

Peace River Water Use Plan

Peace River Baseline TDGP/Temperature

GMSWORKS-2

Year 8 Monitoring Program - Annual Report

January 2016 to December 2016

Diversified Environmental Services Box 6263, Fort St. John, B.C. V1J 4H7May 2016

April 2017

PEACE RIVER WATER USE PLAN IMPLEMENTATION PROGRAM

PEACE RIVER BASELINE TDGP/TEMPERATURE GMSWORKS-2 YEAR 8 MONITORING PROGRAM - ANNUAL REPORT January 2016 to December 2016

Prepared for: BC HYDRO 6911 Southpoint Drive, 11th Floor Burnaby, BC V3N 4H8

Prepared by:
Diversified Environmental Services
Box 6263
Fort St. John, BC
V1J 4H7

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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). Data collected through the monitoring of these parameters will be 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 in other projects and monitoring programs within and outside of the Peace WUP. This report summarizes data collection and maintenance activities conducted at 18 monitoring sites located between the WAC Bennett Dam forebay (Williston Reservoir) and a point approximately 6.5 km downstream of the confluence of the Pine and Peace rivers during Year 8 (Jan 01, 2016 to Dec 31, 2016).

In situ reference temperatures were recorded at the time of each field download event using a certified laboratory-grade mercury thermometer calibrated in increments of 0.1° C, for comparison to the corresponding hourly logger readings. Mean calibration errors for all temperature loggers were $\leq 0.3^{\circ}$ C.

Results of Year 8 water temperature monitoring over the 132 km length of the study area indicate a moderating effect of hypolimnetic withdrawal from Williston Reservoir and seasonal effects associated with ambient air temperature. Minimum winter temperatures decrease and maximum summer temperatures increase with distance downstream from the facilities.

Some logistical problems were encountered in Year 8, primarily associated with floating debris resulting from floods events in late June and late August. Short-term data gaps were observed at some stations immediately downstream of tributary mouths due to loggers becoming temporarily stranded near the waterline due to out-flowing ice, large woody debris, and tampering by curious persons. Data gaps were generally covered by functioning back-up loggers at these locations. Loggers located in the GMS forebay (gmsUP1 and gmsUP2) and downstream of the Moberly River (mobDN1 and mobDN1BU) were lost or destroyed prior to the January 2016 download event. One of the loggers located downstream of the Pine River confluence (pineDN1) and one logger upstream of the Moberly River confluence (mobUP2) were lost during the late June flood event. All six loggers were replaced. Finally, corrupted data files were recovered from the logger upstream of the Peace Canyon Dam

(pcnUP1) and two loggers upstream of the Halfway River (halfUP1 and halfUP2) during the January 2017 download session due to a faulty download shuttle device; the shuttle was subsequently replaced.

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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 has been 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 will be 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.

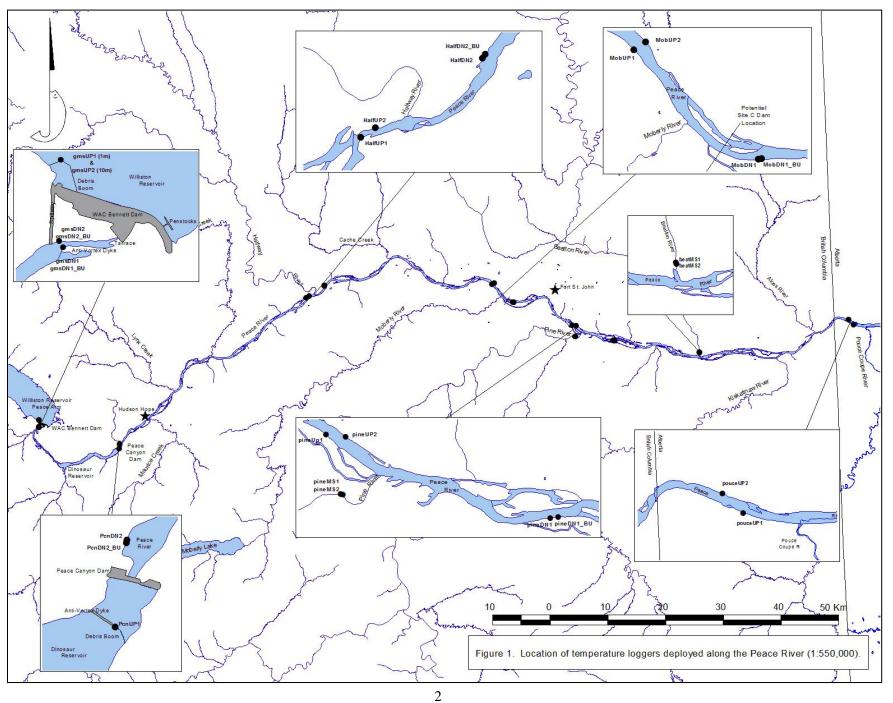
The objectives of this program are to collect data on spatial and temporal variations in water temperature between the WAC Bennett Dam forebay (Williston Reservoir) and a point 6.5 km downstream of the Pine River confluence for up to 10 years, and to maintain TDGP data loggers and related equipment for immediate deployment in the event of a spill at either the Gordon M. Shrum (GMS) or Peace Canyon (PCN) generating stations that is likely to meet the PSP criteria (2 days at 1,500cms or 500cms for 7+ days at PCN; 205cms for 2 days or more at GMS). This report summarizes data collection activities completed during Year 8 of the monitoring program.

2.0 METHODS

Temperature data presented in this summary were recorded between January 01, 2016 and December 31, 2016.

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.



Monitoring stations are typically maintained in pairs at each general location in order to minimize the risk of data gaps in the event of logger stranding, failure, or loss. At Peace River locations upstream of major tributaries (Halfway, Moberly, and Pine rivers), monitoring stations are maintained on opposing banks of the river in order to provide redundancy and confirm temperature consistency across the channel. At Peace River locations downstream of major tributaries, paired station configuration was revised in 2011 (Year 3) from opposing banks to common banks in order to provide better redundancy in tributary outflow paths prone to stranding by passing ice and debris.

By late in Year 3, monitoring site configuration had been revised to include 21 data loggers at 18 monitoring sites. This configuration was maintained throughout Years 4 to 8. A summary of temperature monitoring station location information as of the end of Year 8 appears in Appendix I. A description of site configuration changes prior to Year 3 can be found in DES 2013.

In April 2016, six additional temperature loggers were added to three monitoring sites in the project area at the request of BC Hydro's Site C project (Fig. 1). These included 2 loggers on the left downstream bank of the lower Pine River mainstem (pineUP1 and pineUP2), 2 loggers on the left downstream bank of the lower Beatton River mainstem (beatUP1 and beatUP2), and 2 loggers on the left and right downstream banks of the Peace River, approximately 3 km upstream of the confluence with the Pouce Coupe River (pouceUP1 and pouceUP2). Although these additional sites are maintained and downloaded in conjunction with the Peace WUP monitoring program, results are reported in a separate summary report submitted to the Site C project. For information purposes, monitoring site details appear in Figure 1 and Appendices I, III and V.

Temperature loggers were programmed to record water temperature (°C) at 1 hour intervals throughout Year 8. 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 rooted trees or large bedrock fragments using 3.18 mm stainless steel cable.

Temperature data recorded and stored on each logger during 2016 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. Logger sites at the WAC Bennett Dam and Peace Canyon Dam forebay and tailrace locations were accessed by vehicle, while all Peace River mainstem sites were accessed by riverboat. 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) or certified laboratory-grade mercury thermometer calibrated in increments of 0.1°C for comparison to the corresponding hourly logger readings (within 30 minutes of reference temperature).

In addition to scheduled download events, temperature loggers at some Peace River mainstem locations were visually checked and re-positioned by DES staff during the course of activities unrelated to the temperature monitoring program.

Data files were exported as MS Office Excel and Access compatible text files using Onset® Hoboware Pro software (Ver. 2.3.0), amalgamated into single Excel worksheets for each data logger, and plotted relative to time. Readings representing air temperature during period of logger stranding above the waterline have been removed from data displayed graphically in this summary report.

2.1.1 Year 8 Site Logistics

Few logistical problems were encountered during Year 8, partially due to refinements in station location and configuration made in Years 2 and 3. Occasional stranding of loggers above the waterline during Year 8 was largely associated the accumulation of debris on tether cables during tributary freshet and flood events in late June and August 2016. Loggers located downstream of the Pine and Moberly river confluences were stranded in late June to early July by debris originating from upstream. The loggers located upstream of the Halfway River (halfUP2) and Moberly River (mobUP2) were pulled ashore and left near or above the high water mark by persons unknown.

During the October 2016 and January 2017 download sessions, 3 data files were corrupted during the download and transfer process. The problem was attributed to an intermittent glitch in Hobo optical shuttle and the unit was replaced.

During the January 2016 download, both loggers suspended from the debris boom buoy in the WAC Bennett Dam forebay were discovered missing. It was believed the tether cable had been pinched and parted by a shifting boom line clevis and the arrangement was modified to prevent similar loss of the replacement loggers. One logger located upstream of the Moberly River (mobUP2) and one located downstream of the Pine River (pineDN1-BU) could not be recovered during the July 2016 download session, which occurred immediately after the major flood event in late June 2016. All 4 loggers were replaced during the July download.

2.2 Total Dissolved Gas Pressure (TDGP)

Six Model TBO-DL6(F) TDGP monitors (Common Sensing Inc., Clark Fork, ID) were purchased by BC Hydro in Year 1, and stored at the office of Diversified Environmental Services (DES) in Fort St. John, BC. Appendix II contains an inventory of dissolved gas pressure meters and probes. Meters and probes were checked for functionality on a quarterly basis when not in use and battery charge was maintained. Initialization check routines were repeated and the condition of each probe oxygen sensor membrane was examined for evidence of ZnO precipitate build-up. In addition to routine quarterly maintenance records, calibration statements were obtained for meters that were returned to the manufacturer for repair or factory re-calibration.

On April 12, 2016, BC Hydro conducted a short-term, low volume test spill at the WAC Bennett Dam facility. At the request of BC Hydro, paired TDGP monitors were deployed in the WAC Bennett Dam forebay and on the left and right banks of the tailrace, approximately 650 m downstream of the spillway (LDB 10.548261.6207267, RDB 10.548163.6207390) in order to determine the magnitude of dissolved gas changes created by the spill event. Two meters were deployed at each site for redundancy and to confirm that each meter was functional after their extended storage period. Tailrace TDGP loggers were programmed to log data at five minute intervals. The left and right bank monitors were deployed on April 11, 2016 at 13:16 and 13:30, respectively and recovered on April 12, 2016 at 17:00 and 16:45 respectively. Raw data logged by the monitors was downloaded and provided to BC Hydro for subsequent analysis. The test spill did not meet the rate and duration thresholds for mandatory TDGP monitoring. Data was collected for BC Hydro in-house experimental use and is not presented in this report.

3.0 RESULTS AND DISCUSSION

Figures 2 to 12 are presented following Section 4.0.

3.1 Temperature Monitoring

Reference temperatures recorded during download events are presented in Appendix III along with corresponding logger temperatures and indicated error values. None of the loggers in use in 2016 exhibited a correctable zero error greater than 0.3°C; most calibration errors are typically within the range of 0.2°C.

Several loggers were replaced in Year 8, 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 presently in use following the January 2017 data downloads.

A summary of temperature data collection results and related conditions and limitations are discussed in the following 6 sections, which correspond to the 6 major generating station and tributary features. Download Information Forms completed during each download are provided in Appendix IV.

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 suspended at a depth of 10 m (gmsUP2). Neither logger could be recovered during the January 2016 download session due to a parted cable which occurred sometime following the October 2015 download. As a result, only temperature data spanning January 28 to December 31, 2016 could be retrieved (Figure 2). Although seasonal thermal stratification of Williston Reservoir is evident, the relatively small temperature differential between the 2 loggers (mean=0.4°C) suggests the primary thermocline may lie deeper than 10 m. Maximum temperature differentials up to 6.5°C were recorded during a period of significant daytime surface warming during the last two weeks of July and first two weeks of August, when annual ambient temperatures peaked. Temperature profiles recorded further up the Peace Reach during unrelated work in August 2012 indicated a thermocline at approximately 26 m depth (B. Culling, pers. obs.).

The GMS tailrace monitoring sites are located on opposite banks, approximately 700 m downstream of the outflow manifolds. Logger gmsDN1 records the temperature of water flowing from the south tailrace manifold, which originates from the shallowest penstock depth. Logger gmsDN2 samples water from the north tailrace manifold, which originates from a deeper withdrawal point. The tethered steel capsule at both stations contains a back-up logger in addition to the primary unit (gmsDN1BU and gmsDN2BU). All 4 loggers collected seamless data through Year 8.

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, which originates closer to the surface of Williston Reservoir. Temperatures recorded at gmsUP1 (forebay surface) exhibit greater annual variation than tailrace values (Fig. 3). Temperatures recorded at gmsDN1 and gmsDN2 exhibit a

wide range of hourly and daily fluctuations during the summer period compared to gmsUP1, due to operational changes in water intake for power generation and maintenance activities.

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. The pcnUP1 data file for the period between November 1 and December 31, 2016 was corrupted by a faulty optical shuttle during the January 4, 2017 download and could not be recovered. Temperature data is available for the remainder of the year (January 1 to October 31).

Both Peace Canyon Tailrace loggers (pcnDN2 and pcnDN2BU) recorded continuous data throughout Year 8. 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). For example, mean differentials of 0.02°C were recorded in winter (December through February) and 0.5°C in summer (June through August). Figure 4 also illustrates slight thermal stratification of the Peace Canyon forebay associated with peak ambient temperatures during the last week of June and first week of July and again during the first week of August 2016. For example, PCN forebay temperatures at 1 m depth (pcnUP1) were as much as 5.5 °C warmer than water exiting the PCN powerhouse (pcnDN2) from August 1 to 7, 2016).

3.1.3 Halfway River Confluence

Peace River water temperature was monitored at points approximately 1 km upstream and 2.5 km downstream of the Halfway River confluence. Halfway upstream stations were maintained on opposing banks throughout Year 8 (halfUP1 and halfUP2). Data sets from both upstream loggers for the period between October 10 and December 31 were corrupted by a faulty optical shuttle during the January 4, 2017 download and could not be recovered. Logger halfUP1 recorded continuous data for the remainder of the year (January 1 to October 10), however, logger halfUP2 became intermittently stranded during periods of low water between April and October after being pulled partially to shore by curious persons prior to both the July 7 and October 10 download sessions. No cross-channel differential was recorded between the opposing upstream stations.

Both Halfway downstream loggers (halfDN2 and halfDN2BU) were located on the left downstream bank within the influence of Halfway River inputs. Both were intermittently exposed during Year 8, resulting in sporadic gaps in water temperature readings. Logger halfDN2BU was

swung into shallow water by debris from the Halfway River sometime between July 15 and October 5, 2016 and recorded air temperature during periods of low flow. Logger halfDN2 appeared to have been pulled to shore by persons unknown sometime after the October 10, 2016 download. Data presented in Figure 5 are a composite of data logged by halfDN2 and halfDN2BU (halfDN_COMP) and excludes periods of exposure.

As in previous years, Peace River temperature values recorded at stations upstream and downstream of the Halfway River confluence differed markedly. Temperatures collected downstream of the confluence exhibited a greater degree of daily and annual variability (Fig. 5). Halfway River inputs typically have a cooling effect during the winter period (October through April) and a warming effect during the summer (May through September). Temperatures within the Halfway River mainstem upstream of its confluence with the Peace are not recorded as part of this project.

3.1.4 Moberly River Confluence

Peace River water temperature was monitored at points approximately 2.6 km upstream and 2.5 km downstream of the Moberly River confluence. Upstream stations were maintained on opposing banks throughout Year 8 (mobUP1 and mobUP2). Logger mobUP1 recorded continuous water temperature data throughout Year 8. Logger mobUP2 was lost between April and July 2016, due to a parted cable, and could not be recovered during the July 7 download attempt. A slight cross-channel differential averaging 0.5°C was recorded between July 7 and August 31, 2016.

The Moberly downstream logger and downstream back-up logger are both located on the south bank of the Peace River, within the influence of outfall from the Moberly River. Both loggers also lie immediately downstream of the footprint of the proposed Site C dam. No water temperature data is available from either logger between January 1 and 27, 2016 as both units were destroyed by Site C construction preparation activities in December 2015; both were replaced on January 27, 2016. Between February and April 2016 both mobDN1 and mobDN1BU were swung to shore by ice and debris and became exposed frequently during low water levels. Seamless data was collected after the April 15, 2016 download.

As in previous years, Peace River water temperatures recorded within the influence of the Moberly River were cooler than the Moberly upstream stations from January through March and warmer than the upstream stations from May through July (Fig. 6). The influence of the Moberly River is

significantly less than that of the Halfway River and appears to correspond to the difference in relative contributed volumes. Temperatures within the Moberly River upstream of its confluence with the Peace River are not recorded as part of this project.

3.1.5 Pine River Confluence

Peace River water temperature was monitored at points approximately 2.0 km upstream and 6.5 km downstream of the Pine River confluence. During Year 8, upstream stations were maintained on opposing banks (pineUP1 and pineUP2) and both downstream loggers (pineDN1 and pineDN1BU) were located on the south river bank, within the influence of inputs from the Pine River. Both pineUP1 and pineUP2 loggers recorded continuous hourly data throughout Year 8. No cross-channel differential was noted.

Both Pine downstream loggers (pineDN1 and pineDN1BU) exhibited periodic data gaps as a result of unusually high debris flow from the Pine River during 2016. Logger pineDN1 was partially swung to shore by debris prior to the April 2016 download and was re-tethered in a new location in an attempt to minimize the frequency of debris accumulation on the tether cable. Despite this revision, the logger was dislodged by debris and swung to shallow water again prior to the July and October 2016 and January 2017 downloads. As a result, air temperatures were recorded during sporadic periods of low water. Logger pineDN1BU was lost to large debris during a flood event in late June 2016 and was replaced on July 13, 2016. Pine downstream temperature data in Figure 7 are presented as a composite of both pineDN1 and pineDN1BU (pineDN_COMP).

Temperature values recorded within the downstream influence of the Pine River were typically cooler than the Pine River upstream stations from late September through December and slightly warmer from July through mid-September (Fig. 7). A temperature monitoring station was established and maintained in the lower Pine River mainstem during Year 8 at the request of the BC Hydro Site C project. Results are discussed in a separate Site C project summary report.

Figure 8 presents comparative seasonal temperature changes over the 132 km length of the study area between the WAC Bennett Dam tailrace (gmsDN2) and the Pine River confluence (pineUP1) during 2016 and Figure 9 compares daily mean ambient air temperature at the Fort St. John airport with daily mean Peace River water temperature at the Pine river confluence (pineUP1). Data appearing in these figures include Halfway and Pine confluence stations not directly influenced by their respective tributary inputs. The graphs illustrate the moderating effect of hypolimnetic

withdrawal from Williston Reservoir on downstream temperatures in the Peace River and the seasonal impact of ambient air temperature on downstream water temperatures, i.e., winter temperatures decrease and summer temperatures increase with distance downstream. Brief periods of homogeneity occurred in early April and mid-October, with gradients inverting on either side of these dates to form the typical annual pattern.

Figures 10 and 11 represent temporal comparisons of daily mean water temperature during Year 8 (2016) against the average of 2009 to 2015 daily mean temperatures for WAC Bennett Dam tailrace (gmsDN2) and Pine River confluence (pineUP1) sites, respectively. Water temperatures recorded in the WAC Bennett Dam tailrace (north manifold) show some deviation from the 2009-2015 average. 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 hypolimnetic and epilimnetic withdrawal at various generating outputs. An analysis of these influences is beyond the scope of this summary report. Downstream Peace River water temperatures recorded immediately above the Pine River confluence (pineUP1) during Year 8 generally track the 2009-2015 average, with occasional variation due to weather events including above and below normal periods in ambient temperature and increased tributary contributions during precipitation events.

4.0 **RECOMMENDATIONS**

The 6.35 mm galvanized cable used during the initial years of the program has proven to have low resistance to corrosion. With the exception of a few locations where segments of galvanized cable remain above the waterline, all the tether cables have been replaced with stainless steel cable. The remaining galvanized cable sections should be monitored for corrosion.

The battery life of the Tidbit v2 Model #UTBI-001 temperature sensors is estimated at approximately 5-6 years and a number of loggers were replaced in 2015 and 2016. Scheduled replacement of units should continue in 2017 as per the table presented in Appendix V.

During 2015, aluminum information tags reading "DATA RECORDER, PLEASE DO NOT DISTURB" were attached to the tether cables of loggers previously subject to tampering or potentially accessible to the public. These tags should be monitored and maintained though Year 9.

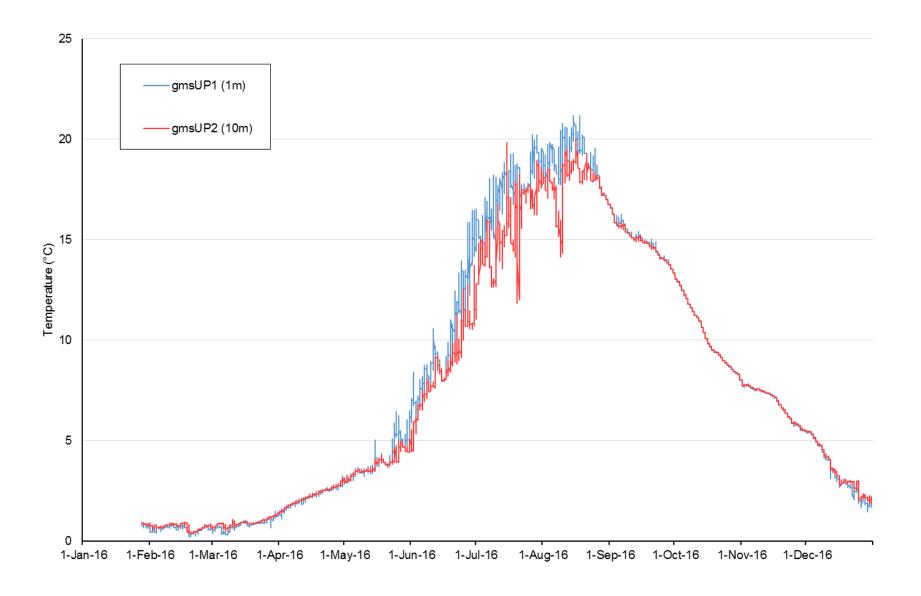


Figure 2. Comparison of hourly water temperature at WAC Bennett Dam forebay station from 1 m depth (gmsUP1) and 10 m depth (gmsUP2) during Year 8, January 01, 2016 – December 31, 2016.

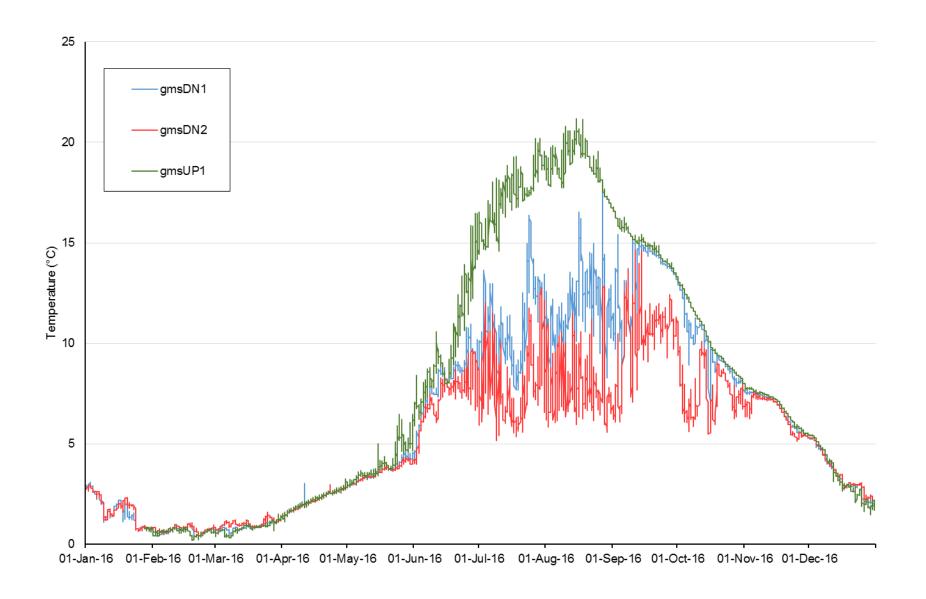


Figure 3. Comparison of hourly water temperature at WAC Bennett Dam forebay surface (gmsUP1), and WAC Bennett Dam tailrace (gmsDN1 and gmsDN2) during Year 8, January 01, 2016 – December 31, 2016.

