. These included the additional Site C stations plus all original stations located downstream of the Peace Canyon Dam tailrace. The GMSWORK-2 program retained responsibility for monitoring stations in the WAC Bennett and Peace Canyon dam forebays and tailraces only.

This annual summary report describes data collection activities and results for the 6 temperature stations associated with the WAC Bennett and Peace Canyon dams and operated by the GMSWORKS-2 program during Year 13 (Jan-Dec 2021). These included 2 stations in the Bennett Dam forebay (gmsUP1 – 1 m depth and gmsUP2 – 10 m depth), 2 stations in the Bennett Dam tailrace (gmsDN1 – south bank and gmsDN2 – north bank), one station in the Peace Canyon Dam forebay (pcnUP1), and one station in the Peace Canyon Dam tailrace (pcnDN2).

Continuous hourly temperature data for Year 13 were recovered from all six stations including redundant back-up loggers at 3 stations.

In situ reference temperatures were recorded at the time of each field download event using a YSI® multi-parameter meter, for comparison to the corresponding hourly logger readings. Mean calibration errors for all temperature loggers were  $\leq 0.2$ °C.

In addition to the collection of baseline water temperature data, the GMSWORK-2 program includes the maintenance of Total Dissolved Gas Pressure (TDGP) meters in a field-ready state for immediate deployment in the event of a spill at either the WAC Bennett or Peace Canyon dams. In April 2021, BC Hydro purchased five new HydroLab Model MS5 TGP meters to be dedicated to Peace Basin spill monitoring. These meters replaced much older Common Sensing Model DL6 and Point Four Model PT4 meters, which had proven relatively unreliable during previous spills due to their obsolescence. The new meters were deployed in June-July 2021 to monitoring TDGP levels associated with a 7-day spill event between June 29 and July 6, 2021. Results of 2021 spill monitoring have been reported under separate cover through the GSMMON-11 program (DES 2022).

#### TABLE OF CONTENTS

EXECUTIV	E SUMMARYiii
TABLE OF	CONTENTSiv
1.0 IN	TRODUCTION
2.0 MI	ETHODS
2.1	Temperature Monitoring
2.1.1	Year 13 Site Logistics
2.2	Total Dissolved Gas Pressure (TDGP)
3.0 RE	SULTS AND DISCUSSION4
3.1	Temperature Monitoring
3.1.1	WAC Bennett Dam Forebay and Tailrace
3.1.2	Peace Canyon Dam Forebay and Tailrace
4.0 RE	COMMENDATIONS
REFERENC	ES12
LIST OF	FIGURES
Figure 1.	Location of temperature loggers deployed at WAC Bennett Dam and Peace Canyon  Dam forebays and tailraces
Figure 2.	Comparison of daily mean water temperature at WAC Bennett Dam forebay station from 1 m depth (gmsUP1) and 10 m depth (gmsUP2) during Year 13, January 01, 2023 to December 31, 2023
Figure 3.	
Figure 4.	Comparison of daily mean water temperature at Peace Canyon forebay surface (pcnUP1), Peace Canyon tailrace (pcnDN2), and WAC Bennett Dam tailrace (gmsDN-MEAN) during Year 13, January 01, 2021 to December 31, 2021
Figure 5.	, , , , , , , , , , , , , , , , , , , ,

#### LIST OF APPENDICES

Appendix I.	Temperature monitoring station location information for Year 13, January 01,	
	2021 to December 31, 2021	13
Appendix II.	Reference temperature values and corresponding logger fix values recorded	
	during download events in Year 13, January 01, 2021 to December 31, 2021	14
Appendix III	Year 13 download information forms, January 01, 2021 to December 31, 2021	15
Appendix IV	Summary of temperature logger deployment dates and anticipated replacement	
	dates	23

#### 1.0 INTRODUCTION

Long-term monitoring of baseline water temperature and total dissolved gas pressure (TDGP) in the vicinity of the WAC Bennett and Peace Canyon dams was identified as an essential component of the Peace Spill Protocol (PSP) and the Peace River Flood Pulse Plan as set out by the Peace Water Use Plan Committee and the Peace Water Use Plan (WUP; BC Hydro 2010). Data collected through the monitoring of these parameters are used to help assess and quantify the environmental effects of spills, as well as to provide information on the temperature regime of the Peace River under normal operating conditions and the influence of reservoir operations on downstream temperature. Long-term baseline temperature data will also be available for use by other projects and monitoring programs within and outside the Peace WUP.

An objective of this program (GMSWORKS-2) was to collect data on spatial and temporal variations in water temperature between the WAC Bennett Dam forebay (Williston Reservoir) and a point 6.5 km downstream of the Pine River confluence for up to 10 years. Beginning in September 2008, 21 Tidbit v2 Model #UTBI-001 temperature sensor/logger units (Onset Corp., Bourne, MA) have been maintained at 18 locations.

During Year 8 (2016), six temperature loggers were added at 3 additional locations of specific interest to BC Hydro's Site C project, extending the project area downstream to the mouth of the Pouce Coupe River in Alberta. The additional sites were maintained by the GMSWORKS-2 program through a cofunding arrangement with the Site C project.

In 2020 (Year 12), responsibility for all monitoring sites within and downstream of the proposed Site C inundation area reverted from the Peace WUP to the Site C project. These included the additional Site C stations plus all original stations located downstream of the Peace Canyon Dam tailrace. The GMSWORK-2 program retained responsibility for monitoring stations in the WAC Bennett and Peace Canyon dam forebays and tailraces only.

This annual summary report describes data collection activities and results for the 6 temperature stations associated with the WAC Bennett and Peace Canyon dams and operated by the GMSWORKS-2 program during Year 13 (Jan-Dec 2021). These included 2 stations in the Bennett Dam forebay (gmsUP1 – 1 m depth and gmsUP2 – 10 m depth), 2 stations in the Bennett Dam tailrace (gmsDN1 – south bank and gmsDN2 – north bank), one station in the Peace Canyon Dam forebay (pcnUP1), and one station in the Peace Canyon Dam tailrace (pcnDN2).

#### 2.0 METHODS

Temperature data presented in this summary report were recorded between January 01, 2021 and December 31, 2021.

#### 2.1 Temperature Monitoring

Upon commencement of the Peace River baseline temperature monitoring program in September 2008 (Year 1), 20 Tidbit v2 Model #UTBI-001 temperature sensor/logger units (0.2°C accuracy over 0°C to 50°C; 0.02°C resolution @ 25°C; Onset Corp., Bourne, MA) were deployed at 18 locations between the WAC Bennett Dam forebay and a site approximately 6.5 km downstream of the confluence of the Pine and Peace rivers (Fig. 1). During Years 2 and 3, revisions were made to monitoring site positioning and configuration to account for changes in bank conditions, to reduce the potential for logger stranding due to debris and flow level extremes, to increase redundancy in case of logger failure or loss, and to improve accessibility during high flow stage.

During 2020, responsibility for temperature monitoring sites within and downstream of the proposed Site C inundation area reverted from the Peace WUP program to the Site C project and the GMSWORK-2 program retained responsibility for the 6 stations in the GMS and PCN forebays and tailraces only. As a result, data for stations downstream of the Peace Canyon Dam tailrace do not appear in this summary report. A summary of temperature monitoring station location information as of the end of Year 13 appears in Appendix I.

Temperature loggers were programmed to record water temperature (°C) at 1 hour intervals throughout Year 13 (2021). Loggers continued to be housed in 38 mm x 100 mm steel nipples with threaded steel end caps, weighted with 5 kg steel anchors, and tethered to large bedrock fragments or log booms using 3.18 mm stainless steel cable.

Temperature data recorded and stored on each logger during 2021 were downloaded at approximately 3 month intervals by field transfer to a Model U-DTW-1 Hobo® waterproof shuttle (Onset Corp., Bourne, MA). Data from the shuttle were then downloaded to a desktop computer after each field session. The monitoring station in the WAC Bennett Dam forebay is located at one of the spillway log boom anchor buoys and must be accessed by boat during the ice-free season. All other monitoring stations can be access by vehicle from BC Hydro restricted-access areas in the WAC Bennett tailrace and the Peace Canyon Dam forebay and tailrace.

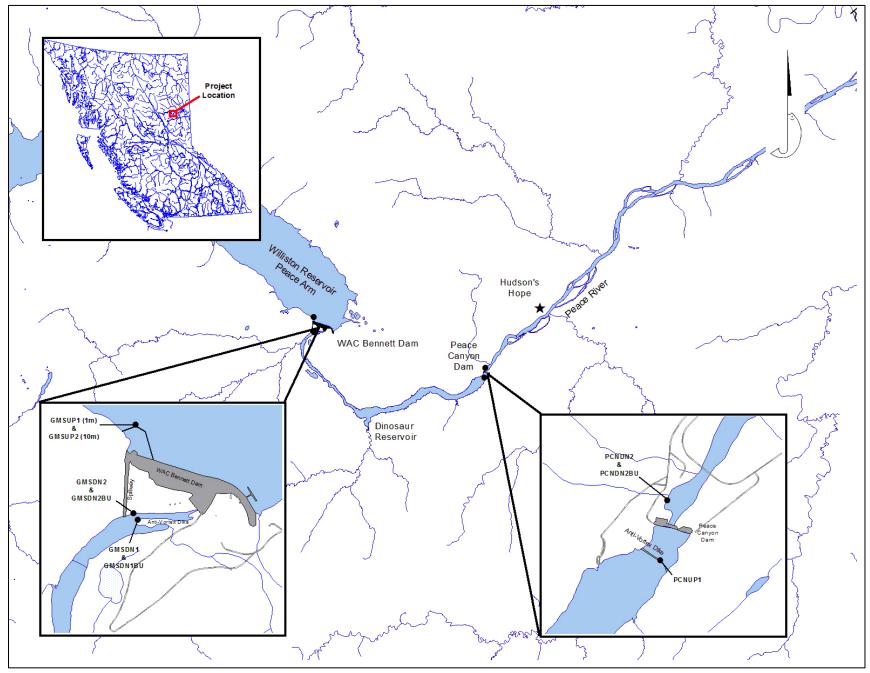


Figure 1. Location of temperature loggers deployed at WAC Bennett Dam and Peace Canyon Dam forebays and tailraces.

Conditions and observations at the time of each download event were documented in the field on hardcopy Download Information Forms and subsequently entered into digital format. *In situ* reference temperatures were recorded at the time of each field download event using a YSI® Professional Plus handheld multi-parameter instrument (Model No. E-528-ProPlus) for comparison to the corresponding hourly logger readings (within 30 minutes of reference temperature).

Data files were exported as .csv files using Onset® Hoboware Pro software (Ver. 3.7.16), amalgamated into single Excel worksheets for monitoring station, and plotted relative to time. Readings representing air temperature during periods of logger stranding above the waterline have been removed from data displayed graphically in this summary report.

#### 2.1.1 Year 13 Site Logistics

No major logistical problems were encountered during Year 13.

#### 2.2 Total Dissolved Gas Pressure (TDGP)

In April 2021, BC Hydro purchased five new HydroLab Model MS5 TGP meters to be dedicated to Peace Basin spill monitoring. These meters replaced much older Common Sensing Model DL6 and Point Four Model PT4 meters, which had proven relatively unreliable during previous spills due to their obsolescence. The 5 new HydroLab Model MS5 TGP meters were stored at the office of Diversified Environmental Services (DES) in a field-ready state during Year 13 and deployed during one 2021 spill event (DES 2022).

#### 3.0 RESULTS AND DISCUSSION

#### 3.1 Temperature Monitoring

Reference temperatures recorded during download events are presented in Appendix II along with corresponding logger temperatures and indicated error values. None of the loggers in use in 2021 exhibited a correctable zero error greater than 0.2°C (mean error 0.08°C; Appendix II).

Two loggers were replaced in Year 13, as they were approaching the end of their predicted lifespan of six years or were recording low voltage readings. Logger serial numbers listed in Appendix I correspond to the units in use at the time of the last quarterly download of 2021 data, completed in January 2022.

A summary of temperature data collection results and related conditions and limitations are discussed in the following sections. Download Information Forms completed during each download are provided in Appendix III.

#### 3.1.1 WAC Bennett Dam Forebay and Tailrace

The WAC Bennett Dam forebay temperature monitoring station is located at the GMS spillway log boom and consists of a vertical cable suspended from the northernmost log boom steel buoy. Temperature is recorded with 2 loggers, the first located at 1 m depth (gmsUP1) and the second at a depth of 10 m (gmsUP2). Seamless water temperature data was recovered from both stations throughout Year 13 (Fig. 2). Although seasonal thermal stratification of Williston Reservoir is evident, the relatively small temperature differential between the 2 station depths suggests the primary thermocline lies deeper than 10 m. Temperature profiles recorded further up the Peace Reach during unrelated work in 2017 and 2018 found the primary seasonal thermocline to be deeper than 20 m (B. Culling, pers. obs.). Maximum temperature differentials recorded during late June and early July 2021 were greater than normal due to record-setting high air temperatures experienced during the same period.

The GMS tailrace monitoring sites are located on opposite banks, approximately 700 m downstream of the turbine outflow manifolds. Logger gmsDN1 records the temperature of water flowing from the south tailrace manifold, which originates from the shallowest penstock depths. Logger gmsDN2 samples water from the north tailrace manifold, which originates from a deeper average withdrawal point. The tethered steel capsule at both stations contains a back-up logger in addition to the primary unit (gmsDN1BU and gmsDN2BU). Continuous data was recovered for both gmsDN1, gmsDN2, and their respective backup loggers, with the exception of brief periods on the afternoons of June 8 and July 23, when the loggers appear to have been exposed to ambient air due to low turbine outflow coupled with very low levels in Dinosaur Reservoir.

As in previous years, water temperatures at gmsDN2 showed the lowest annual variation and are consistently cooler in the summer and warmer in the winter than gmsDN1 flow (Fig. 3), which originates closer to the surface of Williston Reservoir. Temperatures recorded at gmsUP1 (forebay surface) exhibit far greater annual variation than tailrace values (Fig. 3). In addition, the differential between the forebay surface temperature and tailrace temperatures was greater than normal is 2021 due to rapid surface warming in Williston Reservoir during the June/July record heat wave.

#### 3.1.2 Peace Canyon Dam Forebay and Tailrace

The data logger recording temperature at the Peace Canyon Dam forebay (pcnUP1) is attached to the anti-vortex dam log boom, located approximately 450 m upstream of the dam face and records water temperature at 1 m depth. This station recorded seamless data throughout Year 13.

The Peace Canyon Dam tailrace loggers (pcnDN2 and pcnDN2BU) are located on the left downstream bank of the Peace River approximately 200 m downstream of the turbine outflow manifold. The primary and back-up loggers are installed in separate steel capsules on separate tethers anchored to the same bedrock slab. Both loggers recorded continuous data throughout Year 13, however, periodic atypical daily fluctuations from June 1-11 suggest the loggers may have been only partially wetted due to extremely low discharge. Although both loggers became embedded in shifting substrate during the 2021 PCN spill event, temperature readings did not appear to be effected.

A comparison of PCN tailrace temperature (pcnDN2) and GMS tailrace temperature (mean of gmsDN1 and gmsDN2) indicates a relatively small temperature change through Dinosaur Reservoir during all seasons (Fig. 4), with an annual mean differential in hourly readings of 0.5°C. Differential is lowest in fall through winter when turbine discharge, and thus, reservoir exchange rate, are typically highest. Conversely, temperature differentials across Dinosaur Reservoir were wider in June through August particularly when periods of hot weather coincide with decreased discharge and exchange rate. The reservoir warming effects of record-setting temperatures in late June and early July 2021 appear to have been mitigated by elevated discharge associated with the coinciding 2021 spill event.

Figures 5 compares daily mean temperature of water entering Dinosaur Reservoir (Bennett Dam tailrace gmsDN2) during 2021 with the average of daily mean water temperature for the previous 12 years (2009-2020). Water temperatures recorded in the WAC Bennett Dam tailrace in 2021 show some deviations from the 12-year average. Temperatures appeared cooler than average during June and July and significantly warmer than average in August and September. Variability in tailrace temperature is largely due to operational factors at the GMS generating station and may include variations in reservoir elevation and changes in volume contribution from penstock intake depths intervals. It is assumed that accelerated warming of Williston Reservoir during the June/July 2021 heat wave also contributed to higher than average GMS outflow temperatures during the following 2 months.

#### 4.0 RECOMMENDATIONS

The battery life of the Tidbit v2 Model #UTBI-001 temperature sensors is estimated at approximately 5-6 years. Scheduled replacement of units should continue in 2022 (Appendix IV).

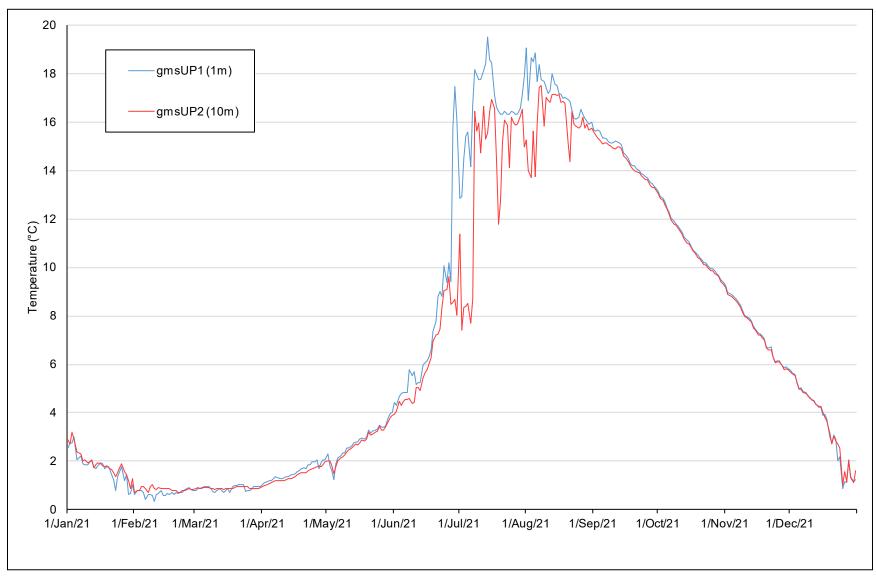


Figure 2. Comparison of daily mean water temperature at WAC Bennett Dam forebay station from 1 m depth (gmsUP1) and 10 m depth (gmsUP2) during Year 13, January 01, 2021 – December 31, 2021.

