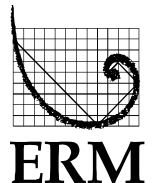


**BRUCEJACK GOLD MINE PROJECT**  
Application for an Environmental Assessment Certificate /  
Environmental Impact Statement

---

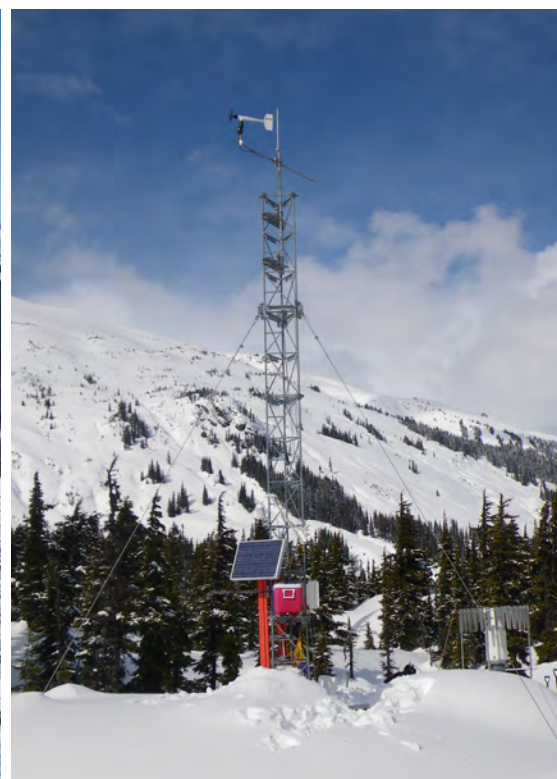
## **Appendix 7-A**

**Brucejack Gold Mine Project: 2012 Meteorology  
Baseline Report**



Pretium Resources Inc.

# BRUCEJACK GOLD MINE PROJECT 2012 Meteorology Baseline Report



Rescan™ Environmental Services Ltd.  
Rescan Building, Sixth Floor - 1111 West Hastings Street  
Vancouver, BC Canada V6E 2J3  
Tel: (604) 689-9460 Fax: (604) 687-4277

April 2013

# BRUCEJACK GOLD MINE PROJECT 2012 METEOROLOGY BASELINE REPORT

April 2013  
Project #1042-009-12

Citation:

Rescan. 2013. *Brucejack Gold Mine Project: 2012 Meteorology Baseline Report*. Prepared for Pretium Resources Inc. by Rescan Environmental Services Ltd.: Vancouver, British Columbia.

Prepared for:



Pretium Resources Inc.

Prepared by:



Engineers and Scientists

Rescan™ Environmental Services Ltd.  
Vancouver, British Columbia

# Executive Summary

# Executive Summary

---

The Brucejack Property is situated within the Kitimat-Stikine Regional District, approximately 950 km northwest of Vancouver, 65 km north-northwest of Stewart, and 21 km south-southeast of the Eskay Creek Mine. A baseline meteorology study was initiated for the Brucejack Gold Mine Project in the fall of 2009 to characterize local meteorological conditions.

The scope of the baseline study was to characterize meteorological conditions in the Project area through the installation and operation of three automated meteorological stations. The Brucejack Lake, Scott Creek, and Wildfire Creek meteorological stations consist of a standard 10-metre meteorological tower with instrumentation to measure wind speed, wind direction, air temperature, barometric pressure, relative humidity, solar radiation, and precipitation. The Brucejack Lake station was installed in September 2009, the Scott Creek station was installed in July 2010, and the Wildfire Creek station was installed in August 2011. A satellite telemetry system was added to the Brucejack Lake station during October 2012 to allow for remote access to the station's data. This report presents data recorded since the installation of each station.

The observed temperature range in the Brucejack Gold Mine Project area is typical of northwest British Columbia, and consists of a winter period (November to March) of mean monthly temperatures below freezing (-4 to -20°C) and a warmer summer period (June to September) with mean monthly temperatures between 5°C and 20°C. The spring (April and May) and autumn (late September to November) are cool at low elevations and colder at high elevations, as expected in the mountainous environments of BC, and provide a transition between the winter and summer temperatures. Temperatures recorded at the Project stations were comparable with regional meteorological stations. Overall, with the exception of spring 2011, temperatures in Northern BC in each season of 2010 to 2012 were higher than the average of the past 65 years.

A decreasing precipitation gradient exists from west to east within the region, and precipitation tends to be greater at higher elevations, which is to be expected. In the region the wettest periods are typically recorded during the fall. Based on a regional precipitation model, mean annual precipitation in the Project area is expected to range from 1,000 to 2,200 mm (Wang et al. 2006). Average annual adjusted precipitation between 2010 and 2012 was 1,589 mm at the Brucejack station. Average annual adjusted precipitation between 2011 and 2012 was 1,238 mm at the Scott Creek station. At Wildfire Creek station the 2012 annual adjusted precipitation was 827 mm. Precipitation values from all three Project stations were adjusted for undercatch due to wind, and missing or invalid precipitation data from Scott Creek and Brucejack Lake stations were filled using regression analysis. Data-filling using the regression analysis was not possible for data collected from the Wildfire Creek station due to low correlation with the other two Project stations. Precipitation measured at the Project stations were comparable with regional meteorological stations as well. Overall, Northern BC's annual precipitation in 2010, 2011 and 2012 was dryer than the average annual precipitation of the past 64 years. The most notable seasonal exception was the summer of 2011 which had the highest precipitation compared to the past 65 summers, in the Northern BC region.

Wind blew predominantly from the east to east-southeast at the Brucejack Lake station with wind speeds exceeding 6 m/s approximately 45% of the time. At the Scott Creek meteorological station, wind blew predominantly from the north and the southwest, with wind speeds exceeding 6 m/s less than 2% of the time. Wind at the Wildfire Creek station predominantly blew from the east-southeast, blowing from that direction 17% of the time. Calm winds (hourly average wind speed below 1 m/s) at the Wildfire station accounted for 29% of the records, and wind speeds exceeded 6 m/s less than 1% of the time. Winds at the Scott Creek station were also much calmer than Brucejack. Calms were experienced 23% of the time at Scott Creek and 4% of the time at Brucejack Lake.

## 2012 METEOROLOGY BASELINE REPORT

Global solar radiation and net radiation are measured at the automated stations. Net radiation generally exhibited an energy deficit during the winter months (October through May) and an energy surplus throughout the summer (June through September).

Barometric pressure corrected to sea level ranged from 97 to 104 kPa at all site-specific meteorological stations during the study period.

Snow depth generally peaks between February and March throughout the Project area, with peak depths between 0.5 and 2.3 m depending on the measurement location. Snow surveys conducted in April of 2011 and 2012 at two different locations measured snow water equivalents between 61 and 134 cm. Snow depth is highly dependent on location as exposed, wind-swept areas are subject to shallow snow depths. Snow depths measured at the Project stations were comparable with regional meteorological station snow depths as well.

# Acknowledgements

## Acknowledgements

---

This report was produced for Pretium Resources Inc. by Rescan Environmental Services Ltd. It was written by Cheryl Zandbergen (B.Sc.) and Daniel Casanova (B.Sc.), with technical review by Derek Shaw (M.A.Sc. P.Eng). Greg Norton (M.Sc.) was the project manager and Nicole Bishop (B.Sc.) the project coordinator. Graphics production was coordinated by Francine Alford (B.F.A.), GIS production was coordinated by Pieter van Leuzen (M.Sc.) and report production was coordinated by Robert Tarbuck (BTECH). Field work was conducted by Jem Morrison (B.Sc.), Emerson Belland (B.Sc.), Chris Doughty (B.Sc.), Matt MacDonald (B.Sc.), Calvin Pin and Daniel Casanova. William Pierre, Bradley Harris, Jordan Hunter, and Emerson Belland provided field assistance.



# Table of Contents

# BRUCEJACK GOLD MINE PROJECT

## 2012 METEOROLOGY BASELINE REPORT

### Table of Contents

---

- Executive Summary ..... i
- Acknowledgements..... iii
- Table of Contents ..... v
  - List of Figures ..... vi
  - List of Tables .....vii
  - List of Plates .....vii
  - List of Appendices .....viii
- Acronyms and Abbreviations ..... ix
- 1. Introduction ..... 1-1
- 2. Project Description.....2-1
- 3. Background Information.....3-1
  - 3.1 Relevant Legislation .....3-1
  - 3.2 Regional Data .....3-1
- 4. Objectives .....4-1
- 5. Study Area .....5-1
- 6. Methodology.....6-1
  - 6.1 Site-specific Meteorological Stations .....6-1
  - 6.2 Precipitation Data Processing .....6-5
    - 6.2.1 Precipitation Classification .....6-5
    - 6.2.2 Wind Induced Undercatch Adjustment .....6-6
    - 6.2.3 Estimating Missing Precipitation Data .....6-8
  - 6.3 Snow Surveys .....6-8
  - 6.4 Quality Assurance/Quality Control (QA/QC)..... 6-10
- 7. Results.....7-1
  - 7.1 Air Temperature .....7-1
  - 7.2 Precipitation ..... 7-11
  - 7.3 Snow Depth..... 7-18
  - 7.4 Wind ..... 7-22
  - 7.5 Solar Radiation..... 7-26

7.6 Barometric Pressure ..... 7-30  
 7.7 Snow Surveys ..... 7-30  
 8. Summary .....8-1  
 References..... R-1

**List of Figures**

<b>FIGURE</b>	<b>PAGE</b>
Figure 2-1. Brucejack Gold Mine Project Overview .....	2-2
Figure 3.2-1. Locations of Onsite and Regional Meteorological Stations, and Onsite Snow Course Surveys .....	3-2
Figure 7.1-1. Brucejack Lake Daily Air Temperature .....	7-12
Figure 7.1-2. Scott Creek Daily Air Temperature .....	7-13
Figure 7.1-3. Wildfire Creek Daily Air Temperature .....	7-14
Figure 7.2-1. Brucejack Lake Adjusted Daily Total Precipitation.....	7-15
Figure 7.2-2. Scott Creek Adjusted Daily Total Precipitation .....	7-16
Figure 7.2-3. Wildfire Creek Adjusted Daily Total Precipitation.....	7-17
Figure 7.3-1. Brucejack Lake Hourly Snow Depth .....	7-19
Figure 7.3-2. Scott Creek Hourly Snow Depth .....	7-20
Figure 7.3-3. Wildfire Creek Hourly Snow Depth .....	7-21
Figure 7.4-1. Brucejack Lake Annual, Summer, and Winter Windroses Based on Hourly Data, 2010 to 2012.....	7-23
Figure 7.4-2. Scott Creek Annual, Summer, and Winter Windroses Based on Hourly Data, 2011 to 2012.....	7-24
Figure 7.4-3. Wildfire Creek Annual, Summer, and Winter Windroses Based on Hourly Data, 2011 to 2012.....	7-25
Figure 7.5-1. Brucejack Lake Hourly Solar Radiation .....	7-27
Figure 7.5-2. Scott Creek Hourly Solar Radiation .....	7-28
Figure 7.5-3. Wildfire Creek Hourly Solar Radiation .....	7-29
Figure 7.6-1. Brucejack Lake Hourly Barometric Pressure .....	7-31
Figure 7.6-2. Scott Creek Hourly Barometric Pressure.....	7-32
Figure 7.6-3. Wildfire Creek Hourly Barometric Pressure .....	7-33

**List of Tables**

<b>TABLE</b>	<b>PAGE</b>
Table 3.2-1. Summary of Regional Meteorological Stations in the Snowfield and Brucejack Region.....	3-1
Table 6.1-1. UTM Coordinates of the Brucejack Lake, Scott Creek, and Wildfire Creek Monitoring Stations.....	6-2
Table 6.1-2. Sensors and Variables Measured at the Brucejack Lake Meteorological Station .....	6-4
Table 6.1-3. Sensors and Variables Measured at the Scott Creek Meteorological Station .....	6-4
Table 6.1-4. Sensors and Variables Measured at the Wildfire Creek Meteorological Station .....	6-5
Table 6.1-5. The Beaufort Wind Force Scale .....	6-5
Table 6.3-1. Brucejack Project Snow Survey Locations .....	6-9
Table 7-1. Brucejack Lake Meteorological Data Summary .....	7-2
Table 7-2. Scott Creek Meteorological Data Summary.....	7-4
Table 7-3. Wildfire Creek Meteorological Data Summary .....	7-6
Table 7-4. Historical Brucejack Lake MSC Meteorological Data Summary, 1988 to 1990 .....	7-1
Table 7-5. Historical Unuk River Eskay Creek MSC Meteorological Data Summary, 1984 to 2010.....	7-2
Table 7-6. Historical Bob Quinn AGS MSC Meteorological Data Summary, 1977 to 1994.....	7-3
Table 7-7. Historical Stewart Airport MSC Meteorological Data Summary, 1974 to 2012.....	7-4
Table 7-8. Climate Trends and Variations for Northern BC and Yukon Region .....	7-11
Table 7.7-1. Snow Course Survey Results, 2011 and 2012.....	7-30

**List of Plates**

<b>PLATE</b>	<b>PAGE</b>
Plate 6.1-1. Brucejack Lake meteorological monitoring station, October 2012. ....	6-1
Plate 6.1-2. Scott Creek meteorological monitoring station, March 2012.....	6-2
Plate 6.1-3. Wildfire Creek meteorological monitoring station, September 2012. ....	6-2
Plate 6.2-1. Laminar wind tunnel airflow around an unshielded precipitation gauge orifice (Rasmussen et al. 2012). ....	6-7
Plate 6.2-2. Model showing airflow (vectors) and snowflake trajectories (dashed lines) past a typical unshielded snow gauge. Oncoming airflow is 5 m/s, and the snowflake fall speed is 1 m/s (Rasmussen et al. 2012). ....	6-7
Plate 6.3-1. Snow course survey at SC-01, Wildfire Creek area, April 4, 2012. ....	6-9

Plate 6.3-2. Snow course survey at SC-02, Brucejack Lake area. Looking southwest, April 4, 2012. ...6-9

### List of Appendices

- Appendix 1. Snow Course Water Management Sheets
- Appendix 2. Mean Daily Air Temperature (°C)
- Appendix 3. Daily Maximum Air Temperature (°C)
- Appendix 4. Daily Minimum Air Temperature (°C)
- Appendix 5. Total Daily Precipitation (mm)
- Appendix 6. Total Daily Rainfall (mm)
- Appendix 7. Total Daily Snow-water-equivalent (mm)

## Acronyms and Abbreviations

## Acronyms and Abbreviations

---

Terminology used in this document is defined where it is first used. The following list will assist readers who may choose to review only portions of the document.

°C	Degrees Celsius
BCEAA	British Columbia Environmental Assessment Act
BCEAO	British Columbia Environmental Assessment Office
BCMOE	British Columbia Ministry of Environment
CE	Catch Efficiency
CEAA	Canadian Environmental Assessment Act
cm	Centimetres
EAC	Environmental Assessment Certificate
EC	Environment Canada
kPa	Kilo Pascals
m/s	Metres per second
masl	Metres above sea level
MFLNRO	Ministry of Forests, Lands and Natural Resource Operations
MOT	Ministry of Transportation and Infrastructure
mm	Millimetres
MSC	Meteorological Services of Canada
Pretium	Pretium Resources Inc.
SWE	Snow-water-equivalent
The Project	The Brucejack Gold Mine Project
TBRG	Tipping bucket rain gauge
WMO	World Meteorological Organization
W/m <sup>2</sup>	Watts per square metre

# 1. Introduction



# 1. Introduction

---

This report presents the results of the Meteorology Baseline Study for the proposed Brucejack Lake Project (the Project) undertaken in 2009, 2010, 2011 and 2012. The purpose of the study was to collect information that will be used to plan the Project, prepare a description of the environmental setting, and assess potential environmental effects of the Project as it moves through the various design, permitting, and development phases. Wind and air temperature data are required for air dispersion modelling to determine the Project's potential air quality effects. Solar radiation and precipitation data provide information for the design of water management infrastructure and water balance calculations.

Meteorological conditions in the area of the Project are expected to have high spatial variability due to complex topography, and regional gradients in key climate parameters such as precipitation and air temperature. There is no current regional meteorological data near the Project, thus site-specific monitoring was deemed necessary.

## 2. Project Description

## 2. Project Description

---

Pretium Resources Inc. (Pretivm) proposes to develop the Project as a 2,700 tonne per day (tpd) underground gold and silver mine. The Brucejack property is located at 56°28'20" N latitude by 130°11'31" W longitude, which is approximately 950 km northwest of Vancouver, 65 km north-northwest of Stewart, and 21 km south-southeast of the closed Eskay Creek Mine (Figure 2-1). The Project is located within the Kitimat-Stikine Regional District. Several First Nation and Treaty Nations have traditional territory within the general region of the Project including the Skii km Lax Ha, the Nisga'a Nation, the Tahltan Nation, the Gitxan First Nation, and the Gitanyow First Nation.

The mine site area will be located near Brucejack Lake. Vehicle access to the mine site will be via an existing exploration access road from Highway 37 that may require upgrades to facilitate traffic during mine operations. A transmission line will connect the mine site to the provincial power grid near Stewart or along Highway 37; two options are currently under consideration.

The Project is located within the boundary range of the Coast Mountain Physiographic Belt, along the western margin of the Intermontane Tectonic Belt. The local terrain ranges from generally steep in the western portion of the Project area in the high alpine with substantial glacier cover to relatively subdued topography in the eastern portion of the Project area towards the Bell-Irving River. The Brucejack mine site will be located above the tree line in a mountainous area at an elevation of approximately 1,400 masl; surrounding peaks measure 2,200 m in elevation. The access and transmission corridors will span a range of elevations and ecosystems reaching a minimum elevation near the Bell Irving River of 500 masl. Sparse fir, spruce, and alder grow along the valley bottoms, with only scrub alpine spruce, juniper, alpine grass, moss, and heather covering the steep valley walls.

The general area of the Brucejack Property has been the target of mineral exploration since the 1960s. In the 1980s Newhawk Gold Mines Ltd. conducted advanced exploration activities at the current site of the proposed Brucejack mine site that included 5 km of underground development, construction of an access road along the Bowser River and Knipple Glacier, and resulted in the deposition of 60,000 m<sup>3</sup> of waste rock within Brucejack Lake.

Environmental baseline data were collected from Brucejack Lake and the surround vicinity in the 1980s to support a Stage I Impact Assessment for the Sulphurets Project proposed by Newhawk Gold Mines Ltd. Silver Standard Resources Inc. commenced recent environmental baseline studies specific to the currently proposed Project in 2009 which have been continued by Pretivm, following its acquisition of the Project in 2010. The scope and scale of the recent environmental baseline programs have varied over the period from 2009 to the present as the development plan for the Project has evolved.

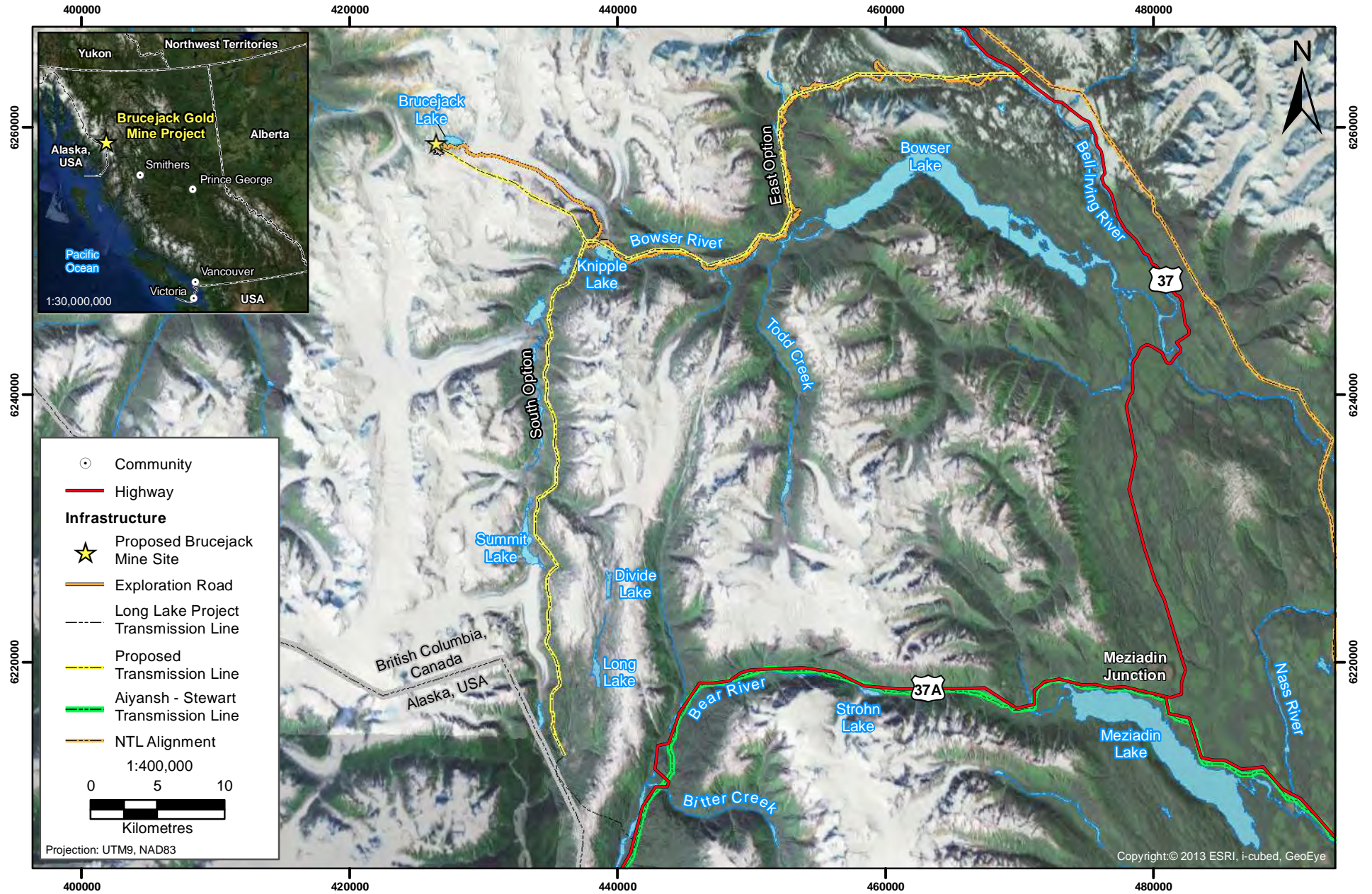


Figure 2-1

Figure 2-1

### 3. Background Information

## 3. Background Information

---

### 3.1 RELEVANT LEGISLATION

The Canadian Environmental Assessment Act (CEAA) requires that the environment is protected from significant adverse environmental effects caused by a designated project (Canadian Environmental Assessment Agency 2012). It states that an environmental assessment is required if the activity may cause adverse environmental effects. The British Columbia Environment Assessment Act (BCEAA) states that an environmental assessment is required if a project may have a significant adverse environmental, economic, social, heritage or health effect (BCEAO 2002a). Air quality modelling is a component of the environmental assessment and meteorological baseline data is required for air quality modelling (BCMOE 2008, 2012).