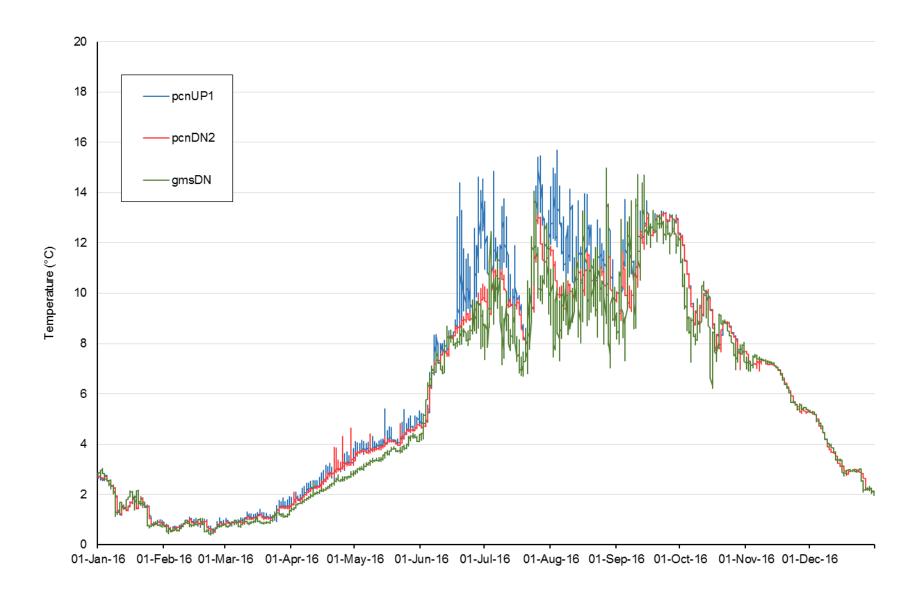


Figure 4. Comparison of hourly water temperature at Peace Canyon forebay surface (pcnUP1), Peace Canyon tailrace (pcnDN2), and WAC Bennett Dam tailrace (gmsDN) during Year 8, January 01, 2016 – December 31, 2016.

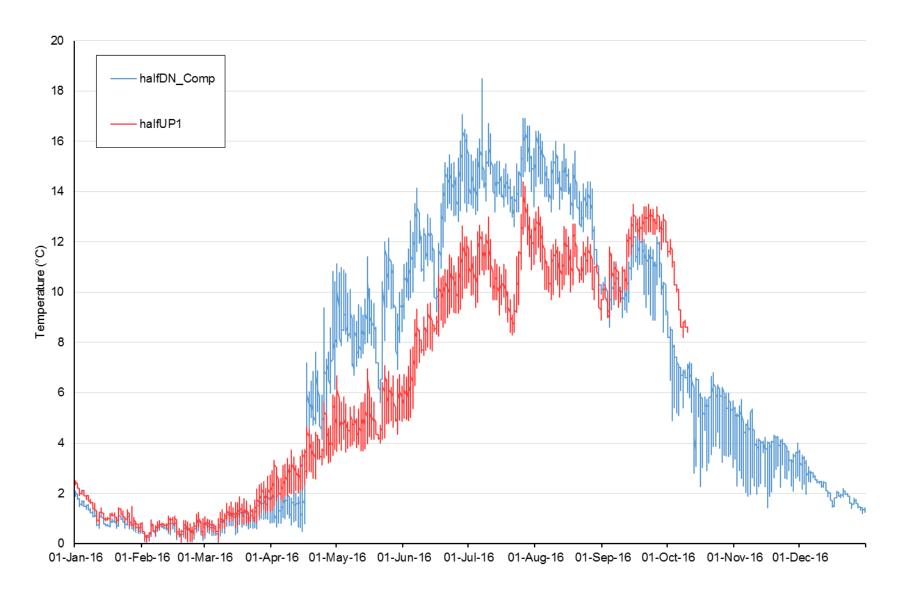


Figure 5. Comparison of hourly Peace River water temperature upstream of Halfway River confluence (halfUP1) and downstream of Halfway River confluence (halfDN_COMP) during Year 8, January 01, 2016 – December 31, 2016.

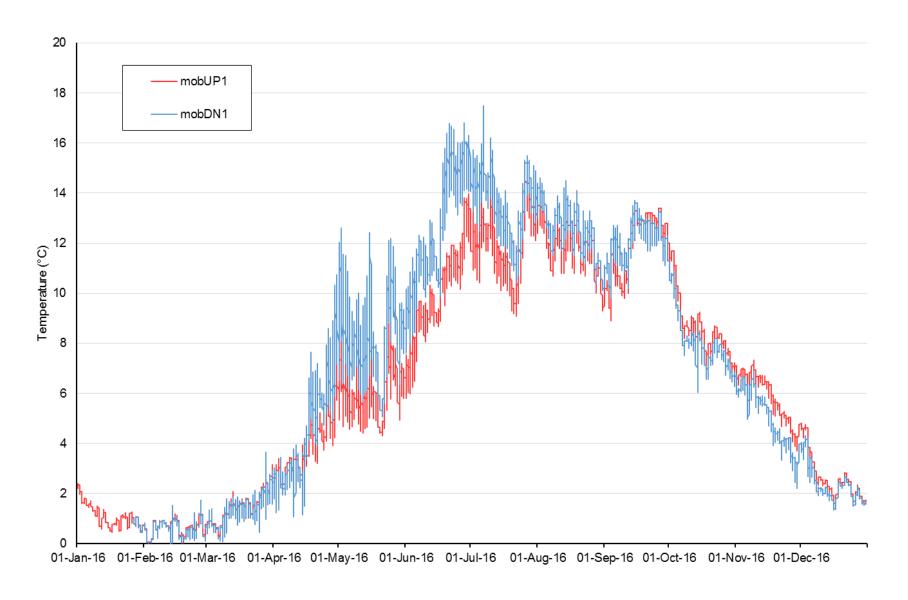


Figure 6. Comparison of hourly Peace River water temperature upstream of Moberly River confluence (mobUP1) and downstream of Moberly River confluence (mobDN1) during Year 8, January 01, 2016 – December 31, 2016.

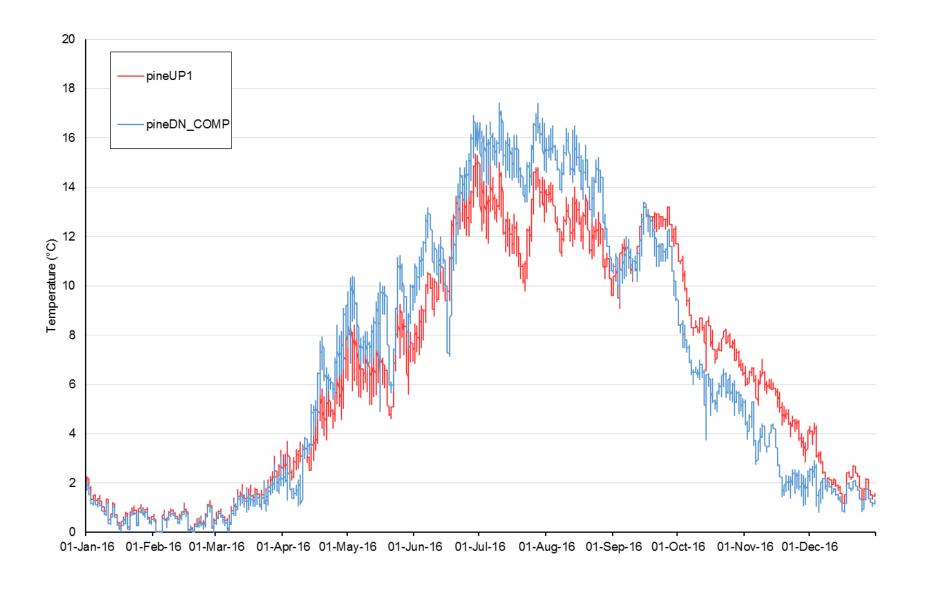


Figure 7. Comparison of hourly Peace River water temperature upstream of Pine River confluence (pineUP1) and downstream of Pine River confluence (pineDN_COMP) during Year 8, January 01, 2016 – December 31, 2016.

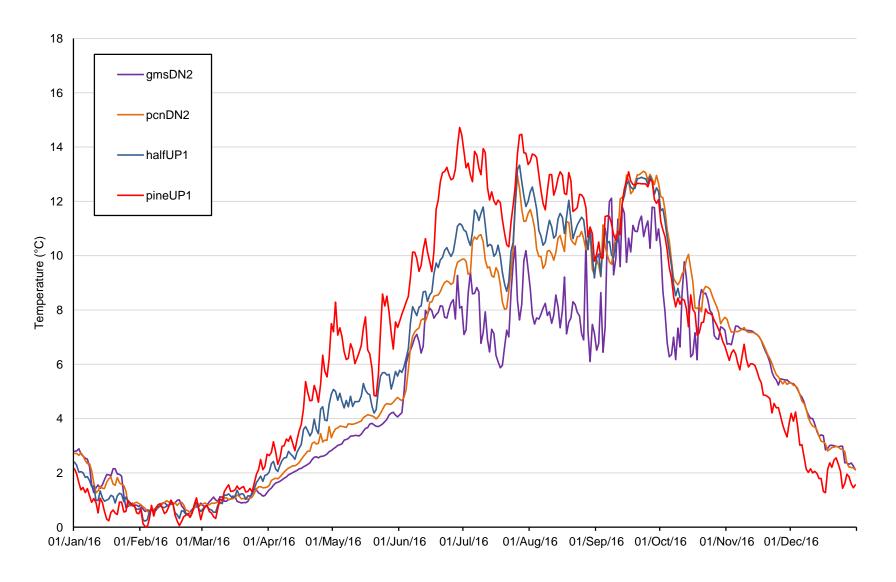


Figure 8. Daily mean Peace River water temperature gradient from WAC Bennett Dam tailrace, downstream to Pine River confluence, during Year 8, January 01, 2016 – December 31, 2016.

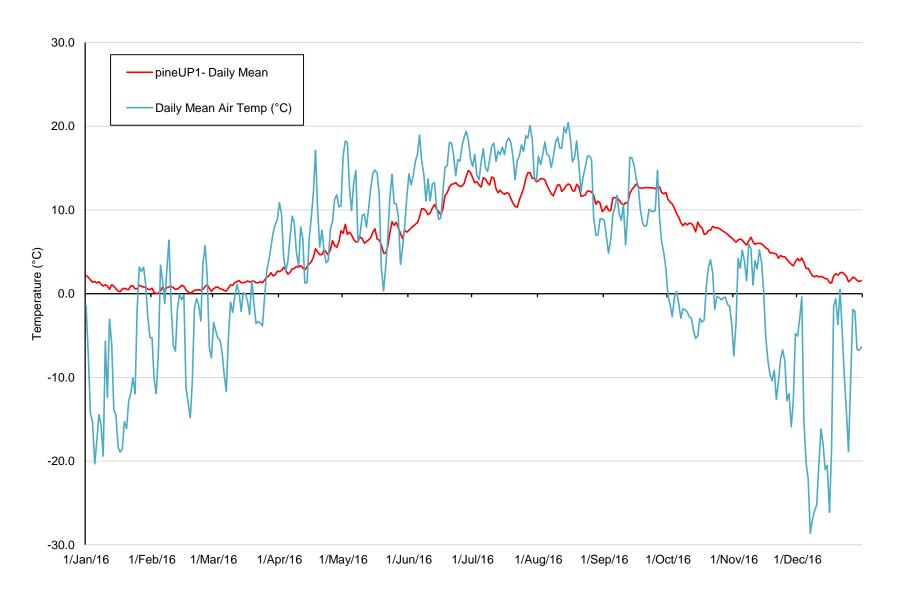


Figure 9. Comparison of Peace River daily mean water temperature upstream of the Pine River confluence (pineUP1) with daily mean ambient air temperature at the Fort St. John airport during Year 8, January 01, 2016 to December 31, 2016.

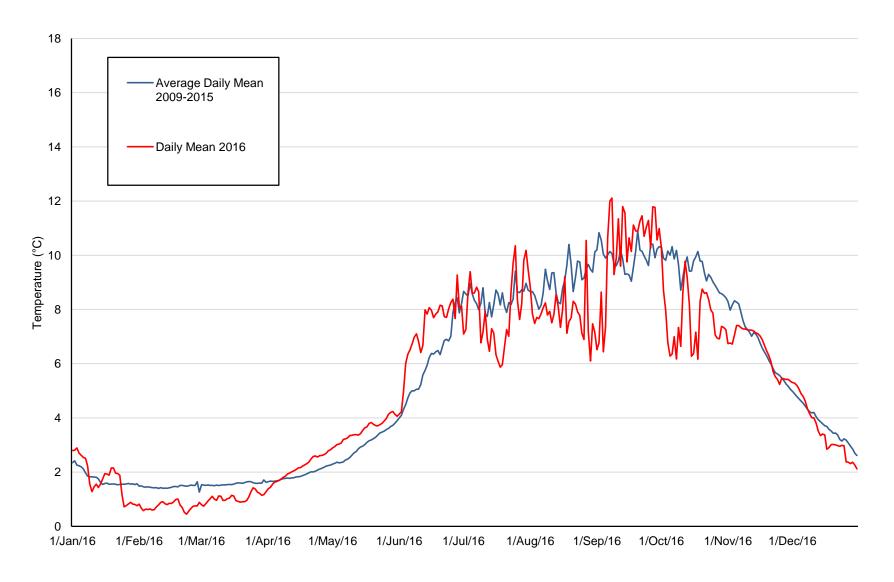


Figure 10. Comparison of Year 8 daily mean water temperature at WAC Bennett Dam tailrace north manifold (gmsDN2) with average of 2009 to 2015 daily mean water temperature at gmsDN2.

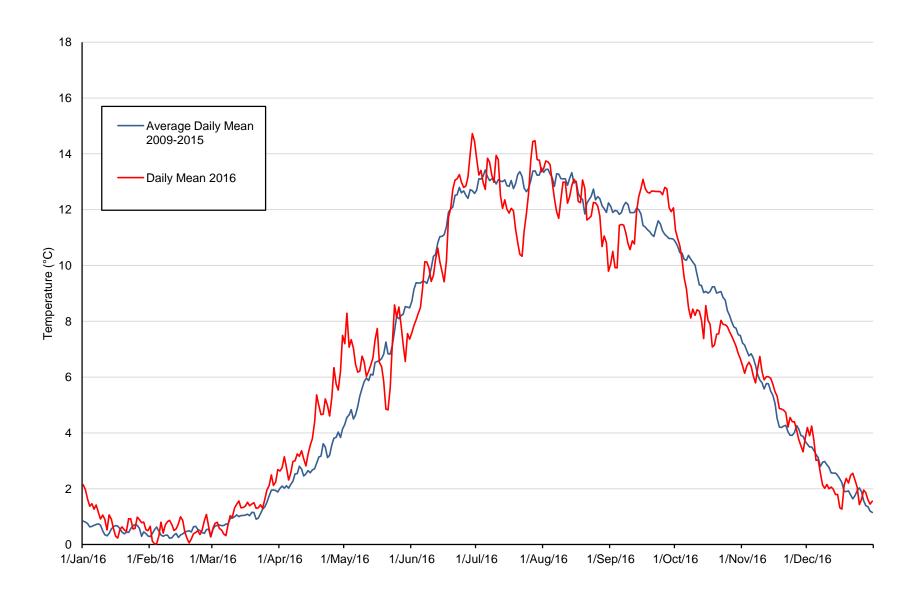


Figure 11. Comparison of Year 8 daily mean water temperature upstream of the Pine River confluence (pineUP1) with average of 2009 to 2015 daily mean water temperature at pineUP1.

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). 2013. Peace River Water Use Plan Peace River Baseline TDGP/Temperature GMSWorks-2 Year 4 Monitoring Program Interim Report January 2012 to December 2012. Prepare for BC Hydro, Vancouver, BC. 24pp + appendices.

Appendix I. Temperature monitoring station location information for Year 8, January 01, 2016 to December 31, 2016.

Site ID	Serial #	Location	UTM (Z East	one 10) North	Comment
gmsUP1	10676155	WAC Bennett Forebay	548841	6209022	steel buoy; 1 m depth
gmsUP2	10676160	WAC Bennett Forebay	548841	6209022	steel buoy; 10 m depth
gmsDN1	10635063	GMS Tailrace	548881	6207761	southbank; deflection wier riprap
gmsDN1BU	2038613	GMS Tailrace	548881	6207761	southbank; deflection wier riprap
gmsDN2	10669739	GMS Tailrace	548828	6207836	north bank; riprap below Tunnel portal #3
gmsDN2BU	2038614	GMS Tailrace	548828	6207836	north bank; riprap below Tunnel portal #3
pcnUP1	10635067	Peace Canyon Forebay	562710	6204068	anti-vortex log boom; 1 m depth
pcnDN2	10156317	Peace Canyon Tailrace	562803	6204854	north bank; rock slab
pcnDN2BU	10635061	Peace Canyon Tailrace	562803	6204854	north bank; rock slab
HalfUP1	9767573	Halfway Confluence - upstream	595165	6230094	south bank; spruce tree
HalfUP2	10156319	Halfway Confluence - upstream	595569	6230541	north bank; spruce tree
HalfDN2	10669748	Halfway Confluence - downstream	598198	6232169	north bank; balsam poplar
HalfDN2BU	10156314	Halfway Confluence - downstream	598179	6232144	north bank; balsam poplar
MobUP1	10887852	Moberly Confluence - upstream	627158	6232349	south bank; alder
MobUP2	10669754	Moberly Confluence - upstream	627501	6232563	north bank; spruce tree
MobDN1	10676146	Moberly Confluence - downstream	630776	6229287	south bank; alder
MobDN1BU	10676147	Moberly Confluence - downstream	630875	6229303	south bank; alder
PineUP1	10669747	Pine Confluence - upstream	641034	6225375	south bank; alder
PineUP2	10635062	Pine Confluence - upstream	641653	6225304	north bank; balsam poplar
PineDN1	2225322	Pine Confluence - downstream	648101	6222802	south bank; alder
PineDN1BU	10893055	Pine Confluence - downstream	648362	6222823	south bank; alder
PineMS1	10893069	Pine Mainstem - upstream of Peace	641762	6223599	north bank; steel piling
PineMS2	10887856	Pine Mainstem - upstream of Peace	641677	6223590	north bank; balsam poplar
BeatMS1	10930732	Beatton Mainstem - upstream of Peace	663101	6220759	east bank; spruce
BeatMS2	10930793	Beatton Mainstem - upstream of Peace	663098	6220723	east bank; birch
PouceUP1	10893059	Pouce Coupe confluence - upstream	*316873	6225211	south bank; birch; *UTM Zone 11
PouceUP2	10893068	Pouce Coupe confluence - upstream	*316146	6226036	south bank; spruce; *UTM Zone 11

Appendix II. Inventory of dissolved gas pressure meters and probes.

Meter Number	Serial Number	Probe Number	Cable Length (ft)
1	231	1	50
2	228	2	100
3	230	3	100
4	227	4	100
5	226	5	100
6	229	6	100

Appendix III. Reference temperature values and corresponding logger fix values recorded during download events in Year 8, January 01, 2016 to December 31, 2016.

Logger ID	Date	Fix Temp	Ref Temp	Error
gmsUP1	11-Apr-16	2.1	1.9	0.2
(SN 10676155)	15-Jul-16	17.8	17.8	0.0
	31-Oct-16	8.1	8.0	0.1
	4-Jan-17	1.7	1.6	0.1
gmsUP2	11-Apr-16	2.1	1.9	0.2
(SN 10666160)	15-Jul-16	17.6	17.5	0.1
	31-Oct-16	8.1	8.0	0.1
	4-Jan-17	1.7	1.6	0.1
gmsDN1	11-Apr-16	2.0	1.9	0.1
(SN 10635063)	15-Jul-16	10.8	10.9	-0.1
,	31-Oct-16	8.0	8.1	-0.1
	4-Jan-17	1.8	1.9	-0.1
gmsDN1_BU	11-Apr-16	2.1	1.9	0.2
(SN 2038613)	15-Jul-16	10.9	10.9	0.0
(0.11 20000 10)	31-Oct-16	8.1	8.1	0.0
	4-Jan-17	1.9	1.9	0.0
				0.0
gmsDN2	11-Apr-16	1.9	1.9	0.0
(SN 10669739)	15-Jul-16	6.5	6.7	-0.2
	31-Oct-16	7.1	7.0	0.1
	4-Jan-17	1.8	1.9	-0.1
gmsDN2_BU	11-Apr-16	2.1	1.9	0.2
(SN 2038614)	15-Jul-16	6.7	6.9	-0.2
	31-Oct-16	7.3	7.0	0.3
	4-Jan-17	2.0	1.9	0.1
pcnUP1	11-Apr-16	2.3	2.1	0.2
(SN 10635067)	15-Jul-16	9.2	9.5	-0.3
,	31-Oct-16	7.7	7.9	-0.2
pcnDN2	11-Apr-16	2.2	2.1	0.1
(SN 10156317)	15-Jul-16	9.0	9.0	0.0
(31113133311)	31-Oct-16	7.8	7.7	0.1
	4-Jan-17	2.0	2.0	0.0
pcnDN2_BU	11-Apr-16	2.2	2.1	0.1
(SN 10635061)	15-Jul-16	9.0	9.0	0.0
(014 10000001)	31-Oct-16	7.8	9.0 7.7	0.1
	4-Jan-17	2.0	2.0	0.0
holfl ID4	21 Apr 10	2.0	2.5	0.4
halfUP1	21-Apr-16	2.6	2.5	0.1
(SN 9767573)	7-Jul-16	12.3	12.4	-0.1
	10-Oct-16	8.5	8.5	0.0

Appendix III. Reference temperature values and corresponding logger fix values recorded during download events in Year 8, January 01, 2016 to December 31, 2016, cont.

Logger ID	Date	Logger Temp	Reference Temp	Error
halfUP2	21-Apr-16	2.7	2.7	0.0
(SN 10156319)	7-Jul-16	12.5	12.4	0.1
	10-Oct-16	8.5	8.5	0.0
halfDN2	21-Apr-16	5.8	5.6	0.2
(SN 10669748)	7-Jul-16	15.2	15.2	0.0
	10-Oct-16	6.5	6.4	0.2
	5-Jan-17	1.3	1.3	0.0
halfDN2_BU	21-Apr-16	5.7	5.6	0.1
(SN 10156314)	7-Jul-16	15.2	15.2	0.0
,	10-Oct-16	6.5	6.4	0.2
	5-Jan-17	1.3	1.3	0.0
mobUP1 (SN 10339754)	15-Apr-16	2.8	2.7	0.1
mobUP1	7-Jul-16	12.1	12.1	0.0
(SN 10887852)	13-Oct-16	8.5	8.2	0.3
(,	17-Jan-17	1.9	1.8	0.1
mobUP2 (SN 10669741)	15-Apr-16	2.6	2.6	0.0
mobUP2	13-Oct-16	8.0	7.8	0.2
(SN 10669754)	17-Jan-17	1.8	1.8	0.0
mobDN1	7-Jul-16	14.1	13.9	0.2
(SN 10676146)	13-Oct-16	7.6	7.5	0.1
(811 1007 01 10)	17-Jan-17	1.9	1.8	0.1
mobDN1_BU	7-Jul-16	14.1	14.0	0.1
(SN 10676147)	13-Oct-16	7.6	7.5	0.1
(811 1887 81 11)	17-Jan-17	1.8	1.8	0.0
pineUP1	15-Apr-16	3.1	3.3	-0.2
(SN10669747)	7-Jul-16	13.5	13.7	-0.2
(31110009747)	13-Oct-16	7.9	7.6	0.3
	13-001-16 17-Jan-17	1.8	1.8	0.0
nin al IDO	45 0 - 40	2.2	2.2	0.0
pineUP2	15-Apr-16	3.0	3.0	0.0
(SN10635062)	7-Jul-16	13.2	13.1	0.1
	13-Oct-16	8.1	8.0	0.1
	17-Jan-17	1.9	1.8	0.1

Appendix III. Reference temperature values and corresponding logger fix values recorded during download events in Year 8, January 01, 2016 to December 31, 2016, cont.

Logger ID	Date	Logger Temp	Reference Temp	Error
pineDN1	15-Apr-16	4.2	4.2	0.0
(SN 2225322)	7-Jul-16	15.3	15.1	0.2
pineDN1_BU (SN 9762095)	15-Apr-16	4.3	4.2	0.1
pineDN1_BU	13-Oct-16	5.6	5.4	0.2
(SN 10930722)	17-Jan-17	1.6	1.5	0.1
pineMS1 (SN 10893069)	13-Oct-16 17-Jan-17	1.9	1.6	0.3
pineMS2	13-Jul-16	17.9	18.0	-0.1
(SN 10887856)	13-Oct-16 17-Jan-17	1.9	1.6	0.3
beatMS1 (SN 10930732)			ata due to beaching in J 5, not downloaded in Ja	•
beatMS2 (SN 10893055)	7-Jul-16	20.0	19.9	0.1
pouceUP1	6-Jul-16	15.0	15.1	-0.1
(SN 10893059)	12-Oct-16	7.8	7.8	0.0
,	18-Jan-17	1.9	1.8	0.1
pouceUP2	6-Jul-16	14.7	14.9	-0.2
(SN 10893068)	12-Oct-16	7.7	7.7	0.0
(514 1000000)	18-Jan-17	1.9	1.9	0.0

Appendix IV. Year 8 download information forms, January 01, 2016 to December 31, 2016.