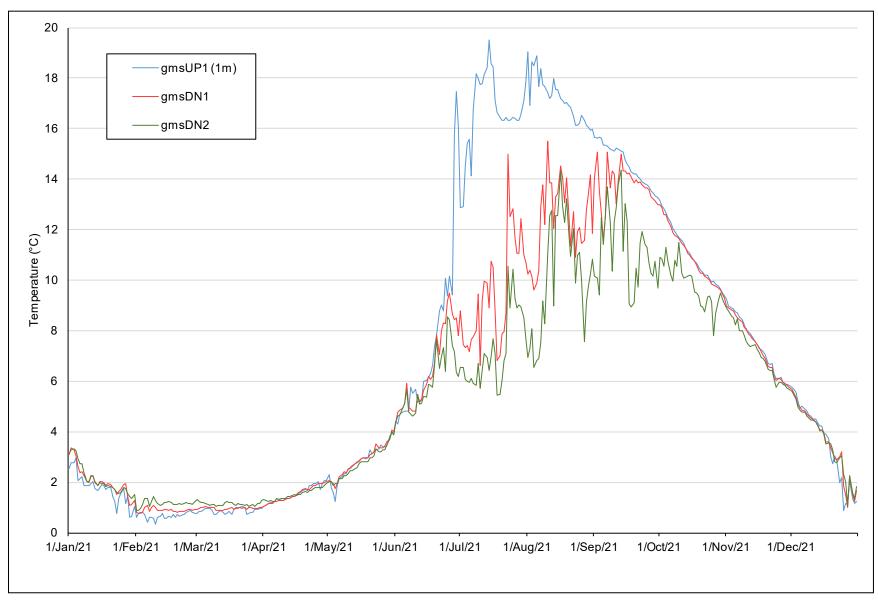


Figure 3. Comparison of daily mean water temperature at WAC Bennett Dam forebay surface (gmsUP1), and WAC Bennett Dam tailrace (gmsDN1 and gmsDN2) during Year 13, January 01, 2021 – December 31, 2021.

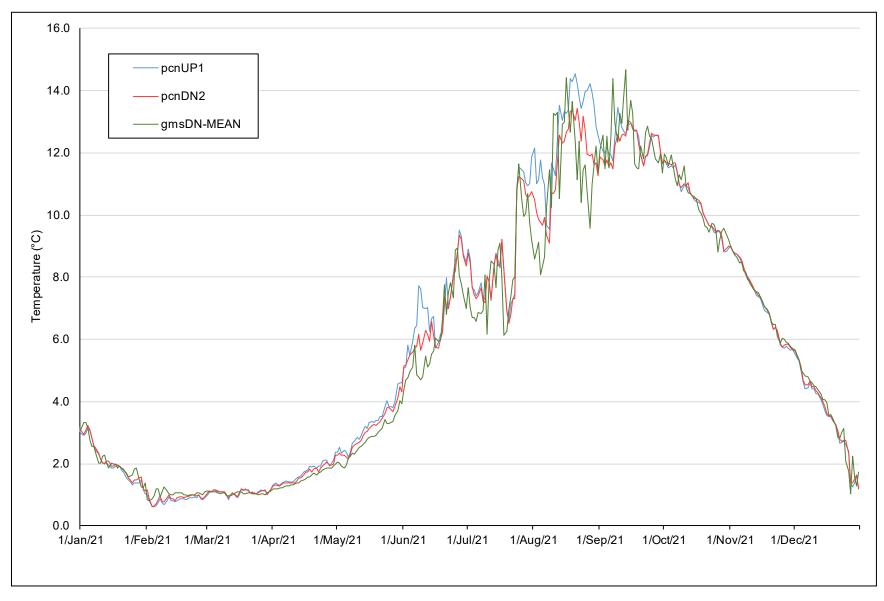


Figure 4. Comparison of daily mean water temperature at Peace Canyon forebay surface (pcnUP1), Peace Canyon tailrace (pcnDN2), and WAC Bennett Dam tailrace (gmsDN-MEAN) during Year 11, January 01, 2021 – December 31, 2021.

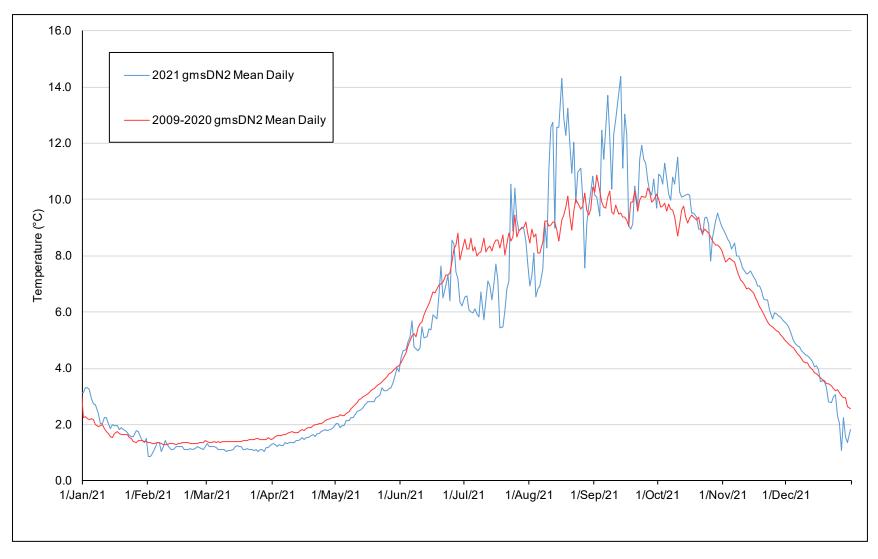


Figure 5. Comparison of Year 13 (2021) daily mean water temperature at WAC Bennett Dam tailrace north manifold (gmsDN2) with 2009 to 2020 daily mean water temperature (gmsDN2).

#### **REFERENCES**

- BC Hydro. 2010. Peace River Water Use Plan; monitoring program terms of reference Peace River Baseline TGP/Temp. BC Hydro, Vancouver, BC. 7pp.
- DES (Diversified Environmental Services). 2022. Peace River Water Use Plan Peace River Spill Total Dissolved Gas Pressure/Temperature Monitoring Program June/July 2021. Prepared for BC Hydro, 6911 Southpoint Drive, Burnaby, BC

**Appendix I.** Temperature monitoring station location information for Year 13, January 01, 2021 to December 31, 2021 (updated as of Jan 2022).

Site ID	Serial #	Location	UTM (Z East	one 10) North	Comment
gmsUP1	20823636	WAC Bennett Forebay	548841	6209022	steel buoy; 1 m depth
gmsUP2	20823637	WAC Bennett Forebay	548841	6209022	steel buoy; 10 m depth
gmsDN1	20655136	GMS Tailrace	548881	6207761	southbank; deflection wier riprap
gmsDN1BU	10676155	GMS Tailrace	548881	6207761	southbank; deflection wier riprap
gmsDN2	21199346	GMS Tailrace	548828	6207836	north bank; riprap below Tunnel portal #3
gmsDN2BU	20332121	GMS Tailrace	548828	6207836	north bank; riprap below Tunnel portal #3
pcnUP1	20823638	Peace Canyon Forebay	562710	6204068	anti-vortex log boom; 1 m depth
pcnDN2	20332187	Peace Canyon Tailrace	562803	6204854	north bank; rock slab
pcnDN2BU	21199347	Peace Canyon Tailrace	562803	6204854	north bank; rock slab

**Appendix II.** Reference temperature values and corresponding logger fix values recorded during download events in Year 13, January 01, 2021 to December 31, 2021.

Logger ID	Date	Fix Temp	Ref Temp	Error
gmsUP1	23-Feb-21	0.7	0.6	0.1
	29-Jun-21	13.8	14.0	-0.2
	19-Oct-21	10.5	10.4	-0.1
gmsUP2	23-Feb-21	0.8	0.7	0.1
	29-Jun-21	8.4	8.5	-0.1
	19-Oct-21	10.4	10.4	0.0
gmsDN1	23-Feb-21	0.9	0.8	0.1
	29-Jun-21	8.5	8.7	-0.2
	19-Oct-21	10.4	10.3	0.1
gmsDN1_BU	23-Feb-21	0.9	0.8	0.1
	29-Jun-21	8.5	8.7	-0.2
	19-Oct-21	10.4	10.3	0.1
gmsDN2	23-Feb-21	1.2	1.3	-0.1
	29-Jun-21	6.5	6.6	-0.1
	19-Oct-21	9.4	9.3	0.1
gmsDN2_BU	23-Feb-21	1.3	1.2	0.1
_	29-Jun-21	6.6	6.6	0.0
	19-Oct-21	9.5	9.4	0.1
pcnUP1	23-Feb-21	0.9	1.1	-0.2
·	29-Jun-21	8.7	8.7	0.0
	19-Oct-21	10.1	10.3	-0.2
pcnDN2	23-Feb-21	1.0	1.0	0.0
'	29-Jun-21	8.7	8.7	0.0
	19-Oct-21	10.1	10.1	0.0
pcnDN2_BU	23-Feb-21	1.0	1.0	0.0
r · <b></b> - •	29-Jun-21	8.7	8.7	0.0
	19-Oct-21	10.1	10.1	0.0

Appendix III. Year 13 download information forms, January 01, 2021 to December 31, 2021.