### 3.2 REGIONAL DATA

The Project lies in a transition zone between the wet Pacific coastal region and the drier interior of British Columbia. The regional meteorological and hydrological climates of north-western British Columbia are primarily dominated by westward moving weather systems which develop over the Pacific Ocean, and are also influenced by orographic effects caused by the local mountainous topography and glaciers. This results in interactions between incoming weather systems and local topography that produce a degree of spatial variability in snowfall and rainfall. Based on a regional precipitation model, mean annual precipitation in the Project area is expected to range from 1,000 to 2,200 mm (Wang et al. 2006).

Generally, strong winds occur in all seasons at high elevations, blowing from the northeast, east, and southeast in cold months and from the south, southwest and west at other times. Winds at low elevations are funnelled through valleys with a light to moderate down-valley flow of Arctic air in cold months and a light up-valley flow of warm Pacific air at other times.

Recent meteorological studies have not previously been conducted within the Project area. However long-term historical data sets are available from several stations in the region that have been operated by EC's Meteorological Services of Canada (MSC) branch, including a station which was in operation from 1988 to 1990 near Brucejack Lake. Table 3.2-1 lists the most relevant meteorological stations operated by the MSC in the general Snowfield and Brucejack region. Figure 3.2-1 shows the location of these and additional regional meteorological stations with respect to the Project.

Regional stations are useful for providing a comparison to data collected by site specific meteorological stations particularly as Projects move through the engineering design phases.

**Table 3.2-1. Summary of Regional Meteorological Stations in the Snowfield and Brucejack Region**

Station	MSC Station ID	Station Location (with respect to the Project)	Elevation (masl)	Data Record Start	Data Record End
Brucejack Lake	1071092	<2 km from Brucejack Camp	1,372	July 1988	August 1990
Unuk River Eskay Creek	1078L3D	30 km north	887	November 1989	September 2010
Bob Quinn AGS	1200ROJ	56 km north	610	December 1977	April 1994
Stewart Airport	1067742	63 km south	7	December 1974	Present

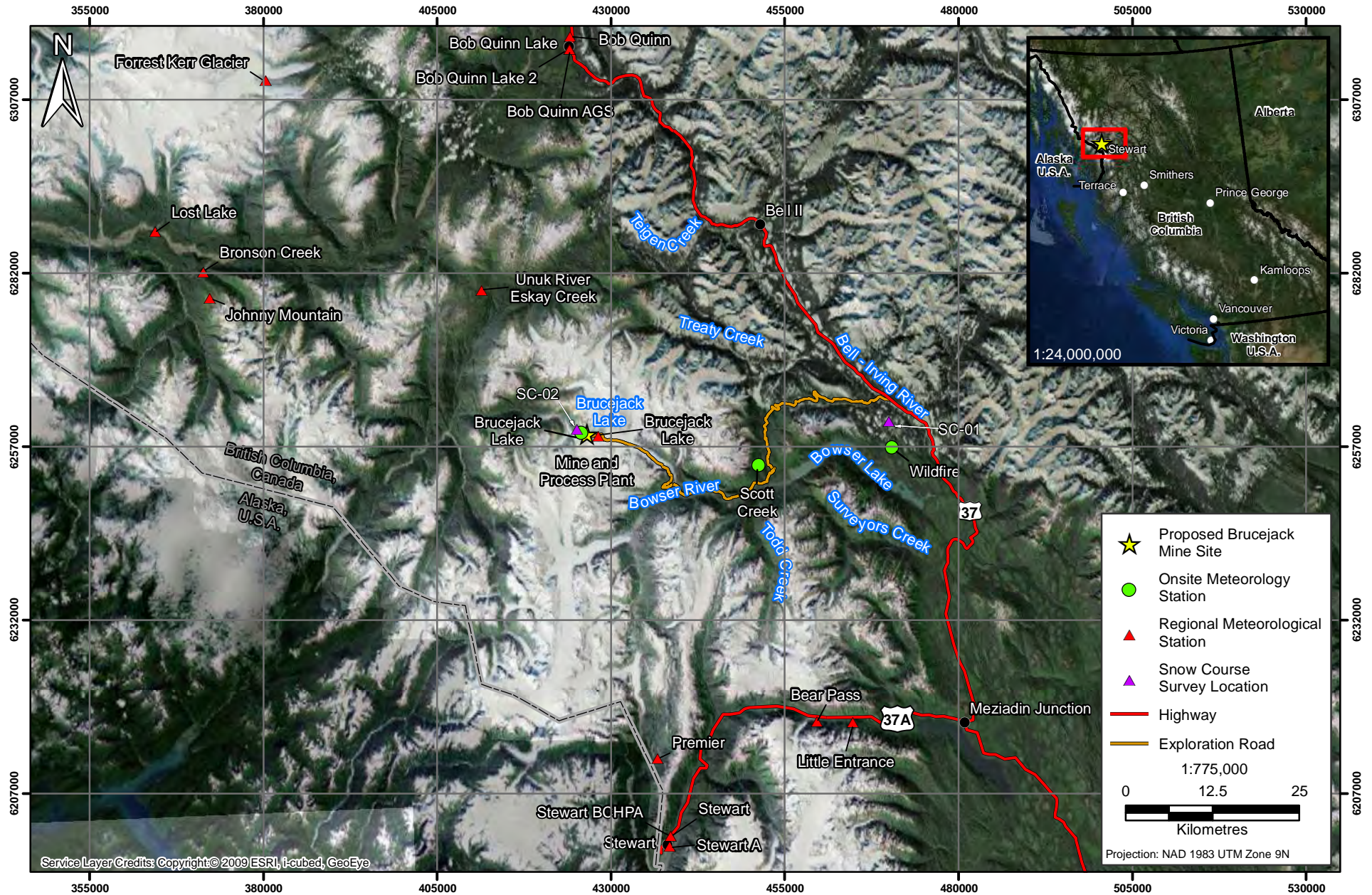


Figure 3.2-1



Locations of Onsite and Regional Meteorological Stations, and Onsite Snow Course Surveys

Figure 3.2-1



The BC Ministry of Forests and Range (MFLNRO) and Ministry of Transportation and Infrastructure (MOT) also have weather stations in the region but the data is only collected on a seasonal basis for forest fire forecasting and to schedule road maintenance. In addition, the MFLNRO and MOT quality assurance / quality control program for their weather stations is not comparable to the MSC programs. Since the MFLNRO and MOT stations are not maintained year round the data is not suitable for general comparison with the Project onsite data.



## 4. Objectives

## 4. Objectives

---

The objective of the meteorology baseline program is to characterize the recent climate conditions in the immediate vicinity of the Project. The objectives of the 2009 to 2012 monitoring period for the baseline program were to initiate and maintain site-specific monitoring of the following parameters near proposed Project infrastructure:

- temperature;
- relative humidity;
- precipitation;
- snow depth;
- barometric pressure;
- wind speed and direction; and
- net radiation and global solar radiation.

Due to the relatively large, diverse area the proposed infrastructure will cover, it was determined that three meteorology stations would be required; one at the high elevation deposit areas near Brucejack Lake, one at a lower elevation along the exploration road and near previously proposed infrastructure within the Scott Creek Valley, and one near the eastern end of the exploration access road and within the Wildfire Creek area near previously anticipated Project components. All site-specific data were reviewed and screened using standard procedures. All valid data has been summarized on a daily, monthly, and annual basis.

## 5. Study Area

## 5. Study Area

---

The study area of the 2009 to 2012 baseline monitoring program was limited to within or very near proposed Project infrastructure. Three meteorological stations have been installed. In 2009, focus was placed on initiating monitoring in the deposit area near Brucejack Lake. In 2010 and 2011 the study area expanded to the a site near Scott Creek and one near Wildfire Creek in response to evolving Project development plans.

## 6. Methodology

## 6. Methodology

---

The Project baseline meteorological study began in the fall of 2009 and has been on-going since that time. Meteorological baseline data summarized in this report were collected from three site-specific stations, set up and operated in accordance with British Columbia Ministry of Environment (BCMOE) and EC guidelines (BCMOE 2008, EC 2004). Below is a summary of the methods that were used for the study.

### 6.1 SITE-SPECIFIC METEOROLOGICAL STATIONS

The site-specific climate monitoring program for the Project began in October 2009 with the commissioning of the Brucejack Lake meteorological station (Plate 6.1-1) and was expanded in July 2010 with the commissioning of the Scott Creek meteorological station (Plate 6.1-2). Wildfire Creek meteorological station was commissioned in August 2011 in another expansion (Plate 6.1-3) of the study area.



*Plate 6.1-1. Brucejack Lake meteorological monitoring station, October 2012.*

The Brucejack Lake meteorological station was installed near the deposit. The Scott Creek meteorology station was installed in the lower Scott Creek valley near previously proposed Project infrastructure and near an approximate mid-point along the exploration access road. The Wildfire Creek station was installed near Wildfire Creek to support previously anticipated Project components. Figure 3-1 shows the locations of each station and Table 6.1-1 provides the geographic coordinates and operating periods for each station. The period of record presented in this report includes all meteorological data collected onsite from October 2009 through December 2012.



Plate 6.1-2. Scott Creek meteorological monitoring station, March 2012.



Plate 6.1-3. Wildfire Creek meteorological monitoring station, September 2012.

**Table 6.1-1. UTM Coordinates of the Brucejack Lake, Scott Creek, and Wildfire Creek Monitoring Stations**

Meteorological Station	Elevation (masl)	UTM Coordinates <sup>1</sup>		Operating Period	
		Easting (m)	Northing (m)	Start	Finish
Brucejack Lake	1,360	425,729	6,259,022	10/13/09	Active
Scott Creek	780	451,418	6,254,104	07/29/10	Active
Wildfire Creek	720	470,397	6,256,874	08/13/11	Active

Note: 1 Zone 9, Datum NAD83

Each of the meteorological stations consists of a standard 10 metre meteorological tower with instrumentation to measure the following parameters:

- wind speed and wind direction;
- air temperature;
- barometric pressure;
- relative humidity;
- snow depth;
- net radiation;
- solar radiation; and
- precipitation (as rainfall and total precipitation).

Each of the stations is powered by a 12 volt DC battery and a 20 watt solar panel. The station data is recorded to a Campbell Scientific CR1000 data logger. The data is saved on the meteorological station data logger at 5-minute intervals. At the conclusion of each day, the datalogger saves a 24-hour summary of the daily weather parameters. The data is downloaded from the datalogger every two to six months using a laptop computer in the field or by replacing the compact flash storage card attached to the datalogger with a second unit to allow downloading of the module offsite. A satellite telemetry system was installed (Plate 6.1-1) on the Brucejack Lake station in October 2012 to allow for remote access to the data. Data from the Brucejack Lake station is downloaded and reviewed on a bi-weekly to monthly basis. Two 90 watt solar panels were added to the station to power the telemetry system and two enclosures were added which house a Hughes 9502 BGAN M2M terminal, a Moxa 5110 server, and a deep cycle battery.

To ensure that each station collects representative data, all sensors were located according to guidelines set by the BCMOE and Environment Canada (BCMOE 2008, EC 2004). These guidelines have been established to promote standardization and describe practices, procedures and specification for the proper siting of instruments, precision and accuracy of measurements, and archive formats. The primary concerns when selecting an appropriate location for the meteorological stations were to avoid obstructions such as future infrastructure, or trees that could bias the wind speeds and directions and to avoid shaded areas that could bias solar radiation data.

At each station, all sensors, except for precipitation gauges, are mounted on a 10 m high galvanized steel tower which is supported using rock anchors drilled into bedrock. Three guy wires are installed to further stabilize the tower and prevent swaying under heavy winds. The wind anemometer is situated near the top of the tower below a lightning rod. The remaining instrumentation is located lower on the tower with the solar panels and datalogger enclosure approximately 3.5 m off the ground.

The GEONOR all-weather precipitation gauges are mounted on 2.5 m high, rock-anchored pedestals approximately 10 m from the base of each main tower. At each station, a tipping bucket rain gauge (TBRG) is also installed approximately 5 m from the base of the main tower. Both types of precipitation gauges are surrounded by a 1.2 m diameter alter wind screen, which are designed to reduce the effect of wind-undercatch on precipitation measurements.

TBRGs record reliable rainfall data during the summer months but do not record reliable data during months when temperatures are below 0°C due to their inability to convert snow to snow-water-equivalent (SWE) accurately. Data collected using the TBRGs are used primarily for data quality assurance purposes.

Tables 6.1-2 to 6.1-4 list the sensors operating on each of the stations, the parameters that they monitor, and the dates that they were installed.

All of the collected data were reviewed through a quality assurance and control procedure after being collected. Outliers and anomalous data recorded by sensors are flagged and, if determined to be caused by sensor malfunction, are removed to ensure that only real events are reported. For example, if wind direction records indicate the exact same direction for hours or days, the event would be flagged and analyzed to determine whether or not the wind vane was frozen due to snow or ice build-up.

A station's wind speeds are grouped into different bins depending on the average wind speed of each station. The Brucejack station has wind speeds grouped into: calm, 1-3, 3-5, 5-7, 7-9, 9-11, >11 m/s; and the Scott Creek and Wildfire stations have wind speeds grouped into: calm, 1-2, 2-3, 3-4, 4-5, 5-6, >6 m/s. Table 6.1-5 presents the Beaufort scale describing various wind speed classes.



**Table 6.1-2. Sensors and Variables Measured at the Brucejack Lake Meteorological Station**

Variable	Sensor	Manufacturer	Installation Date
Air Temperature & Relative Humidity	HMP45C212 Temperature & Relative Humidity Probe	Vaisala	10/13/2009
Precipitation – rainfall	TE525WS Tipping Bucket Rain Gauge	Texas Electronics	07/28/2010
Precipitation – total (i.e., snowfall and rainfall)	T200B Weighing Precipitation Gauge, 1,000 mm capacity	GEONOR	10/13/2009
Snow Depth	SR50A Sonic Ranger 50 kHz Ultrasonic Snow Depth Sensor	Campbell Scientific Inc.	10/13/2009
Barometric Pressure	61205V Barometer	R. M. Young Company	10/13/2009
Wind Speed & Direction	05305-10 Air Quality Wind Speed/ Direction Sensor	R. M. Young Company	10/13/2009
Net Radiation	NR-Lite Net Radiometer	Kipp & Zonen	10/13/2009
Global Solar Radiation	SP-Lite Silicon Pyranometer	Kipp & Zonen	10/13/2009
N/A	CR1000-XT Datalogger	Campbell Scientific Inc.	10/13/2009
N/A	CFM100-XT Compact Flash Module	Campbell Scientific Inc.	10/13/2009
N/A	9502 BGAN M2M Satellite Terminal and Antenna	Hughes	10/17/2012
N/A	5110 Serial-to-ethernet Server	Moxa	10/17/2012

Note: N/A = not applicable

**Table 6.1-3. Sensors and Variables Measured at the Scott Creek Meteorological Station**

Variable	Sensor	Manufacturer	Installation Date
Air Temperature & Relative Humidity	HMP45C212 Temperature & Relative Humidity Probe	Vaisala	07/27/2010
Precipitation – rainfall	TE525WS Tipping Bucket Rain Gauge	Texas Electronics	07/27/2010
Precipitation – total (i.e., snowfall and rainfall)	T200BMD Weighing Precipitation Gauge, 1,500 mm capacity	GEONOR	09/08/2010
Snow Depth	SR50A Sonic Ranger 50 kHz Ultrasonic Snow Depth Sensor	Campbell Scientific Inc.	07/27/2010
Barometric Pressure	61302V Barometer	R. M. Young Company	07/27/2010
Wind Speed & Direction	05305-10 Air Quality Wind Speed/ Direction Sensor	R. M. Young Company	07/27/2010
Net Radiation	NR-Lite2 Net Radiometer	Kipp & Zonen	07/27/2010
Global Solar Radiation	SP-Lite2 Silicon Pyranometer	Kipp & Zonen	07/27/2010
N/A	CR1000-XT Datalogger	Campbell Scientific Inc.	07/27/2010
N/A	CFM100-XT Compact Flash Module	Campbell Scientific Inc.	07/27/2010

Note: N/A = not applicable

**Table 6.1-4. Sensors and Variables Measured at the Wildfire Creek Meteorological Station**

Variable	Sensor	Manufacturer	Installation Date
Air Temperature & Relative Humidity	HMP45C212 Temperature & Relative Humidity Probe	Vaisala	08/13/2011
Precipitation – rainfall	TE525WS Tipping Bucket Rain Gauge	Texas Electronics	08/13/2011
Precipitation – total (i.e., snowfall and rainfall)	T200B Weighing Precipitation Gauge, 600 mm capacity	GEONOR	08/13/2011
Snow Depth	SR50A Sonic Ranger 50 kHz Ultrasonic Snow Depth Sensor	Campbell Scientific Inc.	08/13/2011
Barometric Pressure	61302V Barometer	R. M. Young Company	08/13/2011
Wind Speed & Direction	05305-10 Air Quality Wind Speed/ Direction Sensor	R. M. Young Company	08/13/2011
Net Radiation	NR-Lite2 Net Radiometer	Kipp & Zonen	08/13/2011
Global Solar Radiation	SP-Lite2 Silicon Pyranometer	Kipp & Zonen	08/13/2011
N/A	CR1000-55 Datalogger	Campbell Scientific Inc.	08/13/2011
N/A	CFM100-XT Compact Flash Module	Campbell Scientific Inc.	08/13/2011

Note: N/A = not applicable

**Table 6.1-5. The Beaufort Wind Force Scale**

Wind Speed (m/s)	Description	Land Conditions
< 0.3	Calm	Calm, smoke rises vertically
0.3 - 1.5	Light air	Smoke drifts, leaves are stationary
1.6 - 3.4	Light breeze	Leaves rustle
3.5 - 5.4	Gentle breeze	Leaves and small twigs constantly move
5.5 - 7.9	Moderate breeze	Small branches move
8.0 - 10.7	Fresh breeze	Small trees sway
10.8 - 13.8	Strong breeze	Large branches move
13.9 - 17.1	Near gale	Whole trees in motion, effort needed to walk against the wind
17.2 - 20.7	Gale	Some twigs broken from trees
20.8 - 24.4	Strong gale	Some branches break, small trees blow over
24.5 - 28.4	Storm	Trees break or uproot, shingles begin to peel off roofs
28.5 - 32.6	Violent storm	Widespread damage to vegetation, many roofing surfaces damaged

Source: (Met Office 2010)

## 6.2 PRECIPITATION DATA PROCESSING

### 6.2.1 Precipitation Classification

GEONOR Model T-200B all-season precipitation gauges are used to measure rain and snow-water-equivalence at all three of the Project meteorological stations, while tipping bucket rain gauges are used to only measure rainfall and are installed close to the GEONOR gauges at the meteorological stations. TBRGs were used alongside GEONOR gauges as an additional source of rainfall measurements and to help verify and validate measurements from the GEONOR gauge. If the daily mean air temperature was above 2°C, the daily precipitation value was the maximum of the TBRG and GEONOR gauge measurements. If the daily mean air temperature was below 0°C, the daily precipitation value was taken from the GEONOR gauge measurement. If the daily mean temperature was between 0 and 2°C, the daily precipitation value was the average of the two gauge measurements.

Total precipitation was then separated into daily rainfall and snowfall (as SWE) based on daily air temperature data and followed the methodology provided in *Chapter 8: The UBC Watershed Model, Computer Models of Watershed Hydrology* (Quick 1995). The algorithm is as follows:

If  $T \geq 2$  then  
 $R = P$   
 $SWE = 0$

If  $T \leq 0$  then  
 $R = 0$   
 $SWE = P$

If  $0 < T < 2$  then  
 $R = P \times T/2$   
 $SWE = P \times (1 - (T/2))$

where  $T =$  Daily Mean Air Temperature ( $^{\circ}\text{C}$ )  
 $P =$  Daily Precipitation (mm)  
 $R =$  Daily Rainfall (mm)  
 $SWE =$  Daily Snow-Water-Equivalent (mm)

### 6.2.2 Wind Induced Undercatch Adjustment

Of all the atmospheric variables to monitor, precipitation type and amount are consistently the most challenging. Despite recent technological developments in monitoring instrumentation, properly capturing the true amount of precipitation remains a challenge. Most precipitation gauges, including the GEONOR T-200B series, have a precipitation collection orifice located above ground level, which results in wind turbulence being generated in the vicinity of the gauge. The amount of air turbulence generated depends on the gauge shape and the wind speed. The turbulence alters the trajectory of a falling precipitation particle, and can cause the particle to miss the precipitation gauge's collection orifice completely. The difficulty is further exacerbated when dealing with crystalline precipitation (i.e., snow). Because of snow's lighter form, it is more easily transported by the wind and affected by air turbulence around the precipitation gauge (Thériault et al. 2012). Plate 6.2-1 presents an example of the modified wind flow around a precipitation gauge orifice, and Plate 6.2-2 shows modelled trajectories of snowflakes as they approach a precipitation gauge orifice (Rasmussen et al. 2012). Each GEONOR precipitation gauge used at the Project is fitted with an Alter wind screen, which reduces wind speed around the gauge thus decreasing, but not eliminating, the amount of wind induced undercatch. Despite installation of Alter wind screens, wind induced undercatch can be substantial (Rasmussen et al. 2012), but it can be accounted for utilizing literature-based catch efficiencies.

Several catch efficiency (CE) equations have been developed to address snow undercatch using different precipitation gauges. The method used in this report was developed by MacDonald and Pomery (M & P 2007) and was developed to quantify the catch efficiency of GEONOR T-200B precipitation gauges with single Alter wind screens.