BC HADDO	DEACE DIV	ER TEMPERA	TUDE MON	ITOPING - F		OVD INI		ON FORM	
SITE ID gms				S Forebay	DOWNL	BANK	OKWATI	ON I OKW	
LOGGER TYPE	Tidbit			•		UTM	F400	44 00	00000
DOWNLOAD DATE		2016 DOWNL		10676155		•	5488	BC TE	09022
				AID TEMP	40	CREW	DITIONS		
TEST RECORDER TYPI	E YSI	WATER TE		AIR TEMP	10	ICECON	DITIONS	none	•
			LOGGER CO						
		olsLodged n		EASON					
BURIED no	FUNCTIO	NAL wet	•	EIGHT ABOVE	WATER	С	m TETHER	TYPE stee	el buoy
			COMM	ENTS					
Dow nload OK									
Stainless steel cable OF RPL#19	Λ								
KPL#19									
SITE ID gms	UP2 LOCA	TION	GM	S Forebay		BANK			
LOGGER TYPE	Tidbit	LOGGER SER		10676160		UTM	5488	41 62	09022
DOWNLOAD DATE	11 Apr	2016 DOWNL		15:13	3	CREW	, , 50	BC TE	_
TEST RECORDER TYPI		WATER TE	MP 1.9	AIR TEMP	10	ICECON	DITIONS	none)
			LOGGER CO	ONDITIONS					
		ISLODGED no		EASON					
BURIED no	FUNCTIO	NAL wet		EIGHT ABOVE	WATER	С	m TETHER	TYPE stee	el buoy
			COMM	ENTS					
D 1 1014									
Dow nload OK									
Stainless steel cable Of	۸								
RPL#20									
SITE ID gms	DN2 LOCA	TION	GMS 1	Tailrace RDB		BANK		r	orth
SITE ID gms LOGGER TYPE	DN2 LOCA	TION LOGGER SER		Tailrace RDB 10669739		BANK UTM	5488		orth 07836
			IAL#				5488		
LOGGER TYPE	Tidbit 11 Apr	LOGGER SER	IAL# OADTIME MP 1.9	10669739 AIR TEMP	6	UTM		28 62	07836
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE	Tidbit 11 Apr E YSI	LOGGER SER 2016 DOWNL WATER TE	IAL# OADTIME MP 1.9 LOGGER CO	AIR TEMP	6	UTM CREW		28 62 BC TE	07836
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH	Tidbit 11 Apr E YSI 160 cm C	LOGGER SER 2016 DOWNL WATER TEI	OAD TIME MP 1.9 LOGGER CC	AIR TEMP ONDITIONS EASON		UTM CREW ICE CON	DITIONS	28 62 BC TE none	07836
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPI	Tidbit 11 Apr E YSI	LOGGER SER 2016 DOWNL WATER TEI	IAL # OAD TIME MP 1.9 LOGGER CC D R IF DRY, H	AIR TEMP DINDITIONS EASON HEIGHT ABOVE		UTM CREW ICE CON		28 62 BC TE none	07836
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH	Tidbit 11 Apr E YSI 160 cm C	LOGGER SER 2016 DOWNL WATER TEI	OAD TIME MP 1.9 LOGGER CC	AIR TEMP DINDITIONS EASON HEIGHT ABOVE		UTM CREW ICE CON	DITIONS	28 62 BC TE none	07836
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no	Tidbit 11 Apr E YSI 160 cm C FUNCTION	LOGGER SER 2016 DOWNL WATER TE	OAD TIME MP 1.9 LOGGER CC R IF DRY, H	AIR TEMP DINDITIONS EASON HEIGHT ABOVE		UTM CREW ICE CON	DITIONS	28 62 BC TE none	07836
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no Back-up logger gms DN2	Tidbit 11 Apr E YSI 160 cm C FUNCTION	LOGGER SER 2016 DOWNL WATER TE	OAD TIME MP 1.9 LOGGER CC R IF DRY, H	AIR TEMP DINDITIONS EASON HEIGHT ABOVE		UTM CREW ICE CON	DITIONS	28 62 BC TE none	07836
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no Back-up logger gms DN2 both dow nloads OK	Tidbit 11 Apr E YSI 160 cm C FUNCTION 2-BU 2038614	LOGGER SER 2016 DOWNL WATER TE	OAD TIME MP 1.9 LOGGER CC O R IF DRY, H COMM	AIR TEMP DIDITIONS EASON HEIGHT ABOVE		UTM CREW ICE CON	DITIONS	28 62 BC TE none	07836
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no Back-up logger gmsDN2 both dow nloads OK cable ok (stainless stee	Tidbit 11 Apr E YSI 160 cm C FUNCTION 2-BU 2038614	LOGGER SER 2016 DOWNL WATER TE	OAD TIME MP 1.9 LOGGER CO R IF DRY, H COMM	AIR TEMP DIDITIONS EASON HEIGHT ABOVE		UTM CREW ICE CON	DITIONS	28 62 BC TE none	07836
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no Back-up logger gms DN2 both dow nloads OK	Tidbit 11 Apr E YSI 160 cm C FUNCTION 2-BU 2038614	LOGGER SER 2016 DOWNL WATER TE	OAD TIME MP 1.9 LOGGER CO R IF DRY, H COMM	AIR TEMP DIDITIONS EASON HEIGHT ABOVE		UTM CREW ICE CON	DITIONS	28 62 BC TE none	07836
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no Back-up logger gmsDN2 both dow nloads OK cable ok (stainless stee	Tidbit 11 Apr E YSI 160 cm C FUNCTION 2-BU 2038614	LOGGER SER 2016 DOWNL WATER TE	OAD TIME MP 1.9 LOGGER CO R IF DRY, H COMM	AIR TEMP DIDITIONS EASON HEIGHT ABOVE		UTM CREW ICE CON	DITIONS	28 62 BC TE none	07836
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no Back-up logger gmsDN2 both dow nloads OK cable ok (stainless stee	Tidbit 11 Apr E YSI 160 cm C FUNCTION 2-BU 2038614	LOGGER SER 2016 DOWNL WATER TE	OAD TIME MP 1.9 LOGGER CO R IF DRY, H COMM	AIR TEMP DIDITIONS EASON HEIGHT ABOVE		UTM CREW ICE CON	DITIONS	28 62 BC TE none	07836
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPI WATER DEPTH BURIED no Back-up logger gmsDN2 both dow nloads OK cable ok (stainless stee Primary Logger-RpI #11	Tidbit 11	LOGGER SER 2016 DOWNL WATER TE	OAD TIME MP 1.9 LOGGER CC O R IF DRY, H COMM	AIR TEMP DIDITIONS EASON HEIGHT ABOVE ENTS around rock)		UTM CREW ICE CON	DITIONS m TETHER	28 62 BC TE none	07836
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPI WATER DEPTH BURIED no Back-up logger gmsDN2 both dow nloads OK cable ok (stainless stee Primary Logger-RpI #11	Tidbit 11	LOGGER SER 2016 DOWNL WATER TE	OAD TIME MP 1.9 LOGGER CC O R IF DRY, H COMM	AIR TEMP DIDITIONS EASON HEIGHT ABOVE		UTM CREW ICE CON	DITIONS	28 62 BC TE none TYPE 1	07836
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no Back-up logger gmsDN2 both dow nloads OK cable ok (stainless stee Primary Logger-RpI #11 SITE ID gms	Tidbit 11	LOGGER SER 2016 DOWNL WATER TE	OAD TIME MP 1.9 LOGGER CC O R IF DRY, H COMM 12:40 anized cable a	AIR TEMP DIDITIONS EASON HEIGHT ABOVE ENTS Tailrace LDB	WATER	UTM CREW ICE CON	DITIONS m TETHER	28 62 BC TE none TYPE 1	07836
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no Back-up logger gms DN2 both dow nloads OK cable ok (stainless stee Primary Logger-RpI #11 SITE ID gms LOGGER TYPE	Tidbit 11	LOGGER SER 2016 DOWNL WATER TE	OAD TIME MP 1.9 LOGGER CC O R IF DRY, H COMM 2:40 anized cable a	AIR TEMP DIDITIONS EASON HEIGHT ABOVE ENTS Tailrace LDB 10635063	WATER	UTM CREW ICE CON	m TETHER sout	28 62 BC TE none TYPE 1 th 81 62	07836 e eock
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no Back-up logger gms DN/2 both dow nloads OK cable ok (stainless stee Primary Logger-RpI #11 SITE ID gms LOGGER TYPE DOWNLOAD DATE	Tidbit 11	LOGGER SER 2016 DOWNL WATER TE SISLODGED now NAL wet in same capsule for attached to galv TION LOGGER SER 2015 DOWNL WATER TE	AL # OAD TIME MP 1.9 LOGGER CC D R IF DRY, H COMM 12:40 anized cable a GMS IAL # OAD TIME MP 1.9 LOGGER CC	AIR TEMP DIDITIONS EASON HEIGHT ABOVE ENTS Tailrace LDB 10635063 12:00 AIR TEMP DIDITIONS	WATER	UTM CREW ICE CON	m TETHER sout	BC TE none TYPE 1 th 81 62 BC TE	07836 Prock
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no Back-up logger gms DN/2 both dow nloads OK cable ok (stainless stee Primary Logger-RpI #11 SITE ID gms LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH	Tidbit 11	LOGGER SER 2016 DOWNL WATER TEI SISLODGED no NAL w et In same capsule 1 attached to galv TION LOGGER SER 2015 DOWNL WATER TEI SISLODGED no	IAL # OAD TIME MP 1.9 LOGGER CC O R IF DRY, H COMM 12:40 anized cable a GMS IAL # OAD TIME MP 1.9 LOGGER CC O R	AIR TEMP DIDITIONS EASON HEIGHT ABOVE ENTS Tailrace LDB 10635063 12:00 AIR TEMP DIDITIONS EASON	WATER 0 6	BANK UTM CREW ICE CON	Sout 5488	BC TE none TYPE I BC TE none	07836 Prock
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no Back-up logger gms DN/2 both dow nloads OK cable ok (stainless stee Primary Logger-RpI #11 SITE ID gms LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE	Tidbit 11	LOGGER SER 2016 DOWNL WATER TEI SISLODGED no NAL w et In same capsule 1 attached to galv TION LOGGER SER 2015 DOWNL WATER TEI SISLODGED no	GMS GMS GMS GMS GMS GMS GMS GMS	AIR TEMP DIDITIONS EASON HEIGHT ABOVE ENTS Tailrace LDB 10635063 12:00 AIR TEMP DIDITIONS EASON HEIGHT ABOVE	WATER 0 6	BANK UTM CREW ICE CON	m TETHER sout	BC TE none TYPE I th 81 62 BC TE none	07836 e eock
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no Back-up logger gms DN/2 both dow nloads OK cable ok (stainless stee Primary Logger-RpI #11 SITE ID gms LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH	Tidbit 11	LOGGER SER 2016 DOWNL WATER TEI SISLODGED no NAL w et In same capsule 1 attached to galv TION LOGGER SER 2015 DOWNL WATER TEI SISLODGED no	IAL # OAD TIME MP 1.9 LOGGER CC O R IF DRY, H COMM 12:40 anized cable a GMS IAL # OAD TIME MP 1.9 LOGGER CC O R	AIR TEMP DIDITIONS EASON HEIGHT ABOVE ENTS Tailrace LDB 10635063 12:00 AIR TEMP DIDITIONS EASON HEIGHT ABOVE	WATER 0 6	BANK UTM CREW ICE CON	Sout 5488	BC TE none TYPE I th 81 62 BC TE none	07836 Prock
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no Back-up logger gms DN/2 both dow nloads OK cable ok (stainless stee Primary Logger-RpI #11 SITE ID gms LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH	Tidbit 11	LOGGER SER 2016 DOWNL WATER TEI SISLODGED no NAL w et In same capsule 1 attached to galv TION LOGGER SER 2015 DOWNL WATER TEI SISLODGED no	GMS GMS GMS GMS GMS GMS GMS GMS	AIR TEMP DIDITIONS EASON HEIGHT ABOVE ENTS Tailrace LDB 10635063 12:00 AIR TEMP DIDITIONS EASON HEIGHT ABOVE	WATER 0 6	BANK UTM CREW ICE CON	Sout 5488	BC TE none TYPE I th 81 62 BC TE none	07836 Prock
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no Back-up logger gms DN2 both dow nloads OK cable ok (stainless stee Primary Logger-RpI #11 SITE ID gms LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no	Tidbit 11	LOGGER SER 2016 DOWNL WATER TEI SISLODGED no NAL wet In same capsule 1 attached to galv TION LOGGER SER 2015 DOWNL WATER TEI SISLODGED no NAL wet	GMS GMS GMS GMS GMS GMS GMS GMS	AIR TEMP DIDITIONS EASON HEIGHT ABOVE ENTS Tailrace LDB 10635063 12:00 AIR TEMP DIDITIONS EASON HEIGHT ABOVE	WATER 0 6	BANK UTM CREW ICE CON	Sout 5488	BC TE none TYPE I th 81 62 BC TE none	07836 Prock
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no Back-up logger gms DN2 both dow nloads OK cable ok (stainless ster Primary Logger-RpI #11 SITE ID gms LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no Back-up logger gms DN2 Back-up logger gms DN2	Tidbit 11	LOGGER SER 2016 DOWNL WATER TEI SISLODGED no NAL wet In same capsule 1 attached to galv TION LOGGER SER 2015 DOWNL WATER TEI SISLODGED no NAL wet	GMS GMS GMS GMS GMS GMS GMS GMS	AIR TEMP DIDITIONS EASON HEIGHT ABOVE ENTS Tailrace LDB 10635063 12:00 AIR TEMP DIDITIONS EASON HEIGHT ABOVE	WATER 0 6	BANK UTM CREW ICE CON	Sout 5488	BC TE none TYPE I th 81 62 BC TE none	07836 Prock
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no Back-up logger gms DN2 both dow nloads OK cable ok (stainless ster Primary Logger-RpI #11 SITE ID gms LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no Back-up logger gms DN2 both dow nloads OK	Tidbit 11	LOGGER SER 2016 DOWNL WATER TE SISLODGED now NAL wet In same capsule 1 Attached to galv TION LOGGER SER 2015 DOWNL WATER TE SISLODGED now NAL wet In same capsule 1	ALL# OAD TIME MP 1.9 LOGGER CC O R IF DRY, H COMM 12:40 anized cable a GMS IAL# OAD TIME MP 1.9 LOGGER CC O R IF DRY, H COMM	AIR TEMP DIDITIONS EASON HEIGHT ABOVE ENTS Tailrace LDB 10635063 12:00 AIR TEMP DIDITIONS EASON HEIGHT ABOVE	WATER 0 6	BANK UTM CREW ICE CON	Sout 5488	BC TE none TYPE I th 81 62 BC TE none	07836 Prock
DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no Back-up logger gms DN2 both dow nloads OK cable ok (stainless ster Primary Logger-Rpl #11 SITE ID gms LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no Back-up logger gms DN2 both dow nloads OK cable ok (stainless ster	Tidbit 11	LOGGER SER 2016 DOWNL WATER TE SISLODGED now NAL wet In same capsule 1 Attached to galv TION LOGGER SER 2015 DOWNL WATER TE SISLODGED now NAL wet In same capsule 1	ALL# OAD TIME MP 1.9 LOGGER CC O R IF DRY, H COMM 12:40 anized cable a GMS IAL# OAD TIME MP 1.9 LOGGER CC O R IF DRY, H COMM	AIR TEMP DIDITIONS EASON HEIGHT ABOVE ENTS Tailrace LDB 10635063 12:00 AIR TEMP DIDITIONS EASON HEIGHT ABOVE	WATER 0 6	BANK UTM CREW ICE CON	Sout 5488	BC TE none TYPE I th 81 62 BC TE none	07836 Prock
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPI WATER DEPTH BURIED no Back-up logger gms DN/2 both dow nloads OK cable ok (stainless stee Primary Logger-RpI #11 SITE ID gms LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPI WATER DEPTH BURIED no Back-up logger gms DN/2 both dow nloads OK	Tidbit 11	LOGGER SER 2016 DOWNL WATER TE SISLODGED now NAL wet In same capsule 1 Attached to galv TION LOGGER SER 2015 DOWNL WATER TE SISLODGED now NAL wet In same capsule 1	ALL# OAD TIME MP 1.9 LOGGER CC O R IF DRY, H COMM 12:40 anized cable a GMS IAL# OAD TIME MP 1.9 LOGGER CC O R IF DRY, H COMM	AIR TEMP DIDITIONS EASON HEIGHT ABOVE ENTS Tailrace LDB 10635063 12:00 AIR TEMP DIDITIONS EASON HEIGHT ABOVE	WATER 0 6	BANK UTM CREW ICE CON	Sout 5488	BC TE none TYPE I th 81 62 BC TE none	07836 Prock

BC HYDRO	O PEACE	RIVER	I CIVIL C	יט ו איו.		INITORING -		וו עאט.		IZINIA LICIA I	CIZIAL
		LOCATIO				CN Forebay		BANK			nort
OGGER TYPE	Tidbit		LOGGER	SERIAL		10635067		UTM		562684	62040
OWNLOAD DATE	11		016 DO V	_		11:5	2	CREW			CTE
EST RECORDER TYPE	PE	YSI	WATER	TEMP	2.1	AIR TEMP	6.0	ICECO	NDIT	TIONS	none
				LC	OGGER (CONDITIONS					
WATER DEPTH	100	om DISL	ODGED	no		REASON					
BURIED no	FUN	ICTIONAL	_ wet		IF DRY	, HEIGHT ABOVE	WATER		cm	TETHER TYPE	log bo
					COM	IMENTS					
ow nload OK Il stainless steel cabl pl #10, SN 10635067											
ITEID pc	nDN2	LOCATIO	N		F	PCN Tailrace		BANK			nort
OGGER TYPE	Tidbit		LOGGER	SERIAL		10156317		UTM		562803	62048
OWNLOAD DATE	11		016 DO			10:4	1	CREW			CTE
EST RECORDER TYPE	PE	YSI	WATER		2.1	AIR TEMP	6.0	ICECO	NDIT	TIONS	none
WATER DEPTH	100	DIO	ODGED		OGGER (CONDITIONS					
WATER DEPTH BURIED no		om DISL		no	IF DRY	REASON , HEIGHT ABOVE	WATER		cm	TETHER TYPE	roc
TIO	1 01	OTIONAL	- W GL			MENTS	MAILIN		CIII	TETTICK TIPE	100
	le ok										
	DN2_BU			CEDIAL		PCN Tailrace		BANK		E63903	nort
OGGER TYPE		L	LOGGER	-	#	PCN Tailrace 10635061 10:4	2	BANK UTM CREW		562803 BG	nort 6204
OGGER TYPE OWNLOAD DATE	DN2_BU Tidbit 11	L	LOGGER	WNLOA	#	10635061	2 6.0	UTM) NDIT	В	62048
OGGER TYPE OWNLOAD DATE	DN2_BU Tidbit 11	Apr 2 YSI	LOGGER 2016 DON WATER	WNLOAI R TEMP	# DTIME 2.1	10635061 10:4: AIR TEMP CONDITIONS		UTM CREW	NDIT	В	62048 C TE
OGGER TYPE OOWNLOAD DATE EST RECORDER TYPE WATER DEPTH	DN2_BU Tidbit 11 PE	Apr 2 YSI	LOGGER: 2016 DOV WATER	WNLOAI R TEMP	# D TIME 2.1 DGGER (10635061 10:4: AIR TEMP CONDITIONS REASON	6.0	UTM CREW		FIONS	62048 C TE none
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH	DN2_BU Tidbit 11 PE	Apr 2 YSI	LOGGER 2016 DOV WATER	WNLOAI R TEMP	# D TIME 2.1 DGGER (10635061 10:4 AIR TEMP CONDITIONS REASON , HEIGHT ABOVE	6.0	UTM CREW		В	62048 CTE none
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH	DN2_BU Tidbit 11 PE	Apr 2 YSI	LOGGER: 2016 DOV WATER	WNLOAI R TEMP	# D TIME 2.1 DGGER (10635061 10:4: AIR TEMP CONDITIONS REASON	6.0	UTM CREW		FIONS	62048 C TE none
OGGER TYPE DOWNLOAD DATE EST RECORDER TYPE WATER DEPTH BURIED NO	DN2_BU Tidbit 11 PE	Apr 2 YSI	LOGGER: 2016 DOV WATER	WNLOAI R TEMP	# D TIME 2.1 DGGER (10635061 10:4 AIR TEMP CONDITIONS REASON , HEIGHT ABOVE	6.0	UTM CREW		FIONS	62048 C TE none
OGGER TYPE DOWNLOAD DATE EST RECORDER TYPE WATER DEPTH BURIED NO OWNLOAD DATE	DN2_BU Tidbit 11 PE 160	Apr 2 YSI	LOGGER: 2016 DOV WATER	WNLOAI R TEMP	# D TIME 2.1 DGGER (10635061 10:4 AIR TEMP CONDITIONS REASON , HEIGHT ABOVE	6.0	UTM CREW		FIONS	62048 C TE none
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH BURIED no ownload OK Il stainless steel cable unchored to same roc	DN2_BU Tidbit 11 PE 160 FUN	Apr 2 YSI DISL	LOGGER: 2016 DOV WATER	WNLOAI R TEMP	# D TIME 2.1 DGGER (10635061 10:4 AIR TEMP CONDITIONS REASON , HEIGHT ABOVE	6.0	UTM CREW		FIONS	62048 C TE none
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH BURIED no ow nload OK Il stainless steel cable nchored to same roc	DN2_BU Tidbit 11 PE 160 FUN	Apr 2 YSI DISL	LOGGER: 2016 DOV WATER	WNLOAI R TEMP	# D TIME 2.1 DGGER (10635061 10:4 AIR TEMP CONDITIONS REASON , HEIGHT ABOVE	6.0	UTM CREW		FIONS	62048 C TE none
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH BURIED no ow nload OK Il stainless steel cable nchored to same roc	DN2_BU Tidbit 11 PE 160 FUN	Apr 2 YSI DISL	LOGGER: 2016 DOV WATER	WNLOAI R TEMP	# D TIME 2.1 DGGER (10635061 10:4 AIR TEMP CONDITIONS REASON , HEIGHT ABOVE	6.0	UTM CREW		FIONS	62048 C TE none
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH BURIED no ow nload OK Il stainless steel cable, inchored to same roc	DN2_BU Tidbit 11 PE 160 FUN	Apr 2 YSI DISL	LOGGER: 2016 DOV WATER	WNLOAI R TEMP	# D TIME 2.1 DGGER (10635061 10:4 AIR TEMP CONDITIONS REASON , HEIGHT ABOVE	6.0	UTM CREW		FIONS	62048 C TE none
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH BURIED no ow nload OK Il stainless steel cable inchored to same roc pl #9, SN10635061	DN2_BU Tidbit 11 PE 160 FUN	Apr 2 YSI DISL	ODGED wet	WNLOAI R TEMP	# D TIME 2.1 DGGER (10635061 10:4 AIR TEMP CONDITIONS REASON , HEIGHT ABOVE	6.0	UTM CREW		FIONS	62048 C TE none
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH BURIED no ow nload OK Il stainless steel cable anchored to same roc pl #9, SN10635061	DN2_BU Tidbit 11 PE 160 FUN	Apr 2 YSI CTIONAL DISL DISL CTIONAL	ODGED wet	WNLOA R TEMP LC	# D TIME 2.1 OGGER (IF DRY,	10635061 10:4 AIR TEMP CONDITIONS REASON , HEIGHT ABOVE	6.0	UTM CREW ICE CO		FIONS	62048 C TE none
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH BURIED no ownload OK Il stainless steel cable anchored to same roc pl #9, SN10635061	DN2_BU Tidbit 11 PE 160 FUN	Apr 2 YSI CTIONAL DISL DISL CTIONAL	ODGED Wet DON	WNLOA R TEMP LC no	# D TIME 2.1 COME IF DRY,	10635061 10:4 AIR TEMP CONDITIONS REASON , HEIGHT ABOVE	6.0	UTM CREW ICE CO	cm	TETHER TYPE	62048 C TE none
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH BURIED no ownload OK Il stainless steel cable anchored to same roc pl #9, SN10635061	DN2_BU Tidbit 11 PE 160 FUN	Apr 2 YSI CTIONAL DISL DISL CTIONAL	ODGED Wet LOGGER	NNLOAR TEMP LC NO SERIAL WNLOAR TEMP	# D TIME 2.1 OGGER (IF DRY, COM	AIR TEMP	6.0	UTM CREW ICE CO	cm	TETHER TYPE	62048 C TE none
OGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no TOWNLOAD OK AND	DN2_BU Tidbit 11 PE 160 FUN	Apr 2 YSI Cm DISL ICTIONAL	ODGED WATER ODGED Wet ON WATER	NNLOAR TEMP LC NO SERIAL WNLOAR TEMP	# D TIME 2.1 OGGER (IF DRY, COM	AIR TEMP AIR TEMP CONDITIONS REASON HEIGHT ABOVE MENTS AIR TEMP CONDITIONS	6.0	UTM CREW ICE CO	cm	TETHER TYPE	62048 C TE none
OGGER TYPE OWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED NO OWNLOAD OK AND	DN2_BU Tidbit 11 PE 160 FUN	Apr 2 YSI CTIONAL DISL DISL CTIONAL	ODGED ON LOGGER DOV WATER	NNLOAR TEMP LC NO SERIAL WNLOAR TEMP	# D TIME 2.1 OGGER (IF DRY, COM	AIR TEMP	6.0	UTM CREW ICE CO	cm	TETHER TYPE	6204t
OGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no Townload OK Townload OK Townload To	DN2_BU Tidbit 11 PE 160 FUN	Apr 2 YSI CM DISL CTIONAL DN2 LOCATIO L CM DISL	ODGED ON LOGGER DOV WATER	NNLOAR TEMP LC NO SERIAL WNLOAR TEMP	# D TIME 2.1 OGGER (IF DRY, COM # D TIME	AIR TEMP AIR TEMP CONDITIONS REASON HEIGHT ABOVE MENTS AIR TEMP CONDITIONS REASON AIR TEMP	6.0	UTM CREW ICE CO	cm	TETHER TYPE	6204t
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH BURIED no ownload OK Il stainless steel cable characteristics are roc ppl #9, SN10635061 BITE ID OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH	DN2_BU Tidbit 11 PE 160 FUN	Apr 2 YSI CM DISL CTIONAL DN2 LOCATIO L CM DISL	ODGED ON LOGGER DOV WATER	NNLOAR TEMP LC NO SERIAL WNLOAR TEMP	# D TIME 2.1 OGGER (IF DRY, COM # D TIME	AIR TEMP CONDITIONS REASON , HEIGHT ABOVE IMENTS AIR TEMP CONDITIONS REASON , HEIGHT ABOVE	6.0	UTM CREW ICE CO	cm	TETHER TYPE	6204t
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH BURIED no ownload OK Il stainless steel cabl anchored to same roc pl #9, SN10635061 TITE ID OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH	DN2_BU Tidbit 11 PE 160 FUN	Apr 2 YSI CM DISL CTIONAL DN2 LOCATIO L CM DISL	ODGED ON LOGGER DOV WATER	NNLOAR TEMP LC NO SERIAL WNLOAR TEMP	# D TIME 2.1 OGGER (IF DRY, COM # D TIME	AIR TEMP CONDITIONS REASON , HEIGHT ABOVE IMENTS AIR TEMP CONDITIONS REASON , HEIGHT ABOVE	6.0	UTM CREW ICE CO	cm	TETHER TYPE	6204t
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH BURIED no ownload OK Il stainless steel cabl anchored to same roc pl #9, SN10635061 TITE ID OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH	DN2_BU Tidbit 11 PE 160 FUN	Apr 2 YSI CM DISL CTIONAL DN2 LOCATIO L CM DISL	ODGED ON LOGGER DOV WATER	NNLOAR TEMP LC NO SERIAL WNLOAR TEMP	# D TIME 2.1 OGGER (IF DRY, COM # D TIME	AIR TEMP CONDITIONS REASON , HEIGHT ABOVE IMENTS AIR TEMP CONDITIONS REASON , HEIGHT ABOVE	6.0	UTM CREW ICE CO	cm	TETHER TYPE	6204t
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH BURIED no ownload OK Il stainless steel cabl anchored to same roc pl #9, SN10635061 TITE ID OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH	DN2_BU Tidbit 11 PE 160 FUN	Apr 2 YSI CM DISL CTIONAL DN2 LOCATIO L CM DISL	ODGED ON LOGGER DOV WATER	NNLOAR TEMP LC NO SERIAL WNLOAR TEMP	# D TIME 2.1 OGGER (IF DRY, COM # D TIME	AIR TEMP CONDITIONS REASON , HEIGHT ABOVE IMENTS AIR TEMP CONDITIONS REASON , HEIGHT ABOVE	6.0	UTM CREW ICE CO	cm	TETHER TYPE	6204t
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH BURIED no ownload OK Il stainless steel cabl anchored to same roc pl #9, SN10635061 TITE ID OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH	DN2_BU Tidbit 11 PE 160 FUN	Apr 2 YSI CM DISL CTIONAL DN2 LOCATIO L CM DISL	ODGED ON LOGGER DOV WATER	NNLOAR TEMP LC NO SERIAL WNLOAR TEMP	# D TIME 2.1 OGGER (IF DRY, COM # D TIME	AIR TEMP CONDITIONS REASON , HEIGHT ABOVE IMENTS AIR TEMP CONDITIONS REASON , HEIGHT ABOVE	6.0	UTM CREW ICE CO	cm	TETHER TYPE	6204t