								ITORING -						
SITEID		gmsUP1		ATION				S Forebay		BANK		71 (101), (1		<u> </u>
LOGGER T		_	Fidbit			CEDIAL						E40	044	6200022
					OGGER			20823636		UTM		548	841	6209022
DOWNLOA							DTIME	13:4		CREW			ВС	TE
TEST RECO	DRDER	YPE	YS		WATER			AIRTEMP	2.0	ICECC	DNDI.	TIONS		60 cm
						L	OGGER CO	ONDITIONS						
WATER D	EPTH	100	cm	DISLO	ODGED	no	R	EASON						
BURIED	no		FUNCTIO	DNAL	w et		IF DRY, H	IEIGHT ABOVI	E WATER		cm	TETHER	RTYPE	steel buoy
							COMM	ENTS						
Dow nload (	ЭK													
Stainless st	teel cabl	e OK												
Replac#51														
SITEID		amsUP2	LOC	ATION	v .		GM	S Forebay		BANK				
LOGGER T		0	Γidbit		OGGER	SERIAL		20823637	•	UTM		548	841	6209022
DOWNLOA	D DATE	2	3 Feb				DTIME	13:3		CREW				TE
TEST RECO	ORDER 1	ГҮРЕ	YS		WATER	RTEMP	0.7	AIR TEMP	2.0	ICECC	DNDI	TIONS		none
						L	OGGER CO	ONDITIONS						
WATER D	EPTH	10	m	DISLO	ODGED	no	R	EASON						
BURIED	no		FUNCTIO	DNAL	w et		IF DRY, H	IEIGHT ABOVI	E WATER		cm	TETHER	RTYPE	steel buoy
							COMM	ENTS						
Dow nload (	OK .													
Stainless st	teel cabl	e OK												
Replac#52														
SITEID		gmsDN2		ATION	N		GMS T	Tailrace RDB		BANK				north
LOGGER T	YPE	-	Γidbit	L	OGGER		.#	10669739		UTM		548	828	6207836
LOGGER T	YPE D DATE	2	Γidbit 3 Feb	<b>L</b>	OGGER 021 DO	WNLOA	.# .DTIME	10669739 12:3	37	UTM CREW				6207836 TE
LOGGER T	YPE D DATE	2	Γidbit	<b>L</b>	OGGER	WNLOA R TEMP	.# .D TIME 1.3	10669739 12:3 AIR TEMP		UTM				6207836
LOGGER TO DOWNLOA TEST RECO	YPE D DATE ORDER 1	- - - - - - - - - - - - - - - - - - -	Tidbit 3 Feb YS	20 1	OGGER 021 DO WATER	WNLOA RTEMP L	.# LD TIME 1.3 OGGER CO	10669739 12:3 AIR TEMP ONDITIONS	37	UTM CREW				6207836 TE
LOGGER TO DOWNLOA TEST RECO	YPE D DATE ORDER 1 DEPTH	2	Tidbit 3 Feb YS	L 20	OGGER 021 DO WATER	WNLOA R TEMP	.# LD TIME 1.3 OGGER CC	10669739 12:3 AIR TEMP DNDITIONS EASON	2.0	UTM CREW	ONDI"	TIONS	ВС	6207836 TE none
LOGGER TO DOWNLOA TEST RECO	YPE D DATE ORDER 1	- - - - - - - - - - - - - - - - - - -	Tidbit 3 Feb YS	L 20	OGGER 021 DO WATER	WNLOA RTEMP L	.# LD TIME 1.3 OGGER CO R IF DRY, H	10669739 12:3 AIR TEMP DINDITIONS EASON IEIGHT ABOVI	2.0	UTM CREW	ONDI"		ВС	6207836 TE
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LOGGER T' DOWNLOA TEST RECC WATER D BURIED Primary Log	PEDATE DRDER 1 DEPTH no	200 200	FUNCTION 1, SN 106	DISLO DNAL	OGGER 021 DO WATER DDGED w et	WNLOAR TEMP	D TIME 1.3 OGGER CO R IF DRY, H	10669739 12:3 AIR TEMP DIDITIONS EASON IEIGHT ABOVI	2.0 E WATER	UTM CREW ICE CO	ONDI"	TIONS	ВС	6207836 TE none
LOGGER T' DOWNLOA TEST RECC WATER D BURIED  Primary Log Back-up log	YPE D DATE DRDER 1 DEPTH no gger - Re	200 eplac#11sDN2BU	FUNCTION 1, SN 106	DISLO DNAL	OGGER 021 DO WATER DDGED w et	WNLOAR TEMP	D TIME 1.3 OGGER CO R IF DRY, H	10669739 12:3 AIR TEMP DINDITIONS EASON IEIGHT ABOVI	2.0 E WATER	UTM CREW ICE CO	ONDI"	TIONS	ВС	6207836 TE none
LOGGER TOOWNLOATEST RECO	DEPTH no agger - Regord grown oads Ol	200 200 eplac#1*	Tidbit 3 Feb YS cm FUNCTIO	DISLODNAL	OGGER 021 DO WATEF  DDGED w et	NNLOA R TEMP L no	D TIME 1.3 OGGER CO R IF DRY, F COMM	10669739 12:3 AIR TEMP DNDITIONS EASON IEIGHT ABOVI ENTS 21 downloade	2.0 E WATER	UTM CREW ICE CO	ONDI"	TIONS	ВС	6207836 TE none
LOGGER TOOWNLOATEST RECO	DEPTH no agger - Regord grown oads Ol	200 200 eplac#1*	Tidbit 3 Feb YS cm FUNCTIO	DISLODNAL	OGGER 021 DO WATEF  DDGED w et	NNLOA R TEMP L no	D TIME 1.3 OGGER CO R IF DRY, F COMM	10669739 12:3 AIR TEMP DIDITIONS EASON IEIGHT ABOVI	2.0 E WATER	UTM CREW ICE CO	ONDI"	TIONS	ВС	6207836 TE none
LOGGER TOOWNLOATEST RECO	DEPTH no agger - Regord grown oads Ol	200 200 eplac#1*	Tidbit 3 Feb YS cm FUNCTIO	DISLODNAL	OGGER 021 DO WATEF  DDGED w et	NNLOA R TEMP L no	D TIME 1.3 OGGER CO R IF DRY, F COMM	10669739 12:3 AIR TEMP DNDITIONS EASON IEIGHT ABOVI ENTS 21 downloade	2.0 E WATER	UTM CREW ICE CO	ONDI"	TIONS	ВС	6207836 TE none
LOGGER TOOWNLOATEST RECO	DEPTH no agger - Regord grown oads Ol	200 200 eplac#1*	Tidbit 3 Feb YS cm FUNCTIO	DISLODNAL	OGGER 021 DO WATEF  DDGED w et	NNLOA R TEMP L no	D TIME 1.3 OGGER CO R IF DRY, F COMM	10669739 12:3 AIR TEMP DNDITIONS EASON IEIGHT ABOVI ENTS 21 downloade	2.0 E WATER	UTM CREW ICE CO	ONDI"	TIONS	ВС	6207836 TE none
LOGGER TOOWNLOAD TEST RECO WATER D BURIED  Primary Log Back-up log Both downl cable OK (s	YPE D DATE DRDER 1 DEPTH no gger - Regger gms loads Ol stainless	200 200 200 eplac#11 sDN2BU	Tidbit  3 Fet YS  cm FUNCTIO  1, SN 106 in same of	DISLODNAL 669739 capsul	OGGER 021 DO WATER DDGED wet e; Repl	NNLOA R TEMP L no	.# .D TIME 1.3 OGGER CC R IF DRY, F COMM	AIR TEMP ONDITIONS EASON IEIGHT ABOVI ENTS  21 dow nloade around rock)	2.0 E WATER	UTM CREW ICE CO	ONDI"	TETHE	RC TYPE	6207836 TE none
LOGGER TO DOWNLOAD TEST RECOME WATER DOWNLOAD BURIED  Primary Log Back-up log Both downloable OK (stable of the stable of the st	YPE D DATE DRDER 1 DEPTH no gger - Re gger gms loads Ol stainless	200 200 200 200 200 200 200 200 200 200	Tidbit  3 Fet YS  cm FUNCTIO  1, SN 106 in same of table sect	DISLODNAL 669739 capsul ion att	OGGER 021 DO WATER DDGED wet e; Repl	NNLOAR TEMP L no ac#37, 5	.# .D TIME 1.3 OGGER CC R IF DRY, F COMM SN 203321 ized cable	AIR TEMP  ONDITIONS  EASON  IEIGHT ABOVI  ENTS  21 dow nloade  around rock)	2.0 E WATER	UTM CREW ICE CO	ONDI"	TETHER	R TYPE	6207836 TE none rock
LOGGER TO DOWNLOAD TEST RECOME TEST RECO	YPE D DATE DRDER 1 DEPTH no gger - Regger gms loads Ol stainless	200 200 200 200 200 200 200 200 200 200	Tidbit  3 Feb. YS  cm FUNCTIO  1, SN 106 in same of the same of th	DISLCONAL  DISLCONAL  ATION	OGGER  DOGED  WATER  Wet  Compared to the comp	NNLOAR TEMP L no ac#37, 5	JE DE COMM  IF DRY, F  COMM  SN 203321  ized cable	AIR TEMP  NIDITIONS  EASON  IEIGHT ABOVI  ENTS  21 dow nloade  around rock)  Tailrace LDB  20655136	2.0 E WATER	UTM CREW ICE CO	cm	TETHE	R TYPE	62077836 TE none rock
LOGGER TO DOWNLOATEST RECOME BURIED  Primary Log Back-up log Both downloable OK (some state of the sound of t	YPE D DATE DRDER 1 DEPTH no agger - Regger gms loads Ol stainless	200 200 200 200 200 200 200 200 200 200	Tidbit  3 Fet YS  cm FUNCTIO  1, SN 106 in same of the	DISLCODNAL  DISLCODNAL  ATION  L  200	OGGER 221 DO WATEF DDGED wet e; Repl ached to	wnLOAR TEMP L no ac#37, S galvan	JE COMM  OGGER COMM  IF DRY, F  COMM  SN 203321  ized cable  GMS  #  D TIME	10669739 12:3 AIR TEMP DIDITIONS EASON IEIGHT ABOVI ENTS  21 dow nloade around rock)  Tailrace LDB 20655136 12:5	E WATER  dd @ 12:37	UTM CREW ICE CO	cm	TETHER  SOI  548	R TYPE	6207761 TE none
LOGGER TO DOWNLOAD TEST RECOME TEST RECO	YPE D DATE DRDER 1 DEPTH no agger - Regger gms loads Ol stainless	200 200 200 200 200 200 200 200 200 200	Tidbit  3 Feb. YS  cm FUNCTIO  1, SN 106 in same of the same of th	DISLCODNAL  DISLCODNAL  ATION  L  200	OGGER  DOGED  WATER  Wet  Compared to the comp	AC#37, SO GAIVAN	JE DE COMM  I.3  OGGER COMM  IF DRY, F  COMM  SN 203321  ized cable  GMS  #  D TIME  0.8	10669739 12:3 AIR TEMP DIDITIONS EASON IEIGHT ABOVI ENTS  21 downloade around rock)  Tailrace LDB 20655136 12:5 AIR TEMP	2.0 E WATER	UTM CREW ICE CO	cm	TETHER  SOI  548	R TYPE	62077836 TE none rock
LOGGER T' DOWNLOA TEST RECC WATER D BURIED  Primary Log Back-up log Both downl cable OK (s	YPE DRDER 1 DEPTH no gger - Regger gms loads Ol stainless YPE D DATE DRDER 1	200 200 200 200 200 200 200 200 200 200	Tidbit  3 Fet YS  cm FUNCTIO  1, SN 106 in same of able sect  LOC, Tidbit 3 Fet YS	DISLCODNAL  DISLCODNAL  ATION  L  200	OGGER 221 DO WATEF DOGED wet e; Repl ached to OGGER 221 DO WATEF	ac#37, So galvan	JE DAY, FOR THE COMM  SN 203321  ized cable  GMS  # D TIME  0.8  OGGER CO	AIR TEMP  ONDITIONS  EASON IEIGHT ABOVI ENTS  21 downloade around rock)  Tailrace LDB 20655136 12:5 AIR TEMP  ONDITIONS	E WATER  dd @ 12:37	UTM CREW ICE CO	cm	TETHER  SOI  548	R TYPE	6207761 TE none
LOGGER TOWNILOATEST RECO	YPE DRDER 1 DEPTH no gger - Re gger gms oads Ol stainless  YPE D DATE DRDER 1	200 200 200 200 200 200 200 200 200 200	Tidbit  3 Feb YS  cm FUNCTIO  1, SN 1000 in same of the control of	DISLCODNAL  ATION L DISLCODNAL  DISLCODNAL	OGGER 21 DO WATEF DDGED wet  Compared to the c	AC#37, SO GAIVAN	JE DAY OF TIME  OGGER CO  R  IF DRY, F  COMM  SN 203321  ized cable  GMS  JE DTIME  0.8  OGGER CO  R	AIR TEMP  ONDITIONS  EASON  IEIGHT ABOVI  ENTS  21 downloade  around rock)  Tailrace LDB  20655136  12:5  AIR TEMP  ONDITIONS  EASON	E WATER  ad @ 12:37	UTM CREW ICE CO	cm	SOI 548	RTYPE	6207761 TE none
LOGGER T' DOWNLOA TEST RECC WATER D BURIED  Primary Log Back-up log Both downl cable OK (s	YPE DRDER 1 DEPTH no gger - Regger gms loads Ol stainless YPE D DATE DRDER 1	200 200 200 200 200 200 200 200 200 200	Tidbit  3 Fet YS  Cm FUNCTIO  1, SN 106 in same of able sect  LOC, Tidbit 3 Fet YS	DISLCODNAL  ATION L DISLCODNAL  DISLCODNAL	OGGER 21 DO WATEF DDGED wet  Compared to the c	ac#37, So galvan	JE DRY, F  OGGER COMM  SN 203321  ized cable  GMS  JE DTIME  0.8  OGGER COMM  R  IF DRY, F	AIR TEMP  ONDITIONS  EASON  IEIGHT ABOVI  ENTS  21 downloade  around rock)  Tailrace LDB  20655136  12:5  AIR TEMP  ONDITIONS  EASON  IEIGHT ABOVI	E WATER  ad @ 12:37	UTM CREW ICE CO	cm	TETHER  SOI  548	RTYPE	6207761 TE none
LOGGER TOWNILOATEST RECO	YPE DRDER 1 DEPTH no gger - Re gger gms oads Ol stainless  YPE D DATE DRDER 1	200 200 200 200 200 200 200 200 200 200	Tidbit  3 Feb YS  cm FUNCTIO  1, SN 1000 in same of the control of	DISLCODNAL  ATION L DISLCODNAL  DISLCODNAL	OGGER 21 DO WATEF DDGED wet  Compared to the c	ac#37, So galvan	JE DAY OF TIME  OGGER CO  R  IF DRY, F  COMM  SN 203321  ized cable  GMS  JE DTIME  0.8  OGGER CO  R	AIR TEMP  ONDITIONS  EASON  IEIGHT ABOVI  ENTS  21 downloade  around rock)  Tailrace LDB  20655136  12:5  AIR TEMP  ONDITIONS  EASON  IEIGHT ABOVI	E WATER  ad @ 12:37	UTM CREW ICE CO	cm	SOI 548	RTYPE	6207761 TE none
LOGGER TOWNILOATEST RECO	YPE DRDER 1 DEPTH no gger - Re gger gms oads Ol stainless  YPE D DATE DRDER 1	200 200 200 200 200 200 200 200 200 200	Tidbit  3 Feb YS  cm FUNCTIO  1, SN 1000 in same of the control of	DISLCODNAL  ATION L DISLCODNAL  DISLCODNAL	OGGER 21 DO WATEF DDGED wet  Compared to the c	ac#37, So galvan	JE DRY, F  OGGER COMM  SN 203321  ized cable  GMS  JE DTIME  0.8  OGGER COMM  R  IF DRY, F	AIR TEMP  ONDITIONS  EASON  IEIGHT ABOVI  ENTS  21 downloade  around rock)  Tailrace LDB  20655136  12:5  AIR TEMP  ONDITIONS  EASON  IEIGHT ABOVI	E WATER  ad @ 12:37	UTM CREW ICE CO	cm	SOI 548	RTYPE	6207761 TE none
LOGGER TOWNILOATEST RECO	YPE D DATE DEPTH no gger - Re gger gms loads Ol stainless  YPE D DATE DRDER 1	200  eplac#1 sDN2BU  cs steel co	FUNCTION  LOC.  Idbit  3 Feb.  cm  FUNCTION  1, SN 106  in same of the sector of the s	DISLCODNAL  ATION L DISLCODNAL	OGGER 221 DO WATEF DOGED wet e; Repl ached to OGGER 221 DO WATEF DOGED WATEF	ARTEMP L no ac#37, S galvan SERIAL WNLOAR TEMP L no	JE DRY, F  COMM  COMM	AIR TEMP  ONDITIONS  EASON  IEIGHT ABOVI  ENTS  21 downloade  around rock)  Tailrace LDB  20655136  12:5  AIR TEMP  ONDITIONS  EASON  IEIGHT ABOVI	E WATER  ad @ 12:37	UTM CREW ICE CO	cm	SOI 548	RTYPE	6207761 TE none
LOGGER TOWNLOATEST RECO	YPE D DATE DEPTH no gger - Re gger gms loads Ol stainless  YPE D DATE DRDER 1  DEPTH no	200  eplac#11 sDN2BU  cs steel co  gmsDN1  27YPE  200  plac#47	Tidbit  3 Feb YS  cm FUNCTIO  1, SN 106 in same of the sector of the sec	DISLCODNAL  ATION L DISLCODNAL  DISLCODNAL	OGGER 221 DOV WATEF DOGED wet  OGGER 221 DOV WATEF WATEF OGGER 221 DOV WATEF ODGED wet	AC TEMP L no ac#37, S galvan SERIAL WNLOAR TEMP L no	JE DRY, F  COMM  GMS  GMS  GMS  GMS  GMS  GMS  GMS	10669739 12:3 AIR TEMP DNDITIONS EASON IEIGHT ABOVI ENTS  21 downloade around rock)  Tailrace LDB 20655136 12:5 AIR TEMP DNDITIONS EASON IEIGHT ABOVI ENTS	E WATER  d @ 12:37	BANK UTM CREW ICE CO	cm	SOI 548	RTYPE	6207761 TE none
LOGGER TOWNLOATEST RECO	YPE D DATE DEPTH no gger - Re gger gms loads Ol stainless  YPE D DATE DRDER 1  DEPTH no	200  eplac#11 sDN2BU  cs steel co  gmsDN1  27YPE  200  plac#47	Tidbit  3 Feb YS  cm FUNCTIO  1, SN 106 in same of the sector of the sec	DISLCODNAL  ATION L DISLCODNAL  DISLCODNAL	OGGER 221 DOV WATEF DOGED wet  OGGER 221 DOV WATEF WATEF OGGER 221 DOV WATEF ODGED wet	AC TEMP L no ac#37, S galvan SERIAL WNLOAR TEMP L no	JE DRY, F  COMM  GMS  GMS  GMS  GMS  GMS  GMS  GMS	AIR TEMP  ONDITIONS  EASON  IEIGHT ABOVI  ENTS  21 downloade  around rock)  Tailrace LDB  20655136  12:5  AIR TEMP  ONDITIONS  EASON  IEIGHT ABOVI	E WATER  d @ 12:37	BANK UTM CREW ICE CO	cm	SOI 548	RTYPE	6207761 TE none
LOGGER TOWNLOATEST RECO	YPE D DATE DEPTH no gger - Re gger gms loads Ol stainless  YPE D DATE DRDER 1  DEPTH no	200  eplac#11 sDN2BU  cs steel co  gmsDN1  27YPE  200  plac#47	Tidbit  3 Feb YS  cm FUNCTIO  1, SN 106 in same of the sector of the sec	DISLCODNAL  ATION L DISLCODNAL  DISLCODNAL	OGGER 221 DOV WATEF DOGED wet  OGGER 221 DOV WATEF WATEF OGGER 221 DOV WATEF ODGED wet	AC TEMP L no ac#37, S galvan SERIAL WNLOAR TEMP L no	JE DRY, F  COMM  GMS  GMS  GMS  GMS  GMS  GMS  GMS	10669739 12:3 AIR TEMP DNDITIONS EASON IEIGHT ABOVI ENTS  21 downloade around rock)  Tailrace LDB 20655136 12:5 AIR TEMP DNDITIONS EASON IEIGHT ABOVI ENTS	E WATER  d @ 12:37	BANK UTM CREW ICE CO	cm	SOI 548	RTYPE	6207761 TE none
LOGGER TOWNLOATEST RECO	YPE D DATE DEPTH no gger - Re gger gms loads Ol stainless  YPE D DATE DRDER 1  DEPTH no	200  eplac#11 sDN2BU  cs steel co  gmsDN1  27YPE  200  plac#47	Tidbit  3 Feb YS  cm FUNCTIO  1, SN 106 in same of the sector of the sec	DISLCODNAL  ATION L DISLCODNAL  DISLCODNAL	OGGER 221 DOV WATEF DOGED wet  OGGER 221 DOV WATEF WATEF OGGER 221 DOV WATEF ODGED wet	AC TEMP L no ac#37, S galvan SERIAL WNLOAR TEMP L no	JE DRY, F  COMM  GMS  GMS  GMS  GMS  GMS  GMS  GMS	10669739 12:3 AIR TEMP DNDITIONS EASON IEIGHT ABOVI ENTS  21 downloade around rock)  Tailrace LDB 20655136 12:5 AIR TEMP DNDITIONS EASON IEIGHT ABOVI ENTS	E WATER  d @ 12:37	BANK UTM CREW ICE CO	cm	SOI 548	RTYPE	6207761 TE none