The catch efficiency equation developed by M & P is:

$$CE = 1.01 \times \exp(-0.09 \times U)$$

Where CE is the catch efficiency referenced to true snowfall, and U is the wind speed (m/s) at the GEONOR orifice gauge height. Note that it is assumed that 1 cm of snowfall is equal to 1 mm of snow-water-equivalent (SWE) or precipitation (EC 2010). These undercatch equations are not applied to rainfall as the catch efficiency is near 100% for all wind speeds (C. Smith, pers. comm.).



Plate 6.2-1. Laminar wind tunnel airflow around an unshielded precipitation gauge orifice (Rasmussen et al. 2012).

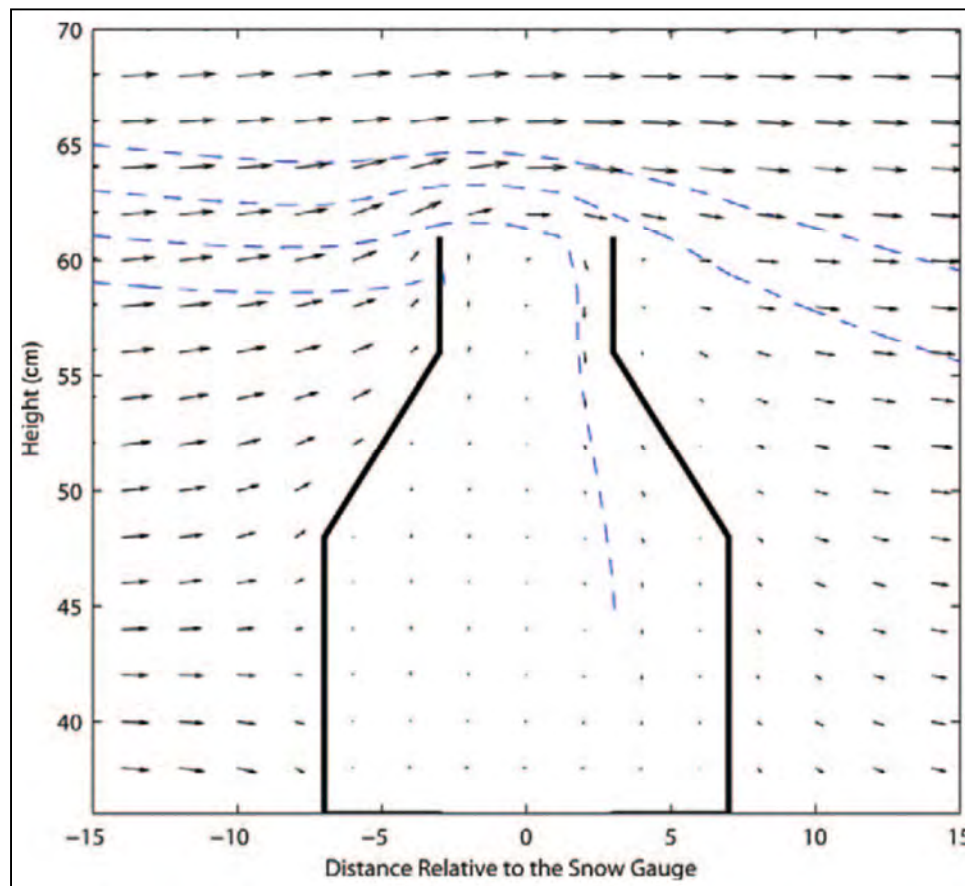


Plate 6.2-2. Model showing airflow (vectors) and snowflake trajectories (dashed lines) past a typical unshielded snow gauge. Oncoming airflow is 5 m/s, and the snowflake fall speed is 1 m/s (Rasmussen et al. 2012).

The M & P equation was developed using event-based snowfall with wind speed averaged over 15-minute intervals. For this report, the equation was applied to daily total SWE and daily mean wind speed datasets. The catch efficiency calculations were applied to the Brucejack Lake, Scott Creek, and Wildfire Creek historical datasets (i.e., 2009 through 2012).

Because each catch efficiency equation requires wind speed at the precipitation gauge orifice, the logarithmic wind profile (assuming neutral vertical stability; Stull 1999) was used to estimate precipitation gauge orifice height wind speeds. The logarithmic wind profile equation is:

$$U_2 = U_1 \times (\ln(z_2/z_0) / \ln(z_1/z_0))$$

Where  $U_1$  is the wind speed at height above ground  $z_1$ ,  $U_2$  is the wind speed at height above the ground  $z_2$ , and  $z_0$  is the surface roughness length. For this report,  $z_0$  was assumed to be 0.017 m which is a typical value for snow covered ground (Stull 1999),  $z_1$  was 10 m,  $U_1$  was the daily mean wind speed (m/s) measured at 10 m above the ground,  $z_2$  was 2.5 or 3.5 m depending on the height of the GEONOR. The  $z_2$  and  $z_1$  values were assumed to remain constant for each meteorological station although in reality the values would change with fluctuating snow peak levels.

### 6.2.3 Estimating Missing Precipitation Data

Where possible, any missing daily precipitation data from Brucejack Lake or Scott Creek stations were estimated from valid data recorded at the other station. Missing data recorded at the Wildfire Creek station could not be estimated because that station did not have a strong enough relationship with the other two Project stations. Approximately 18% of the precipitation data were estimated using the methodology below.

Missing daily precipitation data were calculated using the following linear equation which was derived by using orthogonal regression on the concurrent historical October 2010 to December 2012 monthly precipitation between Brucejack Lake and Scott Creek stations. Orthogonal regression was used as the resulting equations had better  $R^2$  values than using regular linear regression. The derived equation and its  $R^2$  value are as follows:

$$S_p = 1.7514 \times B_p - 20.2141 ; R^2:0.70$$

Where  $S_p$  and  $B_p$  are the precipitation values, in millimetres, at the Scott Creek and Brucejack stations, respectively. As the equation was developed using the monthly dataset but applied to the daily dataset the offset value (i.e., -20.2141) was divided by the average number of days per month (i.e., 30.5). When using this equation, any resulting negative precipitation values were set to zero.

## 6.3 SNOW SURVEYS

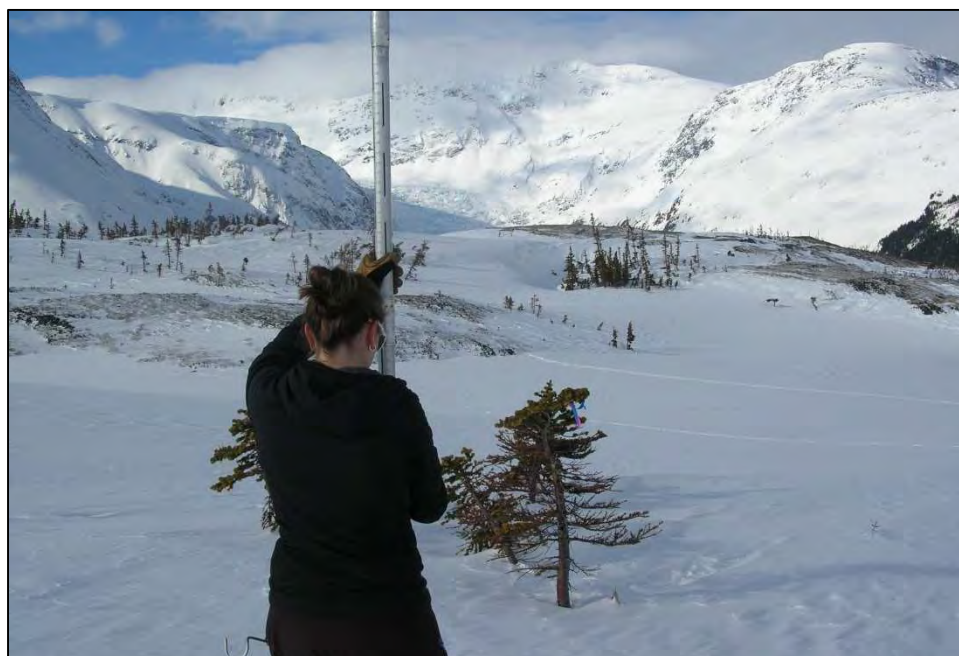
In April 2011, two snow surveys were established near the Brucejack Lake and Wildfire Creek meteorological stations, to determine snow depths and snow water equivalents (SWE). Sampling was performed in April 2011 and April 2012 in order to try to record peak SWE levels in each year. Snow cores were taken at 20 m intervals along 200 m transects at specific courses within the Project area (Figure 3-1 and Table 6.3-1). The Wildfire Creek area snow course survey (SC-01, Plate 6.3-1) was performed according to British Columbia Ministry of Environment standards (MOE 1981). The Brucejack Lake area snow course (SC-02, Plate 6.3-2) deviated from these standards due to extreme wind transport and lack of tree cover in the area. The course was set around multiple clumps of small trees. The sampling sites were the most representative of the area, with snow relocation believed to be at a minimum. Average snow depths and average SWEs were then calculated for each snow course. Detailed water management sheets for each snow course are provided in Appendix 1.

**Table 6.3-1. Brucejack Project Snow Survey Locations**

Snow Course ID	Site Area	Elevation (m)	Zone (NAD 83)	UTM Easting (m)	UTM Northing (m)
SC-01	Wildfire Creek	790	9V	469,976	6,260,782
SC-02	Brucejack Lake	1,260	9V	425,112	6,259,509



*Plate 6.3-1. Snow course survey at SC-01, Wildfire Creek area, April 4, 2012.*



*Plate 6.3-2. Snow course survey at SC-02, Brucejack Lake area. Looking southwest, April 4, 2012.*

#### 6.4 QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)

Meteorological station site visits were conducted by experienced technicians to ensure proper troubleshooting and maintenance were carried out. Detailed trip reports were prepared to document field observations. Meteorological sensors were swapped, as needed, to ensure measurements were accurate, and to recalibrate old sensors. Stations were located, set up and operated following British Columbia and Environment Canada guidelines (BCMOE 2008, EC 2004).

All meteorological data were reviewed after collection in order to filter out or correct any erroneous values. The screening process used by Rescan draws on screening criteria used by the United States Environmental Protection Agency (US EPA 2000) and Environment Canada (EC 2004), as well as using professional judgement. Any erroneous data were marked as missing, and after data were screened, the recorded hourly and daily values were analysed and processed into daily and monthly summaries.

Snow course surveys were also performed by experienced technicians. Detailed field notes and measurements were recorded (see Appendix 1), and standard snow survey sampling procedures developed by the BC Ministry of Environment (BCMOE 1981) were followed. Field data were then reviewed using guidelines in the BC MOE Snow Survey Sampling Guide (BCMOE 1981) and by using professional judgement in order to filter out or correct any erroneous values. Afterwards the data were processed into monthly summaries.

## 7. Results



## 7. Results

---

Air temperature, precipitation, snow depth, wind, solar radiation, and barometric pressure data are summarized in the sections below. Tables 7-1 to 7-3 provide a summary of the available meteorological data at each onsite station. Daily temperature and precipitation records can be found in Appendices 5 through 7.

Tables 7-4 to 7-7 provide a summary of the available data from the historical Brucejack Lake, Unuk River Eskay Creek, Bob Quinn AGS and Stewart Airport meteorological stations operated by the MSC. The monthly data presented in these tables were calculated from the mean value of the available monthly data set.

Table 7-8 provides a summary of the 2010 to 2012 climate trends and variations for Northern BC, summarized from the EC Climate Trends and Variations Bulletin (2013a).

### 7.1 AIR TEMPERATURE

Figures 7.1-1, 7.1-2, and 7.1-3 present the daily mean, maximum, and minimum air temperatures collected onsite from October 2009 to December 2012. Data from the entire data series are summarized in Tables 7-1 to 7-3 and Appendices 2 through 4. During this period, the mean monthly air temperatures for Brucejack Lake station (1,360 masl) ranged from -10.6°C in February 2011 and January 2012 to 8.4°C in August 2010. The mean monthly air temperatures for Scott Creek station (780 masl) ranged from -9.4°C in February 2011 and January 2012 to 13.9°C in August 2010. The mean monthly air temperatures for Wildfire Creek station (720 masl) ranged from -8.5°C in January 2012 to 13.3°C in July 2012.

The mean minimum daily air temperatures for Brucejack Lake, Scott Creek, and Wildfire Creek ranged from lows of -13.8°C (February 2011), -12.1°C (February 2011), and -10.5°C (January 2012), respectively to highs of 5.6°C (August 2010), 9.9°C (August 2010), and 9.3°C (July 2012), respectively. The mean maximum daily air temperatures for Brucejack Lake, Scott Creek, and Wildfire stations ranged from lows of -7.3°C (December 2012), -7.4°C (December 2012), and -6.4°C (December 2012), to highs of 11.7°C (August 2010), 19.1°C (August 2010), and 18.1°C (July 2012), respectively.

The extreme maximum temperature at the Brucejack Lake station was 22.3°C, recorded on August 15, 2010 at 3:23 PM. The extreme minimum temperature was -31.4°C on January 17, 2012 at 7:49 AM. At the Scott Creek station the extreme maximum temperature was 29.4°C, recorded on August 15, 2010 at 3:26 PM, and the extreme minimum temperature was -30.5°C, recorded on January 19, 2012 at 7:36 AM. The extreme maximum temperature at the Wildfire Creek station was 25.7°C, recorded on July 26, 2012 at 3:08 PM. The extreme minimum temperature was -29.1°C on January 19, 2012 at 9:52 AM.

On average, the annual temperatures at the Brucejack Lake station were slightly cooler than what was recorded at the historical Brucejack Lake MSC station which operated between 1988 and 1990; however, the duration of collected data from both stations is not long enough to conclude any warming or cooling trends. As expected, the lower regional stations have warmer temperatures than the higher elevation stations, and this trend is also present with the three Project stations. The EC Climate Trends and Variations Bulletin for Northern BC show that 2010, 2011 and 2012 have been generally warmer than the average of the past 64 years, with 2010 being the third highest with an annual departure of +2.1°C warmer than average. The highest seasonal departure between 2010 and 2012 occurred in winter of 2011/2012, which was ranked seventh highest, with a departure of +4.7°C from average.

Table 7-1. Brucejack Lake Meteorological Data Summary

Date	Mean Air Temperature (°C)	Mean Daily Maximum Air Temperature (°C)	Mean Daily Minimum Air Temperature (°C)	Total Measured Precipitation <sup>a</sup> (mm)	Total Adjusted Precipitation (mm)	Mean Windspeed (m/s)	Maximum Instantaneous Windspeed (m/s)	Mean Solar Radiation (W/m <sup>2</sup> )	Mean Sea-Level Barometric Pressure (kPa)	Mean Relative Humidity (%)
Oct-09 <sup>b</sup>	-1.8	0.0	-3.5	55.9	104.7	8.7	29.1	52.3	100.5	93.5
Nov-09	-5.4	-3.6	-7.1	59.4	105.7	8.3	25.5	24.8	99.9	93.1
Dec-09	-9.9	-6.6	-13.3	89.9	164.7	7.2	27.1	11.9	101.2	76.7
<b>Average</b>	<b>-5.7</b>	<b>-3.4</b>	<b>-8.0</b>	<b>68.4</b>	<b>125.0</b>	<b>8.1</b>	<b>27.2</b>	<b>29.7</b>	<b>100.5</b>	<b>87.7</b>
<b>Sum</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>205.2</b>	<b>375.1</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>
<b>Minimum</b>	<b>-9.9</b>	<b>-6.6</b>	<b>-13.3</b>	<b>55.9</b>	<b>104.7</b>	<b>7.2</b>	<b>25.5</b>	<b>11.9</b>	<b>99.9</b>	<b>76.7</b>
<b>Maximum</b>	<b>-1.8</b>	<b>0.0</b>	<b>-3.5</b>	<b>89.9</b>	<b>164.7</b>	<b>8.7</b>	<b>29.1</b>	<b>52.3</b>	<b>101.2</b>	<b>93.5</b>
Jan-10	-5.7	-3.4	-7.7	77.1	160.0	10.6	23.5	20.3	100.2	91.2
Feb-10	-3.9	-1.6	-6.6	93.3	183.9	8.5	21.1	57.9	100.7	85.7
Mar-10	-4.8	-2.3	-7.4	141.2	224.2	7.5	25.7	112.4	100.3	90.4
Apr-10	-2.2	0.9	-5.5	124.1	190.7	6.0	28.2	206.2	100.7	77.4
May-10	2.4	6.0	-0.7	120.8	137.7	4.3	16.8	274.6	101.4	75.3
Jun-10	4.1	7.1	1.6	96.8	110.2	4.0	19.1	244.8	101.4	85.7
Jul-10	7.1	10.5	3.9	78.4	80.1	3.1	21.9	211.6	101.9	85.0
Aug-10	8.4	11.7	5.6	54.1	75.6	3.4	16.1	182.3	101.6	83.1
Sep-10	4.5	7.4	2.0	259.5	347.5	5.3	23.6	118.5	101.2	80.0
Oct-10	-0.5	1.7	-2.2	186.6	271.5	8.2	30.2	59.9	100.6	91.3
Nov-10	-6.6	-4.2	-9.1	98.2	153.5	7.6	25.5	27.1	100.7	85.3
Dec-10	-8.6	-6.0	-11.4	18.8	32.9	9.2	22.3	12.7	100.2	92.0
<b>Average (2010)</b>	<b>-0.5</b>	<b>2.3</b>	<b>-3.1</b>	<b>112.4</b>	<b>164.0</b>	<b>6.5</b>	<b>22.8</b>	<b>127.4</b>	<b>100.9</b>	<b>85.2</b>
<b>Sum (2010)</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>1,348.9</b>	<b>1,967.6</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>
<b>Minimum (2010)</b>	<b>-8.6</b>	<b>-6.0</b>	<b>-11.4</b>	<b>18.8</b>	<b>32.9</b>	<b>3.1</b>	<b>16.1</b>	<b>12.7</b>	<b>100.2</b>	<b>75.3</b>
<b>Maximum (2010)</b>	<b>8.4</b>	<b>11.7</b>	<b>5.6</b>	<b>259.5</b>	<b>347.5</b>	<b>10.6</b>	<b>30.2</b>	<b>274.6</b>	<b>101.9</b>	<b>92.0</b>
Jan-11	-8.8	-6.4	-11.2	57.1	93.8	8.5	28.3	20.8	101.0	84.7
Feb-11	-10.6	-7.0	-13.8	51.7	78.1	6.3	26.7	56.9	100.7	82.0
Mar-11	-7.1	-5.0	-9.6	34.8	52.8	9.0	27.6	132.2	100.2	85.3
Apr-11	-4.2	-0.4	-7.5	45.8	59.1	4.3	18.9	214.0	100.8	86.5
May-11	2.2	5.4	-0.4	54.2	67.6	4.7	16.2	243.2	101.2	84.0
Jun-11	4.7	7.6	2.4	40.5	56.5	2.8	11.4	218.6	101.4	88.2
Jul-11	6.0	8.8	3.8	68.3	100.7	3.6	14.8	182.7	101.4	90.3
Aug-11	5.6	8.1	3.4	175.7	244.2	4.1	18.0	149.3	101.5	88.8
Sep-11	3.9	6.1	1.9	395.4	526.9	6.4	24.8	87.4	101.0	89.9
Oct-11	-1.2	0.4	-2.7	101.7	153.6	6.9	26.5	66.9	100.8	92.0

(continued)

Table 7-1. Brucejack Lake Meteorological Data Summary (completed)

Date	Mean Air Temperature (°C)	Mean Daily Maximum Air Temperature (°C)	Mean Daily Minimum Air Temperature (°C)	Total Measured Precipitation <sup>a</sup> (mm)	Total Adjusted Precipitation (mm)	Mean Windspeed (m/s)	Maximum Instantaneous Windspeed (m/s)	Mean Solar Radiation (W/m <sup>2</sup> )	Mean Sea-Level Barometric Pressure (kPa)	Mean Relative Humidity (%)
Nov-11	-7.7	-5.3	-10.1	77.2	118.5	6.9	28.6	26.4	100.0	92.0
Dec-11	-6.6	-3.8	-9.3	73.7	120.1	5.9	30.9	13.9	101.0	92.2
<b>Average (2011)</b>	<b>-2.0</b>	<b>0.7</b>	<b>-4.4</b>	<b>98.0</b>	<b>139.3</b>	<b>5.8</b>	<b>22.7</b>	<b>117.7</b>	<b>100.9</b>	<b>88.0</b>
<b>Sum (2011)</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>1,176.1</b>	<b>1,672.0</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>
<b>Minimum (2011)</b>	<b>-10.6</b>	<b>-7.0</b>	<b>-13.8</b>	<b>34.8</b>	<b>52.8</b>	<b>2.8</b>	<b>11.4</b>	<b>13.9</b>	<b>100.0</b>	<b>82.0</b>
<b>Maximum (2011)</b>	<b>6.0</b>	<b>8.8</b>	<b>3.8</b>	<b>395.4</b>	<b>526.9</b>	<b>9.0</b>	<b>30.9</b>	<b>243.2</b>	<b>101.5</b>	<b>92.2</b>
Jan-12	-10.6	-7.2	-13.5	85.2	158.6	8.6	28.7	18.4	100.5 <sup>f</sup>	85.2
Feb-12	-6.2	-3.7	-8.8	20.4	33.7	7.8	24.1	62.8	n/a <sup>f</sup>	85.9
Mar-12	-7.1	-4.7	-10.3	41.6	64.3	6.8	26.8	129.5	n/a <sup>f</sup>	84.8
Apr-12	-1.7	0.9	-4.3	48.9	69.0	5.8	25.2	203.7	n/a <sup>f</sup>	82.3
May-12	-0.3	2.8	-2.6	41.0	63.7	5.2	18.6	251.5	n/a <sup>f</sup>	85.4
Jun-12	3.5	6.2	1.2	56.4	84.5	3.9	19.0	229.0	n/a <sup>f</sup>	88.1
Jul-12	7.1	10.4	4.2	61.2	82.3	3.6	16.4	220.5	n/a <sup>f</sup>	84.8
Aug-12	7.9	10.9	5.2	52.9	65.8	3.4	11.5	177.2	n/a <sup>f</sup>	83.3
Sep-12	4.9	7.9	2.3	168.9	227.6	4.3	21.4	112.5	n/a <sup>f</sup>	84.4
Oct-12	-2.7	0.0	-5.0	77.6 <sup>d</sup>	114.5	6.2	24.1	75.8	n/a <sup>f</sup>	79.3
Nov-12	-6.0	-3.8	-7.9	53.6 <sup>d</sup>	99.6 <sup>e</sup>	8.4	29.1	24.9	100.4 <sup>f</sup>	93.8
Dec-12	-9.4	-7.3	-12.2	35.5	65.0	8.6	25.0	13.6	100.0	91.1
<b>Average (2012)</b>	<b>-1.7</b>	<b>1.0</b>	<b>-4.3</b>	<b>61.9</b>	<b>94.1</b>	<b>6.0</b>	<b>22.5</b>	<b>126.6</b>	<b>100.3</b>	<b>85.7</b>
<b>Sum (2012)</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>743.2</b>	<b>1,128.6</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>
<b>Minimum (2012)</b>	<b>-10.6</b>	<b>-7.3</b>	<b>-13.5</b>	<b>20.4</b>	<b>33.7</b>	<b>3.4</b>	<b>11.5</b>	<b>13.6</b>	<b>100.0</b>	<b>79.3</b>
<b>Maximum (2012)</b>	<b>7.9</b>	<b>10.9</b>	<b>5.2</b>	<b>168.9</b>	<b>227.6</b>	<b>8.6</b>	<b>29.1</b>	<b>251.5</b>	<b>100.5</b>	<b>93.8</b>

Notes:

The Brucejack Lake station was installed on October 13, 2009.