BC HYDR	O PEACE	RIVER TEM	PFRATU	RE MON	ITORING - D	OWNI	OAD INFO	ORMATIO	N FORM
		LOCATION			lalfway River		BANK		north
LOGGER TYPE	Tidbit		ER SERIAL		10156319		UTM	595569	
DOWNLOAD DATE	21		DOWNLOA		9:05		CREW	00000	BC TE
TEST RECORDER T	YPE		TER TEMP	2.7	AIR TEMP	5	ICE COND	TIONS	none
			L	OGGER CC	NDITIONS				
WATER DEPTH	150	m DISLODGE	D no	R	EASON				
BURIED no	FUN	ICTIONAL WE	et	IF DRY, H	EIGHT ABOVE	WATER	cm	TETHER TY	PE spruce
				COMM	ENTS				37.333
	alf UP1	LOCATION		u/s of F	lalfway River		BANK	south	
LOGGER TYPE	Tidbit		ER SERIAL		9767573		UTM	595165	
DOWNLOAD DATE	21		DOWNLOA		9:15		CREW	TIONO	BC TE
TEST RECORDER T	TPE	YSI WAT	TER TEMP	2.5 OGGER CC	AIR TEMP	5	ICE COND	TIONS	none
WATER DEPTH	200	m DISLODGE	_		EASON				
BURIED no		ICTIONAL WE			EIGHT ABOVE	WATER	cm	TETHER TY	PE spruce tree
				COMM	ENTS				
SITE ID h	alf DN2	LOCATION		d/s of H	lalfway River		BANK		north
LOGGER TYPE	Tidbit	LOGG	ER SERIAL	#	10156314		UTM	598198	6232169
DOWNLOAD DATE	21		DOWNLOA		9:33		CREW		BC TE
TEST RECORDER T	YPE	YSI WAT	TER TEMP	5.6 OGGER CC	AIR TEMP	5	ICECOND	TIONS	none
WATER DEPTH	30	m DISLODGE			EASON				
BURIED no		ICTIONAL WE			EIGHT ABOVE	WATER	cm	TETHER TY	PE balsam pop
110	. 0		A	COMM			OII		. = вазантрор
dow nload OK stainless steel cable Rpl #15, SN 106697									
LOGGER TYPE	Tidbit		ER SERIAL	#	Halfway River		BANK UTM	598179	
DOWNLOAD DATE TEST RECORDER T	21 YPE		DOWNLOA FER TEMP	5.6	9:28 AIR TEMP	5	CREW ICE COND	TIONS	BC TE none
				OGGER CC					
WATER DEPTH		m DISLODGE	D no		EASON				
BURIED no	FUN	ICTIONAL WE	et	-	EIGHT ABOVE	WATER	cm	TETHER TY	PE balsam pop
				COMM	EN12				
dow nload OK stainless steel cable	OK								

SITEID						IITORING - D		UAD II	VECKIVIA.		
	mobUP2	LOCAT				Moberly River		BANK			north
LOGGER TYPE	7	Tidbit	LOGGER	SERIAL :		10669741		UTM	627	7501	6232563
DOWNLOAD DAT	E 1:	5 Apr	2016 DO V	NNLOAD	TIME	9:34		CREW		ВС	
EST RECORDER	TYPE	YSI	WATER	TEMP	2.6	AIR TEMP	4.0	ICECO	NDITIONS		none
				LO	GGER C	ONDITIONS					
WATER DEPTH	300	cm DIS	SLODGED	no	F	REASON					
BURIED no		FUNCTION	AL wet		IF DRY, I	HEIGHT ABOVE	WATER		cm TETHE	RTYPE	spruce
					COMN	MENTS					
dow nload Ok stainless steel cab Rpl #12, SN 10669											
SITEID	mobUP1					Moberly River		BANK		uth	
LOGGER TYPE DOWNLOAD DAT		Tidbit 5 Apr	LOGGER			1006975 9:45		UTM	627	7158 BC	6232349
EST RECORDER		5 Apr YSI	2016 DO		2.7	AIR TEMP	4.0	CREW ICE CO	NDITIONS	ВС	none
LOT RECORDER		1 01	MAIL			ONDITIONS	7.0	IOLUU	TADITIONS		110116
WATER DEPTH	60	cm DIS	SLODGED	no		REASON					
BURIED no		FUNCTION	AL wet			HEIGHT ABOVE	WATER		cm TETHE	RTYPE	alder
		BU LOCAT		CEDIAL		Moberly River		BANK		outh	0220275
OGGER TYPE		Tidbit	LOGGER		#	10676147		UTM)875	
OGGER TYPE OWNLOAD DAT	T E 1	Tidbit		NNLOAD	#	•	5.0	UTM CREW			
OGGER TYPE	T E 1	Tidbit 5 Apr YSI	2016 DON WATER	WNLOAD TEMP	# D TIME 2.4	10676147 10:21		UTM CREW	630)875	TE
OGGER TYPE OOWNLOAD DAT EST RECORDER WATER DEPTH	T E 1	Tidbit 5 Apr YSI cm DIS	2016 DON WATER	WNLOAD TEMP	TIME 2.4 OGGER CO yes F	10676147 10:21 AIR TEMP ONDITIONS REASON	5.0	UTM CREW ICE CO	MDITIONS debris	0875 BC	TE
OGGER TYPE OOWNLOAD DAT EST RECORDER WATER DEPTH	T E 1	Tidbit 5 Apr YSI	2016 DON WATER	WNLOAD TEMP	D TIME 2.4 OGGER CO yes F IF DRY, H	10676147 10:21 AIR TEMP ONDITIONS	5.0	UTM CREW ICE CO	630	0875 BC	TE
OGGER TYPE DOWNLOAD DAT TEST RECORDER WATER DEPTH BURIED no download OK wung to shore by	E 1:	Tidbit 5 Apr YSI cm DIS	2016 DON WATER	WNLOAD TEMP	D TIME 2.4 OGGER CO yes F IF DRY, H	10676147 10:21 AIR TEMP ONDITIONS REASON HEIGHT ABOVE	5.0	UTM CREW ICE CO	MDITIONS debris	0875 BC	none
OGGER TYPE OWNLOAD DAT TEST RECORDER WATER DEPTH BURIED no ow nload OK w ung to shore by PPL#18	E 1:	Tidbit 5 Apr YSI cm DIS FUNCTION debris	LOGGER 2016 DOI WATER SLODGED	WNLOAD TEMP	# DTIME 2.4 DGGER CC yes FIF DRY, I	10676147 10:21 AIR TEMP ONDITIONS REASON HEIGHT ABOVE	5.0	UTM CREW ICE CO	630 NDITIONS debris cm TETHE	0875 BC	TE none
OGGER TYPE DOWNLOAD DAT TEST RECORDER WATER DEPTH BURIED no low nload OK w ung to shore by RPL#18	TYPE 1.	Tidbit 5 Apr YSI cm DIS FUNCTION debris	LOGGER 2016 DOI WATER SLODGED	WNLOAE TEMP LO dry	# DTIME 2.4 DGGER CC yes FIF DRY, I	10676147 10:21 AIR TEMP ONDITIONS REASON HEIGHT ABOVE	5.0	UTM CREW ICE CO	630 NDITIONS debris cm TETHE	BC BC	TE none alder
OGGER TYPE OWNLOAD DAT TEST RECORDER WATER DEPTH BURIED no TOWNLOAD OK W ung to shore by PL#18 SITE ID OGGER TYPE OWNLOAD DAT	y ice and	Tidbit 5 Apr YSI cm DIS FUNCTION debris LOCAT Tidbit 5 Apr	LOGGER 2016 DOV WATER SLODGED AL LOGGER 2016 DOV	WNLOAE TEMP LO dry SERIAL:	# DTIME 2.4 DGGER CC yes FIF DRY, LC COMIN	10676147 10:21 AIR TEMP ONDITIONS REASON HEIGHT ABOVE IENTS Moberly River 10669746 10:10	5.0 WATER	UTM CREW ICE COI ice BANK UTM CREW	630 NDITIONS debris Cm TETHE so 630	BC BC R TYPE	TE none alder
OGGER TYPE OWNLOAD DAT EST RECORDER WATER DEPTH BURIED no ow nload OK w ung to shore by PL#18 ITE ID OGGER TYPE OWNLOAD DAT	y ice and	Tidbit 5 Apr YSI cm DIS FUNCTION debris	LOGGER 2016 DOV WATER SLODGED AL ION LOGGER	WNLOAE TEMP LO dry SERIAL: WNLOAE TEMP	# DTIME 2.4 DGGER CC yes FIF DRY, LC COMIN	Moberly River 10669746 10:21 AIR TEMP ONDITIONS REASON HEIGHT ABOVE MENTS	5.0	UTM CREW ICE COI ice BANK UTM CREW	630 NDITIONS debris cm TETHE	BC BC R TYPE	TE none alder
OGGER TYPE OWNLOAD DAT EST RECORDER WATER DEPTH BURIED no ow nload OK w ung to shore by PL#18 SITE ID OGGER TYPE OWNLOAD DAT EST RECORDER	y ice and	Tidbit 5 Apr YSI cm DIS FUNCTION debris LOCAT Tidbit 5 Apr YSI	LOGGER 2016 DOV WATER SLODGED AL LOGGER 2016 DOV WATER	WNLOAE TEMP LO dry SERIAL: WNLOAE TEMP	# DTIME 2.4 DGGER CCOMIN d/s of # DTIME 2.4 DGGER CCOMIN	Moberly River 1069746 10:10 AIR TEMP ONDITIONS REASON HEIGHT ABOVE MENTS	5.0 WATER	UTM CREW ICE CO ice BANK UTM CREW ICE CO	630 NDITIONS debris Cm TETHE so 630	BC BC R TYPE	TE none alder 6229287
OGGER TYPE OWNLOAD DAT TEST RECORDER WATER DEPTH BURIED no low nload OK w ung to shore by RPL#18 SITE ID OGGER TYPE OWNLOAD DAT	y ice and	Tidbit 5 Apr YSI cm DIS FUNCTION debris LOCAT Tidbit 5 Apr YSI	LOGGER 2016 DOV WATER SLODGED AL LOGGER 2016 DOV WATER	SERIAL : WINLOAD	# DTIME 2.4 DGGER COMIN d/s of # DTIME 2.4	Moberly River 10669746 10:10 AIR TEMP ONDITIONS REASON HEIGHT ABOVE MENTS	5.0 WATER 5.0 5.0	UTM CREW ICE COI ice BANK UTM CREW ICE COI debris	630 NDITIONS debris cm TETHE so 630 NDITIONS	BC BC BC	TE none alder 6229287 TE none
OGGER TYPE DOWNLOAD DAT TEST RECORDER WATER DEPTH BURIED no download OK sw ung to shore by RPL#18 SITE ID OGGER TYPE DOWNLOAD DAT TEST RECORDER WATER DEPTH	y ice and	Tidbit 5 Apr YSI cm DIS FUNCTION debris LOCAT Tidbit 5 Apr YSI cm DIS	LOGGER 2016 DOV WATER SLODGED AL LOGGER 2016 DOV WATER	SERIAL : WNLOAD	# DTIME 2.4 DGGER COMIN d/s of # DTIME 2.4 COMIN	Moberly River 1069746 10:10 AIR TEMP ONDITIONS REASON HEIGHT ABOVE MENTS	5.0 WATER 5.0 5.0	CREW ICE COL	630 NDITIONS debris Cm TETHE so 630	BC BC BC	TE none alder 6229287

SITE ID LOGGER TYPE		VOL KIVE	ER TEMPE		- LIVIU							
		LOCAT	ION			of Pine River		BANK		ZIXIVIA I		
LUGUER I I FE	pineUP2	dbit		erri i						044	050	north
			LOGGER			10635062	<u> </u>	UTM		641	653	6225304
DOWNLOAD DAT			2016 DO			11:00		CREW		-1-1-1-	ВС	
TEST RECORDER	TYPE	YSI	WATER	RTEMP	3.0	AIR TEMP	5.0	ICECC	NDI	IONS		none
				LC		CONDITIONS						
WATER DEPTH	200	cm DI	SLODGED	no		REASON						
BURIED no		FUNCTION	IAL wet		IF DRY,	HEIGHT ABOVE	WATER		cm	TETHER	RTYPE	balsam pop
					COM	MENTS						
dow nload OK Stainless steel cal RPL#6	ble OK											
SITEID	pineUP1	LOCAT	ION		11/6	of Pine River		BANK		SOL	ıth	
LOGGER TYPE		dbit	LOGGER	SERIAL				UTM			034	6225372
DOWNLOAD DAT			2016 DO	_)	CREW		041	BC	
TEST RECORDER		YSI		RTEMP	3.5		5.0	ICECC	NDI	TIONS		none
						CONDITIONS		.5200				
WATER DEPTH	160	cm DI	SLODGED	no		REASON						
BURIED no		FUNCTION				HEIGHT ABOVE	WATER		cm	TETHER	RTYPE	alder
					COM	MENTS						
SITE ID p												
		U LOCAT	ION		d/s	of Pine River		BANK		SOL	uth	
LOGGER TYPE	Ti	dbit	LOGGER		#	9762095		UTM			362	6222823
LOGGER TYPE DOWNLOAD DAT	Ti E 18	dbit Apr	LOGGER 2015 DO	WNLOA	# DTIME	9762095 12:05		UTM CREW		648		TE
LOGGER TYPE DOWNLOAD DAT	Ti E 18	dbit	LOGGER 2015 DO	WNLOAD	# D TIME 4.2	9762095 12:05 AIR TEMP	5 6.0	UTM	DNDI	648	362	
LOGGER TYPE DOWNLOAD DAT FEST RECORDER	Ti E 18 TYPE	dbit Apr YSI	2015 DOI WATER	WNLOAD R TEMP LC	# D TIME 4.2 DGGER (9762095 12:05 AIR TEMP CONDITIONS		UTM CREW	ONDIT	648	362	TE
LOGGER TYPE DOWNLOAD DAT TEST RECORDER WATER DEPTH	Ti E 18 TYPE	dbit Apr YSI cm DI	LOGGER 2015 DOI WATER SLODGED	WNLOAD R TEMP LC	# D TIME 4.2 DGGER (9762095 12:05 AIR TEMP CONDITIONS REASON	6.0	UTM CREW ICE CC		648 FIONS	362 BC	TE none
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LOGGER TYPE		Tidbi	it	LOGGER	SERIAL		10676155		UTM	548	841	6209022
DOWNLOAD DA	ATE .	15	Jul 2	2016 DO	WNLOA	DTIME	10:58	3	CREW		ВС	TE
TEST RECORD	R TYPE	E	YSI	WATER	RTEMP	17.8	AIR TEMP	23	ICECON	NDITIONS		none
					LC	OGGER C	ONDITIONS					
WATER DEPT	Н	100	cm DISI	LODGED	no		REASON					
BURIED n)	FUI	NCTIONA	L wet			HEIGHT ABOVE	WATER		cm TETHE	RTYPE	steel buoy
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Dow nload OK Stainless steel (RPL#19	cable Of	<										
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BURIED n	0	FUI	NCTIONA	L wet			HEIGHT ABOVE	WATER		cm TETHE	RTYPE	rock
Back-up logger both dow nloads cable ok (stainl Primary Logger	OK ess stee	el cable	section at				around rock)					
SITEID	gms	DN1	LOCATIO	ON		GMS	Tailrace LDB		BANK	so	uth	
LOGGER TYPE		Tidbi		LOGGER			10635063		UTM	548	881	6207761
DOWNLOAD DA		15 =	Jul 2 YSI	2016 DO	WNLOAI RTEMP	10.9	12:00 AIR TEMP	20	CREW	NDITIONS	BC	TE none
. LO. RESORD			. 0,	.TATE			ONDITIONS		IOL COI	10110		.10110
WATER DEPT	H :	200	cm DISI		no		REASON					
BURIED n	0	FUI	NCTIONA	L wet			HEIGHT ABOVE	WATER		cm TETHE	RTYPE	rock
Back-up logger							MENTS					