SITE ID pci			RATURE MON	11011110 -					
<u>'</u>	nup1 <b>Loca</b>	TION	PCt	N Forebay		BANK			north
	Tidbit	LOGGERS		20332186		UTM	562	684	6204075
OOWNLOAD DATE	23 Feb		VNLOAD TIME	11:2	7	CREW	302	BC 1	
EST RECORDER TYPE		WATER		AIR TEMP	2.0	ICE CON	DITIONS		none
<u> </u>	101	WATER	LOGGER CO		2.0	IOL OOK	DITION		Hone
WATER DEPTH	100 cm <b>D</b>	ISLODGED		EASON				'	
					· MATED		m TETHER	TVDE	
<b>BURIED</b> no	FUNCTION	NAL wet	COMM	ENTS	WATER	C	III TETHER	TIPE	log boom
low nload OK stainless steel cable C Replac#42	OK								
SITE ID pc	nDN2 LOCA	TION	DO	N Tailraga		DANK			north
OGGER TYPE	nDN2 <b>LOCA</b> Tidbit	LOGGER S		N Tailrace 10156319		BANK UTM	562	803	north 6204854
OOWNLOAD DATE	23 Feb		VNLOAD TIME	11:0	3	CREW	302	BC 1	
EST RECORDER TYPE		WATER		AIR TEMP	2.0	ICE CON	DITIONS		none
			LOGGER CO			.02.001	27110110		
WATER DEPTH	150 cm <b>D</b>	ISLODGED		EASON					
<b>BURIED</b> no	FUNCTION			EIGHT ABOVE	WATER	C	m TETHER	RTYPE	rock
			COMM						
OGGER TYPE	Tidbit  23 Feb PE YSI	LOGGER S	SERIAL # VNLOAD TIME TEMP 1.0	N Tailrace 10635061 11:00 AIR TEMP	3 2.0	BANK UTM CREW ICE CON		803 BC 1	north 6204854 TE none
OGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE	Tidbit 23 Feb PE YSI	LOGGER S 2021 DOW WATER	SERIAL# VNLOAD TIME TEMP 1.0 LOGGER CO	10635061 11:08 AIR TEMP ONDITIONS		UTM CREW		BC 1	6204854 TE
OGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH	Tidbit 23 Feb PE YSI  150 cm D	LOGGER S 2021 DOW WATER	SERIAL # VNLOAD TIME TEMP 1.0 LOGGER CO	10635061 11:08 AIR TEMP DNDITIONS EASON	2.0	UTM CREW ICE CON	DITIONS	BC 1	6204854 TE none
OGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE	Tidbit 23 Feb PE YSI  150 cm D	LOGGER S 2021 DOW WATER	SERIAL # VNLOAD TIME TEMP 1.0 LOGGER CO	AIR TEMP ONDITIONS EASON IEIGHT ABOVE	2.0	UTM CREW ICE CON		BC 1	6204854 TE
OGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH	Tidbit 23 Feb PE YSI  150 cm D FUNCTION	LOGGER S 2021 DOW WATER	SERIAL # VNLOAD TIME TEMP 1.0  LOGGER CO  NO R  IF DRY, H	AIR TEMP ONDITIONS EASON IEIGHT ABOVE	2.0	UTM CREW ICE CON	DITIONS	BC 1	6204854 TE none
OGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED NO DOWNLOAD OK Anchored to same roc Replac#9	Tidbit 23 Feb PE YSI  150 cm D FUNCTION	LOGGER S 2021 DOW WATER  SLODGED WAL wet	SERIAL # VNLOAD TIME TEMP 1.0  LOGGER CO  NO R  IF DRY, H	AIR TEMP ONDITIONS EASON IEIGHT ABOVE	2.0	UTM CREW ICE CON	DITIONS	BC 1	6204854 TE none
OGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED NO DOWNLOAD OK Anchored to same roc Replac#9  SITE ID OGGER TYPE	Tidbit 23 Feb PE YSI  150 cm D FUNCTION	LOGGER S 2021 DOW WATER  ISLODGED HAL W et  TION LOGGER S	SERIAL # VNLOAD TIME TEMP 1.0  LOGGER CO  NO R  IF DRY, H  COMM	AIR TEMP ONDITIONS EASON IEIGHT ABOVE	2.0	UTM CREW ICE CON	DITIONS	BC 1	6204854 TE none
OGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED NO DOWNLOAD OK Anchored to same roc Replac#9  SITE ID OGGER TYPE DOWNLOAD DATE	Tidbit 23 Feb PE YSI  150 cm D FUNCTION	LOGGER S 2021 DOW WATER  SLODGED NAL wet	SERIAL # VNLOAD TIME TEMP 1.0  LOGGER CO  NO R  IF DRY, H  COMM	10635061 11:04 AIR TEMP INDITIONS FASON IEIGHT ABOVE	2.0	CREW ICE CON	DITIONS	BC 1	6204854 TE none
OGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED NO DOWNLOAD OK Anchored to same roc Replac#9  SITE ID OGGER TYPE DOWNLOAD DATE	Tidbit 23 Feb PE YSI  150 cm D FUNCTION	LOGGER S 2021 DOW WATER  ISLODGED HAL W et  TION LOGGER S	SERIAL # VNLOAD TIME TEMP 1.0  LOGGER CO  NO R  IF DRY, H  COMM  SERIAL # VNLOAD TIME TEMP	AIR TEMP	2.0	UTM CREW ICE CON	DITIONS	BC 1	6204854 TE none
OGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED NO DOWNLOAD OK Anchored to same roc Replac#9  SITE ID OGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE	Tidbit 23 Feb PE YSI 150 cm D FUNCTION  Ck as pcnDN2	LOGGER S 2021 DOW WATER  SLODGED WAL Wet  LOGGER S DOW WATER	SERIAL # VNLOAD TIME TEMP 1.0  LOGGER CO  NO R  IF DRY, H  COMM  SERIAL # VNLOAD TIME TEMP  LOGGER CO	AIR TEMP  AIR TEMP  AIR TEMP  AIR TEMP  AIR TEMP  AIR TEMP	2.0	CREW ICE CON	DITIONS	BC 1	6204854 TE none
OGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED NO DOWNLOAD OK Anchored to same roc Replac#9  SITE ID OGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH	Tidbit 23 Feb PE YSI 150 cm D FUNCTION  Ck as pcnDN2	LOGGER S 2021 DOW WATER  SLODGED WAL Wet  LOGGER S DOW WATER	SERIAL # VNLOAD TIME TEMP 1.0  LOGGER CO  NO R  IF DRY, H  COMM  SERIAL # VNLOAD TIME TEMP  LOGGER CO  R	AIR TEMP  AIR TEMP  AIR TEMP  AIR TEMP  AIR TEMP  AIR TEMP  DIDITIONS  EASON	2.0	BANK UTM CREW ICE CON	DITIONS  TETHER	BCT	6204854 TE none
OGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED NO DOWNLOAD OK Anchored to same roc Replac#9  SITE ID OGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE	Tidbit 23 Feb PE YSI 150 cm D FUNCTION  Ck as pcnDN2	LOGGER S 2021 DOW WATER  SLODGED WAL Wet  LOGGER S DOW WATER	SERIAL # VNLOAD TIME TEMP 1.0  LOGGER CO  NO R  IF DRY, H  COMIM  SERIAL # VNLOAD TIME TEMP  LOGGER CO  R  IF DRY, H	AIR TEMP  AIR TEMP  AIR TEMP  AIR TEMP  DIDITIONS  EASON  EIGHT ABOVE  ENTS	2.0	BANK UTM CREW ICE CON	DITIONS	BCT	6204854 TE none
OGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED NO DOWNLOAD OK Anchored to same roc Replac#9  SITE ID OGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH	Tidbit 23 Feb PE YSI 150 cm D FUNCTION  Ck as pcnDN2	LOGGER S 2021 DOW WATER  SLODGED WAL Wet  LOGGER S DOW WATER	SERIAL # VNLOAD TIME TEMP 1.0  LOGGER CO  NO R  IF DRY, H  COMM  SERIAL # VNLOAD TIME TEMP  LOGGER CO  R	AIR TEMP  AIR TEMP  AIR TEMP  AIR TEMP  DIDITIONS  EASON  EIGHT ABOVE  ENTS	2.0	BANK UTM CREW ICE CON	DITIONS  TETHER	BCT	6204854 TE none
OGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED NO DOWNLOAD OK Anchored to same roc Replac#9  SITE ID OGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH	Tidbit 23 Feb PE YSI 150 cm D FUNCTION  Ck as pcnDN2	LOGGER S 2021 DOW WATER  SLODGED WAL Wet  LOGGER S DOW WATER	SERIAL # VNLOAD TIME TEMP 1.0  LOGGER CO  NO R  IF DRY, H  COMIM  SERIAL # VNLOAD TIME TEMP  LOGGER CO  R  IF DRY, H	AIR TEMP  AIR TEMP  AIR TEMP  AIR TEMP  DIDITIONS  EASON  EIGHT ABOVE  ENTS	2.0	BANK UTM CREW ICE CON	DITIONS  TETHER	BCT	6204854 TE none
OGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED NO DOWNLOAD OK Anchored to same roc Replac#9  SITE ID OGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH	Tidbit 23 Feb PE YSI 150 cm D FUNCTION  Ck as pcnDN2	LOGGER S 2021 DOW WATER  SLODGED WAL Wet  LOGGER S DOW WATER	SERIAL # VNLOAD TIME TEMP 1.0  LOGGER CO  NO R  IF DRY, H  COMIM  SERIAL # VNLOAD TIME TEMP  LOGGER CO  R  IF DRY, H	AIR TEMP  AIR TEMP  AIR TEMP  AIR TEMP  DIDITIONS  EASON  EIGHT ABOVE  ENTS	2.0	BANK UTM CREW ICE CON	DITIONS  TETHER	BCT	6204854 TE none
OGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED NO DOWNLOAD OK Anchored to same roc Replac#9  SITE ID OGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH	Tidbit 23 Feb PE YSI 150 cm D FUNCTION  Ck as pcnDN2	LOGGER S 2021 DOW WATER  SLODGED WAL Wet  LOGGER S DOW WATER	SERIAL # VNLOAD TIME TEMP 1.0  LOGGER CO  NO R  IF DRY, H  COMIM  SERIAL # VNLOAD TIME TEMP  LOGGER CO  R  IF DRY, H	AIR TEMP  AIR TEMP  AIR TEMP  AIR TEMP  DIDITIONS  EASON  EIGHT ABOVE  ENTS	2.0	BANK UTM CREW ICE CON	DITIONS  TETHER	BCT	6204854 TE none
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH BURIED NO OWN Iload OK Anchored to same roc Replac#9  BITE ID OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH	Tidbit 23 Feb PE YSI 150 cm D FUNCTION  Ck as pcnDN2	LOGGER S 2021 DOW WATER  SLODGED WAL Wet  LOGGER S DOW WATER	SERIAL # VNLOAD TIME TEMP 1.0  LOGGER CO  NO R  IF DRY, H  COMIM  SERIAL # VNLOAD TIME TEMP  LOGGER CO  R  IF DRY, H	AIR TEMP  AIR TEMP  AIR TEMP  AIR TEMP  DIDITIONS  EASON  EIGHT ABOVE  ENTS	2.0	BANK UTM CREW ICE CON	DITIONS  TETHER	BCT	6204854 TE none
OGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED NO DOWNLOAD OK Anchored to same roc Replac#9  BITE ID OGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH	Tidbit 23 Feb PE YSI 150 cm D FUNCTION  Ck as pcnDN2	LOGGER S 2021 DOW WATER  SLODGED WAL Wet  LOGGER S DOW WATER	SERIAL # VNLOAD TIME TEMP 1.0  LOGGER CO  NO R  IF DRY, H  COMIM  SERIAL # VNLOAD TIME TEMP  LOGGER CO  R  IF DRY, H	AIR TEMP  AIR TEMP  AIR TEMP  AIR TEMP  DIDITIONS  EASON  EIGHT ABOVE  ENTS	2.0	BANK UTM CREW ICE CON	DITIONS  TETHER	BCT	6204854 TE none

	UFEAU										ICARLE	
9.	msUP1	LOCAT		IVA I UIVI		S Forebox	DOWNL	BANK	INI O	IZIVIA	IONI	OIXIVI
LOGGER TYPE	Tidb		LOGGER	SERIAL #	GIVI	S Forebay 20823636		UTM		548	841	6209022
DOWNLOAD DATE	29	Jun	2021 <b>DOV</b>		TIME	8:51		CREW		0-101	BC T	
TEST RECORDER TY		YSI	WATER		14.0	AIR TEMP	25.0	ICECC	ודומאמ	IONS		none
						ONDITIONS	20.0	102 00	7115111	0110		
WATER DEPTH	100	cm DIS	SLODGED	no		EASON						
		INCTION				HEIGHT ABOVE	: WATED		om 7	TETUEE	RTYPE	
BURIED no	FU	INC HON	AL wet	11	COMM		WATER		CIII		TIPE	steel buoy
Dow nload OK Stainless steel cable Replac#51	OK											
	msUP2	LOCAT			GM	S Forebay		BANK				
LOGGER TYPE	Tidb		LOGGER S		TIME	20823637	•	UTM		548		6209022
DOWNLOAD DATE FEST RECORDER TY	29 <b>/PF</b>	Jun YSI	2021 DOV		8.5	8:48	25.0	CREW	ידוחואי	IUNG	BC	none
LOT NECONDER 11		1 01	WATER			ONDITIONS	20.0	ICECC	ו ו וטויי	CNO		HOHE
WATER DEPTH	10	m DIS	SLODGED	no		EASON						
<b>BURIED</b> no		INCTION				EIGHT ABOVE	WATER		cm 7	TETHER	RTYPE	steel buoy
					COMM	IENTS						
LOGGER TYPE	msDN2 Tidb	LOCAT iit Jun	ION LOGGER S			Tailrace RDB 10669739 10:4(	0	BANK UTM CREW		548	828 BC	north 6207836 TE
LOGGER TYPE DOWNLOAD DATE	Tidb 29	it	LOGGER	VNLOAD		10669739	0 25.0	UTM	DNDITI			6207836
OGGER TYPE DOWNLOAD DATE TEST RECORDER TY	Tidb 29 <b>/PE</b>	Jun YSI	LOGGER S 2021 DOV WATER	WNLOAD TEMP	FIME 6.6 GGER CC	10669739 10:40 AIR TEMP ONDITIONS		UTM CREW	DNDITI			6207836 TE
OGGER TYPE DOWNLOAD DATE TEST RECORDER TY WATER DEPTH	Tidb 29 <b>/PE</b>	Jun YSI cm DIS	LOGGER S 2021 DOW WATER SLODGED	VNLOAD TEMP LOG	FIME 6.6 GER CC	10669739 10:40 AIR TEMP DNDITIONS EASON	25.0	UTM CREW		IONS	BC -	6207836 TE none
OGGER TYPE DOWNLOAD DATE TEST RECORDER TY	Tidb 29 <b>/PE</b>	Jun YSI	LOGGER S 2021 DOW WATER SLODGED	VNLOAD TEMP LOG	FIME 6.6 GER CC	10669739 10:40 AIR TEMP DIDITIONS EASON HEIGHT ABOVE	25.0	UTM CREW		IONS		6207836 TE
OGGER TYPE DOWNLOAD DATE TEST RECORDER TY WATER DEPTH BURIED no Primary Logger - Rep Back-up logger gmsE Both dow nloads OK	120 FU Dlac#11, S	Jun YSI  cm DIS INCTION  SN 10669 same cap	2021 DOV WATER SLODGED AL wet	NNLOAD TEMP LOG no II	F DRY, H	10669739 10:40 AIR TEMP CONDITIONS EASON HEIGHT ABOVE IENTS 21 downloaded	25.0 E WATER	UTM CREW ICE CO		IONS	BC -	6207836 TE none
OGGER TYPE DOWNLOAD DATE TEST RECORDER TY WATER DEPTH BURIED no Primary Logger - Rep Back-up logger gms D Soth downloads OK sable OK (stainless	120 FU Dlac#11, S	Jun YSI  cm DIS INCTION  SN 10669 same cap	LOGGER 3 2021 DOV WATER SLODGED AL wet 739 sule; Repla attached to	NNLOAD TEMP LOG no II	GGER CO R F DRY, H COMM	10669739 10:40 AIR TEMP CONDITIONS EASON HEIGHT ABOVE TENTS 21 downloaded	25.0 E WATER	UTM CREW ICE CO		IONS	BC*	6207836 TE none
OGGER TYPE OWNLOAD DATE TEST RECORDER TY WATER DEPTH BURIED no Primary Logger - Rep Back-up logger gms D Both downloads OK able OK (stainless	Tidb 29 /PE  120 FU  blac#11, S DN2BU in s steel cable	Jun YSI Cm DISINCTION. SN 10669 same cape e section	LOGGER 3 2021 DOV WATER SLODGED AL wet 739 sule; Repla attached to	NNLOAD TEMP LOG no II ac#37, SN	GGER CO R F DRY, H COMM	10669739 10:4( AIR TEMP DNDITIONS EASON HEIGHT ABOVE IENTS 21 downloaded around rock)  Tailrace LDB 20655136	25.0 E WATER 1 @ 10:40	UTM CREW ICE CC		TETHE	BC RTYPE	6207761 6207761
OGGER TYPE OWNLOAD DATE TEST RECORDER TY WATER DEPTH BURIED no Primary Logger - Rep Back-up logger gms D Both downloads OK able OK (stainless a	Tidb 29 /PE  120 FU  blac#11, S DN2BU in s steel cable msDN1 Tidb 29	Jun YSI  Cm DISINCTION  SN 10669 same cape e section  LOCAT it Jun	LOGGER S 2021 DOV WATER SLODGED AL wet  739 sule; Repla attached to	NNLOAD TEMP LOG no II ac#37, SN galvanize	F DRY, F COMM  203321  d cable	10669739 10:4( AIR TEMP DNDITIONS EASON HEIGHT ABOVE IENTS  21 downloaded around rock)  Tailrace LDB 20655136 11:36	25.0 EWATER 1 @ 10:40	UTM CREW ICE CO	cm 1	SOU 5486	BC TYPE	6207761 TE none rock
OGGER TYPE OWNLOAD DATE IEST RECORDER TY WATER DEPTH BURIED no  rimary Logger - Rep Back-up logger gms D OOK (stainless and stainless and stai	Tidb 29 /PE  120 FU  blac#11, S DN2BU in s steel cable msDN1 Tidb 29	Jun YSI Cm DISINCTION. SN 10669 same cape e section	LOGGER S 2021 DOV WATER SLODGED AL wet 739 sule; Repla attached to	NNLOAD TEMP LOG no II ac#37, SN galvanize	GMS GGER CC R F DRY, F COMM COMM	10669739 10:4( AIR TEMP DNDITIONS EASON HEIGHT ABOVE IENTS  21 downloaded around rock)  Tailrace LDB 20655136 11:36 AIR TEMP	25.0 E WATER 1 @ 10:40	UTM CREW ICE CO	cm 1	SOU 5486	BC RTYPE	6207761 6207761
OGGER TYPE OWNLOAD DATE TEST RECORDER TY WATER DEPTH BURIED no Primary Logger - Rep Back-up logger gms.D Both downloads OK sable OK (stainless:	Tidb 29 /PE  120  FU  blac#11, S DN2BU in s steel cable msDN1 Tidb 29 /PE	Jun YSI  Cm DISINCTION  SN 10669 same cap e section  LOCAT it Jun YSI	LOGGER S 2021 DOV WATER SLODGED AL wet  739 sule; Repla attached to  LOGGER S 2021 DOV WATER	NNLOAD TEMP LOG no II  ac#37, SN galvanize  SERIAL # NNLOAD TEMP LOG	GMS GGER COMM COMM COMM COMM COMM COMM COMM COMM	10669739 10:4( AIR TEMP  DNDITIONS  EASON HEIGHT ABOVE IENTS  21 downloaded around rock)  Tailrace LDB 20655136 11:36 AIR TEMP  DNDITIONS	25.0 EWATER 1 @ 10:40	UTM CREW ICE CO	cm 1	SOU 5486	BC RTYPE	6207836 TE none rock
OGGER TYPE DOWNLOAD DATE TEST RECORDER TY WATER DEPTH BURIED no Primary Logger - Rep Back-up logger gms. Both downloads OK sable OK (stainless: COGGER TYPE DOWNLOAD DATE TEST RECORDER TY WATER DEPTH	Tidb 29 /PE  120  FU  blac#11, S DN2BU in s steel cable msDN1 Tidb 29 /PE	Jun YSI  Cm DISINCTION  SN 10669 same cap e section  LOCAT it Jun YSI  cm DIS	LOGGER S 2021 DOV WATER SLODGED  AL wet  Triangle State of the state o	no II  ac#37, SN  galvanize  SERIAL #  WNLOAD  TEMP  LOG  no	GMS GGER CC  R  COM M  203321  d cable	10669739 10:4( AIR TEMP  DNDITIONS  EASON HEIGHT ABOVE IENTS  21 downloaded around rock)  Tailrace LDB 20655136 11:36 AIR TEMP  DNDITIONS  EASON	25.0 E WATER 1 @ 10:40 6 25.0	UTM CREW ICE CO	cm 1	SOU 5486	BCTRTYPE	6207836 TE none rock 6207761 TE none
OGGER TYPE DOWNLOAD DATE FEST RECORDER TY WATER DEPTH BURIED no Primary Logger - Rep Back-up logger gmsE Both downloads OK cable OK (stainless:	Tidb 29 /PE  120  FU  blac#11, S DN2BU in s steel cable msDN1 Tidb 29 /PE	Jun YSI  Cm DISINCTION  SN 10669 same cap e section  LOCAT  it Jun YSI	LOGGER S 2021 DOV WATER  SLODGED  AL wet  Triangle SLODGED  AL Wet  Triangle SLODGED  WATER  SLODGED  LOGGER S 2021 DOV WATER	no II  ac#37, SN  galvanize  SERIAL #  WNLOAD  TEMP  LOG  no	GMS GGER CC  R  COM M  203321  d cable	10669739 10:4( AIR TEMP DNDITIONS EASON HEIGHT ABOVE IENTS  21 downloaded around rock)  Tailrace LDB 20655136 11:36 AIR TEMP DNDITIONS EASON HEIGHT ABOVE	25.0 E WATER 1 @ 10:40 6 25.0	UTM CREW ICE CO	cm 1	SOU 5486	BC RTYPE	6207761 TE none rock