- = data missing

n/a = not applicable

<sup>a</sup> Data from GEONOR gauge.

<sup>b</sup> The station was not operable until October 14, 2009.

<sup>c</sup> Last data download was June 8, 2012.

<sup>d</sup> GEONOR gauge malfunctioned Oct. 24 - 29 and Nov. 20 - 21, 2012.

<sup>e</sup> Data gap from Nov. 20 to 21, 2012 could not be filled.

<sup>f</sup> Barometric pressure sensor malfunctioned from January 21, 2012 until November 21, 2012

Table 7-2. Scott Creek Meteorological Data Summary

Date	Mean Air Temperature (°C)	Mean Daily Maximum Air Temperature (°C)	Mean Daily Minimum Air Temperature (°C)	Total Measured Precipitation <sup>a</sup> (mm)	Total Adjusted Precipitation (mm)	Mean Windspeed (m/s)	Maximum Instantaneous Windspeed (m/s)	Mean Solar Radiation (W/m <sup>2</sup> )	Mean Sea-Level Barometric Pressure (kPa)	Mean Relative Humidity (%)
Aug-10	13.9	19.1	9.9	39.6	39.6	2.2	17.3	198.7	101.4	63.0
Sep-10	7.9	11.9	4.8	182.3 <sup>b</sup>	186.8	1.7	12.9	110.2	101.1	79.6
Oct-10	2.5	4.8	0.7	232.2	253.5	1.8	18.0	42.6	100.7	94.2
Nov-10	-4.8	-2.7	-6.6	140.5	145.9	1.6	15.6	13.3	101.0	91.1
Dec-10	-8.2	-5.6	-10.1	29.2	34.6	1.0	7.3	2.7	100.5	97.0
<b>Average</b>	<b>2.3</b>	<b>5.5</b>	<b>-0.3</b>	<b>124.8</b>	<b>132.1</b>	<b>1.7</b>	<b>14.2</b>	<b>73.5</b>	<b>100.9</b>	<b>85.0</b>
<b>Sum</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>623.8</b>	<b>660.4</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>
<b>Minimum</b>	<b>-8.2</b>	<b>-5.6</b>	<b>-10.1</b>	<b>29.2</b>	<b>34.6</b>	<b>1.0</b>	<b>7.3</b>	<b>2.7</b>	<b>100.5</b>	<b>63.0</b>
<b>Maximum</b>	<b>13.9</b>	<b>19.1</b>	<b>9.9</b>	<b>232.2</b>	<b>253.5</b>	<b>2.2</b>	<b>18.0</b>	<b>198.7</b>	<b>101.4</b>	<b>97.0</b>
Jan-11	-8.0	-6.0	-9.7	- <sup>c</sup>	149.6	2.0	12.7	3.8	101.3	93.7
Feb-11	-9.4	-6.1	-12.1	- <sup>c</sup>	122.6	2.7	16.8	36.9	101.1	85.3
Mar-11	-3.4	0.3	-6.4	31.7 <sup>c</sup>	67.8	2.0	11.1	97.8	100.5	81.0
Apr-11	1.0	5.1	-2.1	35.7	42.0	2.2	13.6	188.7	101.0	71.9
May-11	6.8	11.7	2.8	52.7	53.9	1.7	13.4	203.5	101.2	73.3
Jun-11	10.5	15.2	6.8	19.2	20.3	2.6	13.8	231.3	101.2	66.7
Jul-11	11.2	15.5	7.9	31.4	33.8	2.4	14.5	188.7	101.2	74.2
Aug-11	10.0	13.9	6.9	113.7	116.9	2.2	12.6	154.5	101.3	77.6
Sep-11	7.3	10.1	5.0	268.1	272.9	1.9	16.0	80.5	101.0	88.4
Oct-11	1.7	3.8	0.2	181.5	164.4	1.5	13.1	39.4	100.8	93.9
Nov-11	-5.2	-3.4	-7.1	21.1 <sup>d</sup>	180.8	1.5	13.2	3.8	100.2	96.8
Dec-11	-5.6	-3.2	-7.5	112.6 <sup>d</sup>	179.1	1.4	18.9	5.9	101.2	94.4
<b>Average (2011)</b>	<b>1.4</b>	<b>4.7</b>	<b>-1.3</b>	<b>86.8</b>	<b>117.0</b>	<b>2.0</b>	<b>14.1</b>	<b>102.9</b>	<b>101.0</b>	<b>83.1</b>
<b>Sum (2011)</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>867.7</b>	<b>1,404.0</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>
<b>Minimum (2011)</b>	<b>-9.4</b>	<b>-6.1</b>	<b>-12.1</b>	<b>19.2</b>	<b>20.3</b>	<b>1.4</b>	<b>11.1</b>	<b>3.8</b>	<b>100.2</b>	<b>66.7</b>
<b>Maximum (2011)</b>	<b>11.2</b>	<b>15.5</b>	<b>7.9</b>	<b>268.1</b>	<b>272.9</b>	<b>2.7</b>	<b>18.9</b>	<b>231.3</b>	<b>101.3</b>	<b>96.8</b>
Jan-12	-9.4	-7.2	-11.4	43.0	48.4	2.2	20.5	8.7	100.4	95.3
Feb-12	-3.7	-0.9	-5.9	49.2 <sup>e</sup>	90.0	1.7	16.0	33.4	101.1	89.7
Mar-12	-3.0	0.6	-5.9	70.6 <sup>e</sup>	97.1	1.8	14.2	91.3	100.0	81.8
Apr-12	3.0	7.4	-0.4	n.a <sup>e</sup>	108.1	1.7	12.9	178.5	101.0	71.3
May-12	4.6	8.9	1.2	7.5 <sup>e</sup>	90.4	2.2	13.5	211.0	101.3	70.8
Jun-12	8.9	13.2	5.1	7.9	39.3	2.3	15.5	219.2	101.1	71.9
Jul-12	12.7	17.6	8.6	3.0 <sup>e</sup>	42.0	2.3	16.5	231.6	101.6	67.0

(continued)

Table 7-2. Scott Creek Meteorological Data Summary (completed)

Date	Mean Air Temperature (°C)	Mean Daily Maximum Air Temperature (°C)	Mean Daily Minimum Air Temperature (°C)	Total Measured Precipitation <sup>a</sup> (mm)	Total Adjusted Precipitation (mm)	Mean Windspeed (m/s)	Maximum Instantaneous Windspeed (m/s)	Mean Solar Radiation (W/m <sup>2</sup> )	Mean Sea-Level Barometric Pressure (kPa)	Mean Relative Humidity (%)
Aug-12	12.4	17.0	8.8	19.6 <sup>e</sup>	49.3	1.9	13.4	175.6	101.5	72.4
Sep-12	8.1	11.7	5.1	109.2 <sup>e</sup>	144.0	1.9	16.9	109.6	101.6	82.2
Oct-12	0.4	3.5	-2.3	95.5 <sup>e</sup>	103.0	2.0	15.5	82.9 <sup>h</sup>	101.2	75.4
Nov-12	-4.6	-2.7	-6.1	45.6 <sup>f</sup>	161.2 <sup>g</sup>	2.0	10.9	n/a <sup>h</sup>	100.6	97.3
Dec-12	-8.9	-7.4	-10.4	n/a <sup>f</sup>	100.0	1.7	10.2	n/a <sup>h</sup>	100.3	96.5
<b>Average (2012)</b>	<b>1.7</b>	<b>5.1</b>	<b>-1.1</b>	<b>45.1</b>	<b>89.4</b>	<b>2.0</b>	<b>14.7</b>	<b>134.2</b>	<b>101.0</b>	<b>81.0</b>
<b>Sum (2012)</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>451.1</b>	<b>1,072.8</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>
<b>Minimum (2012)</b>	<b>-9.4</b>	<b>-7.4</b>	<b>-11.4</b>	<b>3.0</b>	<b>39.3</b>	<b>1.7</b>	<b>10.2</b>	<b>8.7</b>	<b>100.0</b>	<b>67.0</b>
<b>Maximum (2012)</b>	<b>12.7</b>	<b>17.6</b>	<b>8.8</b>	<b>109.2</b>	<b>161.2</b>	<b>2.3</b>	<b>20.5</b>	<b>231.6</b>	<b>101.6</b>	<b>97.3</b>

Notes:

The Scott Creek station was installed on July 29, 2010.

- = data missing

n/a = not applicable

<sup>a</sup> Data from GEONOR gauge. Tipping Bucket Rain Gauge data was used where GEONOR data was missing.

<sup>b</sup> The GEONOR precipitation gauge was operational starting on September 8, 2010.

<sup>c</sup> Snow blockage at gauge orifice from January 1 to March 14, 2011. Data were deemed invalid and removed.

<sup>d</sup> Data missing from November 3, 2011 to December 13, 2011.

<sup>e</sup> The GEONOR gauge malfunctioned during the following periods of 2012: Feb. 3, Mar. 7, 8, 10-12, Mar. 23 - May 25, July 4-9, 10-13, July 16 - Aug. 8, Aug. 17 - Sep. 11, and Oct. 9-11.

<sup>f</sup> Snow blockage at gauge orifice from November 16, 2012 to the end of the reporting period.

<sup>g</sup> Data gap from November 20 to 21, 2012 could not be filled.

<sup>h</sup> Solar radiation sensor was covered in snow from October 14, 2012 until the end of the reporting period.

Table 7-3. Wildfire Creek Meteorological Data Summary

Date	Mean Air Temperature (°C)	Mean Daily Maximum Air Temperature (°C)	Mean Daily Minimum Air Temperature (°C)	Total Measured Precipitation <sup>a</sup> (mm)	Total Adjusted Precipitation (mm)	Mean Windspeed (m/s)	Maximum Instantaneous Windspeed (m/s)	Mean Solar Radiation (W/m <sup>2</sup> )	Mean Sea-Level Barometric Pressure (kPa)	Mean Relative Humidity (%)
Aug-11	9.3	12.4	7.1	106.5	112.6	2.0	13.3	107.3	101.3	87.2
Sep-11	7.9	10.7	5.5	302.4	314.8	2.2	15.9	82.8	101.1	87.4
Oct-11	2.2	4.3	0.7	176.7	208.4	2.1	14.1	44.6	100.9	92.6
Nov-11	-4.7	-3.1	-6.6	29.1 <sup>b</sup>	35.6	1.9	12.4	2.6	100.3	95.3
Dec-11	-5.4	-3.4	-7.2	29.3 <sup>b</sup>	35.4	1.7	13.6	4.6	101.3	94.9
<b>Average (2011)</b>	<b>1.9</b>	<b>4.2</b>	<b>-0.1</b>	<b>128.8</b>	<b>141.4</b>	<b>2.0</b>	<b>13.9</b>	<b>48.4</b>	<b>101.0</b>	<b>91.5</b>
<b>Sum (2011)</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>644.0</b>	<b>706.8</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>
<b>Minimum (2011)</b>	<b>-5.4</b>	<b>-3.4</b>	<b>-7.2</b>	<b>29.1</b>	<b>35.4</b>	<b>1.7</b>	<b>12.4</b>	<b>2.6</b>	<b>100.3</b>	<b>87.2</b>
<b>Maximum (2011)</b>	<b>9.3</b>	<b>12.4</b>	<b>7.1</b>	<b>302.4</b>	<b>314.8</b>	<b>2.2</b>	<b>15.9</b>	<b>107.3</b>	<b>101.3</b>	<b>95.3</b>
Jan-12	-8.5	-6.4	-10.5	44.0 <sup>c</sup>	51.3 <sup>c</sup>	2.7	15.9	9.9	100.5	89.0
Feb-12	-3.2	-0.5	-5.3	30.5 <sup>c</sup>	75.7 <sup>c</sup>	1.8	14.3	45.6	101.2	87.9
Mar-12	-2.5	1.3	-5.4	103.0	124.5	1.9	14.0	94.8	100.0	81.6
Apr-12	3.4	8.2	-0.1	56.1	61.5	1.6	14.2	166.6	101.0	68.7
May-12	5.2	9.8	1.8	67.6	74.6	1.8	12.3	203.7	101.3	66.8
Jun-12	9.4	13.5	5.8	59.2	59.3	1.7	11.1	189.5	101.1	70.0
Jul-12	13.3	18.1	9.3	42.9	39.1	1.8	13.3	223.4	101.6	64.9
Aug-12	13.0	17.8	9.1	53.0	53.0	1.3	11.1	173.3	101.6	71.7
Sep-12	8.7	12.7	5.5	89.2	89.2	1.8	17.8	110.8	101.7	80.2
Oct-12	0.8	3.9	-1.8	91.2	105.3	2.0	12.3	64.2	101.2	72.4
Nov-12	-3.8	-2.2	-5.3	49.3 <sup>d</sup>	93.5 <sup>d</sup>	1.8	14.6	24.4 <sup>e</sup>	100.7	92.7
Dec-12	-8.1	-6.4	-9.7	n/a <sup>d</sup>	n/a <sup>d</sup>	1.5	12.1	n/a <sup>e</sup>	100.4	90.5
<b>Average (2012)</b>	<b>2.3</b>	<b>5.8</b>	<b>-0.5</b>	<b>62.4</b>	<b>75.2</b>	<b>1.8</b>	<b>13.6</b>	<b>118.7</b>	<b>101.0</b>	<b>78.0</b>
<b>Sum (2012)</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>686.0</b>	<b>827.0</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>
<b>Minimum (2012)</b>	<b>-8.5</b>	<b>-6.4</b>	<b>-10.5</b>	<b>30.5</b>	<b>39.1</b>	<b>1.3</b>	<b>11.1</b>	<b>9.9</b>	<b>100.0</b>	<b>64.9</b>
<b>Maximum (2012)</b>	<b>13.3</b>	<b>18.1</b>	<b>9.3</b>	<b>103.0</b>	<b>124.5</b>	<b>2.7</b>	<b>17.8</b>	<b>223.4</b>	<b>101.7</b>	<b>92.7</b>

Notes:

The Wildfire Creek station was installed on August 13, 2011.

- = data missing

n/a = not applicable

<sup>a</sup> Data from GEONOR gauge.

<sup>b</sup> The GEONOR precipitation gauge was at maximum capacity from November 3 to December 16, 2011.

<sup>c</sup> The GEONOR precipitation gauge malfunctioned on January 4, January 15 through 21 and February 2, 2012.

<sup>d</sup> Snow blockage of gauge orifice from November 18 until the end of the reporting period.

<sup>e</sup> The solar radiation sensor was covered in snow from November 6, 2012 to the end of the reporting period.

**Table 7-4. Historical Brucejack Lake MSC Meteorological Data Summary, 1988 to 1990**

Month	Mean Air Temperature (°C)	Mean Daily Maximum Air Temperature (°C)	Mean Daily Minimum Air Temperature (°C)	Total Precipitation (mm)	Total Rainfall (mm)	Total Snowfall (cm)	Number of Months Available for Calculation	
							Temperature Data	Precipitation Data
January	-9.3	-6.0	-12.5	488.0 <sup>a</sup>	0.0	488.0 <sup>a</sup>	1	1
February	-10.4	-5.6	-15.1	8.0 <sup>a</sup>	0.0	8.0 <sup>a</sup>	2	1
March	-7.1	-3.9	-10.1	143.5	0.0	143.5	2	2
April	-2.5	1.9	-6.8	46.8	0.0	46.8	2	2
May	2.6	5.8	-0.8	35.7	22.2	13.5	2	2
June	5.8	9.7	1.9	34.9	29.9	5.0	2	2
July	7.4	10.8	3.8	93.3	93.3	0.0	2	2
August	9.8	13.2	6.3	100.0	100.0	0.0	3	2
September	5.1	7.8	2.4	147.5	106.3	10.0	2	1
October	1.4	3.2	-0.5	-	-	-	1	0
November	-6.1	-3.7	-8.4	-	-	-	1	0
December	-3.1	-0.8	-5.3	-	-	-	1	0
<b>Average</b>	<b>-0.5</b>	<b>2.7</b>	<b>-3.8</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>		
<b>Minimum</b>	<b>-10.4</b>	<b>-6</b>	<b>-15.1</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>		
<b>Maximum</b>	<b>9.8</b>	<b>13.2</b>	<b>6.3</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>		

Data source: (EC 2013b)

Notes:

- = data missing

n/a = not applicable

Monthly data presented in this table were calculated from the mean value of the available monthly data between 1988 to 1990.

This station was located less than 2 km from Brucejack Camp at an elevation of 1,372 masl.

<sup>a</sup> Data suspected to contain errors.

**Table 7-5. Historical Unuk River Eskay Creek MSC Meteorological Data Summary, 1984 to 2010**

Month	Mean Air Temperature (°C)	Mean Daily Maximum Air Temperature (°C)	Mean Daily Minimum Air Temperature (°C)	Total Precipitation (mm)	Total Rainfall (mm)	Total Snowfall (cm)	Last Day of the Month Snow Depth (cm)	Number of Months Available for Calculation		
								Temperature Data	Precipitation Data	Snow Depth Data
January	-7.8	-5.0	-10.4	248.2	9.1	238.7	235.8	21	20	19
February	-5.5	-2.3	-8.7	210.5	6.1	204.4	255.1	20	20	19
March	-3.9	-0.3	-7.4	185.1	1.8	179.7	260.7	21	20	18
April	0.7	4.9	-3.4	95.3	19.0	76.3	176.6	21	20	19
May	4.6	9.1	0.2	82.4	65.5	17.0	46.7	21	21	18
June	8.3	13.3	3.5	67.6	67.6	0.1	0.0	18	20	19
July	10.5	15.0	6.0	78.2	78.2	0.0	0.0	20	21	20
August	10.5	14.9	6.2	128.8	128.8	0.0	0.0	19	21	20
September	6.1	9.3	3.0	216.8	211.3	5.5	0.0	20	21	19
October	0.7	3.2	-1.8	241.0	135.8	105.1	60.0	21	20	14
November	-4.7	-2.2	-7.1	220.0	16.6	203.4	109.3	20	19	17
December	-7.0	-4.3	-9.6	240.0	1.1	238.9	178.8	21	20	19
<b>Average</b>	1.0	4.6	-2.5	167.8	61.7	105.8	110.3			
<b>Sum</b>	n/a	n/a	n/a	2013.9	740.9	1269.1	n/a			
<b>Minimum</b>	-7.8	-5.0	-10.4	67.6	1.1	0.0	0.0			
<b>Maximum</b>	10.5	15.0	6.2	248.2	211.3	238.9	260.7			

Data source: (EC 2013b)

Notes:

Monthly data presented in this table were calculated from the mean value of the available monthly data between 1989 to 2010. This station was located about 30 km north of the Project at an elevation of 887 masl.



**Table 7-6. Historical Bob Quinn AGS MSC Meteorological Data Summary, 1977 to 1994**

Month	Mean Air Temperature (°C)	Mean Daily Maximum Air Temperature (°C)	Mean Daily Minimum Air Temperature (°C)	Total Precipitation (mm)	Total Rainfall (mm)	Total Snowfall (cm)	Last Day of the Month Snow Depth (cm)	Number of Months Available for Calculation		
								Temperature Data	Precipitation Data	Snow Depth Data
January	-8.5	-5.2	-11.7	59.8	18.9	40.8	46.1	16	16	17
February	-6.4	-2.1	-10.7	41.4	13.3	28.1	42.9	17	17	16
March	-0.3	4.7	-5.3	27.1	13.5	13.6	24.5	16	16	13
April	3.9	9.9	-2.2	25.4	18.4	7.0	1.1	17	17	16
May	8.2	14.8	1.5	28.7	28.1	0.5	0.0	16	16	16
June	11.9	18.5	5.3	33.6	33.5	0.1	0.0	16	16	16
July	14.1	20.4	7.8	56.7	56.7	0.0	0.0	16	16	16
August	13.4	19.7	7.1	49.7	49.7	0.0	0.0	16	15	16
September	9.3	14.4	4.2	86.4	86.1	0.4	0.0	15	15	16
October	4.0	7.5	0.4	101.8	93.9	7.8	0.8	16	16	13
November	-3.7	-0.9	-6.4	62.1	34.2	27.9	9.6	16	16	15
December	-8.8	-5.8	-11.8	69.0	16.8	52.3	33.7	16	16	16
<b>Average</b>	3.1	8.0	-1.8	53.5	38.6	14.9	13.2			
<b>Sum</b>	n/a	n/a	n/a	641.7	463.1	178.5	n/a			
<b>Minimum</b>	-8.8	-5.8	-11.8	25.4	13.3	0.0	0.0			
<b>Maximum</b>	14.1	20.4	7.8	101.8	93.9	52.3	46.1			

Data source: (EC 2013b)

Notes:

Monthly data presented in this table were calculated from the mean value of the available monthly data between 1977 to 1994.

This station was located about 56 km north of the Project at an elevation of 610 masl.