BC HYDRO PEACE RIVER TEMPERATURE MONITORING - DOWNLOAD INFORMATION FO SITE ID pcnUP! LOCATION PCN Forebay BANK LOGGER TYPE Tidbit LOGGER SERIAL # 10635067 UTM 562684 DOWNLOAD DATE 15 Jul 2016 DOWNLOAD TIME 9:26 CREW BC T TEST RECORDER TYPE YSI WATER TEMP 9.8 AIR TEMP 18.0 ICE CONDITIONS LOGGER CONDITIONS WATER DEPTH 100 cm DISLODGED no REASON BURIED no FUNCTIONAL Wet IF DRY, HEIGHT ABOVE WATER cm TETHER TYPE COMMENTS download OK all stainless steel cable ok Rpl #10, SN 10635067	north 6204075
COGGER TYPE Tidbit LOGGER SERIAL # 10635067 UTM 562684 COWNLOAD DATE 15 Jul 2016 DOWNLOAD TIME 9:26 CREW BC T TEST RECORDER TYPE YSI WATER TEMP 9.8 AIR TEMP 18.0 ICE CONDITIONS LOGGER CONDITIONS WATER DEPTH 100 cm DISLODGED no REASON BURIED no FUNCTIONAL wet IF DRY, HEIGHT ABOVE WATER cm TETHER TYPE COMMENTS How nload OK Ill stainless steel cable ok	6204075 E none
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low nload OK Ill stainless steel cable ok	
STEID PORTON LOCATION DON'T-Three-	
SITE ID pcnDN2 LOCATION PCN Tailrace BANK LOGGER TYPE Tidbit LOGGER SERIAL # 10156317 UTM 562803	north 6204854
DOWNLOAD DATE 15 Jul 2016 DOWNLOAD TIME 9:43 CREW BCT	
	none
LOGGER CONDITIONS	
WATER DEPTH 150+ cm DISLODGED no REASON	
BURIED no FUNCTIONAL wet IF DRY, HEIGHT ABOVE WATER cm TETHER TYPE	rock
COMMENTS	
	north 6204854
DOWNLOAD DATE 15 Jul 2016 DOWNLOAD TIME 9:49 CREW BCT	
	none
LOGGER CONDITIONS	
WATER DEPTH 160 cm DISLODGED no REASON	
BURIED no FUNCTIONAL wet IF DRY, HEIGHT ABOVE WATER cm TETHER TYPE	rock
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DOWNLOAD DATE 7				ION		u/s of I	Halfway River		BANK			north
EST RECORDER TYPE YSI WATER TEMP 12.4 AIR TEMP 15 ICE CONDITIONS NATER DEPTH 30 cm DISLODGED yes REASON tampered BURIED no FUNCTIONAL wet IF DRY, HEIGHT ABOVE WATER cm TETHER TYPE Spruce COMMENTS COMMENTS COMMENTS TETED half UP! LOCATION Us of Heifway River COMMENTS TETED COMMENTS TETED STREEC ROBER TYPE YSI WATER TEMP 17.4 AIR TEMP 15 ICE CONDITIONS None COMMENTS WATER DEPTH 200 cm DISLODGED NO FENSY, HEIGHT ABOVE WATER CM TETHER TYPE Spruce tree COMMENTS TETED COMMENTS TETED COMMENTS TETED COMMENTS WATER TEMP 17.4 AIR TEMP 15 ICE CONDITIONS NONE COMMENTS WATER DEPTH 200 cm DISLODGED NO FENSY, HEIGHT ABOVE WATER CM TETHER TYPE SPRUCE tree COMMENTS TETED COMMENTS WATER TEMP 15.0 CM DISLODGED NO FENSY BEANK NORTH ORGAN COMMENTS WATER DEPTH 200 cm DISLODGED NO FENSY BEANK NORTH ORGAN COMMENTS WATER DEPTH 180 cm DISLODGED NO FENSY BEANK NORTH ORGAN COMMENTS WATER DEPTH 180 cm DISLODGED NO FENSY BEANK NORTH ORGAN COMMENTS WATER TEMP 15.0 AIR TEMP 15 ICE CONDITIONS NORE COMMENTS WATER DEPTH 180 cm DISLODGED NO FENSY BEANK NORTH ORGAN COMMENTS WATER DEPTH 180 cm DISLODGED NO FENSY BEANK NORTH ORGAN COMMENTS WATER DEPTH 180 cm DISLODGED NO FENSY BEANK NORTH ORGAN COMMENTS WATER DEPTH 180 cm DISLODGED NO FENSY BEANK NORTH ORGAN COMMENTS WATER DEPTH 180 cm DISLODGED NO FENSY BEANK NORTH ORGAN COMMENTS WATER DEPTH 180 cm DISLODGED NO FENSY BEANK NORTH ORGAN COMMENTS WATER DEPTH 180 cm DISLODGED NO FENSY BEANK NORTH ORGAN COMMENTS WATER DEPTH 180 cm DISLODGED NO FENSY BEANK NORTH ORGAN COMMENTS WATER DEPTH 180 cm DISLODGED NO FENSY BEANK NORTH ORGAN COMMENTS WATER DEPTH 180 cm DISLODGED NO FENSY BEANK NORTH ORGAN COMMENTS WATER DEPTH 180 cm DISLODGED NO FENSY BEANK NORTH ORGAN NORTH ORGAN COMMENTS WATER DEPTH 180 cm DISLODGED NO FENSY BEANK NORTH ORGAN COMMENTS WATER DEPTH 180 cm DISLODGED NO FENSY BEANK NORTH ORGAN COMMENTS WATER DEPTH 180 cm DISLODGED NO FENSY BEANK NORTH ORGAN COMMENTS WATER DEPTH 180 cm DISLODGED NO FENSY BEANK NORTH ORGAN COMMENTS WATER DEPTH 180 cm DISLODGED NO FEN	OGGER TYPE	Tidl	bit	LOGGE	R SERIAL #	#	10156319		UTM	5	95569	6230541
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OWN IDAD OK able OK Put fulled to shore and coiled ina pile ITEID half UPI LOCATION	BURIED no	FU	UNCTION	AL wet		IF DRY, H	HEIGHT ABOVE	WATER		cm TETI	HER TYPE	spruce
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LOGGER CONDITIONS WATER DEPTH 180 cm DISLODGED no REASON BURIED no FUNCTIONAL w et IF DRY, HEIGHT ABOVE WATER cm TETHER TYPE balsam po COMMENTS Ow nload failed on Jul 7, 2016, redeployed and successfully dow nloaded on July 9, 2016 at 16:51, 15.3C H2O	OGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no Townload failed on Jul tainless steel cable C	Tidl 7 7 PE 180 Ft 180 Ft 17, 2016	Jul YSI cm DIS	2016 D WATI	OWNLOAD ER TEMP LO	TIME 15.9 GGER CO	10669748 18:00 AIR TEMP DNDITIONS EASON HEIGHT ABOVE	15 WATER	UTM CREW ICE CO	nDITION	BC S	6232169 DC none
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SITEID	mobUP2	LOCAT	ION		u/s of	Moberly River		BANK				north	٦
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DOWNLOAD DATE			2016 DO			9:20)	CREW		021		TE	_
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logger gone from c	able - no	sign of deb	is, maybe fa	ailed claı	mp								
new logger RPL#1	3 SN 106	69754 deplo	oyed										
SITEID	mobUP1	LOCAT	ION		u/s of	Moberly River		BANK		so	uth		
LOGGER TYPE		Γidbit	LOGGER	SERIAL	#	10887852		UTM		627	158	6232349	
DOWNLOAD DATE			2016 DO		DTIME	9:36		CREW			BC	TE	
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		BU LOCAT		CEDIAL		Moberly River		BANK			uth	6220275	
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	neUP2	LOCATI				of Pine River		BANK			north
OGGER TYPE	Tidb	oit	LOGGER	SERIAL	#	10635062		UTM		641653	6225304
OWNLOAD DATE	7	Jul	2016 DO	WNLOAD	DTIME	10:15	5	CREW		ВС	TE
EST RECORDER TY	PE	YSI	WATE	RTEMP	13.1	AIR TEMP	15.0	ICECO	NDITIC	NS	none
				LC	OGGER C	CONDITIONS					
WATER DEPTH	200	cm DIS	SLODGED	no		REASON					
BURIED no	FU	INCTIONA	AL wet			HEIGHT ABOVE	WATER		cm TE	THER TYPE	balsam po
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ow nload OK stainless steel cable (RPL#6	OK										
I TEID pir	neUP1	LOCATI	ION		u/s	of Pine River		BANK		south	
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OOWNLOAD DATE	7	Jul	2016 DO	WNLOA	DTIME		5	CREW		ВС	TE
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tainless steel cable (OK DN1_BU	LOCATI		SERIAL		of Pine River		BANK		south	6222823
tainless steel cable (OK		ON LOGGER 2016 DO		#	10930722	0	BANK UTM CREW		648362	6222823 TE
ITE ID pinel OGGER TYPE OWNLOAD DATE	DN1_BU Tidb	oit	LOGGER 2016 DO		#	10930722 11:30	20.0	UTM	NDITIC	648362 BC	
ITE ID pinel OGGER TYPE OWNLOAD DATE EST RECORDER TY	DN1_BU Tidb 7	Jul YSI	LOGGER 2016 DO WATER	WNLOAD RTEMP LO	# D TIME 14.8 DGGER C	10930722 11:30 AIR TEMP CONDITIONS	-	UTM CREW	NDITIC	648362 BC	TE
ITE ID pinel OGGER TYPE OWNLOAD DATE EST RECORDER TY	DN1_BU Tidb 7 PE	Jul YSI	LOGGER 2016 DO WATER	WNLOAD	# D TIME 14.8 DGGER C	10930722 11:30 AIR TEMP CONDITIONS REASON	20.0	UTM CREW		648362 BC	TE none
ITE ID pinel OGGER TYPE OWNLOAD DATE EST RECORDER TY	DN1_BU Tidb 7 PE	Jul YSI	LOGGER 2016 DO WATER	WNLOAD RTEMP LO	# 14.8 DGGER C	10930722 11:30 AIR TEMP CONDITIONS REASON HEIGHT ABOVE	20.0	UTM CREW		648362 BC	TE
ITE ID pinel OGGER TYPE OWNLOAD DATE EST RECORDER TY	DN1_BU Tidb 7 PE	Jul YSI	LOGGER 2016 DO WATER	WNLOAD RTEMP LO	# 14.8 DGGER C	10930722 11:30 AIR TEMP CONDITIONS REASON	20.0	UTM CREW		648362 BC	TE none
SITE ID pinel OGGER TYPE OWNLOAD DATE EST RECORDER TY WATER DEPTH BURIED no	DN1_BU Tidb 7 PE 120	oit Jul YSI cm DIS	LOGGER 2016 DO WATEF SLODGED AL wet	WNLOAI R TEMP LC no	# 14.8 DGGER C	10930722 11:30 AIR TEMP CONDITIONS REASON HEIGHT ABOVE	20.0	UTM CREW		648362 BC	TE none
SITE ID pinel OGGER TYPE OWNLOAD DATE EST RECORDER TY WATER DEPTH BURIED NO	DN1_BU Tidb 7 PE 120	oit Jul YSI cm DIS	LOGGER 2016 DO WATEF SLODGED AL wet	WNLOAI R TEMP LC no	# 14.8 DGGER C	10930722 11:30 AIR TEMP CONDITIONS REASON HEIGHT ABOVE	20.0	UTM CREW		648362 BC	TE none
SITE ID pinel OGGER TYPE OWNLOAD DATE EST RECORDER TY WATER DEPTH BURIED no	DN1_BU Tidb 7 PE 120 FL	oit Jul YSI cm DIS	LOGGER 2016 DO WATEF SLODGED AL wet	WNLOAI R TEMP LC no	# 14.8 DGGER C	10930722 11:30 AIR TEMP CONDITIONS REASON HEIGHT ABOVE	20.0	UTM CREW		648362 BC	TE none
ITE ID pinel OGGER TYPE OWNLOAD DATE EST RECORDER TY WATER DEPTH BURIED no	DN1_BU Tidb 7 PE 120 FL	oit Jul YSI cm DIS	LOGGER 2016 DO WATEF SLODGED AL wet	WNLOAI R TEMP LC no	# 14.8 DGGER C	10930722 11:30 AIR TEMP CONDITIONS REASON HEIGHT ABOVE	20.0	UTM CREW		648362 BC	TE none
ITE ID pinel OGGER TYPE OWNLOAD DATE EST RECORDER TY WATER DEPTH BURIED no	DN1_BU Tidb 7 PE 120 FL	oit Jul YSI cm DIS	LOGGER 2016 DO WATEF SLODGED AL wet	WNLOAI R TEMP LC no	# 14.8 DGGER C	10930722 11:30 AIR TEMP CONDITIONS REASON HEIGHT ABOVE	20.0	UTM CREW		648362 BC	TE none
ITE ID pinel OGGER TYPE OWNLOAD DATE EST RECORDER TY WATER DEPTH BURIED no	DN1_BU Tidb 7 PE 120 FL	oit Jul YSI cm DIS	LOGGER 2016 DO WATEF SLODGED AL wet	WNLOAI R TEMP LC no	# 14.8 DGGER C	10930722 11:30 AIR TEMP CONDITIONS REASON HEIGHT ABOVE	20.0	UTM CREW		648362 BC	TE none
SITE ID pinel OGGER TYPE OWNLOAD DATE EST RECORDER TY WATER DEPTH BURIED no ogger lost in June 200 ew stainless steel co	DN1_BU Tidb 7 PE 120 FL	oit Jul YSI cm DIS	LOGGER 2016 DO WATER SLODGED AL wet	WNLOAI R TEMP LC no	# 14.8 OGGER C IF DRY,	10930722 11:30 AIR TEMP CONDITIONS REASON HEIGHT ABOVE	20.0	UTM CREW		648362 BC	TE none
SITE ID pinel OGGER TYPE OWNLOAD DATE EST RECORDER TY WATER DEPTH BURIED no ogger lost in June 20: ew stainless steel co	DN1_BU Tidb 7 PE 120 FL 16 flood,	Jul YSI Cm DIS INCTIONAL replaced	LOGGER 2016 DO WATER SLODGED AL wet	WNLOAL R TEMP LC	# D TIME 14.8 OGGER CIF DRY, COM	10930722 11:30 AIR TEMP CONDITIONS REASON HEIGHT ABOVE	20.0	UTM CREW ICE CO		648362 BCONS ETHER TYPE south 648101	TE none alder
ITE ID pinel OGGER TYPE OWNLOAD DATE EST RECORDER TY WATER DEPTH BURIED no ogger lost in June 20 ew stainless steel co	DN1_BU Tidb 7 PE 120 FL 16 flood, able	Jul YSI Cm DIS INCTIONA replaced LOCATI it Jul	LOGGER 2016 DO WATEF SLODGED AL wet with RPL#2	WNLOAI R TEMP LC no 29	# D TIME 14.8 OGGER COM COM	10930722 11:30 AIR TEMP CONDITIONS REASON HEIGHT ABOVE MENTS of Pine River 2226322 12:33	20.0 WATER	UTM CREW ICE CO	cm TE	south 648101 BC	alder 6222802
ITE ID pinel OGGER TYPE OWNLOAD DATE EST RECORDER TY WATER DEPTH BURIED no ogger lost in June 20 ew stainless steel co	DN1_BU Tidb 7 PE 120 FL 16 flood, able	Jul YSI Cm DIS INCTIONAL replaced	LOGGER 2016 DO WATEF SLODGED AL wet with RPL#2	WNLOAL R TEMP LC NO	# D TIME 14.8 OGGER C IF DRY, COM d/s # D TIME 15.1	10930722 11:30 AIR TEMP CONDITIONS REASON HEIGHT ABOVE MENTS of Pine River 2226322 12:33 AIR TEMP	20.0 WATER	UTM CREW ICE CO	cm TE	south 648101 BC	TE none alder
SITE ID pinel OGGER TYPE OWNLOAD DATE TEST RECORDER TY WATER DEPTH BURIED no ogger lost in June 20 oew stainless steel co	DN1_BU Tidb 7 PE 120 FL 16 flood, able	Jul YSI Cm DIS replaced LOCATI it Jul YSI	LOGGER 2016 DO WATEF SLODGED AL wet with RPL#2 ON LOGGER 2016 DO WATEF	WNLOAL R TEMP LC NO	# 14.8 OGGER C IF DRY, COM d/s # D TIME 15.1 OGGER C	AIR TEMP CONDITIONS REASON HEIGHT ABOVE MENTS Of Pine River 2226322 12:33 AIR TEMP CONDITIONS	20.0 WATER	UTM CREW ICE CO	cm TE	south 648101 BC	none alder 6222802
OGGER TYPE DOWNLOAD DATE EST RECORDER TY WATER DEPTH BURIED no ogger lost in June 20 new stainless steel ca	DN1_BU Tidb 7 PE 120 FL 16 flood, able neDN1 Tidb 7 PE	Jul YSI Cm DIS replaced LOCATI it Jul YSI	LOGGER 2016 DO WATEF SLODGED With RPL#2 ON LOGGER 2016 DO WATEF	WNLOAL R TEMP LC NO	# 14.8 OGGER C IF DRY, COM d/s # D TIME 15.1 OGGER C	AIR TEMP CONDITIONS REASON HEIGHT ABOVE MENTS Of Pine River 2226322 12:33 AIR TEMP CONDITIONS REASON REASON	20.0 WATER	UTM CREW ICE CO	Cm TE	south 648101 BC	alder 6222802 TE none
SITE ID pinel OGGER TYPE OOWNLOAD DATE TEST RECORDER TY WATER DEPTH BURIED no ogger lost in June 20 oew stainless steel co	DN1_BU Tidb 7 PE 120 FL 16 flood, able neDN1 Tidb 7 PE	TOTAL COMPANY	LOGGER 2016 DO WATEF SLODGED With RPL#2 ON LOGGER 2016 DO WATEF	WNLOAL R TEMP LC NO	# 14.8 OGGER C IF DRY, COM d/s # DTIME 15.1 OGGER C yes IF DRY,	AIR TEMP CONDITIONS REASON HEIGHT ABOVE MENTS Of Pine River 2226322 12:33 AIR TEMP CONDITIONS	20.0 WATER	UTM CREW ICE CO	Cm TE	south 648101 BC	TE none alder
DOWNLOAD DATE OGGER TYPE OWNLOAD DATE EST RECORDER TY WATER DEPTH BURIED no OGGER TYPE OWNLOAD DATE OGGER TYPE OWNLOAD DATE EST RECORDER TY WATER DEPTH UNITED PIPE OWNLOAD DATE OGGER TYPE OWNLOAD DATE OF TRECORDER TY	DN1_BU Tidb 7 PE 120 FL 16 flood, able neDN1 Tidb 7 PE	TOTAL COMPANY	LOGGER 2016 DO WATEF SLODGED With RPL#2 ON LOGGER 2016 DO WATEF	WNLOAL R TEMP LC NO	# 14.8 OGGER C IF DRY, COM d/s # DTIME 15.1 OGGER C yes IF DRY,	AIR TEMP CONDITIONS REASON HEIGHT ABOVE MENTS Of Pine River 2226322 12:33 AIR TEMP CONDITIONS REASON HEIGHT ABOVE	20.0 WATER	UTM CREW ICE CO	Cm TE	south 648101 BC	alder 6222802 TE none
DOWNLOAD DATE OGGER TYPE OWNLOAD DATE EST RECORDER TY WATER DEPTH BURIED no DITTE ID pir OGGER TYPE OWNLOAD DATE EST RECORDER TY WATER DEPTH EST RECORDER TY WATER DEPTH BURIED no OWNLOAD DATE EST RECORDER TY WATER DEPTH BURIED no	DN1_BU Tidb 7 PE 120 FL 16 flood, able neDN1 Tidb 7 PE	Jul YSI Cm DISINCTIONA replaced LOCATI it Jul YSI Cm DISINCTIONA	LOGGER 2016 DO WATEF SLODGED AL wet ON LOGGER 2016 DO WATEF	WNLOAL R TEMP LC NO	# 14.8 OGGER C IF DRY, COM d/s # DTIME 15.1 OGGER C yes IF DRY,	AIR TEMP CONDITIONS REASON HEIGHT ABOVE MENTS Of Pine River 2226322 12:33 AIR TEMP CONDITIONS REASON HEIGHT ABOVE	20.0 WATER	UTM CREW ICE CO	Cm TE	south 648101 BC	alder 6222802 TE none
ITE ID pinel OGGER TYPE OWNLOAD DATE EST RECORDER TY WATER DEPTH BURIED no DITE ID pirel OGGER TYPE OWNLOAD DATE EST RECORDER TY WATER DEPTH EST RECORDER TY WATER DEPTH BURIED no OWNLOAD DATE EST RECORDER TY WATER DEPTH BURIED no OWNLOAD OK artially sw ung to sho	DN1_BU Tidb 7 PE 120 FL 16 flood, able neDN1 Tidb 7 PE	Jul YSI Cm DISINCTIONA replaced LOCATI it Jul YSI Cm DISINCTIONA	LOGGER 2016 DO WATEF SLODGED AL wet ON LOGGER 2016 DO WATEF	WNLOAL R TEMP LC NO	# 14.8 OGGER C IF DRY, COM d/s # DTIME 15.1 OGGER C yes IF DRY,	AIR TEMP CONDITIONS REASON HEIGHT ABOVE MENTS Of Pine River 2226322 12:33 AIR TEMP CONDITIONS REASON HEIGHT ABOVE	20.0 WATER	UTM CREW ICE CO	Cm TE	south 648101 BC	alder 6222802 TE none
TTE ID pinel OGGER TYPE OWNLOAD DATE EST RECORDER TY WATER DEPTH BURIED no ITE ID pirel OGGER TYPE OWNLOAD DATE EST RECORDER TY WATER DEPTH BURIED pirel OWNLOAD DATE EST RECORDER TY WATER DEPTH BURIED no OWNLOAD DATE OWNLO	DN1_BU Tidb 7 PE 120 FL 16 flood, able neDN1 Tidb 7 PE	Jul YSI Cm DISINCTIONA replaced LOCATI it Jul YSI Cm DISINCTIONA	LOGGER 2016 DO WATEF SLODGED AL wet ON LOGGER 2016 DO WATEF	WNLOAL R TEMP LC NO	# 14.8 OGGER C IF DRY, COM d/s # DTIME 15.1 OGGER C yes IF DRY,	AIR TEMP CONDITIONS REASON HEIGHT ABOVE MENTS Of Pine River 2226322 12:33 AIR TEMP CONDITIONS REASON HEIGHT ABOVE	20.0 WATER	UTM CREW ICE CO	Cm TE	south 648101 BC	alder 6222802 TE none
ITE ID pinel OGGER TYPE OWNLOAD DATE EST RECORDER TY WATER DEPTH BURIED no ITE ID pirel OGGER TYPE OWNLOAD DATE EST RECORDER TY WATER DEPTH BURIED pirel OWNLOAD DATE EST RECORDER TY WATER DEPTH BURIED no DOWNLOAD DATE OWNLOAD DATE OWNL	DN1_BU Tidb 7 PE 120 FL 16 flood, able neDN1 Tidb 7 PE	Jul YSI Cm DISINCTIONA replaced LOCATI it Jul YSI Cm DISINCTIONA	LOGGER 2016 DO WATEF SLODGED AL wet ON LOGGER 2016 DO WATEF	WNLOAL R TEMP LC NO	# 14.8 OGGER C IF DRY, COM d/s # DTIME 15.1 OGGER C yes IF DRY,	AIR TEMP CONDITIONS REASON HEIGHT ABOVE MENTS Of Pine River 2226322 12:33 AIR TEMP CONDITIONS REASON HEIGHT ABOVE	20.0 WATER	UTM CREW ICE CO	Cm TE	south 648101 BC	alder 6222802 TE none

BC F	IYDRC	PEAC	E RIVER	R TEMPE	RATU	RE MON	IITORING - [OOWNL	OAD II	NFORM.	TION F	ORM
SITEID			LOCATION				S Forebay		BANK			
LOGGER TYPI		Tidb	it	LOGGER	SERIAL		10676155		UTM	54	18841	6209022
DOWNLOAD D	ATE	15	Jul	2016 DO	WNLOAI	DTIME	10:58	3	CREW		ВС	TE
TEST RECORD	ER TYF	PE	YSI	WATER	RTEMP	17.8	AIR TEMP	23	ICECO	NDITIONS		none
					LC	OGGER CO	ONDITIONS					
WATER DEP	ГН	100	cm DIS I	LODGED	no	R	REASON					
BURIED	10	FU	NCTIONA	L wet			HEIGHT ABOVE	WATER		cm TETH	ER TYPE	steel buoy
						COMN	IENTS					
Dow nload OK Stainless steel RPL#19	cable C)K										
OITEID		- L IDO							D. A. A. W. C.			
SITE ID LOGGER TYPI		sUP2 Tidbi	LOCATIO	on Logger	CEDIAL		S Forebay		BANK		10044	6200022
DOWNLOAD D		15		2016 DO			10676160	3	UTM	54	18841 BC	6209022 TF
TEST RECORD			YSI		RTEMP	17.5	AIR TEMP	23		NDITIONS		none
					LC	OGGER CO	ONDITIONS					
WATER DEP		10 m		LODGED	no		REASON	14/4 TED		TET.	ED TVDE	
BURIED r	10	FU	NCTIONA	L wet		IF DRY, F	HEIGHT ABOVE	WATER		cm TETH	ER TYPE	steel buoy
SITE ID LOGGER TYPI DOWNLOAD E TEST RECORL	ATE ER TYF		Oct :	LOGGER 2016 DO WATER	WNLOAI R TEMP	# D TIME 7 DGGER CO	Tailrace RDB 10669739 11:32 AIR TEMP DNDITIONS	2 -3	BANK UTM CREW ICE CO	54	18828 BC	north 6207836 TE none
WATER DEP		200	cm DISI		no		REASON HEIGHT ABOVE	MATER		TET		
BURIED	10	FU	NCTIONA	L wet		COM N		WATER		cm TETH	ERITPE	rock
Back-up logger both dow nload cable ok (stair Primary Logger	s OK less ste	eel cable	section a				around rock)					
SITEID		sDN1	LOCATION				Tailrace LDB		BANK		outh	
LOGGER TYPI		Tidbi		LOGGER			10635063	-	UTM	54	18881 P.C	6207761
DOWNLOAD D		31 PE	Oct :	2016 DO	WNLOAI RTEMP	8.1	11:45 AIR TEMP	-3	CREW	NDITIONS	BC	none
							ONDITIONS		.52.00			
WATER DEP	ГН	200	cm DIS I		no	R	REASON					
BURIED 1	10	FU	NCTIONA	L wet		IF DRY, I	HEIGHT ABOVE	WATER		cm TETH	ER TYPE	rock
Back-up logger		N1-BU 20	38613 in s	same caps	ule 11:46							

BC HYDRO	PEACE R	IVER IEMPE	ENATURE IV	IONI I OKII	10 - 00	JIVINL	OAD II	11 01	ZIAIYII) \
		CATION		PCN Foreba			BANK				north
OGGER TYPE	Tidbit	LOGGER	SERIAL #	106	35067		UTM		56268	34	6204075
OWNLOAD DATE	31 Oc		WNLOAD TIM	E	10:39		CREW			BC 1	ΓE
EST RECORDER TYP	E YS	SI WATE		.1 AIRT		-2.0	ICECO	NDITI	ONS		none
			LOGGE	RCONDITIO	NS						
WATER DEPTH	100 cm	DISLODGED	no	REASON							
BURIED no	FUNCT	IONAL wet	IF DE	RY, HEIGHT	ABOVEW	VATER		cm T	TETHER T	YPE	log boon
			CC	DMMENTS							
ow nload OK Il stainless steel cable Rpl #10, SN 10635067	ok										
ITEID non	DND LOG	ATION		DOLLT "			DANK				
OGGER TYPE	DN2 LOC	LOGGER	SERIAL #	PCN Tailrad	ce 56317		BANK UTM		56280	13	north 6204854
OOGGEN TIPE	31 Oc		WNLOAD TIM		10:16		CREW		J020U	BC1	
EST RECORDER TYP	-			.7 AIR T		-2.0	ICECO	NDITI	ONS		none
				R CONDITIO							
		DISLODGED	no	REASON							
BURIED no	FUNCT	IONAL wet		RY, HEIGHT A	ABOVEW	VATER		cm T	TETHER T	YPE	rock
1 172											
SITE ID pcnDN OGGER TYPE OOWNLOAD DATE	N2_BU LOO Tidbit 31 Oo	LOGGER et 2016 DO	SERIAL #	E	35061 10:21	20	BANK UTM CREW	AIDITI	56280	BC 1	
SITE ID pcnDN OGGER TYPE OOWNLOAD DATE	Tidbit 31 Oc	LOGGER et 2016 DO	WNLOAD TIM R TEMP 7.	106 E .7 AIR T	35061 10:21 EMP	-2.0	UTM	NDITI		BC 1	6204854
DOWNLOAD DATE TEST RECORDER TYPE	Tidbit 31 Oct E YS	LOGGER et 2016 DO BI WATER	WNLOAD TIM R TEMP 7.	106	35061 10:21 EMP	-2.0	UTM CREW	NDITI		BC 1	6204854 ГЕ
DOWNLOAD DATE SET RECORDER TYPE	Tidbit 31 Oct E YS	LOGGER 2016 DO WATE	WNLOAD TIM R TEMP 7. LOGGE	106 E .7 AIR T R CONDITIO	10:21 EMP		UTM CREW			BC 1	6204854 TE none
SITE ID pcnDi LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH	Tidbit 31 Oc E YS	LOGGER 2016 DO WATE	WNLOAD TIM R TEMP 7. LOGGE no IF DE	106 E .7 AIR T	10:21 EMP		UTM CREW		ONS	BC 1	6204854 ГЕ
COMMINICATION DEPTH BURIED NO download OK all stainless steel cable Anchored to same rock	Tidbit 31 Oct E YS 200 cm FUNCT	LOGGER 2016 DO WATE	WNLOAD TIM R TEMP 7. LOGGE no IF DE	106 REASON RY, HEIGHT	10:21 EMP		UTM CREW		ONS	BC 1	6204854 TE none
COMPLETED PONDATE COWNLOAD DATE CEST RECORDER TYPE WATER DEPTH BURIED NO How nload OK all stainless steel cable Anchored to same rock Repl #9, SN10635061	Tidbit 31 Oo E YS 200 cm FUNCT	LOGGER ct 2016 DO SI WATER DISLODGED ONAL wet	WILOAD TIMER TEMP 7. LOGGE NO IF DE	106 REASON RY, HEIGHT	10:21 EMP		UTM CREW ICE CO		ONS	BC 1	6204854 TE none
OGGER TYPE OOWNLOAD DATE EST RECORDER TYPE WATER DEPTH BURIED no OW nload OK Ill stainless steel cable conchored to same rock pl #9, SN10635061	Tidbit 31 Oo E YS 200 cm FUNCT	LOGGER et 2016 DO SI WATE DISLODGED IONAL W et	WILOAD TIMER TEMP 7. LOGGE NO IF DE CCC	TOGE TOGE	10:21 EMP		UTM CREW ICE CO		ONS	BC 1	6204854 TE none
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH BURIED no OW nload OK Ill stainless steel cable conchored to same rock ppl #9, SN10635061 BITE ID OGGER TYPE OWNLOAD DATE	Tidbit 31 Oo E YS 200 cm FUNCTI	LOGGER et 2016 DO SI WATE DISLODGED IONAL W et CATION LOGGER DO	NONLOAD TIMER TEMP 7. LOGGE NO IF DE CO SERIAL # WNLOAD TIMER	TOGE TOGE	335061 10:21 EM P INS ABOVE W		UTM CREW ICE CO	cm 1	TETHER T	BC 1	6204854 TE none
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH BURIED no OW nload OK Ill stainless steel cable conchored to same rock ppl #9, SN10635061 BITE ID OGGER TYPE OWNLOAD DATE	Tidbit 31 Oo E YS 200 cm FUNCT	LOGGER et 2016 DO SI WATE DISLODGED IONAL W et CATION LOGGER DO	NONLOAD TIMER TEMP 7. LOGGE NO IF DE CO SERIAL # WNLOAD TIMER TEMP	TOGE TOGE	335061 10:21 EM P INS ABOVE W		UTM CREW ICE CO	cm 1	TETHER T	BC 1	6204854 TE none
COMPLETED PONDATE COWNLOAD DATE CEST RECORDER TYPE WATER DEPTH BURIED NO HOW INCOME STEEL CABLE Anchored to same rock Roll #9, SN10635061 SITE ID LOGGER TYPE DOWNLOAD DATE	Tidbit 31 Oct E YS 200 cm FUNCTI	LOGGER et 2016 DO SI WATE DISLODGED IONAL W et CATION LOGGER DO	NONLOAD TIMER TEMP 7. LOGGE NO IF DE CO SERIAL # WNLOAD TIMER TEMP	TOGE TOGE	335061 10:21 EM P INS ABOVE W		UTM CREW ICE CO	cm 1	TETHER T	BC 1	6204854 TE none
COMPLETED PONDATE COMMINICATION PONDATE COM	Tidbit 31 Oct E YS 200 cm FUNCTI	LOGGER ct 2016 DO SI WATER DISLODGED ONAL Wet CATION LOGGER DO WATER	NONLOAD TIMER TEMP 7. LOGGE NO IF DE CO SERIAL # WNLOAD TIMER TEMP LOGGE	TOO E T T T T T T T T T T T T	EMP	VATER	BANK UTM CREW ICE CO	cm 1	TETHER T	BCT	6204854 TE none
COMMINION DEPTH BURIED NO SITE ID COWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED NO SITE ID COGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH	Tidbit 31 Oo E YS 200 cm FUNCTI	LOGGER ct 2016 DO SI WATER DISLODGED ONAL Wet CATION LOGGER DO WATER	SERIAL # WNLOAD TIM R TEMP 7. LOGGE NO IF DE SERIAL # WNLOAD TIM R TEMP LOGGE	E AIR T R CONDITION REASON	EMP	VATER	BANK UTM CREW ICE CO	cm 1	ONS TETHER T	BCT	6204854 TE none
COMMINION DEPTH BURIED NO SITE ID COWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED NO SITE ID COGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH	Tidbit 31 Oo E YS 200 cm FUNCTI	LOGGER ct 2016 DO SI WATER DISLODGED ONAL Wet CATION LOGGER DO WATER	SERIAL # WNLOAD TIM R TEMP 7. LOGGE NO IF DE SERIAL # WNLOAD TIM R TEMP LOGGE	TOO E T T T T T T T T T T T T	EMP	VATER	BANK UTM CREW ICE CO	cm 1	ONS TETHER T	BCT	6204854 TE none
CONTEID PONDATE COMMILOAD DATE EST RECORDER TYPE WATER DEPTH BURIED NO LOW NIOAD OK All stainless steel cable Anchored to same rock RPI #9, SN10635061 BITE ID COGGER TYPE DOWNLOAD DATE EST RECORDER TYPE WATER DEPTH	Tidbit 31 Oo E YS 200 cm FUNCTI	LOGGER ct 2016 DO SI WATER DISLODGED ONAL Wet CATION LOGGER DO WATER	SERIAL # WNLOAD TIM R TEMP 7. LOGGE NO IF DE SERIAL # WNLOAD TIM R TEMP LOGGE	TOO E T T T T T T T T T T T T	EMP	VATER	BANK UTM CREW ICE CO	cm 1	ONS TETHER T	BCT	6204854 TE none
COMMINICATION OF THE PROPERTY	Tidbit 31 Oo E YS 200 cm FUNCTI	LOGGER ct 2016 DO SI WATER DISLODGED ONAL Wet CATION LOGGER DO WATER	SERIAL # WNLOAD TIM R TEMP 7. LOGGE NO IF DE SERIAL # WNLOAD TIM R TEMP LOGGE	TOO E T T T T T T T T T T T T	EMP	VATER	BANK UTM CREW ICE CO	cm 1	ONS TETHER T	BCT	6204854 TE none
COMMICOAD DATE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED NO HOW INCOME STEEL CABLE Anchored to same rock Rpl #9, SN10635061 BITE ID LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH	Tidbit 31 Oo E YS 200 cm FUNCTI	LOGGER ct 2016 DO SI WATER DISLODGED ONAL Wet CATION LOGGER DO WATER	SERIAL # WNLOAD TIM R TEMP 7. LOGGE NO IF DE SERIAL # WNLOAD TIM R TEMP LOGGE	TOO E T T T T T T T T T T T T	EMP	VATER	BANK UTM CREW ICE CO	cm 1	ONS TETHER T	BCT	6204854 TE none
OGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no download OK all stainless steel cable Anchored to same rock Rpl #9, SN10635061 SITE ID OGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH	Tidbit 31 Oo E YS 200 cm FUNCTI	LOGGER ct 2016 DO SI WATER DISLODGED ONAL Wet CATION LOGGER DO WATER	SERIAL # WNLOAD TIM R TEMP 7. LOGGE NO IF DE SERIAL # WNLOAD TIM R TEMP LOGGE	TOO E T T T T T T T T T T T T	EMP	VATER	BANK UTM CREW ICE CO	cm 1	ONS TETHER T	BCT	6204854 TE none