В	C HYD	RO PE	ACE RIV	ER 1	TEMPE	RATUI	RE MON	ITORING -	DOWNL	OAD	NFC	)RMA	TION F	ORM
SITEID		pcnUP1	LOCA					N Forebay		BANK				north
LOGGER T			idbit		OGGER S	CEDIAL		20332186		UTM		EG	0604	6204075
					)21 <b>DOV</b>			14:2	1			302	2684	TE
DOWNLOA										CREW			ВС	
TEST RECO	ORDER	YPE	YSI		WATER		8.7	AIR TEMP	36.0	ICEC	DNDI	TIONS		none
						LC	OGGER CC	NDITIONS						
WATER D	DEPTH	100	cm D	ISLO	DDGED	no	RI	EASON						
BURIED	no		FUNCTION	NAL	w et		IF DRY, H	EIGHT ABOVE	WATER		cm	TETHE	RTYPE	log boom
							COMM	ENTS						Ü
dow nload (	ЭK													
stainless st	teel cabl	e OK												
Replac#42														
SITEID		pcnDN2	LOCA	TION	J		PCN	N Tailrace		BANK				north
LOGGER T			idbit		OGGER S	SERIAL		10156319		UTM		562	2803	6204854
DOWNLOA		29	Jun		21 <b>DOV</b>			13:2	2	CREW				TE
TEST RECO			YSI	_	WATER		8.7	AIRTEMP	36.0	ICEC		TIONS		none
						LC	GGER CC	NDITIONS						
WATER D	DEPTH	150	cm D	ISLC	DDGED	no	RI	EASON			1			
BURIED	no		FUNCTION	NAL	w et		IF DRY, H	EIGHT ABOVE	WATER		cm	TETHE	RTYPE	rock
							COMM	ENTS						
Dow nload i	initially fa	ailed, the	n OK; logg	er 10	156319	(RPL#1)	replaced	w ith 20332187	(Replc#4	3).				
SITEID	po	:nDN2_B	U <b>LOCA</b>	TION	1		PC	N Tailrace		BANK				north
LOGGER T	YPE	T	U <mark>LOCA</mark>	LC	OGGER		#	10635061		BANK UTM		562	2803	6204854
LOGGER T	YPE D DATE	T 29	idbit 9 Jun	<b>L</b> (	OGGER S	WNLOAD	# D TIME	10635061 13:2				562		
LOGGER T	YPE D DATE	T 29	idbit	<b>L</b> (	OGGER	WNLOAD R TEMP	# D TIME 8.7	10635061 13:2 AIR TEMP	1 36.0	UTM				6204854
LOGGER T DOWNLOA TEST RECO	YPE D DATE	T 29 <b>ГҮРЕ</b>	idbit 9 Jun YSI	<b>L</b> (	OGGER S 21 DOV WATER	WNLOAD R TEMP	# D TIME 8.7 DGGER CO	10635061 13:2 AIR TEMP INDITIONS		UTM CREW				6204854 TE
LOGGER T DOWNLOA TEST RECO	YPE D DATE ORDER 1	TYPE 150	idbit  Jun  YSI  cm  D	20 20 0 SLO	OGGER S 21 DOW WATER ODGED	WNLOAD R TEMP	# D TIME 8.7 DGGER CO	10635061 13:2 AIR TEM P INDITIONS EASON	36.0	UTM CREW	ONDIT	TIONS	ВС	6204854 TE none
LOGGER T DOWNLOA TEST RECO	YPE D DATE	TYPE 150	idbit 9 Jun YSI	20 20 0 SLO	OGGER S 21 DOW WATER ODGED	WNLOAD R TEMP	# 8.7 OGGER CO RI IF DRY, H	10635061 13:2 AIR TEMP INDITIONS EASON EGHT ABOVE	36.0	UTM CREW	ONDIT	TIONS		6204854 TE
LOGGER T DOWNLOA TEST RECO	YPE D DATE ORDER 1	TYPE 150	idbit  Jun  YSI  cm  D	20 20 0 SLO	OGGER S 21 DOW WATER ODGED	WNLOAD R TEMP	# D TIME 8.7 DGGER CO	10635061 13:2 AIR TEMP INDITIONS EASON EGHT ABOVE	36.0	UTM CREW	ONDIT	TIONS	ВС	6204854 TE none
LOGGER T DOWNLOA TEST RECO	YPE D DATE ORDER 1	TYPE 150	idbit  Jun  YSI  cm  D	20 20 0 SLO	OGGER S 21 DOW WATER ODGED	WNLOAD R TEMP	# 8.7 OGGER CO RI IF DRY, H	10635061 13:2 AIR TEMP INDITIONS EASON EGHT ABOVE	36.0	UTM CREW	ONDIT	TIONS	ВС	6204854 TE none
LOGGER T DOWNLOA TEST RECO WATER D BURIED	ORDER 1 DEPTH	TYPE 150	idbit  Jun  YSI  cm  D	20 20 0 SLO	OGGER S 21 DOW WATER ODGED	WNLOAD R TEMP	# 8.7 OGGER CO RI IF DRY, H	10635061 13:2 AIR TEMP INDITIONS EASON EGHT ABOVE	36.0	UTM CREW	ONDIT	TIONS	ВС	6204854 TE none
LOGGER T DOWNLOA TEST RECO WATER D BURIED  Download	ORDER 1 DEPTH NO	T 29 <b>TYPE</b> 150	idbit Jun YSI cm D	20 20 0 SLO	OGGER S 21 DOW WATER ODGED	WNLOAD R TEMP	# 8.7 OGGER CO RI IF DRY, H	10635061 13:2 AIR TEMP INDITIONS EASON EGHT ABOVE	36.0	UTM CREW	ONDIT	TIONS	ВС	6204854 TE none
LOGGER T DOWNLOA TEST RECO WATER D BURIED  Download 0 Anchored t	ORDER 1 DEPTH NO	T 29 <b>TYPE</b> 150	idbit Jun YSI cm D	20 20 0 SLO	OGGER S 21 DOW WATER ODGED	WNLOAD R TEMP	# 8.7 OGGER CO RI IF DRY, H	10635061 13:2 AIR TEMP INDITIONS EASON EGHT ABOVE	36.0	UTM CREW	ONDIT	TIONS	ВС	6204854 TE none
LOGGER T DOWNLOA TEST RECO WATER D BURIED  Download	ORDER 1 DEPTH NO	T 29 <b>TYPE</b> 150	idbit Jun YSI cm D	20 20 0 SLO	OGGER S 21 DOW WATER ODGED	WNLOAD R TEMP	# 8.7 OGGER CO RI IF DRY, H	10635061 13:2 AIR TEMP INDITIONS EASON EGHT ABOVE	36.0	UTM CREW	ONDIT	TIONS	ВС	6204854 TE none
LOGGER T DOWNLOA TEST RECO WATER D BURIED  Download 0 Anchored t	ORDER 1 DEPTH NO	T 29 <b>TYPE</b> 150	idbit Jun YSI cm D	20 20 0 SLO	OGGER S 21 DOW WATER ODGED	WNLOAD R TEMP	# 8.7 OGGER CO RI IF DRY, H	10635061 13:2 AIR TEMP INDITIONS EASON EGHT ABOVE	36.0	UTM CREW	ONDIT	TIONS	ВС	6204854 TE none
LOGGER T DOWNLOA TEST RECO WATER D BURIED  Download 0 Anchored t	ORDER 1 DEPTH NO	T 29 <b>TYPE</b> 150	idbit Jun YSI cm D	20 20 0 SLO	OGGER S 21 DOW WATER ODGED	WNLOAD R TEMP	# 8.7 OGGER CO RI IF DRY, H	10635061 13:2 AIR TEMP INDITIONS EASON EGHT ABOVE	36.0	UTM CREW	ONDIT	TIONS	ВС	6204854 TE none
LOGGER T DOWNLOA TEST RECO WATER D BURIED  Download of Anchored t Replac#9	ORDER 1 DEPTH NO	T 29 <b>TYPE</b> 150	idbit  Jun  YSI  cm  D  FUNCTION	LO 200	OGGER 5 221 DOW WATER DDGED w et	WNLOAD R TEMP	# 8.7 OGGER CO RI IF DRY, H	10635061 13:2 AIR TEMP INDITIONS EASON EGHT ABOVE	36.0	UTM CREW ICE CO	cm	TIONS	ВС	6204854 TE none
LOGGER T DOWNLOA TEST RECO WATER D BURIED  Download of Anchored t Replac#9	YPE DD DATE DRDER 1 DEPTH no OK oo same	T 29 <b>TYPE</b> 150	idbit Jun YSI cm D	LO 200	OGGER 9 221 DOW WATER DDGED wet	WNLOAL RTEMP LC no	# D TIME 8.7 DGGER CO RI IF DRY, H	10635061 13:2 AIR TEMP INDITIONS EASON EGHT ABOVE	36.0	UTM CREW ICE CO	cm	TIONS	ВС	6204854 TE none
LOGGER T DOWNLOA TEST RECO WATER D BURIED  Download of Anchored t Replac#9	YPE DD DATE DRDER 1 DEPTH NO OK SO Same	TI 29 TYPE  150  rock as p	idbit  Jun  YSI  cm  D  FUNCTION	LO 200	OGGER S  DOGED  Wet  N  OGGER S	WNLOAL RTEMP LC	# D TIME 8.7 DGGER CO RI IF DRY, H	10635061 13:2 AIR TEMP INDITIONS EASON EGHT ABOVE	36.0	UTM CREW ICE CO	cm	TIONS	ВС	6204854 TE none
LOGGER T DOWNLOA TEST RECO WATER D BURIED  Download of Anchored t Replac#9  SITE ID LOGGER T DOWNLOA	YPE DDATE DEPTH no OK o same	TI 29 TYPE  150  rock as p	idbit  Jun  YSI  cm  D  FUNCTION	L(	OGGER S DOGED Wet  N OGGER S DOW	NNLOAL R TEMP LC no SERIAL WNLOAL	# D TIME 8.7 DGGER CO RI IF DRY, H	10635061 13:2 AIR TEM P INDITIONS EASON EIGHT ABOVE	36.0	UTM CREW ICE CO	cm	TETHE	ВС	6204854 TE none
LOGGER T DOWNLOA TEST RECO WATER D BURIED  Download of Anchored t Replac#9	YPE DDATE DEPTH no OK o same	TI 29 TYPE  150  rock as p	idbit  Jun  YSI  cm  D  FUNCTION	L(	OGGER S  DOGED  Wet  N  OGGER S	NNLOAL R TEMP LC NO SERIAL WNLOAL R TEMP	# 8.7 DGGER CC RI IF DRY, H COMM	AIR TEMP	36.0	UTM CREW ICE CO	cm	TETHE	ВС	6204854 TE none
LOGGER T DOWNLOA TEST RECO WATER D BURIED  Download ( Anchored t Replac#9  SITE ID LOGGER T DOWNLOA TEST RECO	YPE DRDER 1 DEPTH no OK o same  YPE D DATE D DATE D DATE D D DATE D D D D D D D D D D D D D D D D D D D	TI 29 TYPE  150  rock as p	idbit  Jun  YSI  cm  D  FUNCTION  LOCA	LC 200	OGGER S DOUGED Wet  NO OGGER S DOW WATER	NNLOAL R TEMP LC NO SERIAL WNLOAL R TEMP	# B.7 DGGER CCOMM  # DTIME  8.7 DGGER CCOMM  # DTIME  DGGER CCOMM	AIR TEMP	36.0	UTM CREW ICE CO	cm	TETHE	ВС	6204854 TE none
Download of Anchored the Replac#9  SITE ID LOGGER TOWNLOATEST RECO	YPE DRDER 1 DEPTH no OK o same  YPE D DATE D DATE D DATE D D DATE D D D D D D D D D D D D D D D D D D D	TYPE 150	Jun YSI cm D FUNCTION LOCA	LC 200	OGGER S DOUGED Wet  NO OGGER S DOW WATER	NNLOAL R TEMP LC NO SERIAL WNLOAL R TEMP	# B.7 DGGER CCOMM  # DTIME  # DTIME  # DTIME  DGGGER CCOMM	AIR TEMP	36.0	UTM CREW ICE CO	cm	TETHE	R TYPE	6204854 TE none
LOGGER T DOWNLOA TEST RECO WATER D BURIED  Download ( Anchored t Replac#9  SITE ID LOGGER T DOWNLOA TEST RECO	YPE DRDER 1 DEPTH no OK o same  YPE D DATE D DATE D DATE D D DATE D D D D D D D D D D D D D D D D D D D	TYPE 150	idbit  Jun  YSI  cm  D  FUNCTION  LOCA	LC 200	OGGER S DOUGED Wet  NO OGGER S DOW WATER	NNLOAL R TEMP LC NO SERIAL WNLOAL R TEMP	# D TIME 8.7 DGGER CO RI IF DRY, H COMM	AIR TEMP  AIR TEMP  AIR TEMP  AIR TEMP  BOTTONS  AIR TEMP  AIR TEM	36.0	UTM CREW ICE CO	cm	TETHE	ВС	6204854 TE none
Download of Anchored the Replac#9  SITE ID LOGGER TOWNLOATEST RECO	YPE DRDER 1 DEPTH no OK o same  YPE D DATE D DATE D DATE D D DATE D D D D D D D D D D D D D D D D D D D	TYPE 150	Jun YSI cm D FUNCTION LOCA	LC 200 SISLO	OGGER S DOUGED Wet  NO OGGER S DOW WATER	NNLOAL R TEMP LC NO SERIAL WNLOAL R TEMP	# B.7 DGGER CCOMM  # DTIME  # DTIME  # DTIME  DGGGER CCOMM	AIR TEMP  AIR TEMP  AIR TEMP  AIR TEMP  BOTTONS  AIR TEMP  AIR TEM	36.0	UTM CREW ICE CO	cm	TETHE	R TYPE	6204854 TE none
Download of Anchored the Replac#9  SITE ID LOGGER TOWNLOATEST RECO	YPE DRDER 1 DEPTH no OK o same  YPE D DATE D DATE D DATE D D DATE D D D D D D D D D D D D D D D D D D D	TYPE 150	Jun YSI cm D FUNCTION LOCA	LC 200 SISLO	OGGER S DOUGED Wet  NO OGGER S DOW WATER	NNLOAL R TEMP LC NO SERIAL WNLOAL R TEMP	# D TIME 8.7 DGGER CO RI IF DRY, H COMM	AIR TEMP  AIR TEMP  AIR TEMP  AIR TEMP  BOTTONS  AIR TEMP  AIR TEM	36.0	UTM CREW ICE CO	cm	TETHE	R TYPE	6204854 TE none
Download of Anchored the Replac#9  SITE ID LOGGER TOWNLOATEST RECO	YPE DRDER 1 DEPTH no OK o same  YPE D DATE D DATE D DATE D D DATE D D D D D D D D D D D D D D D D D D D	TYPE 150	Jun YSI cm D FUNCTION LOCA	LC 200 SISLO	OGGER S DOUGED Wet  NO OGGER S DOW WATER	NNLOAL R TEMP LC NO SERIAL WNLOAL R TEMP	# D TIME 8.7 DGGER CO RI IF DRY, H COMM	AIR TEMP  AIR TEMP  AIR TEMP  AIR TEMP  BOTTONS  AIR TEMP  AIR TEM	36.0	UTM CREW ICE CO	cm	TETHE	R TYPE	6204854 TE none
Download of Anchored the Replac#9  SITE ID LOGGER TOWNLOATEST RECO	YPE DRDER 1 DEPTH no OK o same  YPE D DATE D DATE D DATE D D DATE D D D D D D D D D D D D D D D D D D D	TYPE 150	Jun YSI cm D FUNCTION LOCA	LC 200 SISLO	OGGER S DOUGED Wet  NO OGGER S DOW WATER	NNLOAL R TEMP LC NO SERIAL WNLOAL R TEMP	# D TIME 8.7 DGGER CC RI IF DRY, H COMM	AIR TEMP  AIR TEMP  AIR TEMP  AIR TEMP  BOTTONS  AIR TEMP  AIR TEM	36.0	UTM CREW ICE CO	cm	TETHE	R TYPE	6204854 TE none
Download of Anchored the Replac#9  SITE ID LOGGER TOWNLOATEST RECO	YPE DRDER 1 DEPTH no OK o same  YPE D DATE D DATE D DATE D D DATE D D D D D D D D D D D D D D D D D D D	TYPE 150	Jun YSI cm D FUNCTION LOCA	LC 200 SISLO	OGGER S DOUGED Wet  NO OGGER S DOW WATER	NNLOAL R TEMP LC NO SERIAL WNLOAL R TEMP	# D TIME 8.7 DGGER CC RI IF DRY, H COMM	AIR TEMP  AIR TEMP  AIR TEMP  AIR TEMP  BOTTONS  AIR TEMP  AIR TEM	36.0	UTM CREW ICE CO	cm	TETHE	R TYPE	6204854 TE none
Download of Anchored the Replac#9  SITE ID LOGGER TOWNLOATEST RECO	YPE DRDER 1 DEPTH no OK o same  YPE D DATE D DATE D DATE D D DATE D D D D D D D D D D D D D D D D D D D	TYPE 150	Jun YSI cm D FUNCTION LOCA	LC 200 SISLO	OGGER S DOUGED Wet  NO OGGER S DOW WATER	NNLOAL R TEMP LC NO SERIAL WNLOAL R TEMP	# D TIME 8.7 DGGER CC RI IF DRY, H COMM	AIR TEMP  AIR TEMP  AIR TEMP  AIR TEMP  BOTTONS  AIR TEMP  AIR TEM	36.0	UTM CREW ICE CO	cm	TETHE	R TYPE	6204854 TE none