**Table 7-7. Historical Stewart Airport MSC Meteorological Data Summary, 1974 to 2012**

Month	Mean Air Temperature (°C)	Mean Daily Maximum Air Temperature (°C)	Mean Daily Minimum Air Temperature (°C)	Total Precipitation (mm)	Total Rainfall (mm)	Total Snowfall (cm)	Last Day of the Month Snow Depth (cm)	Number of Months Available for Calculation		
								Temperature Data	Precipitation Data	Snow Depth Data
January	-3.2	-0.7	-5.7	226.3	77.8	160.0	93.4	38	38	37
February	-1.3	2.1	-4.7	138.6	52.3	91.0	96.0	38	38	37
March	1.7	5.4	-2.1	121.1	77.7	45.4	55.0	38	38	38
April	5.8	10.7	1.0	83.3	69.6	13.6	5.4	38	38	38
May	10.4	15.5	5.3	72.4	71.9	0.4	0.0	38	38	38
June	13.7	18.6	8.8	65.8	65.8	0.0	0.0	38	38	38
July	15.0	19.6	10.4	74.0	74.0	0.0	0.0	38	38	38
August	14.4	18.8	9.9	117.1	117.1	0.1	0.0	38	38	38
September	11.0	14.5	7.4	209.1	209.1	0.0	0.0	37	37	37
October	6.3	8.9	3.7	297.2	286.0	10.2	1.9	36	36	36
November	0.7	2.8	-1.5	231.2	131.7	103.2	27.8	37	37	36
December	-2.5	-0.2	-4.7	216.3	80.3	145.7	57.9	37	37	36
<b>Average</b>	6.0	9.7	2.3	154.4	109.4	47.5	28.1			
<b>Sum</b>	n/a	n/a	n/a	1852.4	1313.3	569.6	n/a			
<b>Minimum</b>	-3.2	-0.7	-5.7	65.8	52.3	0.0	0.0			
<b>Maximum</b>	15.0	19.6	10.4	297.2	286.0	160.0	96.0			

Data source: (EC 2013b)

Notes:

Monthly data presented in this table were calculated from the mean value of the available monthly data between 1974 to 2012.

This station is located about 63 km south of the Project at an elevation of 7 masl.

Table 7-8. Climate Trends and Variations for Northern BC and Yukon Region

Period <sup>a</sup>	Temperature Rank <sup>b</sup> (Hottest to Coldest)	Temperature Departure from Average (°C)	Precipitation Rank <sup>b</sup> (Wettest to Driest)	Precipitation Departure from Average (%)
2009/2010 Winter	9 / 65	+4.0	61 / 65	-31.8
2010 Spring	2 / 65	+3.6	64 / 65	-34.2
2010 Summer	12 / 65	+0.8	49 / 65	-11.5
2010 Fall	11 / 65	+1.8	30 / 65	+0.7
2010 Annual	3 / 64	+2.1	48 / 64	-5.2
2010/2011 Winter	33 / 65	+0.9	52 / 65	-14.7
2011 Spring	39 / 65	-0.1	57 / 65	-27.7
2011 Summer	30 / 65	+0.2	1 / 65	+39.7
2011 Fall	33 / 65	+0.1	48 / 65	-13.6
2011 Annual	17 / 64	+1.0	45 / 64	-5.0
2011/2012 Winter	7 / 65	+4.7	55 / 65	-17.6
2012 Spring	30 / 65	+0.4	7 / 65	+17.6
2012 Summer	7 / 65	+1.1	17 / 65	+13.0
2012 Fall	47 / 65	-0.5	52 / 65	-15.6
2012 Annual <sup>c</sup>	-	-	-	-

Data source: (EC 2013a)

Notes:

- = data missing

<sup>a</sup> Winter is December to February, Spring is March to May, Summer is June to August, Fall is September to November

<sup>b</sup> The seasonal rank is based on 65 years of data from 1948 to 2012. The annual rank is based on 65 years of data from 1948 to 2011.

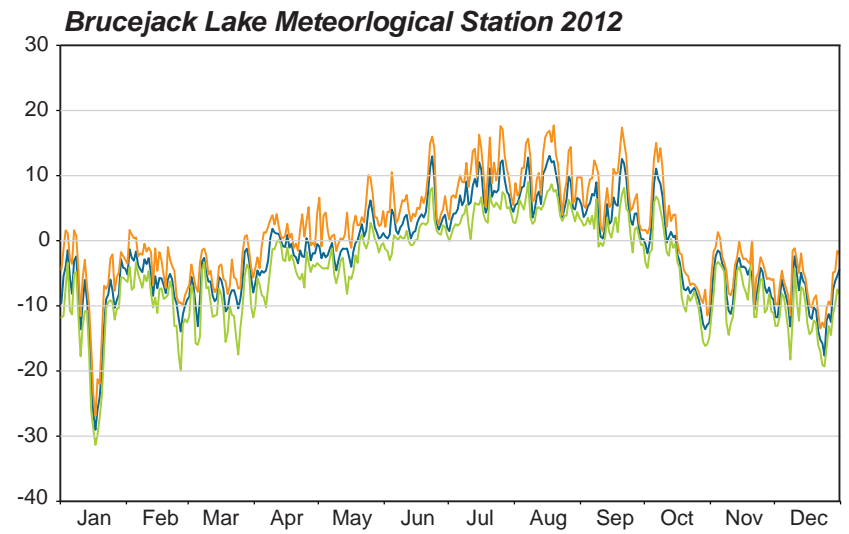
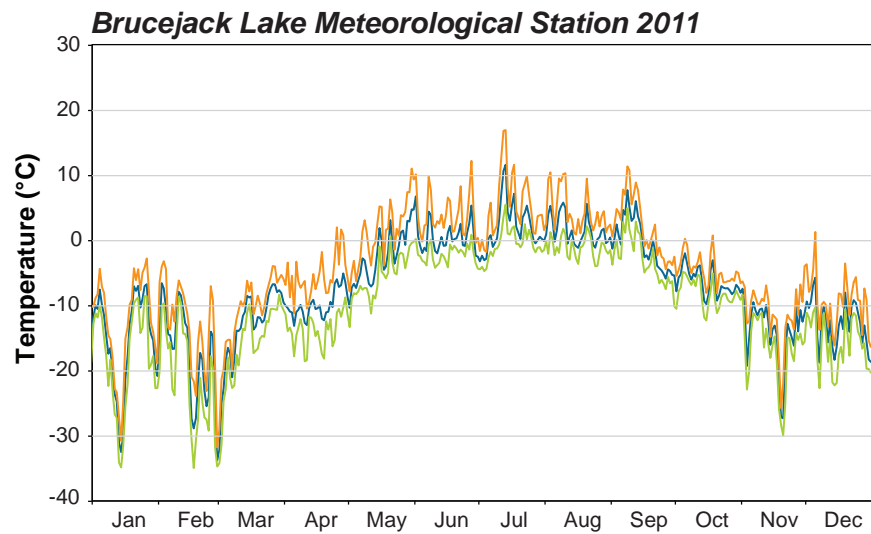
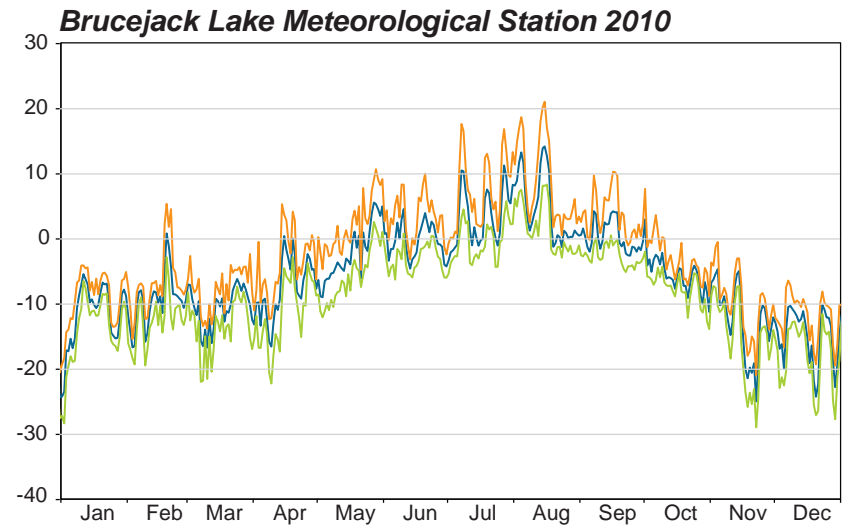
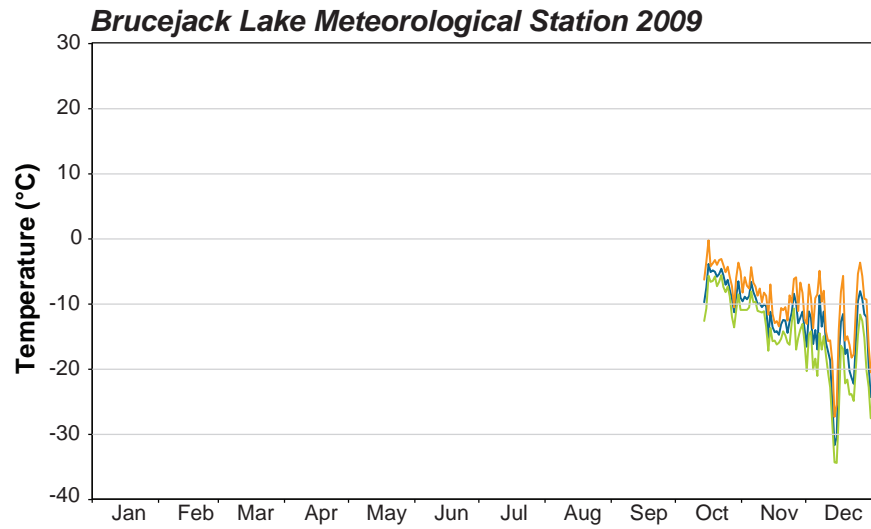
<sup>c</sup> This data was not available at the time of reporting

## 7.2 PRECIPITATION

Tables 7-1 to 7-3 and Figures 7.2-1, 7.2-2, and 7.2-3 summarize the total adjusted and non-adjusted precipitation values for the Brucejack Lake, Scott Creek, and Wildfire Creek stations. Non-adjusted values represent precipitation totals as they were recorded by the sensors at each station with invalid data removed. Adjusted values have been corrected for wind undercatch and missing values have been filled, where possible, using a regression analysis. Appendix 5 summarizes adjusted daily total precipitation, while Appendices 6 and 7 summarize adjusted daily total rainfall and snow-water-equivalent, respectively.

Based on the available data, total monthly precipitation (adjusted) ranged from 33 to 527 mm at Brucejack Lake, 20 to 273 mm at Scott Creek, and 39 to 315 mm at Wildfire Creek. Total annual adjusted precipitation for 2010 at the Brucejack Lake station was 1,968 mm. Total annual adjusted precipitation for 2011 at the Brucejack Lake station and Scott Creek station was 1,672 mm and 1,404 mm, respectively. Total annual precipitation for 2012 at the Brucejack Lake station, Scott Creek station, and Wildfire station was 1,129 mm, 1,073 mm, and 827 mm, respectively.

Note that it is suspected that a snow bridge formed on the GEONOR sensor at Wildfire station on November 18, 2012, therefore, data are missing from that time until the end of the year and actual total precipitation was likely higher than measured for 2012.

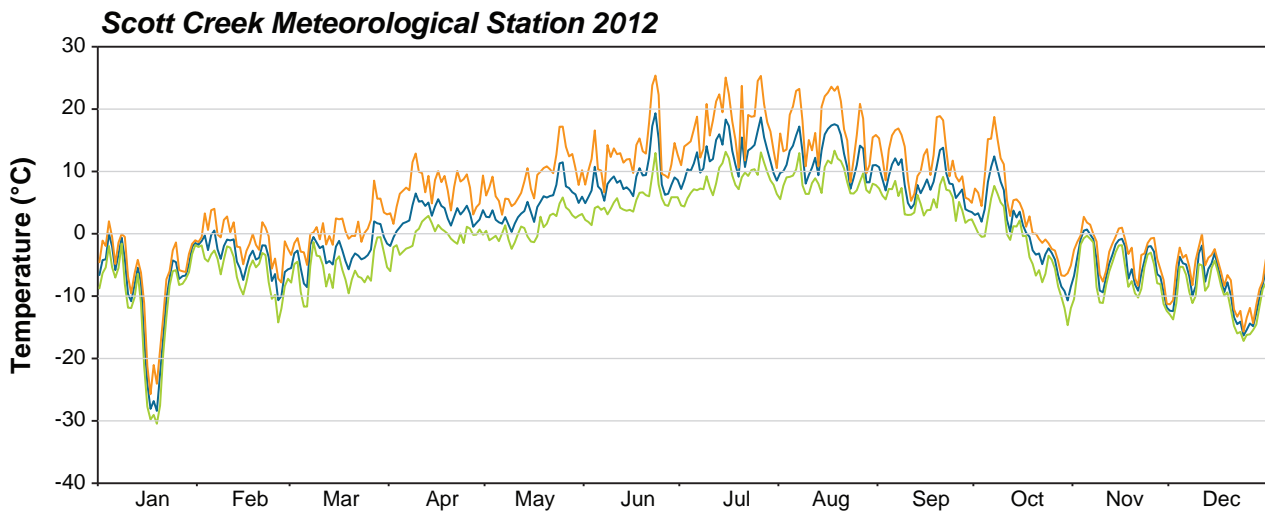
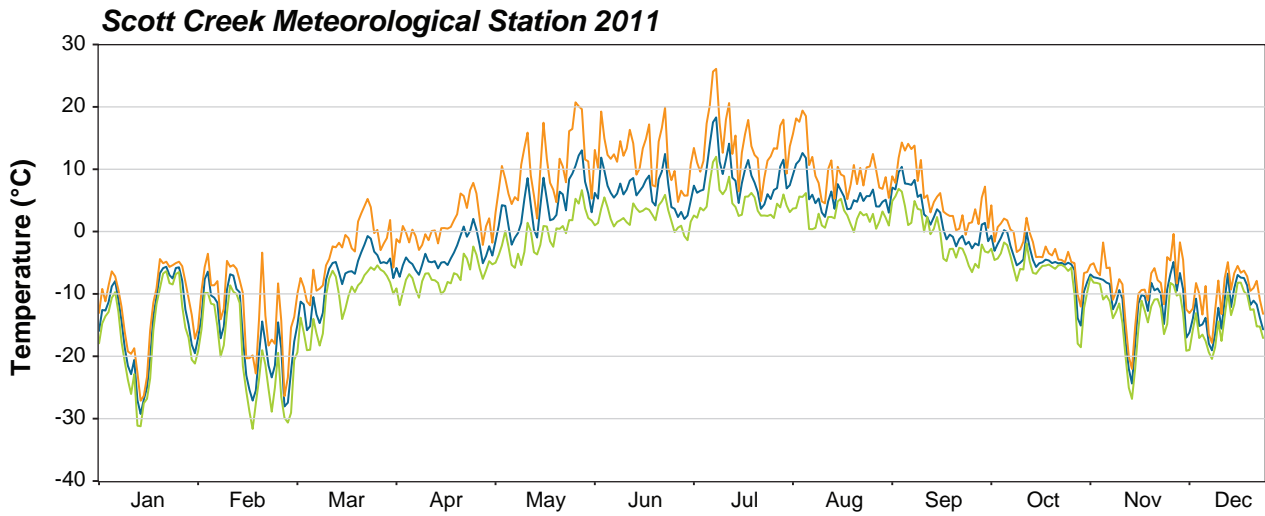
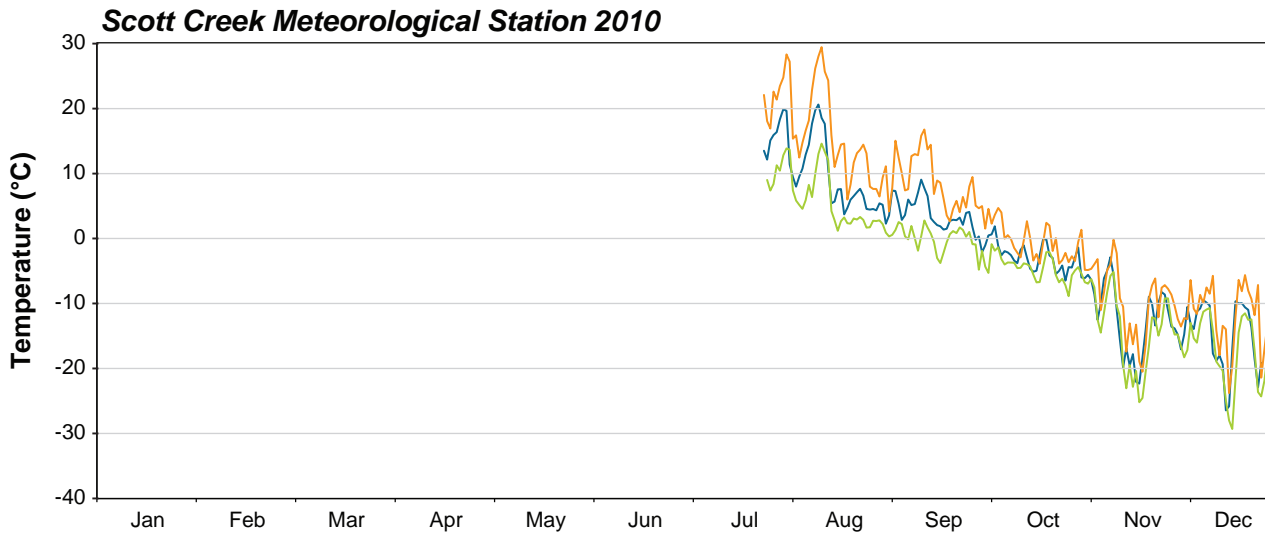


Note: Brucejack Lake station was installed on October 14, 2009.

— Mean Daily Temperature  
— Daily Maximum Temperature  
— Daily Minimum Temperature

## Brucejack Lake Daily Air Temperature

Figure 7.1-1

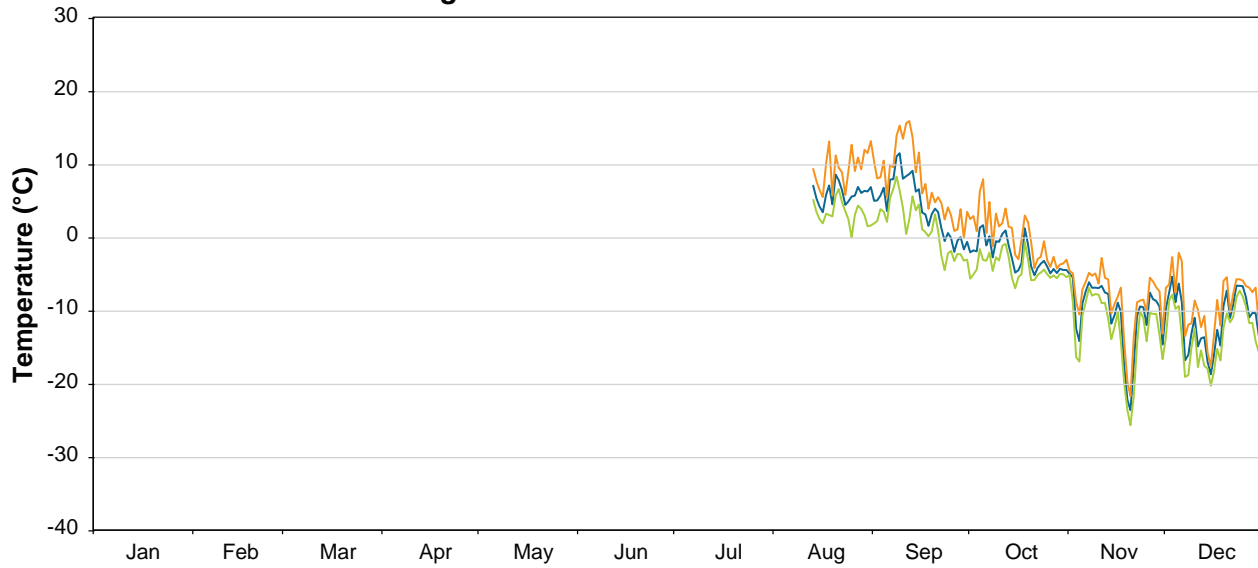


Note: Scott Creek Station was installed on July 29, 2010.