	O PEACE		IEMPERA	LUKE MON	11()KIN(+ - 1)	OWNI	OAD IN	F()KIVIA I	ION = 0	ORM
		CATION			Halfway River	<u> </u>	BANK			north
LOGGER TYPE	Tidbit		OGGER SERI		10156319		UTM	5955	569	6230541
DOWNLOAD DATE	10		16 DOWNL		12:35		CREW	000	ВС	
TEST RECORDER TY	PE '	YSI	WATER TEN	/P 8.5	AIR TEMP	0		IDITIONS		none
				LOGGER CO	ONDITIONS					
WATER DEPTH	20 cr	n DISLO	DDGED	yes R	EASON tampe	red				
BURIED no	FUNC	TIONAL	w et	IF DRY. F	HEIGHT ABOVE V	VATER		m TETHER	RTYPE	spruce
				COMM						эргисс
dow nload OK cable OK RPL#1 pulled to shore, w et a	at high flows									
SITE ID ha	alf UP1 L (CATION			Halfway River		BANK	SOU		0000001
DOWNLOAD DATE			OGGER SERI		9767573 12:50		UTM CREW	595	165 BC	6230094 SC
TEST RECORDER TY		201 20 YSI	WATER TEN		AIR TEMP	0		IDITIONS	ъс	none
				LOGGER CO		j	.02.001			
WATER DEPTH	300 cr	n DISLO	DOGED no		EASON					
BURIED no	FUNC	TIONAL	w et		HEIGHT ABOVE V	VATER	(m TETHER	RTYPE	spruce tree
				COMM	IENTS					
		OCATION			Halfway River		BANK	508	108	north
LOGGER TYPE	Tidbit	L	OGGER SERI	AL#	Halfw ay River 10669748 12:09		BANK UTM CREW	598	198 BC	6232169
LOGGER TYPE DOWNLOAD DATE	Tidbit	L	OGGER SERI	AL# OADTIME	10669748	0	UTM CREW	598°		6232169
LOGGER TYPE DOWNLOAD DATE	Tidbit 10 (Oct 20 YSI	OGGER SERI 116 DOWNL WATER TEN	AL# OADTIME	10669748 12:09 AIR TEMP	0	UTM CREW			6232169 SC
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH	Tidbit 10 PE 200 cr	Dct 20 YSI	OGGER SERI 116 DOWNL WATER TEN	AL # OAD TIME MP 6.4 LOGGER CO	10669748 12:09 AIR TEMP DNDITIONS EASON		UTM CREW	IDITIONS	ВС	6232169 SC none
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TY	Tidbit 10 PE 200 cr	Oct 20 YSI	OGGER SERI 116 DOWNL WATER TEN	AL # OAD TIME MP 6.4 LOGGER CO R IF DRY, H	10669748 12:09 AIR TEMP DNDITIONS EASON HEIGHT ABOVE V		UTM CREW ICE CON		ВС	6232169 SC
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH	Tidbit 10 PE 200 cr	Dct 20 YSI	OGGER SERI 116 DOWNL WATER TEN	AL # OAD TIME MP 6.4 LOGGER CO	10669748 12:09 AIR TEMP DNDITIONS EASON HEIGHT ABOVE V		UTM CREW ICE CON	IDITIONS	ВС	6232169 SC none
LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no stainless steel cable C Rpl #15, SN 1066974	Tidbit 10 PE 200 cr FUNC OK 8	L 200 YSI TIONAL	OGGER SERI 116 DOWNL WATER TEM DDGED no wet	AL# OAD TIME MP 6.4 LOGGER CC O R IF DRY, F COMM	10669748 12:09 AIR TEMP DNDITIONS EASON HEIGHT ABOVE VIENTS Half w ay River 10156314		UTM CREW ICE CON	IDITIONS	BC RTYPE	6232169 SC none balsam pop
DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED NO Stainless steel cable C Rpl #15, SN 1066974 SITE ID half I LOGGER TYPE DOWNLOAD DATE	Tidbit 10 PE 200 cr FUNC OK 8	DCATIONAL Li Doct 200	OGGER SERI 116 DOWNL WATER TEN DDGED no wet	AL# OAD TIME MP 6.4 LOGGER CC O R IF DRY, F COMM d/s of F	10669748 12:09 AIR TEMP DNDITIONS EASON HEIGHT ABOVE VIENTS		UTM CREW ICE CON	IDITIONS TETHER 598	BC RTYPE	6232169 SC none balsam pop
DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED NO Stainless steel cable C Rpl #15, SN 1066974 SITE ID half I LOGGER TYPE DOWNLOAD DATE	Tidbit 10 PE 200 cr FUNC OK 8	L 200 YSI TIONAL	OGGER SERI 116 DOWNL WATER TEM DDGED no wet OGGER SERI 116 DOWNL	AL# OAD TIME MP 6.4 LOGGER CC O R IF DRY, F COMM d/s of F	10669748 12:09 AIR TEMP DNDITIONS EASON HEIGHT ABOVE VIENTS Halfway River 10156314 12:20 AIR TEMP	VATER	UTM CREW ICE CON	IDITIONS TETHER	BC RTYPE	6232169 SC none balsam pop
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DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH BURIED no Stainless steel cable (Rpl #15, SN 1066974 SITE ID half I LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE WATER DEPTH	Tidbit 10 0 PE 200 cr FUNC OK 8 DN2_BU L(Tidbit 10 0 PE 3	DCATIONAL DISLO OCATION L OCT OCT OCT OCT OCT OCT OCT	OGGER SERI 16 DOWNL WATER TEM DOGED no wet OGGER SERI 16 DOWNL WATER TEM DOGED	AL# OAD TIME MP 6.4 LOGGER CC O R IF DRY, F COMM d/s of F AL# OAD TIME MP 6.4 LOGGER CC yes R	AIR TEMP DINDITIONS Halfway River 10156314 12:20 AIR TEMP DINDITIONS HALF TEMP DINDITIONS HALF TEMP DINDITIONS HALF TEMP DINDITIONS HALF TEMP HALF TEMP DINDITIONS HALF TEMP HALF TEMP DINDITIONS HALF TEMP HA	VATER 0	BANK UTM CREW ICE CON CREW ICE CON	598°	BC RTYPE	6232169 SC none balsam pop north 6263144 SC none
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		CATION		f Moberly River	BAI			north
LOGGER TYPE	Tidbit		SERIAL #	10669754	UTI		627501	6232563
DOWNLOAD DATE	13 O	ct 2016 DO	WNLOADTIME	12:29	CRI	EW	ВС	
TEST RECORDER TYP	PE Y	SI WATER	R TEMP 7.8	AIR TEMP	3.0 ICE	CONDI	TIONS	none
			LOGGER C	ONDITIONS				
WATER DEPTH	150 cm	DISLODGED	no	REASON				unk
BURIED no	FUNCT	IONAL wet	IF DRY.	HEIGHT ABOVE WA	ATER	cm	TETHER TYPE	spruce
			-	MENTS				эргиос
ogger RPL#16 SN 106 download ok anchor needs upgrade SITE ID mol LOGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE	bUP1 LO	CATION LOGGER ct 2016 DO	SERIAL # WNLOAD TIME R TEMP 8.2	f Moberly River 10887852 12:43 AIR TEMP -	BAI UTI CRI 3.0 ICE	Л	south 627158 BC TIONS	6232349 TE none
WATER DEPTH	160 cm	DISLODGED		REASON				
BURIED no		IONAL wet		HEIGHT ABOVE WA	ATER	cm	TETHER TYPE	alder
				MENTS				
	N1_BU LO			f Moberly River	BAI		south	
LOGGER TYPE	Tidbit	LOGGER	SERIAL #	10676147	UTI	Л	630875	6229275
OGGER TYPE	Tidbit 13 O	LOGGER ct 2016 DO	SERIAL # WNLOAD TIME	10676147 13:02	UTI	⁄I ≣W	630875 BC	TE
OGGER TYPE	Tidbit 13 O	LOGGER ct 2016 DO	SERIAL # WNLOAD TIME R TEMP 7.6	10676147 13:02	UTI	Л	630875 BC	
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OGGER TYPE DOWNLOAD DATE TEST RECORDER TYPE	Tidbit 13 O PE Me	LOGGER ct 2016 DO erc WATER	SERIAL # WNLOAD TIME R TEMP 7.6 LOGGER 0	10676147 13:02 AIR TEMP -	UTI CR 3.0 ICE	⁄I ≣W	630875 BC TIONS	TE
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OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH BURIED NO OWNLOAD OK RPL#18 SITE ID MOI OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH	Tidbit 13 O PE Me 180 cm FUNCT bDN1 Lot Tidbit 13 O E Me	CATION LOGGER Ct 2016 DO PTC WATER CATION LOGGER Ct 2016 DO PTC WATER	SERIAL # WNLOAD TIME R TEMP 7.6 LOGGER C NO IF DRY, COM d/s o SERIAL # WNLOAD TIME R TEMP 7.5 LOGGER C NO IF DRY,	I 10676147 I 13:02 AIR TEMP CONDITIONS REASON HEIGHT ABOVE W. MENTS I 10669746 I 12:56 AIR TEMP CONDITIONS REASON HEIGHT ABOVE W. HEIGHT ABOVE W. HEIGHT ABOVE W.	ATER BAI UTI CRI 3.0 ICE	CONDI	South 630776 BC	TE none alder 6229287 TE none
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OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH BURIED NO OWNLOAD OK PL#18 ITE ID MOI OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH BURIED NO OWNLOAD OK	Tidbit 13 O PE Me 180 cm FUNCT FUNCT	CATION LOGGER Ct 2016 DO PTC WATER CATION LOGGER Ct 2016 DO PTC WATER	SERIAL # WNLOAD TIME R TEMP 7.6 LOGGER C NO IF DRY, COM d/s o SERIAL # WNLOAD TIME R TEMP 7.5 LOGGER C NO IF DRY,	I 10676147 I 13:02 AIR TEMP CONDITIONS REASON HEIGHT ABOVE W. MENTS I 10669746 I 12:56 AIR TEMP CONDITIONS REASON HEIGHT ABOVE W. HEIGHT ABOVE W. HEIGHT ABOVE W.	ATER BAI UTI CRI 3.0 ICE	CONDI	South 630776 BC	TE none alder 6229287 TE none

DOWNLOAD DATE	Pine River BANK north	MONITORING	ERATURE N	ER TEMPE	CE RIVE	JRO PEA	BC HYD
LOGGER TYPE TIDDIT 10 Oct 2016 DOWNLOAD TIME 13:25 CREW BC TEST RECORDER TYPE Merc WATER TEMP 8.0 AIR TEMP -3.0 ICE CONDITIONS WATER DEPTH 300 cm DISLODGED no REASON COMMENTS STEID PINEUPH LOCATION WATER TEMP 7.6 AIR TEMP -3.0 ICE CONDITIONS WATER DEPTH 300 cm DISLODGED NO REASON COMMENTS STEID PINEUPH LOCATION Wet 16 DOWNLOAD TIME 13:25 CREW BC TEST RECORDER TYPE Merc WATER TEMP 7.6 AIR TEMP -3.0 ICE CONDITIONS WATER DEPTH 10 0 FUNCTIONAL WET 10 TEMPORAL WATER COMMENTS STEID PINEUPH LOCATION WATER TEMP 7.6 AIR TEMP -3.0 ICE CONDITIONS NOT TEMPORAL WET 15 DOWNLOAD TIME 13:25 CREW BC TEST RECORDER TYPE MERC WATER TEMP 7.6 AIR TEMP -3.0 ICE CONDITIONS WATER DEPTH 160 cm DISLODGED NO REASON DISCOMMENTS WATER DEPTH 160 cm DISLODGED NO REASON DISCOMMENTS STEID PINEUPH 160 CM DISLODGED NO REASON DISCOMMENTS WATER DEPTH 160 CM DISLODGED NO REASON DISCOMMENT DISCOMMEN							
OWNLOAD DATE 13 Oct 2016 DOWNLOAD TIME 13:25 CREW BC TE EST RECORDER TYPE Merc WATER TEMP 8.0 AIR TEMP -3.0 ICE CONDITIONS no WATER DEPTH 300 cm DISLODGED no REASON BURIED no FUNCTIONAL wet IF DRY, HEIGHT ABOVE WATER cm TETHER TYPE b. COMMENTS OWNLOAD DATE 13 Oct 2016 DOWNLOAD TIME 13:25 CREW BC TE EST RECORDER TYPE TIGIBLE CONDITIONS WATER DEPTH 160 cm DISLODGED no REASON WATER DEPTH 160 cm DISLODGED no REASON WATER DEPTH 160 cm DISLODGED no REASON FUNCTIONAL wet IF DRY, HEIGHT ABOVE WATER cm TETHER TYPE COMMENTS OWN IDAG OK WATER DEPTH 160 cm DISLODGED no REASON BURIED no FUNCTIONAL wet IF DRY, HEIGHT ABOVE WATER cm TETHER TYPE OWN IDAG OK WATER DEPTH 160 cm DISLODGED no REASON FUNCTIONAL wet IF DRY, HEIGHT ABOVE WATER cm TETHER TYPE COMMENTS OWN IDAG OK WATER TEMP 7.0 AIR TEMP 3.0 ICE CONDITIONS WATER DEPTH 160 cm DISLODGED no REASON FUNCTIONAL wet IF DRY, HEIGHT ABOVE WATER cm TETHER TYPE COMMENTS OWN IDAG OK WATER TEMP 5.4 AIR TEMP -3.0 ICE CONDITIONS COMMENTS OWN IDAG OK WATER TEMP 5.4 AIR TEMP -3.0 ICE CONDITIONS COMMENTS OWN IDAG OK WATER DEPTH 160 cm DISLODGED no REASON DOWN IDAG OK WATER TEMP 5.4 AIR TEMP -3.0 ICE CONDITIONS COMMENTS WATER DEPTH 160 cm DISLODGED no REASON DOWN IDAG OK WATER DEPTH 160 cm DISLODGED no REASON WATER DEPTH 160	311000 3220004					•	GER TYPE
MATER DEPTH 300 cm DISLODGED no REASON BURIED no FUNCTIONAL wet IF DRY, HEIGHT ABOVE WATER cm TETHER TYPE by COMMENTS TITE ID pineUP! LOCATION U/S of Pine River BANK SOUTH COGGER TYPE Merc WATER TEMP 7.6 AIR TEMP -3.0 ICE CONDITIONS no REASON BANK SOUTH COMMENTS TITE ID pineUP! LOCATION U/S of Pine River BANK SOUTH COGGER TYPE Merc WATER TEMP 7.6 AIR TEMP -3.0 ICE CONDITIONS no REASON BANK SOUTH COMMENTS TITE ID pineUP! LOCATION U/S of Pine River BANK SOUTH COMMENTS REST RECORDER TYPE Merc WATER TEMP 7.6 AIR TEMP -3.0 ICE CONDITIONS no REASON BANK SOUTH COMMENTS WATER DEPTH 160 cm DISLODGED no REASON BURIED no FUNCTIONAL Wet IF DRY, HEIGHT ABOVE WATER cm TETHER TYPE COMMENTS TITE ID pineDN1_BU LOCATION	13:25 CREW BC TE				Oct	E 13	VNLOAD DATI
LOGGER CONDITIONS WATER DEPTH 300 cm DISLODGED no REASON BURIED no FUNCTIONAL wet IF DRY, HEIGHT ABOVE WATER cm TETHER TYPE b. COMMENTS TITE ID pineUP1 LOCATION							
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BURIED NO FUNCTIONAL WET IF DRY, HEIGHT ABOVE WATER CM TETHER TYPE by COMMENTS OWN fload OK tainless steel cable OK PL#6 ITEID pineUP1 LOCATION				SI ODGED	cm Di	300	ATER DEPTH
OWN IOAD DATE 13 OCT 2016 DOWNLOAD TIME 13:25 CREW BC TE EST RECORDER TYPE Merc WATER TEMP 7.6 AIR TEMP -3.0 ICE CONDITIONS DOWNLOAD DATE 160 CM FUNCTIONAL Wet IF DRY, HEIGHT ABOVE WATER CAND TEMP TIGBIR LOGGER SERIAL # 10930722 UTM 648362 OWN IOAD DATE 13 OCT 2016 DOWNLOAD TIME 15:25 CREW BC TE COMMENTS WATER DEPTH 160 CM DISLODGED NO REASON BURIED NO FUNCTIONAL WET IF DRY, HEIGHT ABOVE WATER CM TETHER TYPE COMMENTS TITEID PINEDN1_BU LOCATION							
ow nload OK tainless steel cable OK PL#6 ITEID pineUP1 LOCATION	Dalbarri Po	•		AL wet	ONCTION		NIED NO
OGGER TYPE Tidbit LOGGER SERIAL # 10669747 UTM 641034 OWNILOAD DATE 13 Oct 2016 DOWNILOAD TIME 13:25 CREW BC TE EST RECORDER TYPE Merc WATER TEMP 7.6 AIR TEMP -3.0 ICE CONDITIONS ICE CONDITIONS WATER DEPTH 160 cm DISLODGED no REASON BURIED no FUNCTIONAL wet IF DRY, HEIGHT ABOVE WATER cm TETHER TYPE COMMENTS OWNILOAD DATE 13 Oct 2016 DOWNILOAD TIME 14:22 CREW BC TE EST RECORDER TYPE Merc WATER TEMP 5.4 AIR TEMP -3.0 ICE CONDITIONS no LOGGER CONDITIONS LOGGER SERIAL # 10930722 UTM 648362 DOWNILOAD DATE 13 Oct 2016 DOWNILOAD TIME 14:22 CREW BC TE EST RECORDER TYPE Merc WATER TEMP 5.4 AIR TEMP -3.0 ICE CONDITIONS no WATER DEPTH 160 cm DISLODGED no REASON BURIED no FUNCTIONAL wet IF DRY, HEIGHT ABOVE WATER cm TETHER TYPE COMMENTS WATER DEPTH 160 cm DISLODGED no REASON BURIED no FUNCTIONAL wet IF DRY, HEIGHT ABOVE WATER cm TETHER TYPE COMMENTS						ole OK	nless steel cab
OGGER TYPE OWNLOAD DATE 13 Oct 2016 DOWNLOAD TIME 13:25 CREW BC TE EST RECORDER TYPE Merc WATER TEMP 7.6 AIR TEMP 7.0 AIR TEMP 7.0 AIR TEMP 7.0 AIR TEMP 7.0 ICE CONDITIONS WATER DEPTH 160 cm DISLODGED NO REASON BURIED NO FUNCTIONAL Wet IF DRY, HEIGHT ABOVE WATER COMMENTS OWN NIOAD OK ITE ID pineDN1_BU LOCATION OGGER TYPE Tidbit LOGGER SERIAL # 10930722 UTM 648362 OWNLOAD DATE 13 Oct 2016 DOWNLOAD TIME 14:22 CREW BC TE EST RECORDER TYPE Merc WATER TEMP 5.4 AIR TEMP -3.0 ICE CONDITIONS NO COMMENTS WATER DEPTH 160 cm DISLODGED NO REASON BURIED NO FUNCTIONAL WET BANK SOUTH 648362 UTM 648362 UTM 648362 TETHER TYPE BOWNLOAD DATE 13 Oct 2016 DOWNLOAD TIME 14:22 CREW BC TE EST RECORDER TYPE Merc WATER TEMP 5.4 AIR TEMP -3.0 ICE CONDITIONS WATER DEPTH 160 cm DISLODGED NO REASON BURIED NO FUNCTIONAL WET BURIED NO FUNCTIONAL WET BURIED NO FUNCTIONAL WET COMMENTS	Ding Divor	u/s of Pino Piv		TION	LOCAT	ninel IP1	ID
OWNLOAD DATE 13 Oct 2016 DOWNLOAD TIME 13:25 CREW BC TEST RECORDER TYPE Merc WATER TEMP 7.6 AIR TEMP -3.0 ICE CONDITIONS NOT LOGGER CONDITIONS WATER DEPTH 160 cm DISLODGED NO REASON BURIED NO FUNCTIONAL Wet IF DRY, HEIGHT ABOVE WATER CM TETHER TYPE COMMENTS OWN NIOAD OK STEELD PINEDN1_BU LOCATION							
EST RECORDER TYPE Merc WATER TEMP 7.6 AIR TEMP 7.0 LOGGER CONDITIONS WATER DEPTH 160 Cm DISLODGED NO REASON BURIED NO FUNCTIONAL Wet IF DRY, HEIGHT ABOVE WATER Cm TETHER TYPE COMMENTS CM TETHER TYPE COMMENTS WATER ID PINEDN1_BU LOCATION CM CM CM CM CM CM CM CM CM C							
WATER DEPTH 160 cm DISLODGED no REASON BURIED no FUNCTIONAL wet IF DRY, HEIGHT ABOVE WATER cm TETHER TYPE COMMENTS OWN Iload OK WITE ID pineDN1_BU LOCATION							
BURIED NO FUNCTIONAL WET IF DRY, HEIGHT ABOVE WATER CM TETHER TYPE COMMENTS OWN Iload OK THE ID PINEDN1_BU LOCATION		ER CONDITION	LOGGE				
COMMENTS OWN nload OK pl # 14, SN 10669747 tainless steel cable OK ITE ID pineDN1_BU LOCATION			-				ATER DEPTH
Download OK Point 14, SN 10669747	EIGHT ABOVE WATER cm TETHER TYPE alder	DRY, HEIGHT A	IF D	IAL wet	UNCTION		RIED no
DI# 14, SN 10669747 ainless steel cable OK TEID pineDN1_BU LOCATION	ENTS	OMMENTS	CC				
Tidbit LOGGER SERIAL # 10930722							
OWNLOAD DATE 13 Oct 2016 DOWNLOAD TIME 14:22 CREW BC TE EST RECORDER TYPE Merc WATER TEMP 5.4 AIR TEMP -3.0 ICE CONDITIONS LOGGER CONDITIONS WATER DEPTH 160 cm DISLODGED no REASON BURIED no FUNCTIONAL wet IF DRY, HEIGHT ABOVE WATER cm TETHER TYPE COMMENTS PL#29 ow nload ok ew stainless steel cable	Pine River BANK south	d/s of Pine Riv		ΓΙΟΝ	LOCAT	ineDN1_B	ID pi
EST RECORDER TYPE Merc WATER TEMP 5.4 AIR TEMP -3.0 ICE CONDITIONS NOT LOGGER CONDITIONS WATER DEPTH 160 cm DISLODGED no REASON BURIED no FUNCTIONAL wet IF DRY, HEIGHT ABOVE WATER cm TETHER TYPE COMMENTS PL#29 ow nload ok ew stainless steel cable	10930722 UTM 648362 6222823	10930	SERIAL #	LOGGER	dbit	Ti	GER TYPE
LOGGER CONDITIONS WATER DEPTH 160 cm DISLODGED no REASON BURIED no FUNCTIONAL wet IF DRY, HEIGHT ABOVE WATER cm TETHER TYPE COMMENTS PL#29 ow nload ok ew stainless steel cable	14:22 CREW BC TE	ME			Oct	E 13	/NLOAD DATE
WATER DEPTH 160 cm DISLODGED no REASON cm TETHER TYPE COMMENTS PL#29 ow nload ok ew stainless steel cable	102001121110110			WATE	Merc	TYPE	F RECORDER
BURIED NO FUNCTIONAL Wet IF DRY, HEIGHT ABOVE WATER CM TETHER TYPE COMMENTS PL#29 ow nload ok ew stainless steel cable				CL ODOED	D	400	TED DEDTIL
COMMENTS PL#29 ow nload ok ew stainless steel cable							
PL#29 ow nload ok ew stainless steel cable				IAL wet	-UNC HON		RIED NO
ow nload ok ew stainless steel cable	EN15	OIVI IVI EN I S	C				
						el cable	nload ok
ITEID pineDN1 LOCATION d/s of Pine River BANK south						-	
LOGGER CONDITIONS	THE TENT OF THE TE			.,,,,,			
WATER DEPTH cm DISLODGED yes REASON debris				SLODGED	cm D		ATER DEPTH
BURIED no FUNCTIONAL dry IF DRY, HEIGHT ABOVE WATER cm TETHER TYPE	EIGHT ABOVE WATER cm TETHER TYPE alder			IAL	UNCTION		RIED no
COMMENTS		OMMENTS	CC				
<u> </u>	ENTS						
	ENTS						nload OK
ow nload OK	ENTS						Ilload OIX
	ENTS					nd dry	
ow nload OK w ung to shore and dry tainless steel cable OK	ENTS					ole OK	ing to shore an
w ung to shore and dry	ENTS					ole OK	ing to shore an