שאם ווו סכ	) PFACE D					() $\Delta$ I) II			
SITE ID gm:		CATION	ERATURE MOI	//S Forebay	- TINL	BANK	TOTALIA	. TOR I'V	UT COM
LOGGER TYPE	Tidbit		SERIAL #	20823636		UTM	548	3841	6209022
OOWNLOAD DATE	19 O		WNLOAD TIME	11:01	1	CREW	0.10	BC	
EST RECORDER TYP	PE Y	SI WATER	<b>RTEMP</b> 10.4	AIRTEMP	-2.0	ICECO	NDITIONS		none
			LOGGER C	ONDITIONS					
WATER DEPTH	100 cm	DISLODGED	no I	REASON					
BURIED no	FUNCT	IONAL wet	IF DRY.	HEIGHT ABOVE	WATER		cm TETHE	RTYPE	steel buoy
				MENTS					Older Budy
Oow nload OK Stainless steel cable C Replac#51	DK .								
SITE ID am	sUP2 LO	CATION	CA	AC Farabay		DANK		1	
OGGER TYPE	Tidbit	LOGGER	SERIAL #	//S Forebay 20823637		BANK	5/19	3841	6209022
DOWNLOAD DATE	19 O		WNLOAD TIME	11:04	4	CREW	040	BC	
EST RECORDER TYP	PE Y		<b>RTEMP</b> 10.4	AIRTEMP	-2.0		NDITIONS		none
				ONDITIONS					
WATER DEPTH	10 m	DISLODGED		REASON	\A/A T.		TET: 1-	D T (CC	
<b>BURIED</b> no	FUNCT	IONAL wet	,	HEIGHT ABOVE	WATER		cm TETHE	KIYPE	steel buo
OGGER TYPE	sDN2 LOC Tidbit		GMS SERIAL # WNLOAD TIME	Tailrace RDB 10669739 11:39	9	BANK UTM CREW	548	3828 BC	north 6207836 TE
OGGER TYPE	Tidbit 19 O	LOGGER et 2021 DO	SERIAL # WNLOAD TIME R TEMP 9.4	10669739 11:39 AIR TEMP	9 2.0	UTM CREW	548		6207836
OGGER TYPE DOWNLOAD DATE EST RECORDER TYPE	Tidbit 19 O	LOGGER et 2021 DO' SI WATER	SERIAL # WNLOAD TIME R TEMP 9.4 LOGGER C	10669739 11:39 AIR TEMP ONDITIONS	-	UTM CREW			6207836 TE
OGGER TYPE DOWNLOAD DATE EST RECORDER TYPE WATER DEPTH	Tidbit 19 Oc PE Y:	LOGGER et 2021 DO SI WATER	SERIAL # WNLOAD TIME R TEMP 9.4 LOGGER C	10669739 11:39 AIR TEMP ONDITIONS REASON	2.0	UTM CREW ICE CO	NDITIONS	BC	6207836 TE none
OGGER TYPE DOWNLOAD DATE EST RECORDER TYPE	Tidbit 19 Oc PE Y:	LOGGER et 2021 DO' SI WATER	SERIAL # WNLOAD TIME R TEMP 9.4 LOGGER C no IF DRY,	10669739 11:39 AIR TEMP ONDITIONS	2.0	UTM CREW ICE CO		BC	6207836 TE
OGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH	Tidbit  19 Or  PE Y:  120 cm  FUNCT  ac#11, SN 10  N2BU in same	LOGGER ct 2021 DO' SI WATER DISLODGED IONAL w et	SERIAL # WNLOAD TIME R TEMP 9.4 LOGGER C no IF DRY, COMI	10669739 11:36 AIR TEMP ONDITIONS REASON HEIGHT ABOVE MENTS 121 dow nloaded	2.0	UTM CREW ICE CO	NDITIONS	BC	6207836 TE none
OGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no Primary Logger - Replate Back-up logger gms DN Both downloads OK able OK (stainless statements) The statement of the statement	Tidbit  19 Oct  120 cm  FUNCT  ac#11, SN 10  N2BU in same  teel cable sec	LOGGER ct 2021 DO' SI WATER  DISLODGED IONAL w et  0669739 capsule; Repl ction attached to	SERIAL # WNLOAD TIME R TEMP 9.4  LOGGER C no IF DRY, COMI  ac#37, SN 20332  b galvanized cable  GMS	AIR TEMP ONDITIONS REASON HEIGHT ABOVE WENTS  121 dow nloaded e around rock)	2.0	UTM CREW ICE CO	NDITIONS  Cm TETHE	R TYPE	6207836 TE none rock
OGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no Primary Logger - Replate Back-up logger gms DN Both downloads OK able OK (stainless statements) The statement of the statement	Tidbit  19 Oct  120 cm  FUNCT  ac#11, SN 10  N2BU in same  teel cable sec	LOGGER ct 2021 DO' SI WATER  DISLODGED IONAL w et  0669739 capsule; Repl ction attached to	SERIAL # WNLOAD TIME R TEMP 9.4  LOGGER C no IF DRY, COMI  ac#37, SN 20332  o galvanized cable  GMS SERIAL #	AIR TEMP ONDITIONS REASON HEIGHT ABOVE WENTS  121 dow nloaded e around rock)  5 Tailrace LDB 20655136	2.0 <b>EWATER</b>	UTM CREW ICE CO	NDITIONS  Cm TETHE	BC R TYPE	6207761 6207761
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH BURIED no  rimary Logger - Replacek-up logger gms DN oth dow nloads OK able OK (stainless si	Tidbit  19 Oct  120 cm  FUNCT  ac#11, SN 10  N2BU in same  teel cable sectors  SDN1 LOCT  Tidbit  19 Oct  19 Oct  Tidbit	LOGGER ct 2021 DO' SI WATER  DISLODGED IONAL w et  0669739 capsule; Repl ction attached to  LOGGER ct 2021 DO'	SERIAL # WNLOAD TIME R TEMP 9.4  LOGGER C no IF DRY, COMI  ac#37, SN 20332  g galvanized cable  GMS SERIAL # WNLOAD TIME	AIR TEMP ONDITIONS REASON HEIGHT ABOVE WENTS  121 dow nloaded a around rock)  5 Tailrace LDB 20655136 11:58	2.0  E WATER  1 @ 11:37	UTM CREW ICE CO	NDITIONS  cm TETHE  so 548	R TYPE	6207761 TE none rock
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH BURIED no  rimary Logger - Replated the control of the co	Tidbit  19 Oct  120 cm  FUNCT  ac#11, SN 10  N2BU in same  teel cable sectors  SDN1 LOCT  Tidbit  19 Oct  19 Oct  Tidbit	LOGGER ct 2021 DO' SI WATER  DISLODGED IONAL w et  0669739 capsule; Repl ction attached to  LOGGER ct 2021 DO'	SERIAL # WNLOAD TIME R TEMP 9.4  LOGGER C no IF DRY, COMI  ac#37, SN 20332  g galvanized cable  GMS SERIAL # WNLOAD TIME R TEMP 10.3	AIR TEMP ONDITIONS REASON HEIGHT ABOVE WENTS  121 dow nloaded e around rock)  5 Tailrace LDB 20655136	2.0 <b>EWATER</b>	UTM CREW ICE CO	NDITIONS  Cm TETHE	BC R TYPE	6207761 TE none rock
OGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no Primary Logger - Repla Back-up logger gms DN Soth downloads OK sable OK (stainless st	Tidbit  19 Oct  120 cm  FUNCT  ac#11, SN 10  N2BU in same  teel cable sectors  SDN1 LOCT  Tidbit  19 Oct  19 Oct  Tidbit	LOGGER ct 2021 DO' SI WATER  DISLODGED IONAL w et  0669739 capsule; Repl ction attached to  LOGGER ct 2021 DO' SI WATER	SERIAL # WNLOAD TIME R TEMP 9.4  LOGGER C  no IF DRY,  COMI  ac#37, SN 20332  a galvanized cable  GMS SERIAL # WNLOAD TIME R TEMP 10.3  LOGGER C	AIR TEMP ONDITIONS REASON HEIGHT ABOVE WENTS  121 dow nloaded e around rock)  5 Tailrace LDB 20655136 11:55 AIR TEMP	2.0  E WATER  1 @ 11:37	BANK UTM CREW ICE CO	NDITIONS  cm TETHE  so 548  NDITIONS	BC R TYPE  uth	6207761 TE none rock
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH BURIED no  rimary Logger - Replated Reck-up logger gms DN soth downloads OK able OK (stainless statements)  FITE ID gm OGGER TYPE OWNLOAD DATE EST RECORDER TYPE	Tidbit  19 Oc PE Y:  120 cm FUNCT  ac#11, SN 10 N2BU in same teel cable sec  sDN1 LOC Tidbit 19 Oc PE Y:  120 cm	LOGGER ct 2021 DO' SI WATER  DISLODGED IONAL w et  0669739 capsule; Repl ction attached to  LOGGER ct 2021 DO' SI WATER	SERIAL # WNLOAD TIME R TEMP 9.4  LOGGER C  no IF DRY,  COMI  ac#37, SN 20332  a galvanized cable  GMS SERIAL # WNLOAD TIME R TEMP 10.3  LOGGER C  no IF DRY,	AIR TEMP ONDITIONS REASON HEIGHT ABOVE WENTS  121 dow nloaded a around rock)  5 Tailrace LDB 20655136 11:59 AIR TEMP ONDITIONS REASON HEIGHT ABOVE	2.0  E WATER  1 @ 11:37	BANK UTM CREW ICE CO	NDITIONS  cm TETHE  so 548	BC R TYPE  uth	6207761 TE none rock
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH BURIED no  Trimary Logger - Replate Ack-up logger gms DN toth downloads OK able OK (stainless state)  TITE ID gm: OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH	Tidbit  19 Oc PE Y:  120 cm FUNCT  ac#11, SN 10 N2BU in same teel cable sec  sDN1 LOC Tidbit 19 Oc PE Y:  120 cm	LOGGER ct 2021 DO SI WATER  DISLODGED  IONAL w et  0669739 capsule; Repl ction attached to  LOGGER ct 2021 DO SI WATER	SERIAL # WNLOAD TIME R TEMP 9.4  LOGGER C  no IF DRY,  COMI  ac#37, SN 20332  a galvanized cable  GMS SERIAL # WNLOAD TIME R TEMP 10.3  LOGGER C  no IF DRY,	AIR TEMP ONDITIONS REASON HEIGHT ABOVE WENTS  121 dow nloaded a around rock)  5 Tailrace LDB 20655136 11:59 AIR TEMP ONDITIONS REASON	2.0  E WATER  1 @ 11:37	BANK UTM CREW ICE CO	NDITIONS  cm TETHE  so 548  NDITIONS	BC R TYPE  uth	6207761 TE none 6207761 TE none

В	CHYD	RO PE	ACE RIV	ER TE	MPERATI	URE MON	NITORING - DOV	VNLOAD	INFO	DRMATION	FORM
SITEID		pcnUP1	LOCA	TION		PC	N Forebay	BANK			north
LOGGER T	YPE	1	idbit		GER SERIA		20332186	UTM		562684	6204075
DOWNLOA					DOWNLO		12:50	CREW	,		C TE
TEST RECO			YSI		ATER TEMP		AIR TEMP 4.0				none
TEST NECC		IFE	1 01	**			ONDITIONS	ICEC	ONDI	TIONS	Tione
WATER R	EDTIL	400		101.00							
WATER D	EPIH	100	cm <b>D</b>		<b>GED</b> no		REASON				
BURIED	no		FUNCTION	VAL \	w et		HEIGHT ABOVE WAT	TER	cm	TETHER TYPE	log boom
						COM	MENTS				
dow nload ir											
	,		2) replaced	l with 2	20823638 (Re	eplc#53).					
stainless st	eel cabl	e OK									
SITEID		pcnDN2	LOCA				N Tailrace	BANK			north
LOGGER T			idbit		GER SERIA		20332187	UTM		562803	6204854
DOWNLOA					DOWNLO		13:16	CREW			CTE
TEST RECO	DRDER	YPE	YSI	VV	ATER TEMP		AIR TEMP 4.0	ICEC	ONDI	TIONS	none
WATER D	EDTU	150	- D	ISI OD			ONDITIONS REASON				
BURIED	no	150	cm D		GED no		HEIGHT ABOVE WAT	ED		TETHER TYPE	un ale
BURIED	ПО		PONCTION	VAL	Wel		MENTS		Cm	TETHEN TIPE	rock
						COMIN	III TI				
Dow nload C	)K										
Replc#43	<b>-</b> 11										
Topion To											
SITEID	po	nDN2 E	BU LOCA	TION		PC	CN Tailrace	BANK			north
SITE ID LOGGER T			BU LOCA		GGER SERIA		CN Tailrace 10635061	BANK		562803	north 6204854
	YPE	7	idbit	LOG	GGER SERIA	L #					
LOGGER T	YPE D DATE	1	idbit	<b>LOG</b> 2021		L# ADTIME	10635061	UTM CREW	,		6204854
LOGGER T	YPE D DATE	1	idbit 9 Oct YSI	2021 W	DOWNLO	L # AD TIME 2 10.1	10635061 13:18	UTM CREW	,	В	6204854 C TE
LOGGER T	YPE D DATE ORDER 1	1	idbit 9 Oct	2021 W	DOWNLO	L# AD TIME 10.1  OGGER C	10635061 13:18 <b>AIR TEMP</b> 4.0	UTM CREW	,	В	6204854 C TE
LOGGER TY DOWNLOA TEST RECO	YPE D DATE ORDER 1	1 「YPE	idbit 9 Oct YSI	2021 W	DOWNLO	L# AD TIME 10.1 LOGGER C	10635061 13:18 AIR TEMP 4.0 ONDITIONS	UTM CREW ICEC	ONDI	В	6204854 C TE none
LOGGER TO DOWNLOA TEST RECO	YPE D DATE ORDER 1	1 「YPE	idbit 9 Oct YSI cm D	2021 W	DOWNLOA VATER TEMP I GED no	L# AD TIME 10.1 LOGGER C IF DRY, I	10635061 13:18 AIR TEMP 4.0 ONDITIONS REASON	UTM CREW ICEC	ONDI	TIONS B	6204854 C TE none
LOGGER TO DOWNLOA TEST RECO	YPE D DATE ORDER 1	1 「YPE	idbit 9 Oct YSI cm D	2021 W	DOWNLOA VATER TEMP I GED no	L# AD TIME 10.1 LOGGER C IF DRY, I	10635061 13:18 AIR TEMP 4.0 ONDITIONS REASON HEIGHT ABOVE WAT	UTM CREW ICEC	ONDI	TIONS B	6204854 C TE none
LOGGER T' DOWNLOA TEST RECO WATER D BURIED	YPE D DATE DRDER 1 DEPTH NO	1 「YPE	idbit 9 Oct YSI cm D	2021 W	DOWNLOA VATER TEMP I GED no	L# AD TIME 10.1 LOGGER C IF DRY, I	10635061 13:18 AIR TEMP 4.0 ONDITIONS REASON HEIGHT ABOVE WAT	UTM CREW ICEC	ONDI	TIONS B	6204854 C TE none
LOGGER TO DOWNLOAD TEST RECO	YPE D DATE DROER 1 EPTH no	150	odbit 9 Oct YSI cm D	2021 W	DOWNLOA VATER TEMP I GED no	L# AD TIME 10.1 LOGGER C IF DRY, I	10635061 13:18 AIR TEMP 4.0 ONDITIONS REASON HEIGHT ABOVE WAT	UTM CREW ICEC	ONDI	TIONS B	6204854 C TE none
LOGGER TO DOWNLOAD TEST RECOMMENTED BURIED  Download Concorded to Anchored to	YPE D DATE DROER 1 EPTH no	150	odbit 9 Oct YSI cm D	2021 W	DOWNLOA VATER TEMP I GED no	L# AD TIME 10.1 LOGGER C IF DRY, I	10635061 13:18 AIR TEMP 4.0 ONDITIONS REASON HEIGHT ABOVE WAT	UTM CREW ICEC	ONDI	TIONS B	6204854 C TE none
LOGGER TO DOWNLOAD TEST RECO	YPE D DATE DROER 1 EPTH no	150	odbit 9 Oct YSI cm D	2021 W	DOWNLOA VATER TEMP I GED no	L# AD TIME 10.1 LOGGER C IF DRY, I	10635061 13:18 AIR TEMP 4.0 ONDITIONS REASON HEIGHT ABOVE WAT	UTM CREW ICEC	ONDI	TIONS B	6204854 C TE none
LOGGER TO DOWNLOAD TEST RECOMMENTED BURIED  Download Concorded to Anchored to	YPE D DATE DROER 1 EPTH no	150	odbit 9 Oct YSI cm D	2021 W	DOWNLOA VATER TEMP I GED no	L# AD TIME 10.1 LOGGER C IF DRY, I	10635061 13:18 AIR TEMP 4.0 ONDITIONS REASON HEIGHT ABOVE WAT	UTM CREW ICEC	ONDI	TIONS B	6204854 C TE none
LOGGER TO DOWNLOAD TEST RECOMMENTED BURIED  Download Concorded to Anchored to	YPE D DATE DROER 1 EPTH no	150	odbit 9 Oct YSI cm D	2021 W	DOWNLOA VATER TEMP I GED no	L# AD TIME 10.1 LOGGER C IF DRY, I	10635061 13:18 AIR TEMP 4.0 ONDITIONS REASON HEIGHT ABOVE WAT	UTM CREW ICEC	ONDI	TIONS B	6204854 C TE none
WATER D BURIED  Download C Anchored to Replac#9	YPE D DATE DROER 1 EPTH no	150	om D FUNCTION	LOG 2021 W ISLODO NAL	DOWNLOA VATER TEMP I GED no	L# AD TIME 10.1 LOGGER C IF DRY, I	10635061 13:18 AIR TEMP 4.0 ONDITIONS REASON HEIGHT ABOVE WAT	UTM CREW	ondi cm	TIONS B	6204854 C TE none
LOGGER TO DOWNLOAD TEST RECOMMENTED BURIED  Download Concorded to Replac#9	YPE D DATE DRDER 1 EPTH no  DK o same	150	odbit 9 Oct YSI cm D	LOG 2021 W ISLODO NAL V	DOWNLO.  JATER TEMF  GED no  wet	L# AD TIME 10.1 LOGGER C F IF DRY, I	10635061 13:18 AIR TEMP 4.0 ONDITIONS REASON HEIGHT ABOVE WAT	UTM CREW CREW CREW CREW CREW CREW CREW CREW	ondi	TIONS B	6204854 C TE none
DOWNLOAD TEST RECO WATER D BURIED  Download C Anchored to Replac#9	YPE D DATE DRDER 1 EPTH no DK o same	150 150 rock as	om D FUNCTION	LOG 2021 W ISLODO NAL V	DOWNLO.  JATER TEMP  GED no  wet   GGER SERIA	L# AD TIME 10.1 LOGGER C IF DRY, I	10635061 13:18 AIR TEMP 4.0 ONDITIONS REASON HEIGHT ABOVE WAT	UTM CREW CREW CREW CREW CREW CREW CREW CREW	ONDI cm	TIONS B	6204854 C TE none
DOWNLOAD TEST RECO WATER D BURIED  Download C Anchored to Replac#9	YPE D DATE DROER 1 DRO	150 150 rock as	om D FUNCTION	LOG 2021 W ISLODO NAL N	DOWNLO.  JATER TEMP  GED no  Wet   GGER SERIA  DOWNLO.	L# AD TIME P 10.1 LOGGER C IF DRY, I COMM	10635061 13:18 AIR TEMP 4.0 ONDITIONS REASON HEIGHT ABOVE WAT	UTM CREW	ONDI	TETHER TYPE	6204854 C TE none
DOWNLOAD TEST RECO WATER D BURIED  Download C Anchored to Replac#9	YPE D DATE DROER 1 DRO	150 150 rock as	om D FUNCTION	LOG 2021 W ISLODO NAL N	GGER SERIA DOWNLO  ATER TEMP  GGER SERIA DOWNLO  ATER TEMP	L# AD TIME 10.1 LOGGER C IF DRY, I COMM	10635061 13:18 AIR TEMP 4.0 ONDITIONS REASON HEIGHT ABOVE WAT MENTS	UTM CREW CREW CREW CREW CREW CREW CREW CREW	ONDI	TETHER TYPE	6204854 C TE none
Download (Anchored to Replac#9  SITE ID LOGGER T' DOWNLOATEST RECO	PPED DATE DROER 1	150 150 rock as	om DFUNCTION	LOG 2021 W ISLODO NAL V	GED NO Wet GERALDOWNLO ATER TEMP	L# AD TIME 10.1 LOGGER C IF DRY, I COMM	10635061 13:18 AIR TEMP 4.0 ONDITIONS REASON HEIGHT ABOVE WAT MENTS  AIR TEMP ONDITIONS	UTM CREW	ONDI	TETHER TYPE	6204854 C TE none
Download of Anchored to Replac#9  SITE ID LOGGER T' DOWNLOATEST RECO	PPED DATE DROER 1	150 150 rock as	cm DN2	ISLODO W	GED NO Wet GERALDOWNLO ATER TEMP	L# AD TIME 10.1 LOGGER C IF DRY, I COMM	10635061 13:18 AIR TEMP 4.0 ONDITIONS REASON HEIGHT ABOVE WAT MENTS  AIR TEMP ONDITIONS REASON	BANK UTM CREW ICE C	Cm Condi	TIONS  TETHER TYPE	6204854 C TE none rock
Download (Anchored to Replac#9  SITE ID LOGGER T' DOWNLOATEST RECO	PPED DATE DROER 1	150 150 rock as	om DFUNCTION	ISLODO W	GED NO Wet GERALDOWNLO ATER TEMP	L# AD TIME 10.1 LOGGER C IF DRY, I COMM	10635061 13:18 AIR TEMP 4.0 ONDITIONS REASON HEIGHT ABOVE WAT MENTS  AIR TEMP ONDITIONS REASON HEIGHT ABOVE WAT	BANK UTM CREW ICE C	Cm Condi	TETHER TYPE	6204854 C TE none rock
Download of Anchored to Replac#9  SITE ID LOGGER T' DOWNLOATEST RECO	PPED DATE  DICK  D	150 150 rock as	cm DN2	ISLODO W	GED NO Wet GERALDOWNLO ATER TEMP	L# AD TIME 10.1 LOGGER C IF DRY, I COMM	10635061 13:18 AIR TEMP 4.0 ONDITIONS REASON HEIGHT ABOVE WAT MENTS  AIR TEMP ONDITIONS REASON	BANK UTM CREW ICE C	Cm Condi	TIONS  TETHER TYPE	6204854 C TE none rock
Download of Anchored to Replac#9  SITE ID LOGGER T' DOWNLOATEST RECO	PPED DATE  DICK  D	150 150 rock as	cm DN2	ISLODO W	GED NO Wet GERALDOWNLO ATER TEMP	L# AD TIME 10.1 LOGGER C IF DRY, I COMM	10635061 13:18 AIR TEMP 4.0 ONDITIONS REASON HEIGHT ABOVE WAT MENTS  AIR TEMP ONDITIONS REASON HEIGHT ABOVE WAT	BANK UTM CREW ICE C	Cm Condi	TIONS  TETHER TYPE	6204854 C TE none rock
Download of Anchored to Replac#9  SITE ID LOGGER T' DOWNLOATEST RECO	PPED DATE  DICK  D	150 150 rock as	cm DN2	ISLODO W	GED NO Wet GERALDOWNLO ATER TEMP	L# AD TIME 10.1 LOGGER C IF DRY, I COMM	10635061 13:18 AIR TEMP 4.0 ONDITIONS REASON HEIGHT ABOVE WAT MENTS  AIR TEMP ONDITIONS REASON HEIGHT ABOVE WAT	BANK UTM CREW ICE C	cm ONDI	TIONS  TETHER TYPE	6204854 C TE none rock
Download of Anchored to Replac#9  SITE ID LOGGER T' DOWNLOATEST RECO	PPED DATE  DICK  D	150 150 rock as	cm DN2	ISLODO W	GED NO Wet GERALDOWNLO ATER TEMP	L# AD TIME 10.1 LOGGER C IF DRY, I COMM	10635061 13:18 AIR TEMP 4.0 ONDITIONS REASON HEIGHT ABOVE WAT MENTS  AIR TEMP ONDITIONS REASON HEIGHT ABOVE WAT	BANK UTM CREW ICE C	cm ONDI	TIONS  TETHER TYPE	6204854 C TE none rock
Download of Anchored to Replac#9  SITE ID LOGGER T' DOWNLOATEST RECO	PPED DATE  DICK  D	150 150 rock as	cm DN2	ISLODO W	GED NO Wet GERALDOWNLO ATER TEMP	L# AD TIME 10.1 LOGGER C IF DRY, I COMM	10635061 13:18 AIR TEMP 4.0 ONDITIONS REASON HEIGHT ABOVE WAT MENTS  AIR TEMP ONDITIONS REASON HEIGHT ABOVE WAT	BANK UTM CREW ICE C	cm ONDI	TIONS  TETHER TYPE	6204854 C TE none rock
Download of Anchored to Replac#9  SITE ID LOGGER T' DOWNLOATEST RECO	PPED DATE  DICK  D	150 150 rock as	cm DN2	ISLODO W	GED NO Wet GERALDOWNLO ATER TEMP	L# AD TIME 10.1 LOGGER C IF DRY, I COMM	10635061 13:18 AIR TEMP 4.0 ONDITIONS REASON HEIGHT ABOVE WAT MENTS  AIR TEMP ONDITIONS REASON HEIGHT ABOVE WAT	BANK UTM CREW ICE C	cm ONDI	TIONS  TETHER TYPE	6204854 C TE none rock