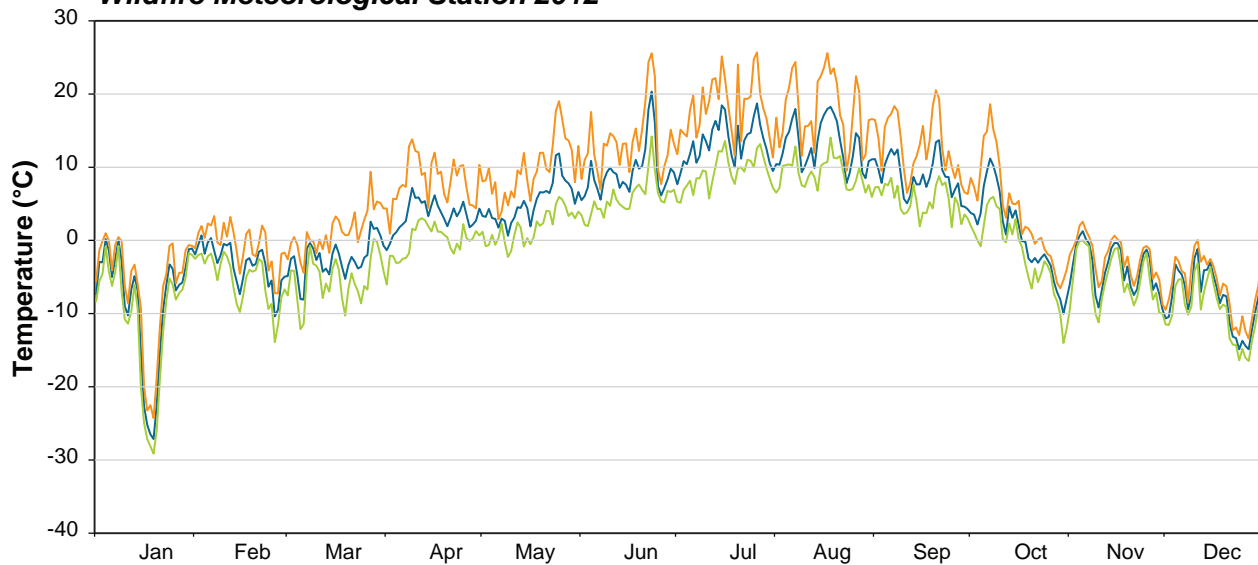
— Mean Daily Temperature  
— Daily Maximum Temperature  
— Daily Minimum Temperature

Figure 7.1-2

### Wildfire Creek Meteorological Station 2011



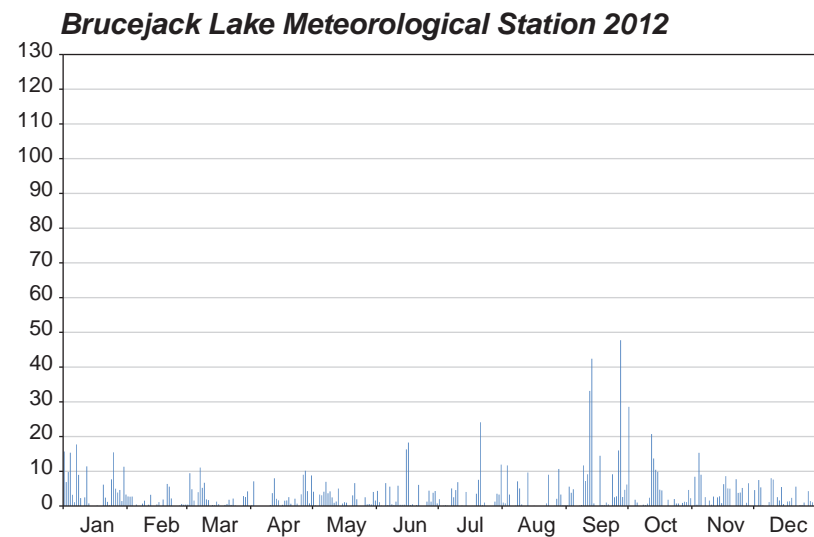
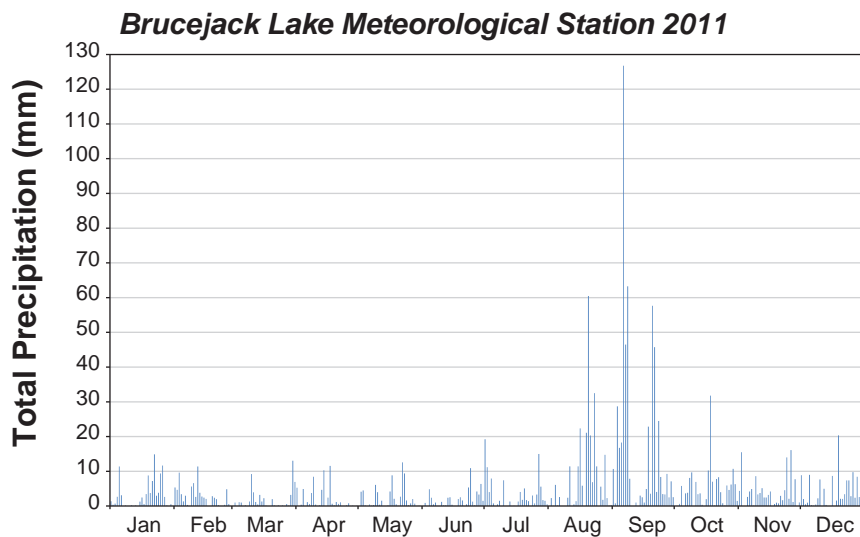
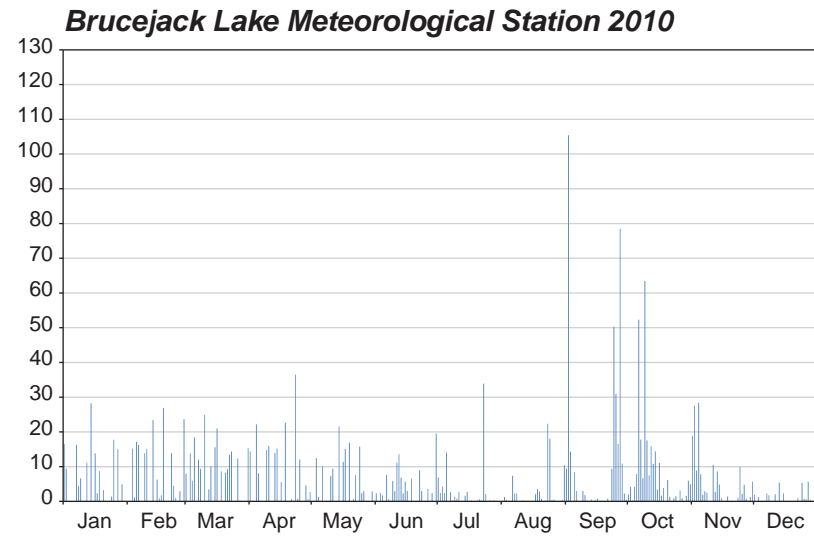
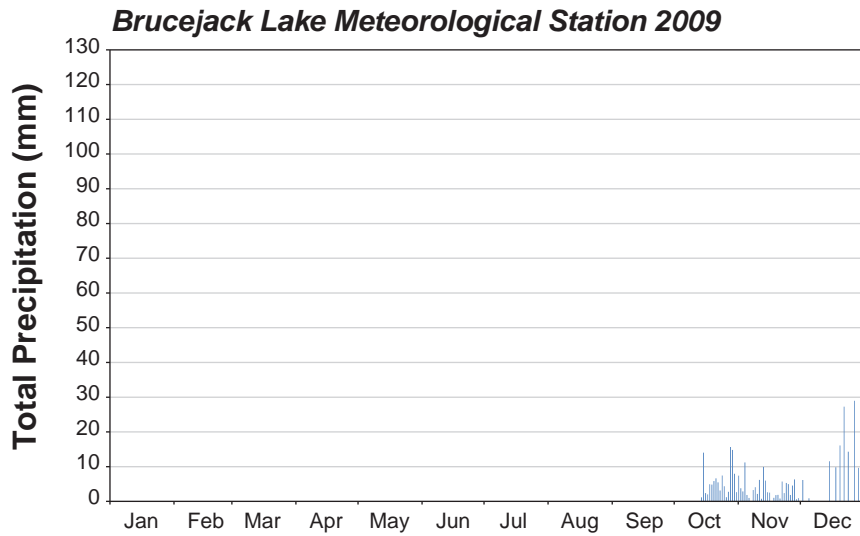
### Wildfire Meteorological Station 2012



Note: Wildfire Creek Station was installed on August 13, 2011.

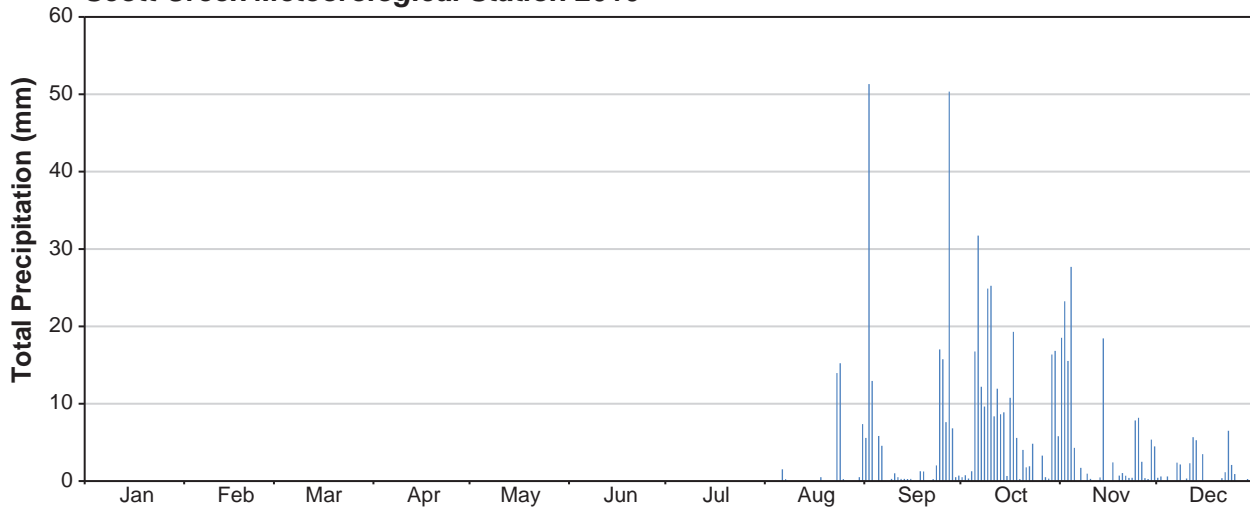


Figure 7.1-3

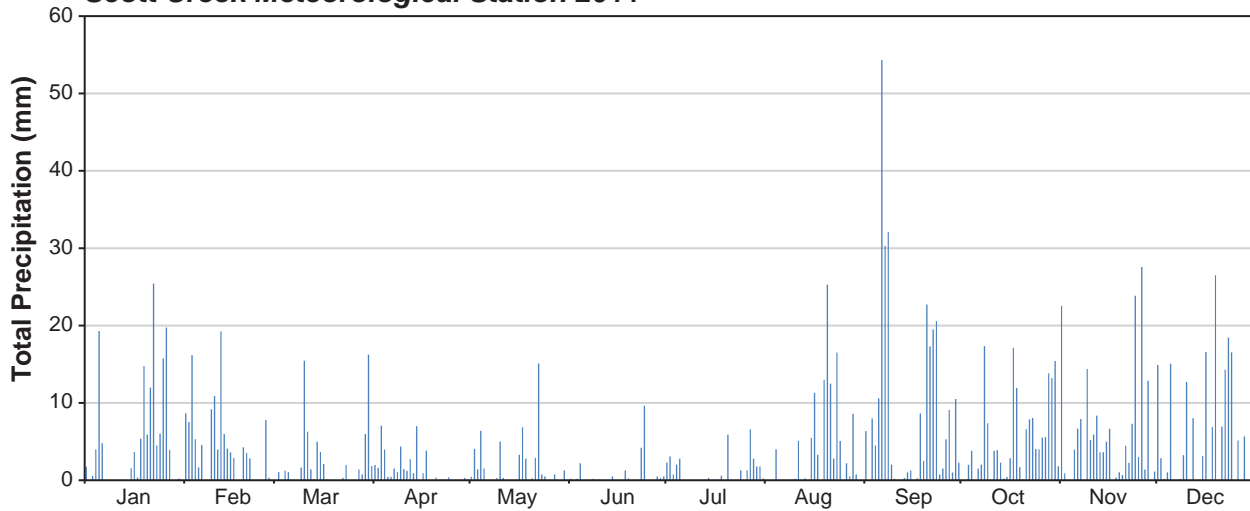


Notes: Brucejack Lake station was installed on October 14, 2009.  
The data presented have been adjusted for wind undercatch and missing values have been filled using a regression analysis, where possible.

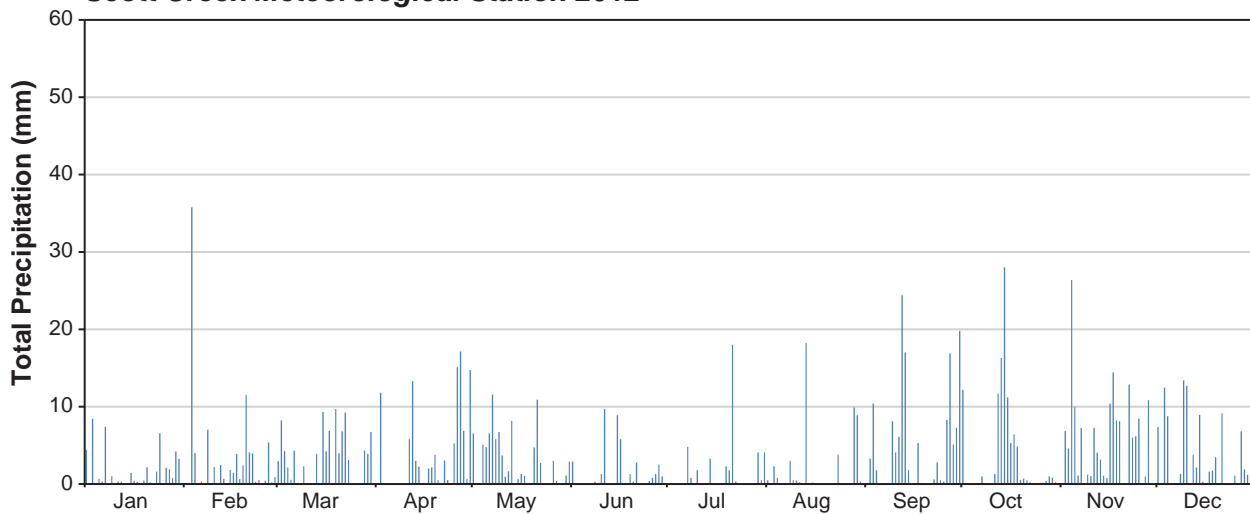
### Scott Creek Meteorological Station 2010



### Scott Creek Meteorological Station 2011



### Scott Creek Meteorological Station 2012

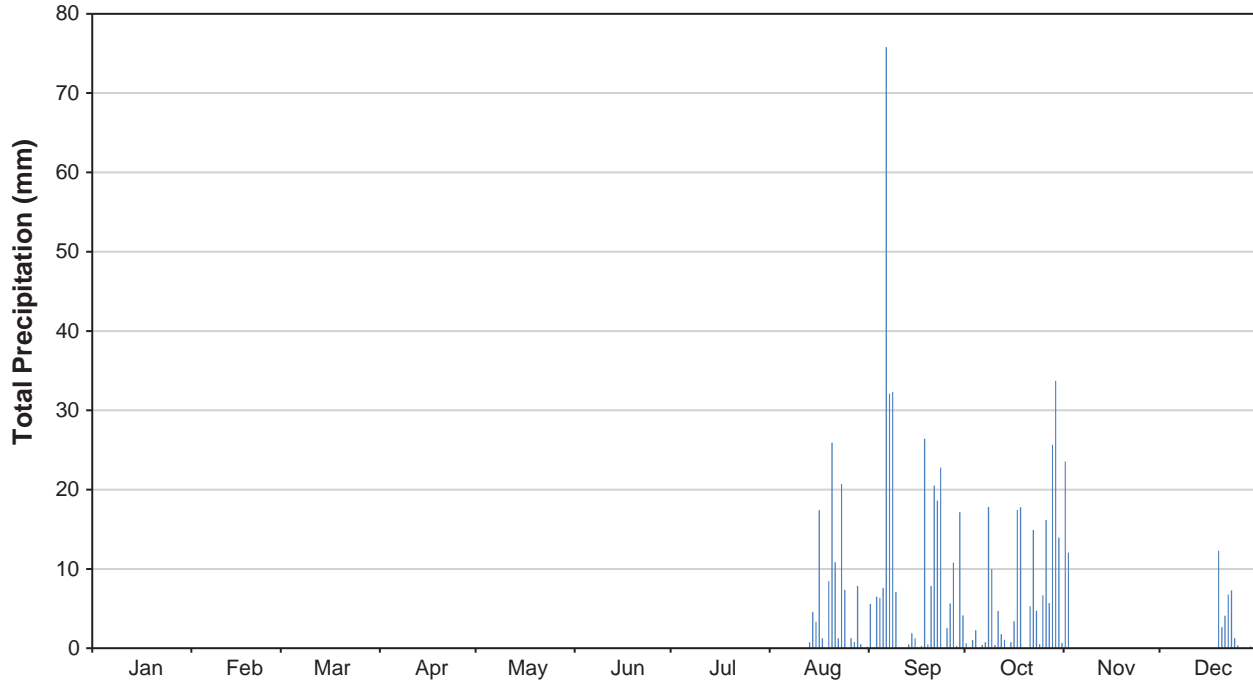


Notes: Scott Creek station was installed on September 9, 2010.  
The data presented have been adjusted for wind undercatch and missing values have been filled using a regression analysis, where possible.

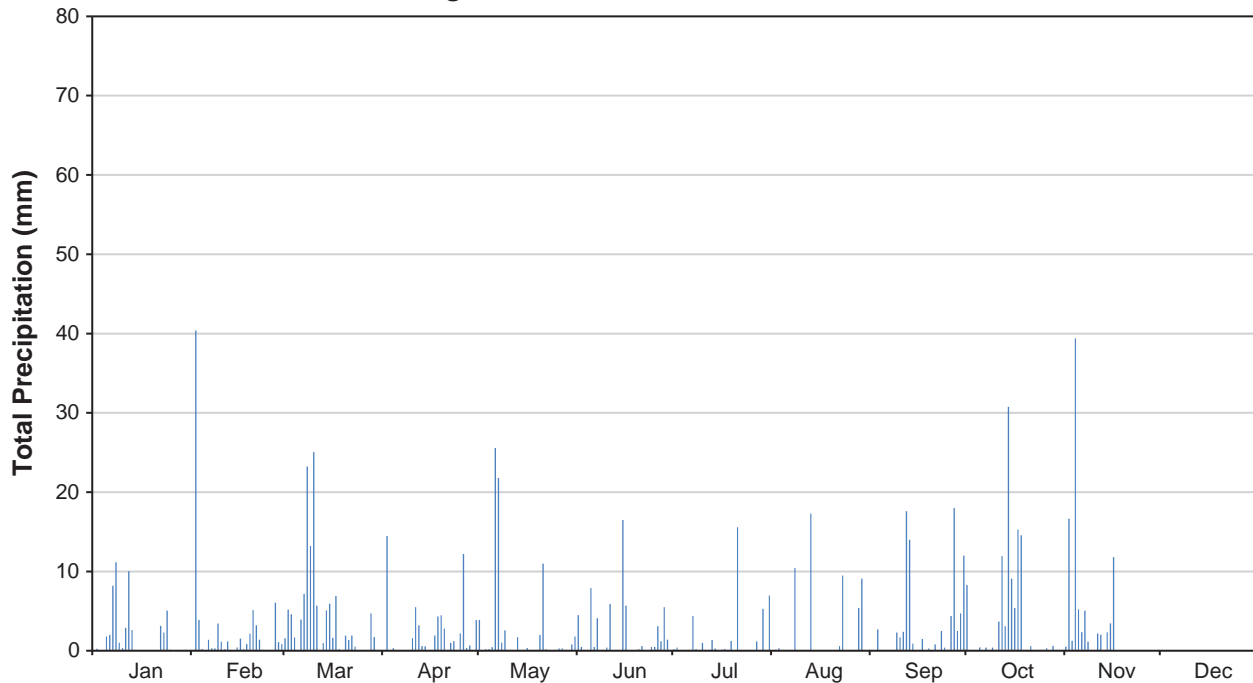
Figure 7.2-2



### Wildfire Creek Meteorological Station 2011



### Wildfire Creek Meteorological Station 2012



Notes: Wildfire Creek station was installed on August 13, 2011.  
The data presented have been adjusted for wind undercatch.  
Wildfire Creek GEONOR precipitation gauge reservoir was at maximum capacity from November 3, 2011 to December 16, 2011.  
The precipitation gauge was affected by a snow bridge from November 18, 2012 to early January 2013.

Figure 7.2-3

From 2010 through 2012, 48% of precipitation at the Brucejack Lake station was rainfall, while 52% fell as snow. During the 2011 and 2012 calendar years, 45% of precipitation was rainfall and 55% was snowfall at the Scott Creek station. The Wildfire Creek station experienced 54% rainfall and 46% snowfall during 2012. During the only complete, concurrent year of data (2012), the Brucejack Lake station collected proportionally more snow (58%) than the Scott Creek (50%) and Wildfire Creek (46%) stations. Additionally, during the period of concurrent records, Brucejack Lake recorded more total precipitation than the other two Project stations. These trends are expected due to elevation difference and proximity to the Pacific Ocean. During the measurement period, at all stations, there was more precipitation collected during the fall and spring than during the summer and winter.