BC H	IYDRO	PEAC	E RIVER	TEMPE	ERATUI	RE MON	IITORING - D	OWNL	OAD II	NFORM	ATION F	ORM
SITEID			LOCATIO				IS Forebay		BANK			
LOGGER TYPE	=	Tidb	it	LOGGER	SERIAL		10676155		UTM		548841	6209022
DOWNLOAD D	ATE	4	Jan 2	2017 DO	WNLOAI	DTIME	11:34	ŀ	CREW		ВС	TE
TEST RECORD	ER TYP	PE	YSI	WATER	RTEMP	1.6	AIR TEMP	-3	ICECO	NDITION	S	none
							ONDITIONS					
WATER DEPT		100	cm DISL		no		REASON					
BURIED n	10	FU	NCTIONAL	L w et			HEIGHT ABOVE	WATER		cm TET	HER TYPE	steel buoy
						COMM	.200					
Dow nload OK Stainless steel RPL#19	cable (DK .										
		LIDO										
SITE ID LOGGER TYPE		sUP2 Tidb	LOCATIO)n Logger	CEDIAI		10676160		BANK UTM		548841	6209022
DOWNLOAD D		4		2017 DO			11:33	3	CREW		D48841 BC	
TEST RECORD	ER TYP	PE	YSI	WATER	RTEMP	1.6	AIR TEMP	-3		NDITION	S	none
WATER RED		10	DIGI	0.D0FD			ONDITIONS					
BURIED n	no l	10 m	NCTIONAL	L w et	no		REASON HEIGHT ABOVE	WATER		cm TFT	HER TYPE	steel buoy
DOTTED	10	. 0	1011010	W Ot		COMN				CIII IEI	TIER TITLE	3 teer buoy
SITE ID LOGGER TYPE DOWNLOAD D TEST RECORD	E ATE	sDN2 Tidb 4		LOGGER 2017 DO	WNLOAI R TEMP	# D TIME 7	Tailrace RDB 10669739 10:20 AIR TEMP	-3	BANK UTM CREW ICE CO	NDITION	548828 BC	north 6207836 TE none
WATER DEPT	ТН	200	cm DISL	ODGED	no		REASON					
BURIED n	10	FU	NCTIONAL	L wet			HEIGHT ABOVE	WATER		cm TET	HER TYPE	rock
Back-up logger both dow nload: cable ok (stain Primary Logger	ls OK nless ste	eel cable	section at									
SITEID	gm	sDN1	LOCATIO)N		GMS	Tailrace LDB		BANK		south	
LOGGER TYPE	E	Tidb	it	LOGGER		#	10635063		UTM		548881	6207761
DOWNLOAD D		4		2017 DO			10:42		CREW		ВС	
TEST RECORD	JEK I YI		YSI	WATER	RTEMP	1.9 DGGER C	AIR TEMP ONDITIONS	-3	ICE CO	NDITION	3	none
	ТН	200	cm DISL	ODGED	no		REASON					
WATER DEPT												
	10	FU	NCTIONAL	L w et			HEIGHT ABOVE	WATER		cm TET	HER TYPE	rock

BC HYDRO	PEACE RIV	EK I EIVIF					OAD II		*****	U 1 (1)
<u> </u>	UP1 LOCA	TION		PCN	N Forebay		BANK			north
OGGER TYPE	Tidbit		SERIAL #		10635067		UTM	56	2684	6204075
OWNLOAD DATE	4 Jan	2017 DO	WNLOAD TI	ME	15:01		CREW		ВС	TE
EST RECORDER TYP	YSI	WATE	RTEMP	1.8	AIR TEMP	-2.0	ICECO	NDITIONS		none
			LOGG		NDITIONS					
WATER DEPTH	100 cm	DISLODGED	no	RE	EASON					
BURIED no	FUNCTIO	NAL wet	IF	DRY, H	EIGHT ABOVE	WATER		cm TETH	ER TYPE	log boom
			C	OMM	ENTS					
ow nload OK Il stainless steel cable pJ #10, SN 10635067	e ok									
ITE ID	DND LOCA	TION		DO1			DANK			
OGGER TYPE	nDN2 LOCA Tidbit		SERIAL #	PUN	N Tailrace 10156317		BANK UTM	E	52803	north 6204854
OOGGEN TIPE	4 Jan		SERIAL # WNLOAD TII	ME	14:36	3	CREW	30		6204854 TE
EST RECORDER TYP				2.0	AIR TEMP	-2.0		NDITIONS		none
					NDITIONS					
WATER DEPTH		DISLODGED	no		EASON					
BURIED no	FUNCTIO	NAL wet		ORY, H	EIGHT ABOVE	WATER		cm TETH	ER TYPE	rock
OGGER TYPE	N2_BU LOCA Tidbit 4 Jan FE YSI	LOGGER 2017 DO	SERIAL # WNLOAD TII R TEMP	ME	N Tailrace 10635061 14:35		BANK UTM CREW			north 6204854
OGGER TYPE	Tidbit 4 Jan	LOGGER 2017 DO	WNLOAD TII R TEMP	ME 2.0	10635061	5 -2.0	UTM CREW	56	ВС	6204854
OGGER TYPE	Tidbit 4 Jan PE YSI	LOGGER 2017 DO	WNLOAD TII R TEMP LOGG	ME 2.0 ER CO	10635061 14:35 AIR TEMP DIDITIONS EASON	-2.0	UTM CREW		ВС	6204854 TE
OGGER TYPE OWNLOAD DATE EST RECORDER TYP WATER DEPTH	Tidbit 4 Jan PE YSI	LOGGER 2017 DO WATER	WNLOAD TII R TEMP LOGG	ME 2.0 ER CO	10635061 14:35 AIR TEMP ONDITIONS	-2.0	UTM CREW ICE CO	NDITIONS	ВС	6204854 TE
OGGER TYPE OOWNLOAD DATE EST RECORDER TYP WATER DEPTH	Tidbit 4 Jan PE YSI 200 cm	LOGGER 2017 DO WATER	WNLOAD TII R TEMP LOGG	ME 2.0 ER CO	10635061 14:35 AIR TEMP ONDITIONS EASON EIGHT ABOVE	-2.0	UTM CREW ICE CO	NDITIONS	BC	6204854 TE none
OGGER TYPE DOWNLOAD DATE TEST RECORDER TYP WATER DEPTH	Tidbit 4 Jan FE YSI 200 cm F FUNCTIO	LOGGER 2017 DO WATER	WNLOAD TII R TEMP LOGG	ME 2.0 ER CO RE DRY, H	10635061 14:35 AIR TEMP ONDITIONS EASON EIGHT ABOVE	-2.0	UTM CREW ICE CO	NDITIONS	BC	6204854 TE none
OGGER TYPE DOWNLOAD DATE TEST RECORDER TYP WATER DEPTH BURIED no Townload OK all stainless steel cable Anchored to same rock RPI #9, SN10635061	Tidbit 4 Jan FE YSI 200 cm F FUNCTIO	LOGGER 2017 DO WATER DISLODGED NAL wet	WNLOAD TII R TEMP LOGG no IF I	ME 2.0 ER CO RE DRY, H	10635061 14:35 AIR TEMP ONDITIONS EASON EIGHT ABOVE	-2.0	UTM CREW ICE CO	NDITIONS	BC	6204854 TE none
OGGER TYPE OWNLOAD DATE SET RECORDER TYP WATER DEPTH BURIED no OWNload OK Ill stainless steel cable Anchored to same rock Ept #9, SN10635061	Tidbit 4 Jan E YSI 200 cm E FUNCTIO	LOGGER 2017 DO WATER DISLODGED NAL Wet TION LOGGER	WNLOAD TII R TEMP LOGG no IF I	ME 2.0 EER CO RE DRY, H	10635061 14:35 AIR TEMP ONDITIONS EASON EIGHT ABOVE	-2.0	UTM CREW ICE CO	NDITIONS	BC	6204854 TE none
OGGER TYPE OWNLOAD DATE EST RECORDER TYP WATER DEPTH BURIED no ownload OK Il stainless steel cable anchored to same rock pl #9, SN10635061	Tidbit 4 Jan E YSI 200 cm E FUNCTIO	LOGGER 2017 DO WATER DISLODGED NAL Wet TION LOGGER DO	WNLOAD TII R TEMP LOGG NO IF I	ME 2.0 EER CO RE DRY, H	10635061 14:35 AIR TEMP INDITIONS EASON EGHT ABOVE	-2.0	UTM CREW ICE CO	NDITIONS	BCO	6204854 TE none
OGGER TYPE OWNLOAD DATE EST RECORDER TYP WATER DEPTH BURIED no ownload OK Il stainless steel cable anchored to same rock pl #9, SN10635061	Tidbit 4 Jan E YSI 200 cm E FUNCTIO	LOGGER 2017 DO WATER DISLODGED NAL Wet TION LOGGER DO	WNLOAD TII R TEMP LOGG NO IF I SERIAL # WNLOAD TII R TEMP	ME 2.0 EER CO RE DRY, H	AIR TEMP	-2.0	UTM CREW ICE CO	NDITIONS	BCO	6204854 TE none
OGGER TYPE DOWNLOAD DATE PEST RECORDER TYP WATER DEPTH BURIED no Now nload OK Strainless steel cable Anchored to same rock RPI #9, SN10635061	Tidbit 4 Jan 200 cm I FUNCTIO	LOGGER 2017 DO WATER DISLODGED NAL Wet TION LOGGER DO	WNLOAD TII R TEMP LOGG NO IF I SERIAL # WNLOAD TII R TEMP	ME 2.0 RE DRY, H COMMI	10635061 14:35 AIR TEMP INDITIONS EASON EGHT ABOVE	-2.0	UTM CREW ICE CO	NDITIONS	BCO	6204854 TE none
OGGER TYPE DOWNLOAD DATE TEST RECORDER TYP WATER DEPTH BURIED no Townload OK All stainless steel cable Anchored to same rock Rpl #9, SN10635061 SITE ID OGGER TYPE DOWNLOAD DATE TEST RECORDER TYP	Tidbit 4 Jan 200 cm I FUNCTIO	LOGGER 2017 DO WATER DISLODGED NAL Wet LOGGER DO WATER	SERIAL # WNLOAD TII	ME 2.0 RE DRY, H COMMI	AIR TEMP	-2.0	BANK UTM CREW ICE CO	NDITIONS	BCO	6204854 TE none
OGGER TYPE DOWNLOAD DATE TEST RECORDER TYP WATER DEPTH BURIED no download OK all stainless steel cable Anchored to same rock Rpl #9, SN10635061 SITE ID OGGER TYPE DOWNLOAD DATE TEST RECORDER TYP	Tidbit 4 Jan 200 cm F FUNCTIO CON CON CON CON CON CON CON C	LOGGER 2017 DO WATER DISLODGED NAL Wet LOGGER DO WATER	WNLOAD TII R TEMP LOGG NO IF I SERIAL # WNLOAD TII R TEMP LOGG	ME 2.0 RE DRY, H COMMI	AIR TEMP AIR TEMP	-2.0	BANK UTM CREW ICE CO	NDITIONS CM TETH	BCO	6204854 TE none
OGGER TYPE OWNLOAD DATE TEST RECORDER TYP WATER DEPTH BURIED no TOWNLOAD OK AND THE STREET OF THE STREET OF THE STREET OF THE STREET OWNLOAD DATE TEST RECORDER TYPE WATER DEPTH	Tidbit 4 Jan 200 cm F FUNCTIO CON CON CON CON CON CON CON C	LOGGER 2017 DO WATER DISLODGED NAL Wet LOGGER DO WATER	WNLOAD TII R TEMP LOGG NO IF I SERIAL # WNLOAD TII R TEMP LOGG	ME 2.0 RE DRY, H COMMI	AIR TEMP AIR TEMP	-2.0	BANK UTM CREW ICE CO	NDITIONS CM TETH	BCO	6204854 TE none
OGGER TYPE OWNLOAD DATE TEST RECORDER TYP WATER DEPTH BURIED no TOWNLOAD OK AND THE STREET OF THE STREET OF THE STREET OF THE STREET OWNLOAD DATE TEST RECORDER TYPE WATER DEPTH	Tidbit 4 Jan 200 cm F FUNCTIO CON CON CON CON CON CON CON C	LOGGER 2017 DO WATER DISLODGED NAL Wet LOGGER DO WATER	WNLOAD TII R TEMP LOGG NO IF I SERIAL # WNLOAD TII R TEMP LOGG	ME 2.0 RE DRY, H COMMI	AIR TEMP AIR TEMP	-2.0	BANK UTM CREW ICE CO	NDITIONS CM TETH	BCO	6204854 TE none
OGGER TYPE OWNLOAD DATE TEST RECORDER TYP WATER DEPTH BURIED no TOWNLOAD OK AND THE STREET OF THE STREET OF THE STREET OF THE STREET OWNLOAD DATE TEST RECORDER TYPE WATER DEPTH	Tidbit 4 Jan 200 cm F FUNCTIO CON CON CON CON CON CON CON C	LOGGER 2017 DO WATER DISLODGED NAL Wet LOGGER DO WATER	WNLOAD TII R TEMP LOGG NO IF I SERIAL # WNLOAD TII R TEMP LOGG	ME 2.0 RE DRY, H COMMI	AIR TEMP AIR TEMP	-2.0	BANK UTM CREW ICE CO	NDITIONS CM TETH	BCO	6204854 TE none
OGGER TYPE OWNLOAD DATE TEST RECORDER TYP WATER DEPTH BURIED no TOWNLOAD OK AND THE STREET OF THE STREET OF THE STREET OF THE STREET OWNLOAD DATE TEST RECORDER TYPE WATER DEPTH	Tidbit 4 Jan 200 cm F FUNCTIO CON CON CON CON CON CON CON C	LOGGER 2017 DO WATER DISLODGED NAL Wet LOGGER DO WATER	WNLOAD TII R TEMP LOGG NO IF I SERIAL # WNLOAD TII R TEMP LOGG	ME 2.0 RE DRY, H COMMI	AIR TEMP AIR TEMP	-2.0	BANK UTM CREW ICE CO	NDITIONS CM TETH	BCO	6204854 TE none
OGGER TYPE DOWNLOAD DATE TEST RECORDER TYP WATER DEPTH BURIED no download OK all stainless steel cable Anchored to same rock Rpl #9, SN10635061 SITE ID OGGER TYPE DOWNLOAD DATE TEST RECORDER TYP	Tidbit 4 Jan 200 cm F FUNCTIO CON CON CON CON CON CON CON C	LOGGER 2017 DO WATER DISLODGED NAL Wet LOGGER DO WATER	WNLOAD TII R TEMP LOGG NO IF I SERIAL # WNLOAD TII R TEMP LOGG	ME 2.0 RE DRY, H COMMI	AIR TEMP AIR TEMP	-2.0	BANK UTM CREW ICE CO	NDITIONS CM TETH	BCO	6204854 TE none

SITEID						ITORING - D	K) VV NI	ΟΔΟ ΙΝ	FORMAL	ION FO) K IVI
	nalf UP2	LOCATIO				lalfway River		BANK			north
LOGGER TYPE	Tidk		LOGGER S	SERIAL		10156319		UTM	5955	569	6230541
DOWNLOAD DATE	5		017 DOV			10:22	2	CREW	0000	BC	
TEST RECORDER T	YPE	YSI	WATER	TEMP	1.7	AIR TEMP	-7		IDITIONS		none
					OGGER CO	ONDITIONS					
WATER DEPTH	200	cm DISL	ODGED	no		EASON					
BURIED no		JNCTIONAL				EIGHT ABOVE	WATER		m TETHER	TYPE	spruce
					COMM				121112		Spruce
dow nload OK cable OK RPL#1											
	nalfUP1	LOCATIO				Halfway River		BANK	sou		
LOGGER TYPE DOWNLOAD DATE	Tidk 5		LOGGER S			9767573		UTM	5951	165 BC	6230094
TEST RECORDER T		Jan 2 YSI	WATER		1.7	AIR TEMP	-7	CREW	IDITIONS	ьс	none
. LOT RESORDER T	.,_	1 01	HATEK			ONDITIONS		.02.001			1.0110
WATER DEPTH	200	cm DISL	ODGED	no		EASON					
BURIED no	FL	JNCTIONAL	w et		•	HEIGHT ABOVE	WATER	(m TETHER	TYPE	spruce tree
					COMM	IENTS					
SITE ID h	nalf DN2	LOCATIO)N		d/a of l	1. K					
	Tidh	oit	OGGER S	SERIAL		Halfway River		BANK	5984	198	north 6232169
LOGGER TYPE	Tidk 5		LOGGER S		#	10669748 9:56		BANK UTM CREW	5981	198 BC	6232169
LOGGER TYPE	5			VNLOA	#	10669748	-7	UTM CREW	5981		6232169
LOGGER TYPE DOWNLOAD DATE TEST RECORDER T	5	Jan 2 YSI	WATER	VNLOAI TEMP	# D TIME 1.3 DGGER CO	10669748 9:56 AIR TEMP ONDITIONS	-7	UTM CREW			6232169 TE
LOGGER TYPE DOWNLOAD DATE TEST RECORDER T WATER DEPTH	5 YPE	Jan 2 YSI cm DISL	WATER ODGED	VNLOAI TEMP	# 1.3 DGGER CO	10669748 9:56 AIR TEMP DNDITIONS EASON tampo	-7 ered	UTM CREW ICE CON	IDITIONS	ВС	6232169 TE none
LOGGER TYPE DOWNLOAD DATE TEST RECORDER T	5 YPE	Jan 2 YSI	WATER ODGED	VNLOAI TEMP	# 1.3 DGGER CO	10669748 9:56 AIR TEMP DNDITIONS EASON tampo	-7 ered	UTM CREW ICE CON		ВС	6232169 TE
LOGGER TYPE DOWNLOAD DATE TEST RECORDER T WATER DEPTH BURIED no stainless steel cable Rpl #15, SN 106697 pulled to shore by la	5 YPE FL 9 OK 748	Jan 2 YSI cm DISL JNCTIONAL	WATER ODGED w et	VNLOAI TEMP LC	TIME 1.3 OGGER CO yes R IF DRY, H	10669748 9:56 AIR TEMP DNDITIONS EASON tampo	-7 ered	UTM CREW ICE CON	IDITIONS	ВС	6232169 TE none
LOGGER TYPE DOWNLOAD DATE TEST RECORDER T WATER DEPTH BURIED no stainless steel cable Rpl #15, SN 106697 pulled to shore by la w ater very high	FU F	Jan 2 YSI cm DISL JNCTIONAL but w et w h	WATER ODGED wet	TEMP LC red GERIAL TEMP	# 1.3 DGGER CC yes R IF DRY, F COMM d/s of F	10669748 9:56 AIR TEMP DNDITIONS EASON tamp HEIGHT ABOVE Half way River 10156314 10:04 AIR TEMP	-7 ered WATER	UTM CREW ICE CON	IDITIONS	BC TYPE	6232169 TE none balsam pop
LOGGER TYPE DOWNLOAD DATE TEST RECORDER T WATER DEPTH BURIED no stainless steel cable Rpl #15, SN 106697 pulled to shore by la w ater very high SITE ID hal LOGGER TYPE DOWNLOAD DATE TEST RECORDER T	FUNDE STATE OF THE PROPERTY OF	Jan 2 YSI cm DISL JNCTIONAL but w et w h LOCATIO it Jan 2 YSI	ODGED wet on conserved on conse	TEMP LC FERIAL VINLOAL TEMP LC	# 1.3 DGGER CC yes R IF DRY, F COMM d/s of F # D TIME 1.3 DGGER CC	10669748 9:56 AIR TEMP DNDITIONS EASON tamp HEIGHT ABOVE IENTS Halfway River 10156314 10:04 AIR TEMP DNDITIONS	-7 ered WATER	UTM CREW ICE CON	IDITIONS TETHER	BC RTYPE	6232169 TE none balsam pop north 6263144 TE
LOGGER TYPE DOWNLOAD DATE TEST RECORDER T WATER DEPTH BURIED no stainless steel cable Rpl #15, SN 106697 pulled to shore by la w ater very high SITE ID hal LOGGER TYPE DOWNLOAD DATE	FUNDE STATE OF THE PROPERTY OF	Jan 2 YSI cm DISL JNCTIONAL but w et w h	ODGED ON LOGGER S ODGED WATER	TEMP LC red GERIAL TEMP	# D TIME 1.3 DGGER CC yes R IF DRY, F COMM d/s of F # D TIME 1.3 DGGER CC R	10669748 9:56 AIR TEMP DNDITIONS EASON tamp HEIGHT ABOVE Half way River 10156314 10:04 AIR TEMP	-7 ered WATER	BANK UTM CREW ICE CON	IDITIONS TETHER	BC TYPE 179 BC	6232169 TE none balsam pop north 6263144 TE
LOGGER TYPE DOWNLOAD DATE TEST RECORDER T WATER DEPTH BURIED no stainless steel cable Rpl #15, SN 106697 pulled to shore by la w ater very high SITE ID hal LOGGER TYPE DOWNLOAD DATE TEST RECORDER T	FUNDE STATE OF THE PROPERTY OF	Jan 2 YSI cm DISL JNCTIONAL but w et w h LOCATIO it Jan 2 YSI	ODGED ON LOGGER S ODGED WATER	TEMP LC FERIAL VINLOAL TEMP LC	# D TIME 1.3 DGGER CC yes R IF DRY, F COMM d/s of F # D TIME 1.3 DGGER CC R	Halfway River 10156314 10:04 AIR TEMP ONDITIONS EASON tamp HEIGHT ABOVE HEIGHT ABOVE HEIGHT ABOVE HEIGHT ABOVE HEIGHT ABOVE HEIGHT ABOVE	-7 ered WATER	BANK UTM CREW ICE CON	DITIONS TETHER 598*	BC TYPE 179 BC	6232169 TE none balsam pop north 6263144 TE none
LOGGER TYPE DOWNLOAD DATE TEST RECORDER T WATER DEPTH BURIED no stainless steel cable Rpl #15, SN 106697 pulled to shore by la w ater very high SITE ID hal LOGGER TYPE DOWNLOAD DATE TEST RECORDER T WATER DEPTH BURIED no	FU F	Jan 2 YSI cm DISL JNCTIONAL but w et w h LOCATIO it Jan 2 YSI	ODGED ON LOGGER S ODGED WATER	TEMP LC FERIAL VINLOAL TEMP LC	# 1.3 DGGER CC yes R IF DRY, F COMM d/s of F # D TIME 1.3 DGGER CC R IF DRY, F	Halfway River 10156314 10:04 AIR TEMP ONDITIONS EASON tamp HEIGHT ABOVE HEIGHT ABOVE HEIGHT ABOVE HEIGHT ABOVE HEIGHT ABOVE HEIGHT ABOVE	-7 ered WATER	BANK UTM CREW ICE CON	DITIONS TETHER 598*	BC TYPE 179 BC	6232169 TE none balsam pop north 6263144 TE none
LOGGER TYPE DOWNLOAD DATE TEST RECORDER T WATER DEPTH BURIED no stainless steel cable Rpl #15, SN 106697 pulled to shore by la w ater very high SITE ID hal LOGGER TYPE DOWNLOAD DATE TEST RECORDER T WATER DEPTH BURIED no	FUNDE STATE OF THE	Jan 2 YSI cm DISL JNCTIONAL but w et w h LOCATIO it Jan 2 YSI	ODGED ON LOGGER S ODGED WATER	TEMP LC FERIAL VINLOAL TEMP LC	# 1.3 DGGER CC yes R IF DRY, F COMM d/s of F # D TIME 1.3 DGGER CC R IF DRY, F	Halfway River 10156314 10:04 AIR TEMP ONDITIONS EASON tamp HEIGHT ABOVE HEIGHT ABOVE HEIGHT ABOVE HEIGHT ABOVE HEIGHT ABOVE HEIGHT ABOVE	-7 ered WATER	BANK UTM CREW ICE CON	DITIONS TETHER 598*	BC TYPE 179 BC	6232169 TE none balsam pop north 6263144 TE none
LOGGER TYPE DOWNLOAD DATE TEST RECORDER T WATER DEPTH BURIED no stainless steel cable Rpl #15, SN 106697 pulled to shore by la w ater very high SITE ID hal LOGGER TYPE DOWNLOAD DATE TEST RECORDER T WATER DEPTH BURIED no	FUNDE STATE OF THE	Jan 2 YSI cm DISL JNCTIONAL but w et w h LOCATIO it Jan 2 YSI	ODGED ON LOGGER S ODGED WATER	TEMP LC FERIAL VINLOAL TEMP LC	# 1.3 DGGER CC yes R IF DRY, F COMM d/s of F # D TIME 1.3 DGGER CC R IF DRY, F	Halfway River 10156314 10:04 AIR TEMP ONDITIONS EASON tamp HEIGHT ABOVE	-7 ered WATER	BANK UTM CREW ICE CON	DITIONS TETHER 598*	BC TYPE 179 BC	none north 6263144 TE none
LOGGER TYPE DOWNLOAD DATE TEST RECORDER T WATER DEPTH BURIED no stainless steel cable Rpl #15, SN 106697 pulled to shore by la w ater very high SITE ID hal LOGGER TYPE DOWNLOAD DATE TEST RECORDER T WATER DEPTH BURIED no	FUNDE STATE OF THE	Jan 2 YSI cm DISL JNCTIONAL but w et w h LOCATIO it Jan 2 YSI	ODGED ON LOGGER S ODGED WATER	TEMP LC FERIAL VINLOAL TEMP LC	# 1.3 DGGER CC yes R IF DRY, F COMM d/s of F # D TIME 1.3 DGGER CC R IF DRY, F	Halfway River 10156314 10:04 AIR TEMP ONDITIONS EASON tamp HEIGHT ABOVE	-7 ered WATER	BANK UTM CREW ICE CON	DITIONS TETHER 598*	BC TYPE 179 BC	6232169 TE none balsam pop north 6263144 TE none
DOWNLOAD DATE TEST RECORDER T WATER DEPTH BURIED no stainless steel cable Rpl #15, SN 106697 pulled to shore by la w ater very high SITE ID hal LOGGER TYPE DOWNLOAD DATE TEST RECORDER T WATER DEPTH BURIED no	FUNDE STATE OF THE	Jan 2 YSI cm DISL JNCTIONAL but w et w h LOCATIO it Jan 2 YSI	ODGED ON LOGGER S ODGED WATER	TEMP LC FERIAL VINLOAL TEMP LC	# 1.3 DGGER CC yes R IF DRY, F COMM d/s of F # D TIME 1.3 DGGER CC R IF DRY, F	Halfway River 10156314 10:04 AIR TEMP ONDITIONS EASON tamp HEIGHT ABOVE	-7 ered WATER	BANK UTM CREW ICE CON	DITIONS TETHER 598*	BC TYPE 179 BC	6232169 TE none balsam pop north 6263144 TE none
OGGER TYPE DOWNLOAD DATE EST RECORDER T WATER DEPTH BURIED no stainless steel cable Rpl #15, SN 106697 bulled to shore by la vater very high SITE ID hal COGGER TYPE DOWNLOAD DATE EST RECORDER T WATER DEPTH BURIED no	FUNDE STATE OF THE	Jan 2 YSI cm DISL JNCTIONAL but w et w h LOCATIO it Jan 2 YSI	ODGED ON LOGGER S ODGED WATER	TEMP LC FERIAL VINLOAL TEMP LC	# 1.3 DGGER CC yes R IF DRY, F COMM d/s of F # D TIME 1.3 DGGER CC R IF DRY, F	Halfway River 10156314 10:04 AIR TEMP ONDITIONS EASON tamp HEIGHT ABOVE	-7 ered WATER	BANK UTM CREW ICE CON	DITIONS TETHER 598*	BC TYPE 179 BC	none north 6263144 TE none