BC HVDBO	DEACE BIVE	ER TEMPERATU	DE MON	ITODING F	DOW/NI	OADIN	EODMA	TION E	ODM
		_			JOWNL		FURIVIA	I ION F	URIVI
	sUP1 LOCA1			S Forebay		BANK			
LOGGER TYPE	Tidbit	LOGGER SERIAL		20823636		UTM	548	8841	6209022
DOWNLOAD DATE	20 Jan	2022 DOWNLOA		12:03		CREW		BC.	
TEST RECORDER TYP	PE YSI	WATERTEMP	0.6	AIRTEMP	6.0	ICECON	IDITIONS		none
		LC	OGGER CO	NDITIONS					
WATER DEPTH	100 cm <b>DI</b>	<b>ISLODGED</b> no	RE	EASON					
<b>BURIED</b> no	FUNCTION	NAL wet	IF DRY, H	EIGHT ABOVE	WATER	(	m TETHE	RTYPE	steel buoy
			COMM	ENTS					
Dow nload OK									
Stainless steel cable C	OK								
Replac#51									
	sUP2 LOCA1			S Forebay		BANK			
LOGGER TYPE	Tidbit	LOGGER SERIAL		20823637		UTM	548	8841	6209022
DOWNLOAD DATE	20 Jan	2022 DOWNLOA		12:03		CREW	IDITIONS	BC.	
TEST RECORDER TYP	PE YSI	WATER TEMP	1.1	AIRTEMP	6.0	ICE CON	IDITIONS		none
WATER DEPTH	10 m <b>D</b> i		OGGER CO	EASON					
BURIED no	10 m DI			EASON EIGHT ABOVE	WATER		m TETHE	RTVDE	ataal buay
DUNIED 110	FUNCTION	W CL	COMM		WATER		III ICINE	KITPE	steel buoy
			COMM	2110					
Dow nload OK									
Stainless steel cable C	)K								
Replac#52									
T CPICOTOL									
SITE ID gms	sDN2 LOCAT	TION	GMS T	ailrace RDB		BANK			north
SITE ID gms	sDN2 LOCAT	TION LOGGER SERIAL		ailrace RDB 10669739		BANK UTM	548	8828	north 6207836
3			#		5		548	8828 BC	6207836
LOGGER TYPE	Tidbit 20 Jan	LOGGER SERIAL 2022 DOWNLOA WATER TEMP	# D TIME 1.6	10669739 13:05 AIR TEMP	6.0	UTM CREW	548		6207836
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE	Tidbit 20 Jan PE YSI	LOGGER SERIAL 2022 DOWNLOA WATER TEMP	# D TIME 1.6 OGGER CO	10669739 13:05 AIR TEMP INDITIONS		UTM CREW			6207836 TE
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH	Tidbit 20 Jan PE YSI 150 cm Di	LOGGER SERIAL 2022 DOWNLOA WATER TEMP LOGISLODGED no	# 1.6 OGGER CO	10669739 13:05 AIR TEMP INDITIONS EASON	6.0	UTM CREW ICE CON	IDITIONS	BC.	6207836 TE
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE	Tidbit 20 Jan PE YSI	LOGGER SERIAL 2022 DOWNLOA WATER TEMP LOGISLODGED no	# 1.6 OGGER CO	10669739 13:05 AIR TEMP INDITIONS EASON EGHT ABOVE	6.0	UTM CREW ICE CON		BC.	6207836 TE
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH	Tidbit 20 Jan PE YSI 150 cm Di	LOGGER SERIAL 2022 DOWNLOA WATER TEMP LOGISLODGED no	# 1.6 OGGER CO	10669739 13:05 AIR TEMP INDITIONS EASON EGHT ABOVE	6.0	UTM CREW ICE CON	IDITIONS	BC.	6207836 TE none
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYP  WATER DEPTH BURIED no	Tidbit 20 Jan PE YSI  150 cm DI FUNCTION	LOGGER SERIAL 2022 DOWNLOA WATER TEMP LOGGED NO WAL Wet	# 1.6 OGGER CO RI IF DRY, H	10669739 13:05 AIR TEMP INDITIONS EASON EIGHT ABOVE	6.0	UTM CREW ICE CON	IDITIONS	BC.	6207836 TE none
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYP  WATER DEPTH BURIED no  Primary Logger 106697	Tidbit 20 Jan YSI 150 cm DI FUNCTION 739 (Replac#11)	LOGGER SERIAL 2022 DOWNLOA WATER TEMP LOGGED NO WAL Wet replaced with 2119	# D TIME 1.6 OGGER CO RI IF DRY, H COMM	10669739 13:05 AIR TEMP INDITIONS EASON EIGHT ABOVE ENTS	6.0	CREW ICE COM	IDITIONS	BC.	6207836 TE none
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYP  WATER DEPTH BURIED no  Primary Logger 106697 Back-up logger gms DN	Tidbit 20 Jan YSI 150 cm DI FUNCTION 739 (Replac#11)	LOGGER SERIAL 2022 DOWNLOA WATER TEMP LOGGED NO WAL Wet replaced with 2119	# D TIME 1.6 OGGER CO RI IF DRY, H COMM	10669739 13:05 AIR TEMP INDITIONS EASON EIGHT ABOVE ENTS	6.0	CREW ICE COM	IDITIONS	BC.	6207836 TE none
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYP  WATER DEPTH BURIED no  Primary Logger 10669 Back-up logger gms DN Both dow nloads OK	Tidbit  20 Jan  PE YSI  150 cm Di  FUNCTION  739 (Replac#11)  12BU in same cal	LOGGER SERIAL 2022 DOWNLOA WATER TEMP LOGGED NO WAL Wet replaced with 2119	# D TIME 1.6 OGGER CO RI IF DRY, H COMM	10669739 13:05 AIR TEMP INDITIONS EASON EIGHT ABOVE ENTS	6.0	CREW ICE COM	IDITIONS	BC.	6207836 TE none
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYP  WATER DEPTH BURIED no  Primary Logger 10669: Back-up logger gmsDN Both dow nloads OK Repalced corroaded ca	Tidbit 20 Jan PE YSI  150 cm Di FUNCTION  739 (Replac#11) 12BU in same cal	LOGGER SERIAL 2022 DOWNLOA WATER TEMP LOGGED no ISLODGED no IAL wet replaced with 21199 psule; Replac#37, S	# D TIME 1.6 OGGER CORI IF DRY, H COM M 9346 (Replace)	10669739 13:05 AIR TEMP INDITIONS EASON EIGHT ABOVE ENTS 2#54) 21 dow nloaded	6.0	CREW ICE COM	IDITIONS	BC.	6207836 TE none
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYP  WATER DEPTH BURIED no  Primary Logger 10669 Back-up logger gms DN Both dow nloads OK	Tidbit 20 Jan PE YSI  150 cm Di FUNCTION  739 (Replac#11) 12BU in same cal	LOGGER SERIAL 2022 DOWNLOA WATER TEMP LOGGED no ISLODGED no IAL wet replaced with 21199 psule; Replac#37, S	# D TIME 1.6 OGGER CORI IF DRY, H COM M 9346 (Replace)	10669739 13:05 AIR TEMP INDITIONS EASON EIGHT ABOVE ENTS 2#54) 21 dow nloaded	6.0	CREW ICE COM	IDITIONS	BC.	6207836 TE none
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYP  WATER DEPTH BURIED no  Primary Logger 10669: Back-up logger gmsDN Both dow nloads OK Repalced corroaded ca	Tidbit 20 Jan PE YSI  150 cm Di FUNCTION  739 (Replac#11) 12BU in same cal	LOGGER SERIAL 2022 DOWNLOA WATER TEMP LOGGED no ISLODGED no IAL wet replaced with 21199 psule; Replac#37, S	# D TIME 1.6 OGGER CORI IF DRY, H COM M 9346 (Replace)	10669739 13:05 AIR TEMP INDITIONS EASON EIGHT ABOVE ENTS 2#54) 21 dow nloaded	6.0	CREW ICE COM	IDITIONS	BC.	6207836 TE none
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no  Primary Logger 106697 Back-up logger gmsDN Both downloads OK Repalced corroaded ca cable OK (stainless st	Tidbit 20 Jan PE YSI  150 cm Di FUNCTION  739 (Replac#11) 1/2BU in same cal apsule teel cable section	LOGGER SERIAL 2022 DOWNLOA WATER TEMP LOGGED no WAL wet  replaced with 21199 psule; Replac#37, September 1980 n attached to galvani	# 1.6 OGGER CO RI IF DRY, H COMM 9346 (Reple SN 2033212	10669739 13:05 AIR TEMP INDITIONS EASON EIGHT ABOVE ENTS  c#54) 21 dow nloaded around rock)	6.0	UTM CREW ICE CON	IDITIONS  TETHE	BC R TYPE	6207836 TE none
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYP  WATER DEPTH BURIED no  Primary Logger 106697 Back-up logger gmsDN Both dow nloads OK Repalced corroaded ca cable OK (stainless st	Tidbit  20 Jan  PE YSI  150 cm Di  FUNCTION  739 (Replac#11)  12BU in same cal  apsule teel cable section	LOGGER SERIAL 2022 DOWNLOA WATER TEMP LOGGED no WAL wet  replaced with 21199 psule; Replac#37, Separate to galvania	# 1.6 DGGER CO RI IF DRY, H COMM 9346 (Reple SN 2033212	10669739 13:05 AIR TEMP INDITIONS EASON EIGHT ABOVE ENTS  c#54) 21 dow nloaded around rock)	6.0	UTM CREW ICE CON	EM TETHE	BC R TYPE	6207836 TE none rock
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no  Primary Logger 106697 Back-up logger gms DN Both dow nloads OK Repalced corroaded ca cable OK (stainless statements) SITE ID gms LOGGER TYPE	Tidbit  20 Jan  PE YSI  150 cm Di  FUNCTION  739 (Replac#11)  12BU in same cal  apsule teel cable section  Tidbit	LOGGER SERIAL 2022 DOWNLOA WATER TEMP LOGGED no WAL wet  replaced with 21199 psule; Replac#37, Serial n attached to galvani LOGGER SERIAL	# 1.6 DGGER CO RI IF DRY, H COMM 9346 (Reple SN 2033212	10669739 13:05 AIR TEMP INDITIONS EASON EIGHT ABOVE ENTS  2#54) 21 dow nloaded around rock)  Failrace LDB 20655136	6.0 WATER	UTM CREW ICE CON	EM TETHE	BC R TYPE	6207761
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no  Primary Logger 106697 Back-up logger gmsDN Both dow nloads OK Repalced corroaded ca cable OK (stainless statements) SITE ID gms LOGGER TYPE DOWNLOAD DATE	Tidbit  20 Jan  PE YSI  150 cm Di  FUNCTION  739 (Replac#11)  12BU in same cal  apsule teel cable section  SDN1 LOCAT  Tidbit  20 Jan	LOGGER SERIAL 2022 DOWNLOA WATER TEMP LOGGED no WAL wet  replaced with 21199 psule; Replac#37, S n attached to galvani LOGGER SERIAL 2022 DOWNLOA	# 1.6 OGGER CO RI IF DRY, H COMM 9346 (Reple SN 2033212 ized cable a	10669739 13:05 AIR TEMP INDITIONS EASON EIGHT ABOVE ENTS  c#54) 21 dow nloaded around rock)  Failrace LDB 20655136 13:35	6.0  WATER  @ 13:04	UTM CREW ICE CON	so 548	BC R TYPE	6207761 TE none
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no  Primary Logger 106697 Back-up logger gms DN Both dow nloads OK Repalced corroaded ca cable OK (stainless statements) SITE ID gms LOGGER TYPE	Tidbit  20 Jan  PE YSI  150 cm Di  FUNCTION  739 (Replac#11)  12BU in same cal  apsule teel cable section  SDN1 LOCAT  Tidbit  20 Jan	LOGGER SERIAL 2022 DOWNLOA WATER TEMP LOGGED no WAL wet  replaced with 21199 psule; Replac#37, S n attached to galvani LOGGER SERIAL 2022 DOWNLOA WATER TEMP	# 1.6 OGGER CO RI IF DRY, H COMM 9346 (Reple SN 2033212 ized cable a	10669739 13:05 AIR TEMP INDITIONS EASON EIGHT ABOVE ENTS  c#54) 21 dow nloaded around rock)  Failrace LDB 20655136 13:35 AIR TEMP	6.0 WATER	UTM CREW ICE CON	EM TETHE	BC R TYPE	6207761
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no  Primary Logger 106697 Back-up logger gmsDN Both dow nloads OK Repalced corroaded ca cable OK (stainless statements) SITE ID gms LOGGER TYPE DOWNLOAD DATE	Tidbit  20 Jan  PE YSI  150 cm Di  FUNCTION  739 (Replac#11)  N2BU in same cal  apsule teel cable section  SDN1 LOCAT  Tidbit  20 Jan  PE YSI	LOGGER SERIAL 2022 DOWNLOA WATER TEMP LOGGED no WAL wet  replaced with 21199 psule; Replac#37, S n attached to galvani LOGGER SERIAL 2022 DOWNLOA WATER TEMP	# 1.6 OGGER CO RI IF DRY, H COMM 9346 (Reple SN 2033212 ized cable a	10669739 13:05 AIR TEMP INDITIONS EASON EIGHT ABOVE ENTS  c#54) 21 dow nloaded around rock)  Failrace LDB 20655136 13:35 AIR TEMP	6.0  WATER  @ 13:04	UTM CREW ICE CON	so 548	BC R TYPE	6207761 TE none
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYP  WATER DEPTH BURIED no  Primary Logger 106697 Back-up logger gmsDN Both dow nloads OK Repalced corroaded ca cable OK (stainless statements)  SITE ID gms LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE	Tidbit  20 Jan  PE YSI  150 cm Di  FUNCTION  739 (Replac#11)  N2BU in same cal  apsule teel cable section  SDN1 LOCAT  Tidbit  20 Jan  PE YSI	LOGGER SERIAL 2022 DOWNLOA WATER TEMP LOGGED no WAL wet  replaced with 21199 psule; Replac#37, S n attached to galvani  TION LOGGER SERIAL 2022 DOWNLOA WATER TEMP LOGGED no	# 1.6 OGGER CO RI IF DRY, H COMM 9346 (Reple SN 2033212 ized cable a  GMS 1 # D TIME 1.2 OGGER CO	10669739 13:05 AIR TEMP INDITIONS EASON EIGHT ABOVE ENTS  c#54) 21 dow nloaded around rock)  Failrace LDB 20655136 13:35 AIR TEMP INDITIONS	6.0  WATER  @ 13:04	BANK UTM CREW ICE CON	so 548	BC R TYPE	6207761 TE none
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYP  WATER DEPTH BURIED no  Primary Logger 10669 Back-up logger gmsDN Both dow nloads OK Repalced corroaded ca cable OK (stainless state)  SITE ID gms LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE  WATER DEPTH	Tidbit  20 Jan  PE YSI  150 cm Di  FUNCTION  739 (Replac#11)  N2BU in same cal  apsule teel cable section  Tidbit  20 Jan  PE YSI	LOGGER SERIAL 2022 DOWNLOA WATER TEMP LOGGED no WAL wet  replaced with 21199 psule; Replac#37, S n attached to galvani  TION LOGGER SERIAL 2022 DOWNLOA WATER TEMP LOGGED no	# 1.6 OGGER CO RI IF DRY, H COMM 9346 (Reple SN 2033212 ized cable a  GMS 1 # D TIME 1.2 OGGER CO	10669739 13:05 AIR TEMP INDITIONS EASON EIGHT ABOVE ENTS  c#54) 21 downloaded around rock)  Failrace LDB 20655136 13:35 AIR TEMP INDITIONS EASON EIGHT ABOVE	6.0  WATER  @ 13:04	BANK UTM CREW ICE CON	so 548	BC R TYPE	6207761 TE none
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYP  WATER DEPTH BURIED no  Primary Logger 10669 Back-up logger gmsDN Both dow nloads OK Repalced corroaded ca cable OK (stainless state)  SITE ID gms LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE  WATER DEPTH	Tidbit  20 Jan  PE YSI  150 cm Di  FUNCTION  739 (Replac#11)  N2BU in same cal  apsule teel cable section  Tidbit  20 Jan  PE YSI	LOGGER SERIAL 2022 DOWNLOA WATER TEMP LOGGED no WAL wet  replaced with 21199 psule; Replac#37, S n attached to galvani  TION LOGGER SERIAL 2022 DOWNLOA WATER TEMP LOGGED no	# 1.6 OGGER CO RI IF DRY, H COMM 9346 (Reple SN 2033212 ized cable a  GMS 1 # D TIME 1.2 OGGER CO RI IF DRY, H	10669739 13:05 AIR TEMP INDITIONS EASON EIGHT ABOVE ENTS  c#54) 21 downloaded around rock)  Failrace LDB 20655136 13:35 AIR TEMP INDITIONS EASON EIGHT ABOVE	6.0  WATER  @ 13:04	BANK UTM CREW ICE CON	so 548	BC R TYPE	6207761 TE none
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYP  WATER DEPTH BURIED no  Primary Logger 10669 Back-up logger gmsDN Both dow nloads OK Repalced corroaded ca cable OK (stainless state)  SITE ID gms LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE  WATER DEPTH	Tidbit  20 Jan  PE YSI  150 cm Di  FUNCTION  739 (Replac#11)  12BU in same cal  apsule teel cable section  Tidbit  20 Jan  PE YSI  150 cm Di  FUNCTION	LOGGER SERIAL 2022 DOWNLOA WATER TEMP LOGGED no WAL wet  replaced with 21199 psule; Replac#37, S n attached to galvani LOGGER SERIAL 2022 DOWNLOA WATER TEMP LOGGED no WAL wet	# 1.6 OGGER CO RI IF DRY, H COMM 9346 (Reple SN 2033212 ized cable a  GMS 1 # D TIME 1.2 OGGER CO RI IF DRY, H	10669739 13:05 AIR TEMP INDITIONS EASON EIGHT ABOVE ENTS  c#54) 21 downloaded around rock)  Failrace LDB 20655136 13:35 AIR TEMP INDITIONS EASON EIGHT ABOVE	6.0  WATER  @ 13:04	BANK UTM CREW ICE CON	so 548	BC R TYPE	6207761 TE none
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYP  WATER DEPTH BURIED no  Primary Logger 10669 Back-up logger gmsDN Both dow nloads OK Repalced corroaded ca cable OK (stainless st  SITE ID gms LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no	Tidbit  20 Jan  PE YSI  150 cm Di  FUNCTION  739 (Replac#11)  N2BU in same cal  apsule teel cable section  Tidbit  20 Jan  Tidbit  20 Jan  PE YSI  150 cm Di  FUNCTION	LOGGER SERIAL 2022 DOWNLOA WATER TEMP LOGGED no WAL wet  replaced with 21199 psule; Replac#37, S n attached to galvani  TION LOGGER SERIAL 2022 DOWNLOA WATER TEMP LOGGED no WAL wet	# 1.6 OGGER CO RI IF DRY, H COMM 9346 (Reple SN 2033212 ized cable a  # D TIME 1.2 OGGER CO RI IF DRY, H COMM	10669739 13:05 AIR TEMP INDITIONS EASON EIGHT ABOVE ENTS  2#54) 21 downloaded around rock)  Failrace LDB 20655136 13:35 AIR TEMP INDITIONS EASON EIGHT ABOVE ENTS	6.0  WATER  @ 13:04	BANK UTM CREW ICE CON	so 548	BC R TYPE	6207761 TE none
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYP  WATER DEPTH BURIED no  Primary Logger 10669 Back-up logger gmsDN Both downloads OK Repalced corroaded ca cable OK (stainless st  SITE ID gms LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no  Primary logger - Replace	Tidbit  20 Jan  PE YSI  150 cm Di  FUNCTION  739 (Replac#11)  N2BU in same cal  apsule teel cable section  Tidbit  20 Jan  Tidbit  20 Jan  PE YSI  150 cm Di  FUNCTION	LOGGER SERIAL 2022 DOWNLOA WATER TEMP LOGGED no WAL wet  replaced with 21199 psule; Replac#37, S n attached to galvani  TION LOGGER SERIAL 2022 DOWNLOA WATER TEMP LOGGED no WAL wet	# 1.6 OGGER CO RI IF DRY, H COMM 9346 (Reple SN 2033212 ized cable a  # D TIME 1.2 OGGER CO RI IF DRY, H COMM	10669739 13:05 AIR TEMP INDITIONS EASON EIGHT ABOVE ENTS  2#54) 21 downloaded around rock)  Failrace LDB 20655136 13:35 AIR TEMP INDITIONS EASON EIGHT ABOVE ENTS	6.0  WATER  @ 13:04	BANK UTM CREW ICE CON	so 548	BC R TYPE	6207761 TE none
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYP  WATER DEPTH BURIED no  Primary Logger 10669 Back-up logger gmsDN Both dow nloads OK Repalced corroaded ca cable OK (stainless st  SITE ID gms LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no  Primary logger - Replace Back-up logger gmsDN	Tidbit  20 Jan  PE YSI  150 cm Di  FUNCTION  739 (Replac#11)  N2BU in same cal  apsule teel cable section  Tidbit  20 Jan  Tidbit  20 Jan  PE YSI  150 cm Di  FUNCTION	LOGGER SERIAL 2022 DOWNLOA WATER TEMP LOGGED no WAL wet  replaced with 21199 psule; Replac#37, S n attached to galvani  TION LOGGER SERIAL 2022 DOWNLOA WATER TEMP LOGGED no WAL wet	# 1.6 OGGER CO RI IF DRY, H COMM 9346 (Reple SN 2033212 ized cable a  # D TIME 1.2 OGGER CO RI IF DRY, H COMM	10669739 13:05 AIR TEMP INDITIONS EASON EIGHT ABOVE ENTS  2#54) 21 downloaded around rock)  Failrace LDB 20655136 13:35 AIR TEMP INDITIONS EASON EIGHT ABOVE ENTS	6.0  WATER  @ 13:04	BANK UTM CREW ICE CON	so 548	BC R TYPE	6207761 TE none
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYP  WATER DEPTH BURIED no  Primary Logger 10669 Back-up logger gmsDN Both dow nloads OK Repalced corroaded ca cable OK (stainless st  SITE ID gms LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no  Primary logger - Replace Back-up logger gmsDN Both dow nloads OK	Tidbit  20 Jan  PE YSI  150 cm Di  FUNCTION  739 (Replac#11)  N2BU in same cal  apsule teel cable section  Tidbit  20 Jan  Tidbit  20 Jan  PE YSI  150 cm Di  FUNCTION	LOGGER SERIAL 2022 DOWNLOA WATER TEMP LOGGED no WAL wet  replaced with 21199 psule; Replac#37, S n attached to galvani  TION LOGGER SERIAL 2022 DOWNLOA WATER TEMP LOGGED no WAL wet	# 1.6 OGGER CO RI IF DRY, H COMM 9346 (Reple SN 2033212 ized cable a  # D TIME 1.2 OGGER CO RI IF DRY, H COMM	10669739 13:05 AIR TEMP INDITIONS EASON EIGHT ABOVE ENTS  2#54) 21 downloaded around rock)  Failrace LDB 20655136 13:35 AIR TEMP INDITIONS EASON EIGHT ABOVE ENTS	6.0  WATER  @ 13:04	BANK UTM CREW ICE CON	so 548	BC R TYPE	6207761 TE none