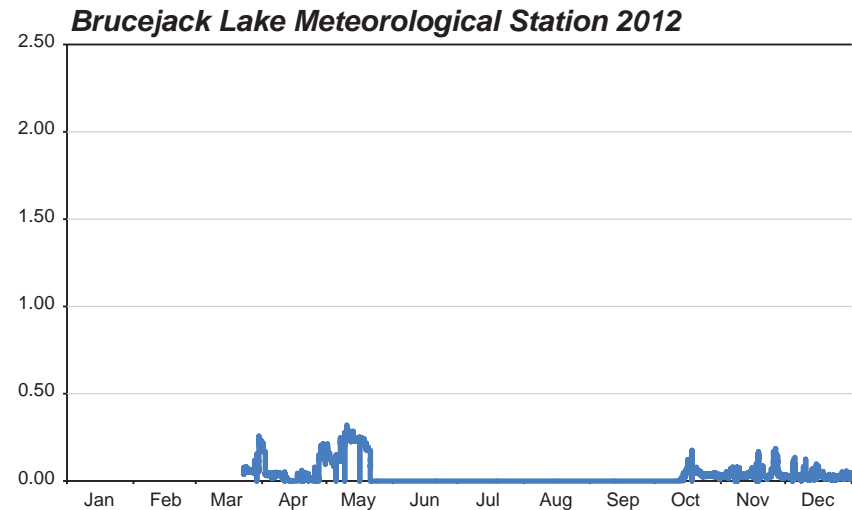
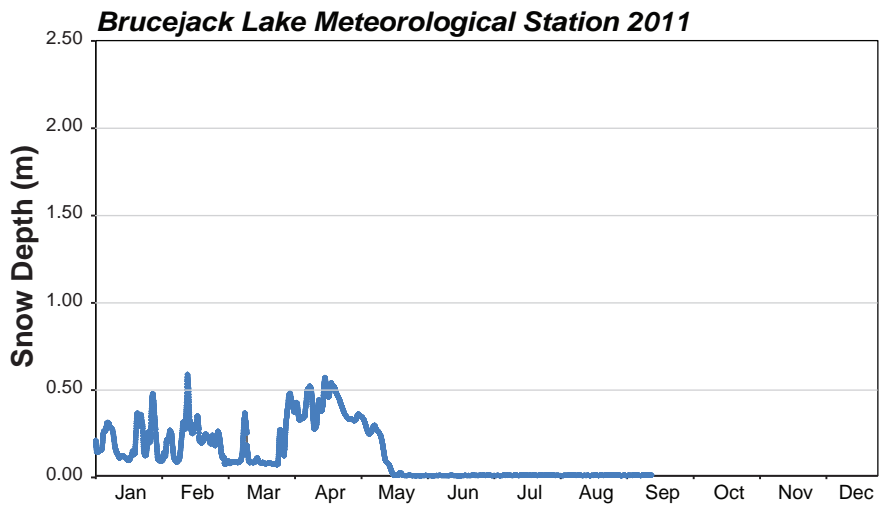
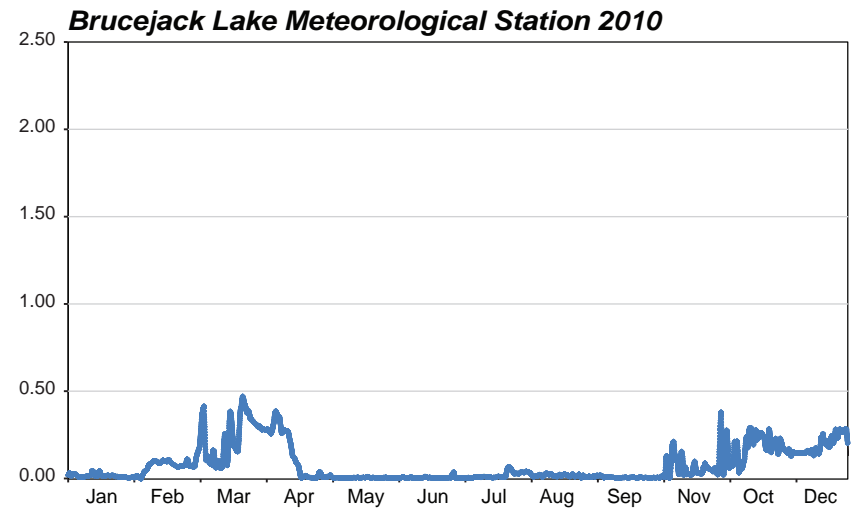
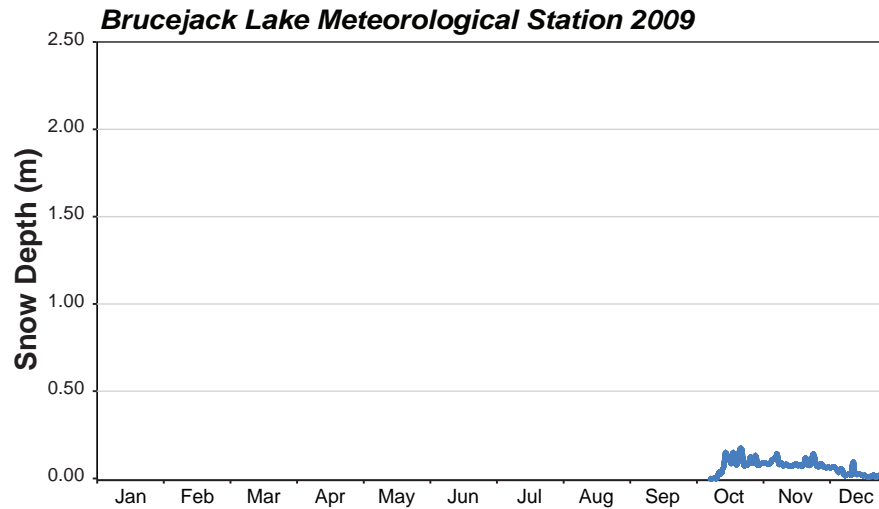
All regional and Project stations follow the same seasonal precipitation pattern with the highest monthly precipitation during the fall, lower precipitation during the winter and spring, and the least amount of precipitation during the early summer. Of the regional stations, Unuk River Eskay Creek had the highest amount of annual precipitation, on average, followed by Stewart Airport and Bob Quinn. Proximity to the Pacific Ocean, station elevation and topography all influence the amount of precipitation at each station.

The historical MSC Brucejack Lake station is missing October to December data, and the precipitation values presented for January and February are suspected to be erroneously too high and too low, respectively, and are not used as a comparison. The March to September historical data follow the similar seasonal pattern as seen with the other regional and Project stations. The Brucejack Lake Project station March to September 2011 and 2012 precipitation data are similar to what was measured at the historical Brucejack Lake station between 1988 and 1990; however, the 2010 precipitation during these months were generally higher than the historical station values. Due to the limited datasets of both stations, it is not possible to conclude any long term annual or seasonal precipitation trends between the two stations.

In the fall of 2010 and 2011, the Project stations recorded precipitation values higher than the regional station long-term average values, and in the winter of 2010, 2011 and 2012, the Project stations recorded precipitation values lower than the regional station average values. The EC Climate Trends and Variations Bulletin for Northern BC show that precipitation during most seasons between 2010 and 2012 were lower than the average values of the past 65 years with the winter seasons having a precipitation departure of -32% to -15% less precipitation than average. The summer of 2011, however, was much wetter than normal (+40%), and had the highest rank out of the 65 years.

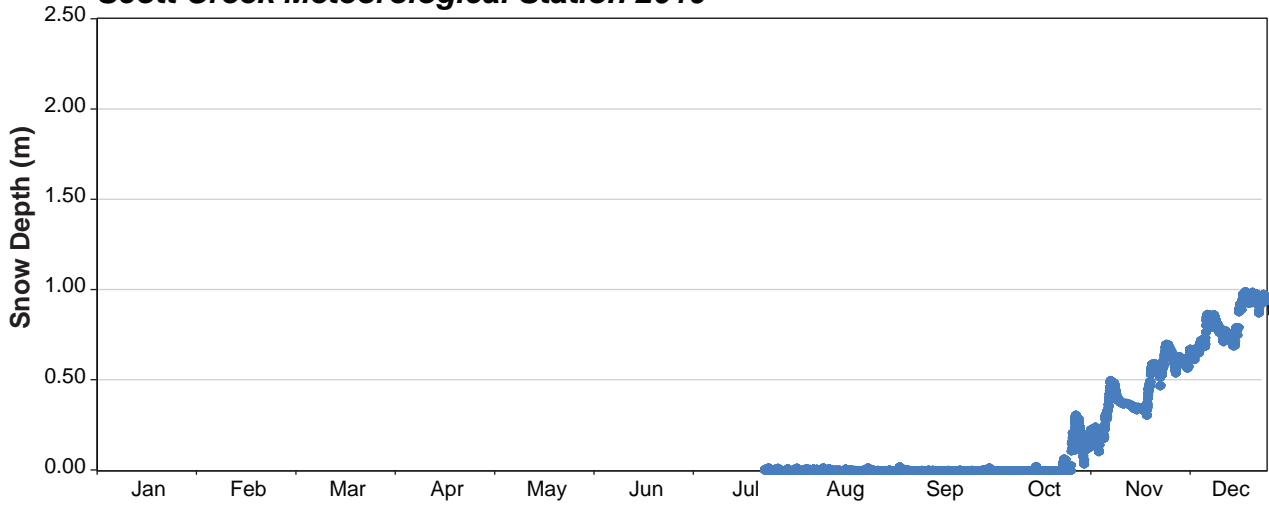
### 7.3 SNOW DEPTH

Snow depths, as measured by an ultrasonic sensor at each of the meteorology stations, are shown in Figures 7.3-1, 7.3-2, and 7.3-3. Snow at Brucejack Lake (1,360 masl) is easily redistributed due to its exposed location and high wind speeds which occur in alpine areas typical of the terrain around Brucejack Lake, causing the snowpack to fluctuate and remain very shallow in comparison to less windswept areas. Due to a sensor malfunction, snow depth data recorded at Brucejack Lake station from September 17, 2011 to March 24, 2012 was determined to be unreliable and was removed from the data set. During the 2009/2010 winter season, snow began to accumulate in early October and then decreased for a few months, likely due to redistribution by wind, and began to build again until it peaked on March 24, 2010 with a depth of approximately 40 cm. During the 2010/2011 winter season, snow began to accumulate at the beginning of October and fluctuated in depth until the snow melted in mid-May. Snow depth peaked at approximately 45 cm between February 12 and 13, 2011. The available, valid data collected during the 2011/2012 winter season indicated a peak snow depth of 32 cm recorded on May 10, 2012. It is known that these values are not representative of the general Brucejack Lake area as deep snow depths are encountered at the Brucejack exploration camp and a depth of 2.5 and 2.9 m was recorded at the nearby SC-02 snow survey site during the 2011 and 2012 winter seasons, respectively (see Section 7.7).

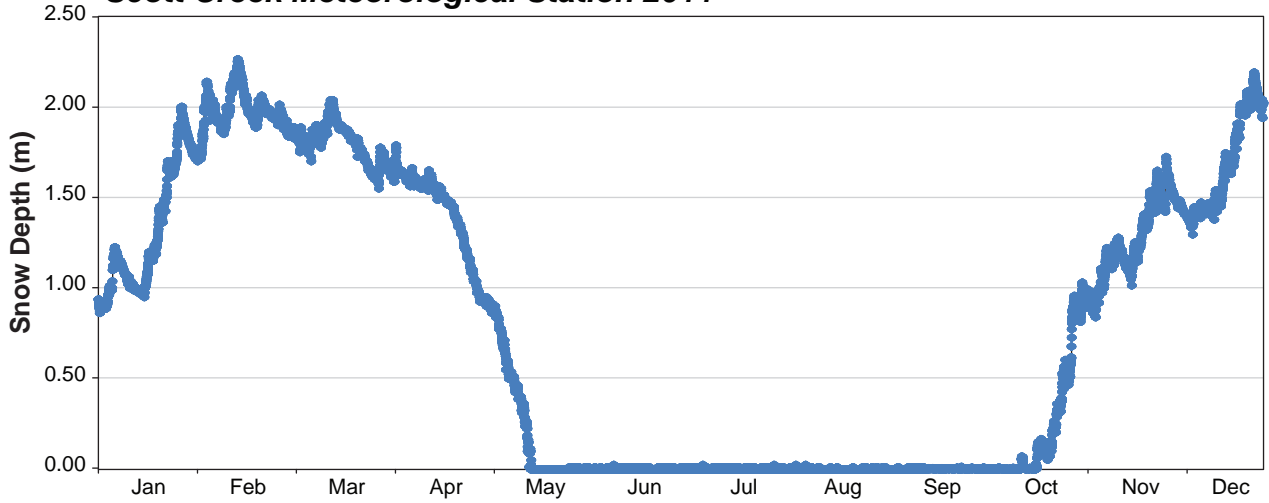


Notes: Brucejack Lake station was installed on October 14, 2009.  
A moving 24-hour average was used to plot Brucejack snow depth data to smooth out the curve.  
Sensor malfunctioned on September 17, 2011, data beyond September 17, 2011 was removed due to unreliability.  
A crate placed under the snow sensor interfered with the operation of the sensor from the beginning of the measurement period until March 23, 2012.

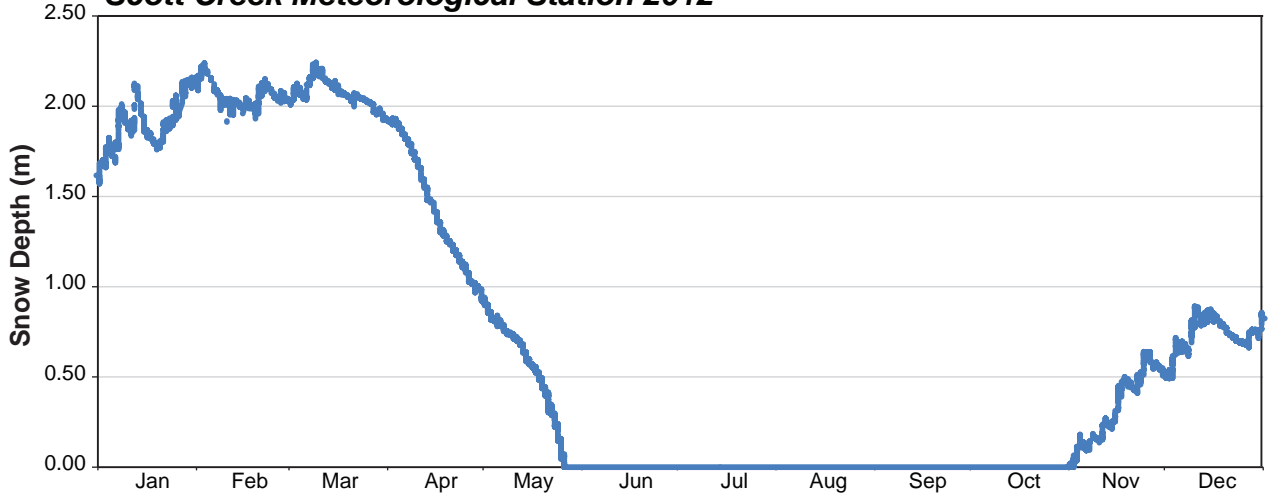
### Scott Creek Meteorological Station 2010



### Scott Creek Meteorological Station 2011



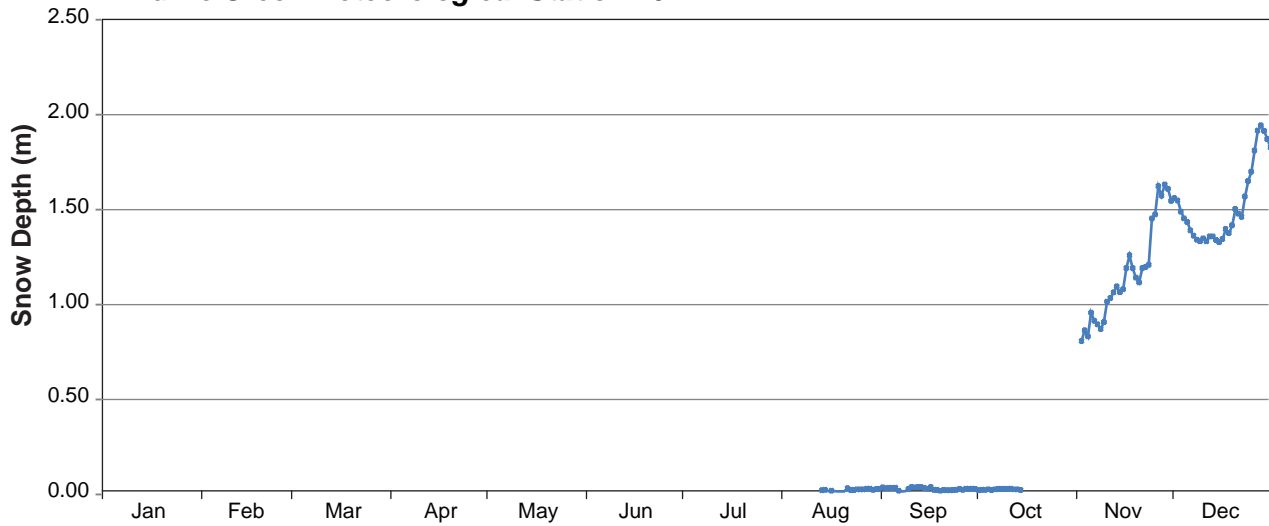
### Scott Creek Meteorological Station 2012



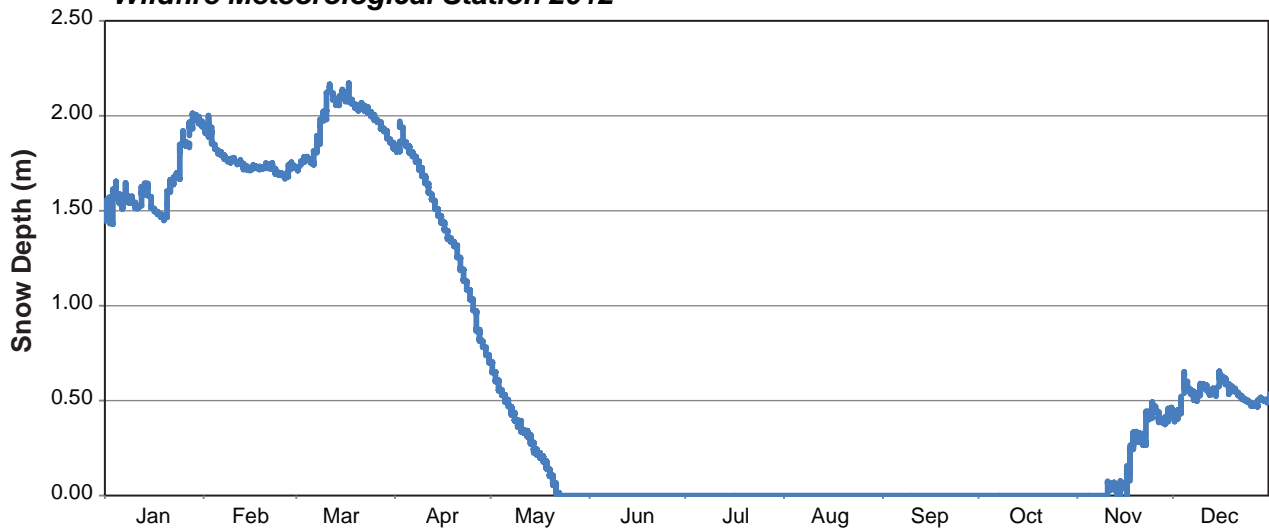
Note: Scott Creek Station was installed on July 29, 2010.

Figure 7.3-2

### Wildfire Creek Meteorological Station 2011



### Wildfire Meteorological Station 2012



Notes: Wildfire Creek Station was installed on August 13, 2011.  
Data missing from October 15 to November 1, 2012.

Figure 7.3-3

Snow pack at the Wildfire Creek (720 masl) and Scott Creek (780 masl) stations is more substantial. The snowpack at Scott Creek began building in late October 2010; its highest point during the 2010/2011 winter season was 1.8 m in mid-February. During the 2011/2012 winter season the snowpack began to accumulate in mid-October and by early March 2012 it had reached depths of 2.2 m, significantly higher than was recorded during 2010/2011. Similarly, the Wildfire Creek snowpack began accumulating in late October and reached about 2.2 m by mid-March. The 2012/2013 snowpack began accumulating approximately two weeks later than previous years, with the first recorded depths occurring in November. The Scott Creek and Wildfire Creek meteorology stations are located at lower elevations than the Brucejack Lake station, in open areas surrounded by evergreen trees which reduce wind distribution of settled snow, leading to greater snow accumulation.

Throughout the Project area, it is expected that snow depth will vary to a large degree over relatively local scale due to interactions between topography, wind, and obstacles. Exposed windswept areas such as Brucejack Lake station have little snow depth, while very high snow accumulation can occur around large obstacles. It is not uncommon for the leeward side of buildings in Brucejack Camp to have snow depths of 6 m due to air turbulence depositing windblown snow.

Based on the regional station data, lower elevation snow depths tend to peak in late January and higher elevation stations tend to peak in late March, on average. The snow depth at Scott Creek and Wildfire Creek meteorological stations in 2011 and 2012 was less than the Unuk River Eskay Creek MSC historical station values, but much higher than the historical snow depths at Stewart Airport and Bob Quinn stations which have much lower elevations in comparison. It is expected that the higher elevation stations will have a greater snow depth than the lower elevation stations, as seen with the Project and regional stations.

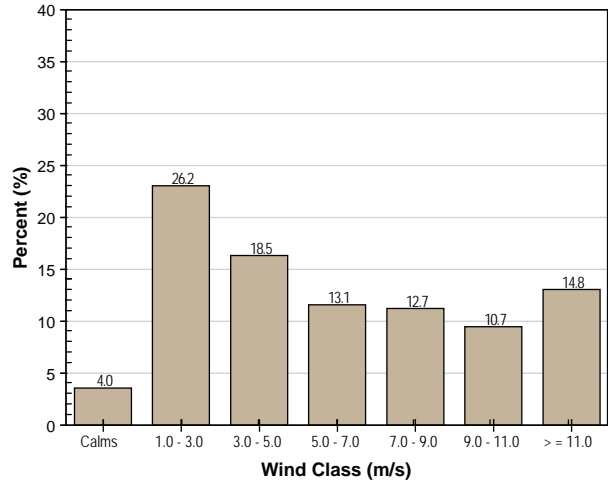
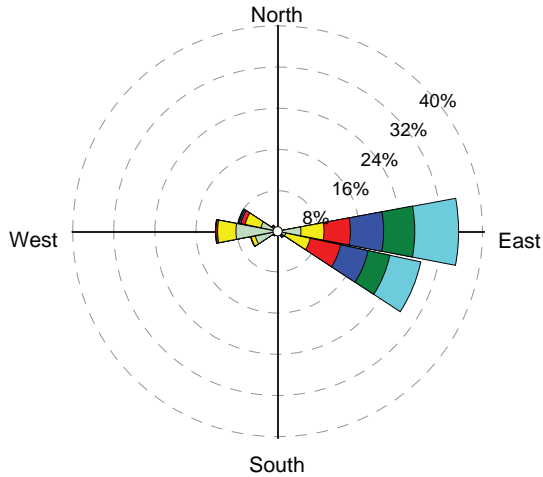
### 7.4 WIND

The predominant wind directions for the Brucejack Lake meteorological station were from the east to east-southeast (Figure 7.4-1). Over the three full years of available data (2010 through 2012), the wind was from this direction approximately 64% of the time and remained above 6 m/s about 45% of the time. Calm conditions (i.e., hourly average wind speeds less than 1.0 m/s) prevailed 4% of the time. While winds blew from the east and east-southeast over 74% of the time during the winter, they only blew from those directions approximately 49% of the time during the summer. In addition, wind speeds were substantially higher during the winter than summer. See Table 6.1-5 for a description of different wind speeds.