	RO PEM	CE RIVE	R TEMPE	ATURE M	ONITORING -	DOWNI	OAD IN	IFORM AT	TON F	ORM
	mobUP2	LOCATI			of Moberly River	JOHNL	BANK	CINIAI	.014 1	north
LOGGER TYPE	Tid		LOGGER S		10669754		UTM	627	501	6232563
DOWNLOAD DATE				'NLOAD TIME		5	CREW	021	BC	
TEST RECORDER 1		YSI	WATER			6.0		NDITIONS	50	none
LOT ILLUCIADES		1 01	HATEK		CONDITIONS	5.0	IOL COI	כאוטו ווכא		110116
WATER DEPTH	300	cm Dis	LODGED	no	REASON					unk
		UNCTIONA				= WATER		om TETUE	O TV DE	
BURIED no	F	UNC HONA	L wet		Y, HEIGHT ABOVE	. WATER		cm TETHE	TITE	spruce
logger RPL#16 SN ′ dow nload ok	10669754	deployed ir	n July							
SITEID	mobUP1	LOCATI	ON	II/e	of Moberly River		BANK	SO	ıth	
LOGGER TYPE	Tid		LOGGER S		10887852		UTM		158	6232349
DOWNLOAD DATE				'NLOAD TIME		2	CREW	021	BC	
TEST RECORDER 1		YSI	WATER			6.0		NDITIONS		none
					CONDITIONS					
WATER DEPTH	200		LODGED	no	REASON					
BURIED no	F	UNCTIONA	L wet		Y, HEIGHT ABOVE	WATER		cm TETHER	RTYPE	alder
				CO	MMENTS					
		LOCATI			of Moberly River		BANK	SOI		206-2-2-
LOGGER TYPE	Tid		LOGGER S		10676147	_	UTM	630	875	6229275
DOWNLOAD DATE FEST RECORDER 1		Jan YSI	WATER 1	'NLOAD TIME TEMP 1.8		6.0	CREW	NDITIONS	ВС	none
LOT NECONDER I		1 01	WATER		CONDITIONS	5.0	ICECO	ADITIONS		HOHE
WATER DEPTH	100	cm DIS	LODGED	yes	REASON		debris			
BURIED no		UNCTIONA			Y, HEIGHT ABOVE			cm TETHER	RTYPE	alder
					MMENTS					G.GO1
dow nload OK sw ung to shore by RPL#18	,,,		,							
SITEID	mobDN1	LOCATI			of Moberly River		BANK	SO		
	Tid		LOGGER S		10669746		UTM	630	776	6229287
	17	Jan		NLOAD TIME		-	CREW	IDIT: 61:5	ВС	
OOWNLOAD DATE	TVDE		WATER	TEMP 1.8		6.0	ICE CON	NDITIONS		
OOWNLOAD DATE	ГҮРЕ	YSI		LOGGED	COMPLETIONS					none
OOWNLOAD DATE EST RECORDER 1					REASON					none
DOWNLOAD DATE TEST RECORDER 1 WATER DEPTH	200	cm DIS	LODGED	no	REASON	WATER		cm TETHE	RTYPF	
LOGGER TYPE DOWNLOAD DATE TEST RECORDER 1 WATER DEPTH BURIED no	200		LODGED	no IF DR'		WATER		cm TETHER	RTYPE	spruce

DU DIUKU P	EACE RIVE	ER TEMPE	ERATURE	MONI	TORING - I	DOW NL	OAD II	NFC)RMA	IION F	ORIVI
SITE ID pine UF					Pine River		BANK				north
OGGER TYPE	Tidbit	LOGGER	SERIAL #		10635062		UTM		641	653	6225304
OWNLOAD DATE	17 Jan		WNLOAD T	IME	12:51	1	CREW		011		TE .
EST RECORDER TYPE	YSI	WATER		1.8	AIR TEMP	5.0	ICECC		TIONS		none
LOT RECORDER THE	1 01	10,112			NDITIONS	0.0	102 00		110110		110110
WATER DEPTH 30	00 om D l	SLODGED	no		ASON						
						WATED			TET 10		
BURIED no	FUNCTION	IAL wet		COMMI	EGHT ABOVE	WATER		CIII	IEINE	RTYPE	balsam po
ow nload OK tainless steel cable OK PL#6											
ITE ID pine UF	PI LOCAT	TION		u/s of	Pine River		BANK		80	uth	
OGGER TYPE	Tidbit	LOGGER	SFRIAI #	u/5 UI	10669747		UTM			034	6225372
	17 Jan		WNLOAD T	IME	12:44	1	CREW		041		TE
EST RECORDER TYPE	YSI	WATER		1.8	AIR TEMP	5.0	ICECC	NDI.	TIONS		none
					NDITIONS						
WATER DEPTH 25	60 cm DI	SLODGED	no	RE	ASON						
BURIED no	FUNCTION	IAL wet	IF	DRY, H	EGHT ABOVE	WATER		cm	TETHE	RTYPE	alder
				COMM	ENTS						
ITEID pineDN1	BU LOCAT	TION		d/s of	Pine River		BANK		so	uth	
	_BU LOCA 1		SERIAL#	d/s of	Pine River 10930722		BANK UTM			uth 3362	6222823
OGGER TYPE		LOGGER	SERIAL # WNLOAD TI			1				362	6222823 TE
OGGER TYPE OWNLOAD DATE	Tidbit	LOGGER	WNLOAD T		10930722	1 6.0	UTM)NDI	648	362	
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE	Tidbit 17 Jan-17 YSI	LOGGER 2016 DOI WATER	WNLOAD TI	IME 1.5 GER CO	10930722 13:21 AIR TEMP NDITIONS		UTM CREW)NDI	648	362	
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH 20	Tidbit 17 Jan-17 YSI	LOGGER 2016 DOI WATER	WNLOAD TO R TEMP LOGO no	IME 1.5 GER CO	10930722 13:21 AIR TEMP NDITIONS FASON	6.0	UTM CREW ICE CO		648	3362 BC	TE
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH 20	Tidbit 17 Jan-17 YSI	LOGGER 2016 DOI WATER	WNLOAD TO R TEMP LOGO no IF	IME 1.5 GER CO RE DRY, HI	10930722 13:21 AIR TEMP NDITIONS EASON EIGHT ABOVE	6.0	UTM CREW ICE CO		648	3362 BC	TE
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH 20	Tidbit 17 Jan-17 YSI	LOGGER 2016 DOI WATER	WNLOAD TO R TEMP LOGO no IF	IME 1.5 GER CO	10930722 13:21 AIR TEMP NDITIONS EASON EIGHT ABOVE	6.0	UTM CREW ICE CO		648	3362 BC	TE none
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH 20 BURIED no PL#29 ow nload failed, memory ew stainless steel cable	Tidbit 17 Jan-17 YSI 00 cm DI FUNCTION	LOGGER 2016 DO WATER SLODGED IAL wet	WNLOAD TI R TEMP LOGO no IF	IME 1.5 GER CO RE DRY, HI	10930722 13:21 AIR TEMP NDITIONS EASON EIGHT ABOVE	6.0	UTM CREW ICE CO		648	3362 BC	TE none
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH 20 BURIED no PL#29 ow nload failed, memory ew stainless steel cable eeds anchor upgrade	Tidbit 17 Jan-17 YSI 00 cm Di FUNCTION	LOGGER 2016 DOV WATER SLODGED IAL wet	WNLOAD TI R TEMP LOGO no IF	IME 1.5 GER CO RE DRY, HI COMMI	10930722 13:21 AIR TEMP NDITIONS EASON EIGHT ABOVE	6.0	UTM CREW ICE CO		TIONS TETHE	3362 BC	TE none
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH 20 BURIED no PL#29 ow nload failed, memory ew stainless steel cable eeds anchor upgrade ITE ID pine DN OGGER TYPE	Tidbit 17 Jan-17 YSI 00 cm Di FUNCTION full, taken to described to the second sec	LOGGER 2016 DOV WATER SLODGED IAL wet	WNLOAD TI R TEMP LOGO no IF Ownloaded,	IME 1.5 GER CO RE DRY, HI COMMI	10930722 13:21 AIR TEMP NDITIONS FASON EIGHT ABOVE ENTS d to RPL#25 S Pine River 2226322	6.0 WATER N 108930	UTM CREW ICE CO		TETHE	BC BC R TYPE	TE none alder
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH 20 BURIED no PL#29 ow nload failed, memory ow stainless steel cable eeds anchor upgrade ITE ID pine DN OGGER TYPE OWNLOAD DATE	Tidbit 17 Jan-17 YSI 00 cm Di FUNCTION full, taken to d N1 LOCAT Tidbit 17 Jan	LOGGER 2016 DOV WATER SLODGED IAL wet Office and do LOGGER 2017 DOV	WNLOAD TI R TEMP LOGO NO IF OW Nloaded,	IME 1.5 GER CO RE DRY, HE COMMI change	AIR TEMP NOITIONS FASON EIGHT ABOVE ENTS Pine River 2226322 13:08	6.0 WATER N 108930	UTM CREW ICE CO	cm	TETHE so 648	BC BC R TYPE	TE none alder
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH 20 BURIED no PL#29 ow nload failed, memory ow stainless steel cable eeds anchor upgrade ITE ID pine DN OGGER TYPE OWNLOAD DATE	Tidbit 17 Jan-17 YSI 00 cm Di FUNCTION full, taken to described to the second sec	LOGGER 2016 DOV WATER SLODGED IAL wet	WNLOAD TI R TEMP LOGO NO IF OW Nloaded,	IME 1.5 GER CO RE DRY, HI COMMI change d/s of	AIR TEMP NDITIONS ASON EIGHT ABOVE ENTS Pine River 2226322 13:08 AIR TEMP	6.0 WATER N 108930	UTM CREW ICE CO	cm	TETHE so 648	BC BC R TYPE	TE none alder
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH 20 BURIED no PL#29 Own nload failed, memory ow stainless steel cable eeds anchor upgrade ITE ID pine DN OGGER TYPE OWNLOAD DATE EST RECORDER TYPE	Tidbit 17 Jan-17 YSI 00 cm Di FUNCTION full, taken to o	LOGGER 2016 DOV WATER SLODGED IAL wet Office and do LOGGER 2017 DOV WATER	WNLOAD TI R TEMP LOGG no IF OWN nloaded, SERIAL # WNLOAD TI R TEMP LOGG	IME 1.5 GER CO REDRY, HE COMMI change d/s of IME 1.5 GER CO	AIR TEMP Pine River 2226322 13:08 AIR TEMP AIR TEMP AIR TEMP AIR TEMP NOITIONS	6.0 WATER N 108930	UTM CREW ICE CO	cm DNDi	SO 648	BC BC R TYPE	TE none alder
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH 20 BURIED no PL#29 ow nload failed, memory ew stainless steel cable eeds anchor upgrade ITE ID pine DN OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH 10	Tidbit 17 Jan-17 YSI 00 cm Di FUNCTION full, taken to o	LOGGER 2016 DOV WATER SLODGED IAL wet Office and do LOGGER 2017 DOV WATER	WNLOAD TI R TEMP LOGG no IF OWNIOADED SERIAL # WNLOAD TI R TEMP LOGG ye	IME 1.5 GER CO RE DRY, HI COMMI change d/s of IME 1.5 GER CO RE RE	AIR TEMP NOITIONS ASON EIGHT ABOVE ENTS Pine River 2226322 13:08 AIR TEMP NOITIONS EASON	6.0 WATER N 108930	UTM CREW ICE CO	DND	SO 648 TIONS TETHE	BC B	TE none alder 6222802 TE none
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH 20 BURIED no PL#29 Dw nload failed, memory Dew stainless steel cable Deeds anchor upgrade ITE ID pine DN OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH 10	Tidbit 17 Jan-17 YSI 00 cm Di FUNCTION full, taken to o	LOGGER 2016 DOV WATER SLODGED IAL wet Office and do LOGGER 2017 DOV WATER	WNLOAD TI R TEMP LOGG no IF OWNIOADED, SERIAL # WNLOAD TI R TEMP LOGG ye IF	d/s of ME 1.5 GER CO RE DRY, HI COMMI change	AIR TEMP NOITIONS ASON EIGHT ABOVE 2226322 13:08 AIR TEMP NOITIONS ASON EIGHT ABOVE ENTS	6.0 WATER N 108930	UTM CREW ICE CO	DND	SO 648	BC B	TE none alder
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH 20 BURIED no PL#29 ow nload failed, memory ew stainless steel cable eeds anchor upgrade OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH 10	Tidbit 17 Jan-17 YSI 00 cm Di FUNCTION full, taken to o	LOGGER 2016 DOV WATER SLODGED IAL wet Office and do LOGGER 2017 DOV WATER	WNLOAD TI R TEMP LOGG no IF OWNIOADED, SERIAL # WNLOAD TI R TEMP LOGG ye IF	IME 1.5 GER CO RE DRY, HI COMMI change d/s of IME 1.5 GER CO RE RE	AIR TEMP NOITIONS ASON EIGHT ABOVE 2226322 13:08 AIR TEMP NOITIONS ASON EIGHT ABOVE ENTS	6.0 WATER N 108930	UTM CREW ICE CO	DND	SO 648 TIONS TETHE	BC B	TE none alder
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH 20 BURIED no PL#29 OW nload failed, memory ew stainless steel cable eeds anchor upgrade OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH 10 BURIED no	Tidbit 17 Jan-17 YSI 00 cm DI FUNCTION full, taken to o	LOGGER 2016 DOV WATER SLODGED IAL wet Office and do LOGGER 2017 DOV WATER	WNLOAD TI R TEMP LOGG no IF OWNIOADED, SERIAL # WNLOAD TI R TEMP LOGG ye IF	d/s of ME 1.5 GER CO RE DRY, HI COMMI change	AIR TEMP NOITIONS ASON EIGHT ABOVE 2226322 13:08 AIR TEMP NOITIONS ASON EIGHT ABOVE ENTS	6.0 WATER N 108930	UTM CREW ICE CO	DND	SO 648 TIONS TETHE	BC B	TE none alder
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH 20 BURIED no PL#29 ow nload failed, memory ew stainless steel cable eeds anchor upgrade OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH 10 BURIED no ot dow nloaded, "full shu	Tidbit 17 Jan-17 YSI 00 cm DI FUNCTION full, taken to o	LOGGER 2016 DOV WATER SLODGED IAL wet Office and do LOGGER 2017 DOV WATER	WNLOAD TI R TEMP LOGG no IF OWNIOADED, SERIAL # WNLOAD TI R TEMP LOGG ye IF	d/s of ME 1.5 GER CO RE DRY, HI COMMI change	AIR TEMP NOITIONS ASON EIGHT ABOVE 2226322 13:08 AIR TEMP NOITIONS ASON EIGHT ABOVE ENTS	6.0 WATER N 108930	UTM CREW ICE CO	DND	SO 648 TIONS TETHE	BC B	TE none alder
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH 20 BURIED no PL#29 ow nload failed, memory ew stainless steel cable eeds anchor upgrade ITE ID pineDN OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH 10 BURIED no ot dow nloaded, "full shu w ung to shore still w et	Tidbit 17 Jan-17 YSI 00 cm DI FUNCTION full, taken to o	LOGGER 2016 DOV WATER SLODGED IAL wet Office and do LOGGER 2017 DOV WATER	WNLOAD TI R TEMP LOGG no IF OWNIOADED, SERIAL # WNLOAD TI R TEMP LOGG ye IF	d/s of ME 1.5 GER CO RE DRY, HI COMMI change	AIR TEMP NOITIONS ASON EIGHT ABOVE 2226322 13:08 AIR TEMP NOITIONS ASON EIGHT ABOVE ENTS	6.0 WATER N 108930	UTM CREW ICE CO	DND	SO 648 TIONS TETHE	BC B	TE none alder
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH 20 BURIED no PL#29 Ow nload failed, memory ew stainless steel cable eeds anchor upgrade BITE ID pineDN OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH 10 BURIED no out dow nloaded, "full shu w ung to shore still w et stainless steel cable OK	Tidbit 17 Jan-17 YSI 00 cm DI FUNCTION full, taken to o	LOGGER 2016 DOV WATER SLODGED IAL wet Office and do LOGGER 2017 DOV WATER	WNLOAD TI R TEMP LOGG no IF OWNIOADED, SERIAL # WNLOAD TI R TEMP LOGG ye IF	d/s of ME 1.5 GER CO RE DRY, HI COMMI change	AIR TEMP NOITIONS ASON EIGHT ABOVE 2226322 13:08 AIR TEMP NOITIONS ASON EIGHT ABOVE ENTS	6.0 WATER N 108930	UTM CREW ICE CO	DND	SO 648 TIONS TETHE	BC B	TE none alder
OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH 20 BURIED no PL#29 DW nload failed, memory Dew stainless steel cable Deeds anchor upgrade ITE ID pineDN OGGER TYPE OWNLOAD DATE EST RECORDER TYPE WATER DEPTH 10 BURIED no out dow nloaded, "full shuw ung to shore still wet	Tidbit 17 Jan-17 YSI 00 cm DI FUNCTION full, taken to o	LOGGER 2016 DOV WATER SLODGED IAL wet Office and do LOGGER 2017 DOV WATER	WNLOAD TI R TEMP LOGG no IF OWNIOADED, SERIAL # WNLOAD TI R TEMP LOGG ye IF	d/s of ME 1.5 GER CO RE DRY, HI COMMI change	AIR TEMP NOITIONS ASON EIGHT ABOVE 2226322 13:08 AIR TEMP NOITIONS ASON EIGHT ABOVE ENTS	6.0 WATER N 108930	UTM CREW ICE CO	DND	SO 648 TIONS TETHE	BC B	TE none alder

Appendix V. Summary of temperature logger deployment dates and anticipated replacement dates.

Site ID	Serial #	Location	Date Deployed	Replace Date
gmsUP1	10676155	WAC Bennett Forebay	Jan 2016	2022
gmsUP2	10676160	WAC Bennett Forebay	Jan 2016	2022
gmsDN1	10635063	GMS Tailrace	Jan 2015	2021
gmsDN1BU	2038613	GMS Tailrace	Nov 2009	2015
gmsDN2	10669739	GMS Tailrace	Apr 2015	2021
gmsDN2BU	2038614	GMS Tailrace	Nov 2009	2015
pcnUP1	10635067	Peace Canyon Forebay	Apr 2015	2021
pcnDN2	10156317	Peace Canyon Tailrace	July 2014	2020
pcnDN2BU	10635061	Peace Canyon Tailrace	Apr 2015	2021
HalfUP1	9767573	Halfway Confluence - upstream	May 2011	2017
HalfUP2	10156319	Halfway Confluence - upstream	May 2014	2020
HalfDN2	10669748	Halfway Confluence - downstream	Apr 2015	2021
HalfDN2BU	10156314	Halfway Confluence - downstream	Jul 2013	2018
MobUP1	10887852	Moberly Confluence - upstream	Oct 2015	2021
MobUP2	10669754	Moberly Confluence - upstream	July 2016	2022
MobDN1	10676146	Moberly Confluence - downstream	Jan 2016	2021
MobDN1BU	10676147	Moberly Confluence - downstream	Jan 2016	2021
PineUP1	10669747	Pine Confluence - upstream	Apr 2015	2021
PineUP2	10635062	Pine Confluence - upstream	Jan 2015	2021
PineDN1	2225322	Pine Confluence - downstream	Sep 2008	2015
PineDN1BU	10893055	Pine Confluence - downstream	Jan 2017	2023
PineMS1	10893069	Pine Mainstem - upstream of Peace	Jul 2016	2022
PineMS2	10887856	Pine Mainstem - upstream of Peace	Apr 2016	2022
BeatMS1	10930732	Beatton Mainstem - upstream of Peace	Oct 2016	2022
BeatMS2	10930793	Beatton Mainstem - upstream of Peace	Nov 2016	2022
PouceUP1	10893059	Pouce Coupe confluence - upstream	Apr 2016	2022
PouceUP2	10893068	Pouce Coupe confluence - upstream	Apr 2016	2022