	IVO I EX			RATURE MON	IITORING -	DOM NI	OAD IN	FORMAT	TION FO	)RM
	pcnUP1	LOCAT			N Forebay	DOTTILL	BANK	1 Oraniza		north
		dbit	LOGGER		20823638		UTM	562	684	6204075
DOWNLOAD DATE		Jan		WNLOAD TIME	14:3	6	CREW	302	BC 1	
TEST RECORDER		YSI	WATER		AIR TEMP	6.0		IDITIONS	50 .	none
LOT RECORDER		101	WATER	LOGGER CO		0.0	IOL OOK	DITION		TIOTIC
WATER DEPTH	100	cm DIS	SLODGED	_	REASON					
		FUNCTION				- VA/A TED		m TETHE	TVDE	
<b>BURIED</b> no		ONCTIONA	AL wet	COM N	HEIGHT ABOVE	WATER	C	in leiner	KITPE	log boom
Dow nload OK Replc#53 stainless steel cabl Change steel capsi		ow nload								
SITE ID LOGGER TYPE		<b>LOCAT</b>	LOGGER	SERIAL#	N Tailrace 20332187		BANK UTM	562		north 6204854
DOWNLOAD DATE		Jan		WNLOAD TIME	14:5	-	CREW		BC1	
TEST RECORDER	ITPE	YSI	WATER	LOGGER CO	AIRTEMP	6.0	ICECON	IDITIONS		none
WATER DEPTH	100	cm Dis	SLODGED		REASON					
BURIED no		UNCTION			HEIGHT ABOVE	WATER	,	m TETHER	RTYPE	rock
JOINED III		SITO FIGH	¥V Ct	COMN		MATEN		/III TEITIL	TITE	TOCK
•		LOCAT			N Tailrace		BANK		200	north
LOGGER TYPE DOWNLOAD DATE		dbit	LOGGER S	SERIAL # WNLOAD TIME	10635061 15:0	0	UTM	562	803 BC 1	6204854
DOWNLOAD DATE	_ 20	Jan	2022 001			U	CREW		BC 1	r=
TEST RECORDER	TYPE	VSI	WATER			6.0	ICECON	DITIONS		
TEST RECORDER	TYPE	YSI	WATER	<b>TEMP</b> 1.3	AIRTEMP	6.0	ICECON	IDITIONS		rone
	<b>TYPE</b> 100			TEMP 1.3	AIRTEMP	6.0	ICE CON	IDITIONS		
WATER DEPTH BURIED no	100		SLODGED	LOGGER CONTROL OF THE PRESENTATION OF T	AIR TEMP ONDITIONS REASON HEIGHT ABOVE			IDITIONS	RTYPE	
WATER DEPTH BURIED no  Download OK Logger 10635061 ( Anchored to same	100 F	cm DIS	SLODGED AL wet	LOGGER CONN	AIR TEMP ONDITIONS REASON HEIGHT ABOVE				RTYPE	none
WATER DEPTH BURIED no  Download OK Logger 10635061 ( Anchored to same Change steel capsi	100 F	cm DIS	SLODGED AL wet  h 21199347	LOGGER CONN LOGGER CONN IF DRY, I COMN (Replc#55).	AIR TEMP ONDITIONS REASON HEIGHT ABOVE				RTYPE	none
WATER DEPTH BURIED no  Download OK Logger 10635061 ( Anchored to same Change steel capsi	100 F	cm DIS FUNCTIONA eplaced with cnDN2 ownload	SLODGED AL wet  h 21199347	LOGGER CONN LOGGER CONN IF DRY, I COMN (Replc#55).	AIR TEMP ONDITIONS REASON HEIGHT ABOVE		BANK		RTYPE	none
WATER DEPTH BURIED no  Download OK Logger 10635061 ( Anchored to same Change steel capsi  SITE ID LOGGER TYPE DOWNLOAD DATE	100 F	cm DIS FUNCTIONA eplaced with cnDN2 ownload	SLODGED AL wet  h 21199347	LOGGER CONN LOGGER CONN IF DRY, I COMIN (Replc#55).	AIR TEMP  ONDITIONS  REASON  HEIGHT ABOVE  IENTS  AIR TEMP		BANK UTM CREW		RTYPE	none
WATER DEPTH BURIED no  Download OK Logger 10635061 ( Anchored to same Change steel capsi  SITE ID LOGGER TYPE DOWNLOAD DATE TEST RECORDER	100 F	cm DIS FUNCTIONA eplaced with cnDN2 ownload	SLODGED AL wet  h 21199347  ION LOGGER: DOW WATER	LOGGER COMING (Replc#55).  SERIAL # WNLOAD TIME R TEMP LOGGER COMING	AIR TEMP DNDITIONS REASON HEIGHT ABOVE IENTS  AIR TEMP DNDITIONS		BANK UTM CREW	TETHE	RTYPE	none
WATER DEPTH BURIED no  Download OK Logger 10635061 ( Anchored to same Change steel capsi  SITE ID LOGGER TYPE DOWNLOAD DATE TEST RECORDER  WATER DEPTH	100  F  (RPL#9) re rock as poule next do	cm DIS	SLODGED AL wet  h 21199347  ION LOGGER: DOV WATER	LOGGER COMING (Replc#55).  SERIAL # NNLOAD TIME R TEMP LOGGER COMING	AIR TEMP DNDITIONS REASON HEIGHT ABOVE IENTS  AIR TEMP DNDITIONS REASON	EWATER	BANK UTM CREW ICE CON	IDITIONS		none
Dow nload OK Logger 10635061 ( Anchored to same Change steel capsi  SITE ID LOGGER TYPE DOWNLOAD DATE TEST RECORDER	100  F  (RPL#9) re rock as poule next do	cm DIS FUNCTIONA eplaced with cnDN2 ownload	SLODGED AL wet  h 21199347  ION LOGGER: DOV WATER	LOGGER COMING (Replc#55).  SERIAL # NNLOAD TIME R TEMP LOGGER COMING	AIR TEMP DNDITIONS REASON HEIGHT ABOVE IENTS  AIR TEMP DNDITIONS REASON HEIGHT ABOVE	EWATER	BANK UTM CREW ICE CON	TETHE		none

**Appendix IV.** Summary of temperature logger deployment dates and anticipated replacement dates.

Site ID	Serial #	Location	Date Deployed	Replace Date
gmsUP1	20823636	WAC Bennett Forebay	Nov 2020	2026
gmsUP2	20823637	WAC Bennett Forebay	Nov 2020	2026
gmsDN1	20655136	GMS Tailrace	Feb 2020	2026
gmsDN1BU	10676155	GMS Tailrace	Feb 2020	2026
gmsDN2	21199346	GMS Tailrace	Jan 2022	2028
gmsDN2BU	20332121	GMS Tailrace	Jul 2018	2024
pcnUP1	20823638	Peace Canyon Forebay	Oct 2021	2027
pcnDN2	20332187	Peace Canyon Tailrace	Feb 2020	2026
pcnDN2BU	21199347	Peace Canyon Tailrace	Jan 2022	2028