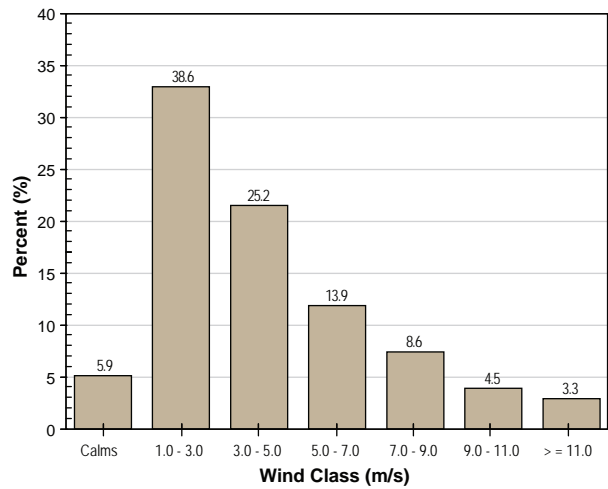
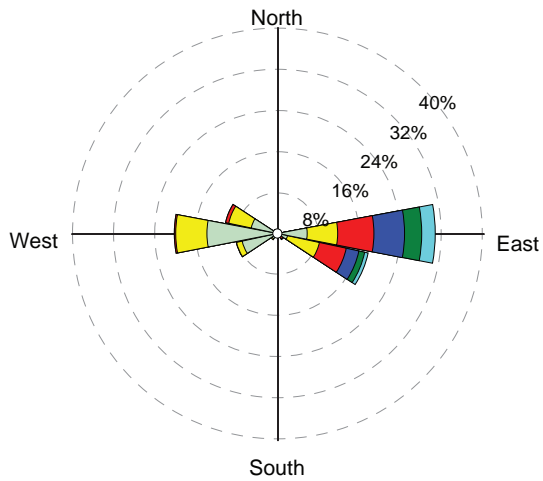
At the Scott Creek meteorological station wind blew predominantly from the north and the southwest (Figure 7.4-2). Over the two full years of available data (2011 and 2012) the most common wind directions were from the south and southwest; these wind directions were recorded approximately 35% of the time. Wind speeds greater than 6 m/s occurred about 2% of the time at the Scott Creek station. This station experienced calm conditions about 23% of the time. Wind was more common from the north and north-northwest in the winter and more common from the south and southwest in the summer.

The predominant wind direction at the Wildfire Creek meteorological station came from the east-southeast (Figure 7.4-3). This wind direction was recorded approximately 17% of the time. Wind speeds greater than 6 m/s occurred less than 1% of the time at the Wildfire Creek station. This station experienced calm conditions about 29% of the time and wind speeds were less than 3 m/s 81% of the time. During the summer months winds blew predominantly from the west and west-southwest, while during the winter winds were more common from the east and east-southeast. Wind speeds were highest during the winter.

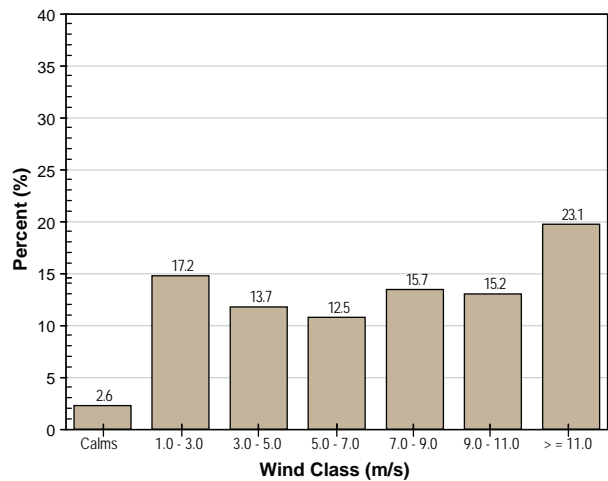
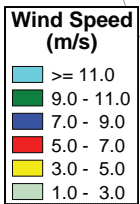
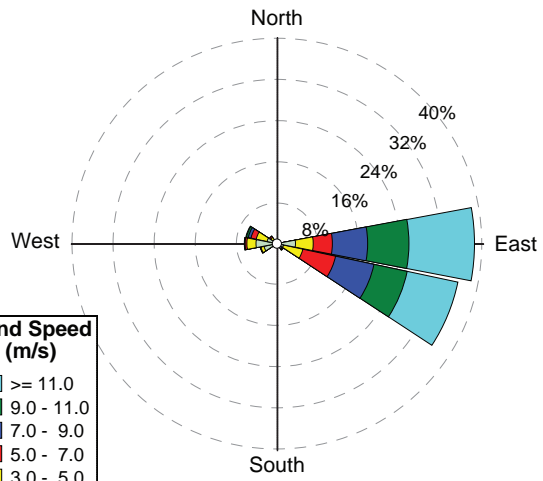
### Annual



### Summer



### Winter

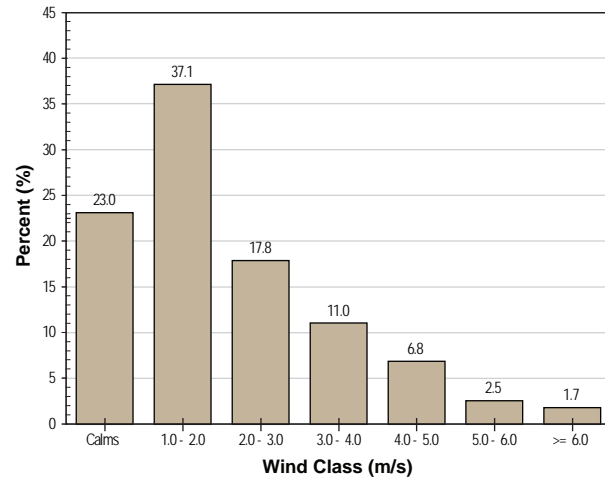
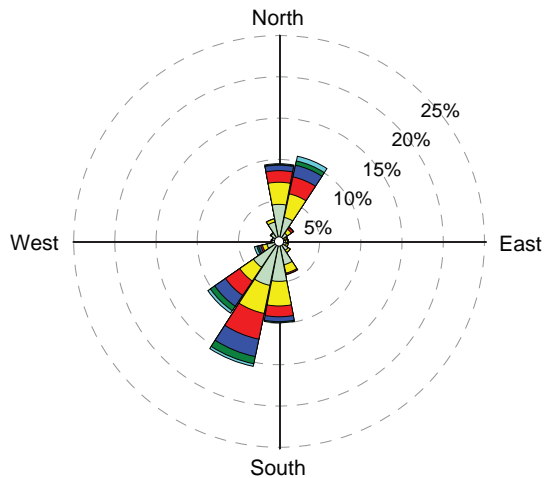


Note: Wind flow is FROM the directions shown. Calms are hourly average wind speeds less than 1 m/s.

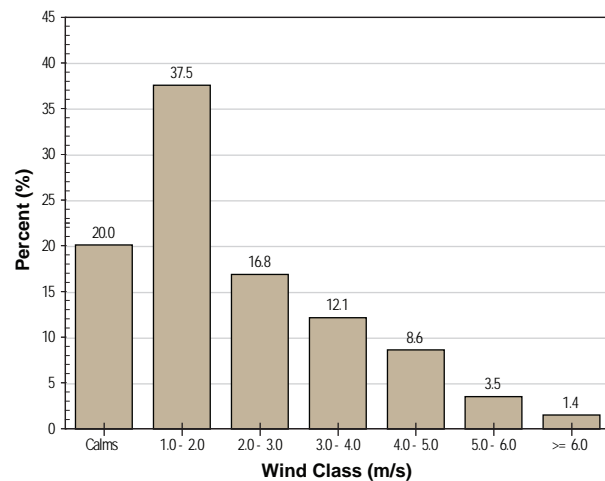
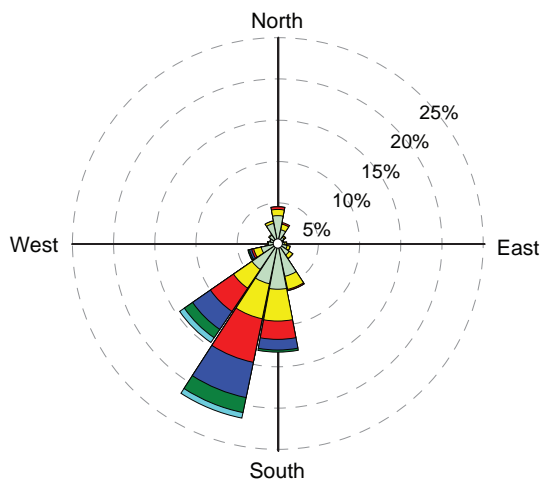
Figure 7.4-1

Brucejack Lake Annual, Summer, and Winter Windroses Based on Hourly Data, 2010 to 2012

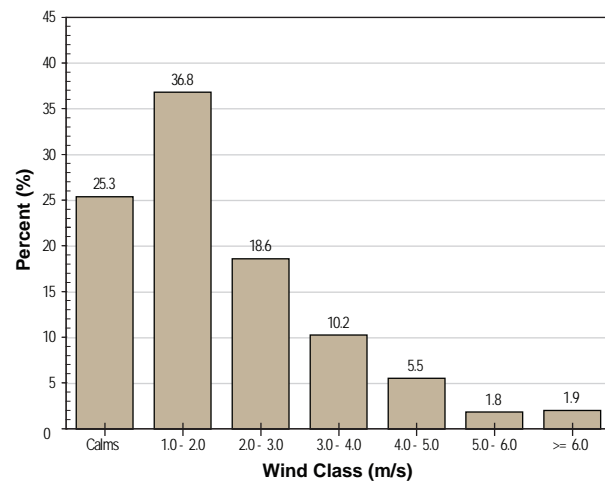
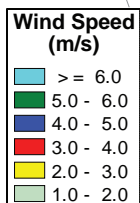
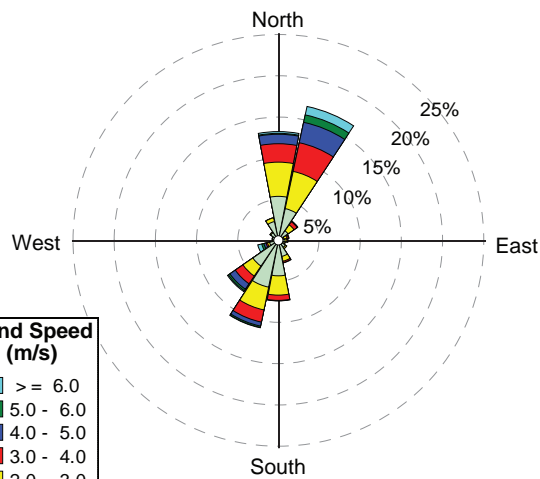
### Annual



### Summer



### Winter



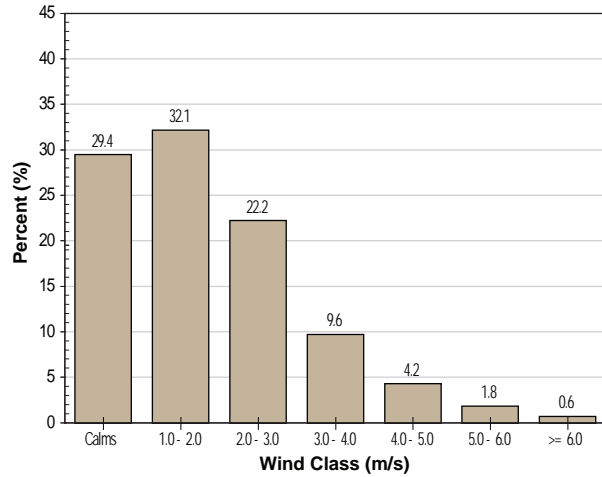
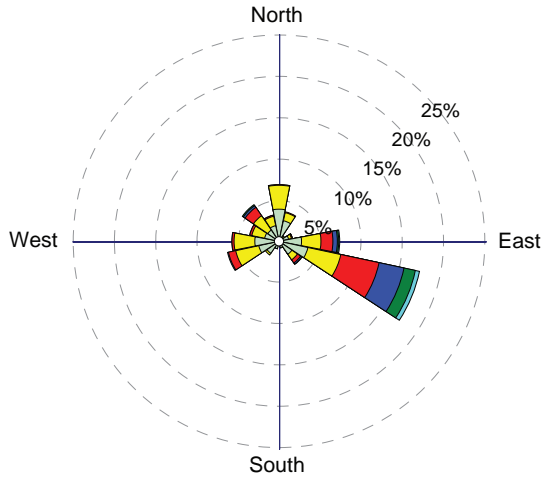
Note: Wind flow is FROM the directions shown. Calms are hourly average wind speeds less than 1 m/s.

Scott Creek Annual, Summer, and Winter Windroses Based on Hourly Data, 2011 to 2012

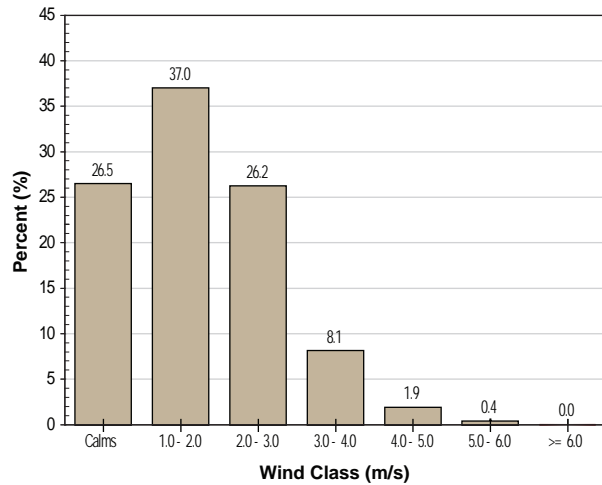
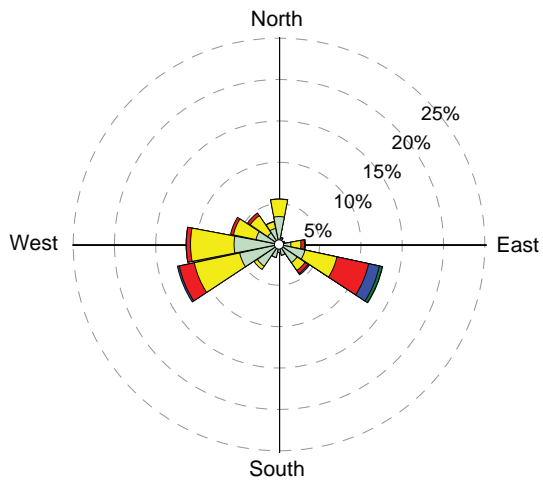
Figure 7.4-2



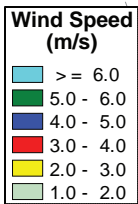
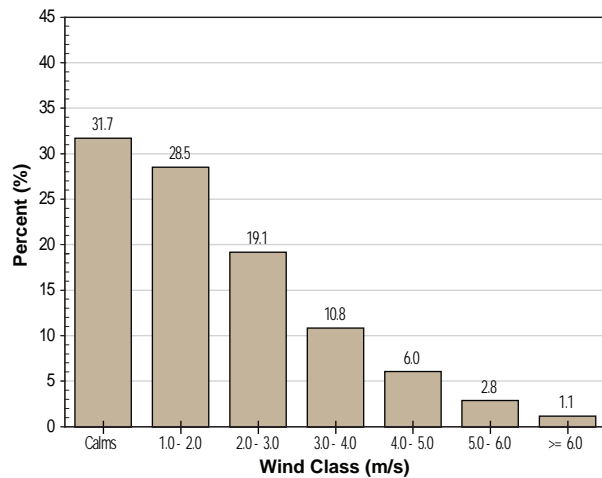
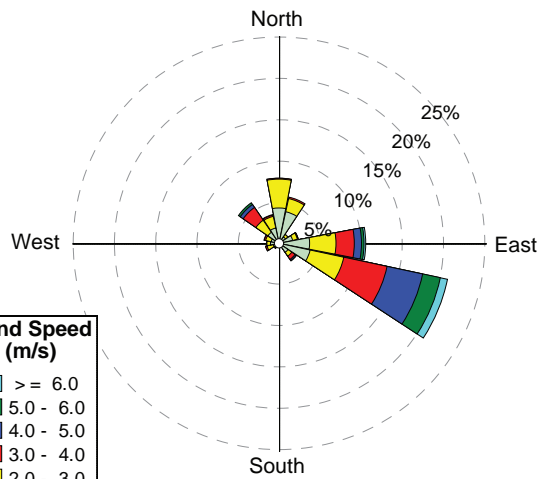
**Annual**



**Summer**



**Winter**



Note: Wind flow is FROM the directions shown. Calms are hourly average wind speeds less than 1 m/s.

**Wildfire Creek Annual, Summer, and Winter Windroses Based on Hourly Data, 2011 to 2012**

Figure 7.4-3

During the 2012 monitoring period, the maximum instantaneous wind speed recorded at Brucejack Lake was 29.1 m/s (equivalent to winds experienced during a violent storm) and was recorded during November 2012. The maximum instantaneous wind speed recorded at Scott Creek was 20.5 m/s and was recorded during January 2012. The maximum instantaneous wind speed recorded at Wildfire Creek was 17.8 m/s and was recorded during September 2012. Wind speeds were much higher at the Brucejack Station than either of the Wildfire or Scott Creek stations due to elevation, surrounding topography features, and tree cover differences between the sites.

## 7.5 SOLAR RADIATION

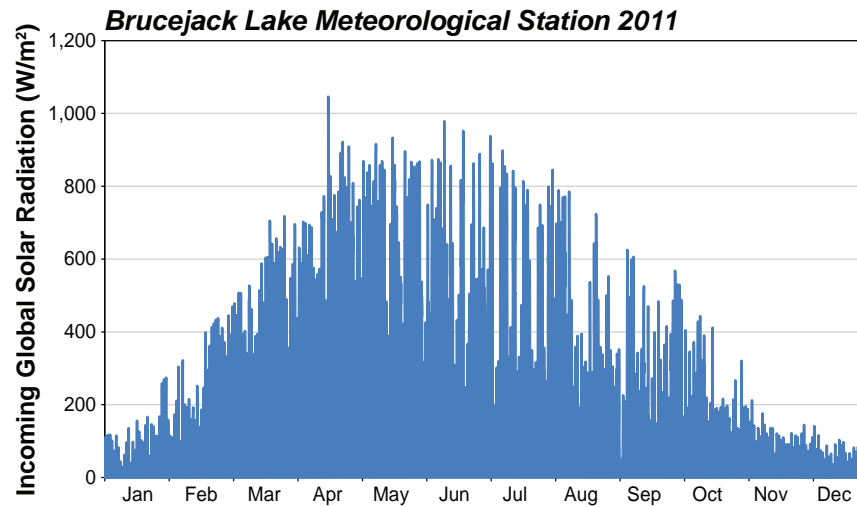
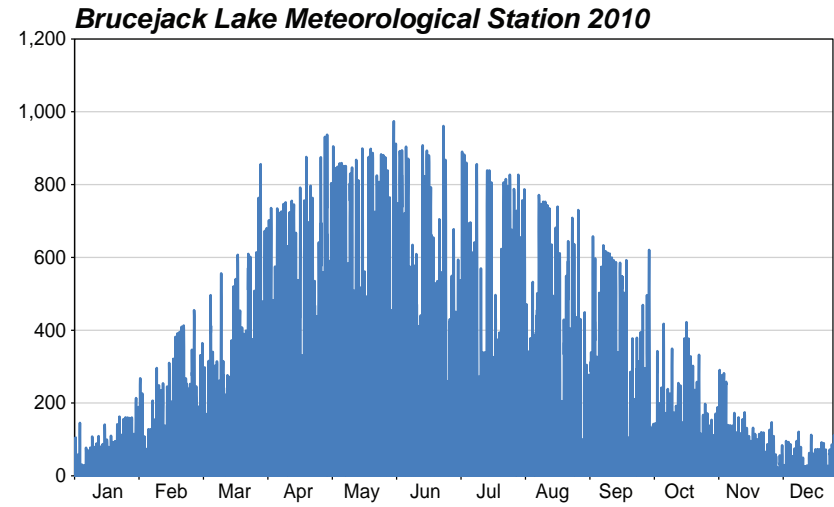
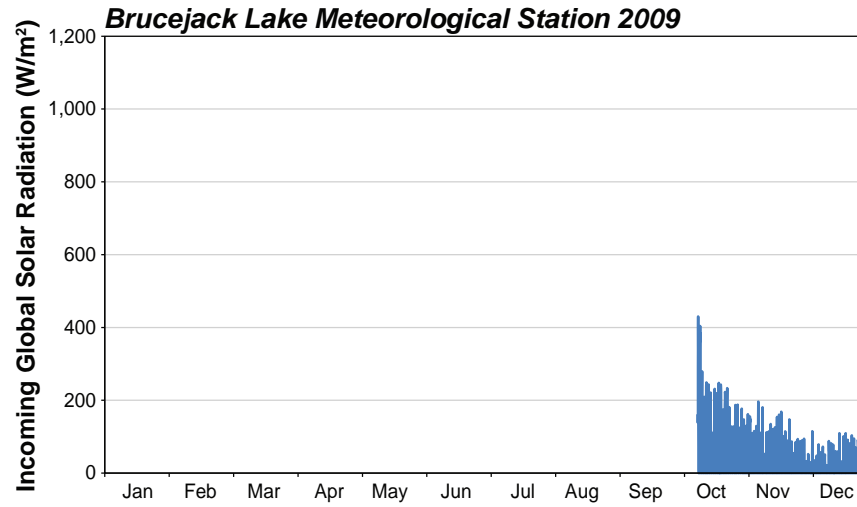
Solar radiation is electromagnetic energy from the sun. Solar energy accounts for 99% of the Earth's energy budget. The solar radiation incident on top of the terrestrial atmosphere is called extraterrestrial solar radiation. Ninety-seven percent of this radiation is confined to the spectral range of 0.29 to 3.0 microns and is referred to as short-wave radiation. A portion of the extraterrestrial solar radiation penetrates through the atmosphere to the earth's surface, while part of it is scattered and/or absorbed in the atmosphere by gases, aerosol particles, cloud droplets and cloud crystals. Global solar radiation is monitored at the Project meteorological stations using a silicone pyranometer. Global solar radiation is the total incoming direct and diffuse short-wave solar radiation received from the whole dome of the sky on a horizontal surface.

Tables 7-1 to 7-3 present mean daily global solar radiation in watts per square metre at the Brucejack Lake, Scott Creek and Wildfire Creek stations, respectively. Figures 7.5-1, 7.5-2, and 7.5-3 show hourly average global solar radiation at Brucejack Lake, Scott Creek, and Wildfire Creek. The highest daily average solar radiation levels were 361 W/m<sup>2</sup> (June 6, 2010), 356 W/m<sup>2</sup> (June 12, 2012), and 334 W/m<sup>2</sup> (July 3, 2012) at the Brucejack Lake, Scott Creek, and Wildfire Creeks stations, respectively. The maximum hourly average solar radiation value at the Brucejack Lake station, 1,046 W/m<sup>2</sup>, occurred on April 18, 2011 and at 1:00 PM. The highest hourly average solar radiation at Scott Creek station was 1,059 W/m<sup>2</sup> on June 20, 2011 at 2:00 PM. The highest hourly average solar radiation at Wildfire Creek station was 897 W/m<sup>2</sup> on May 23, 2012 at 1:00 PM.

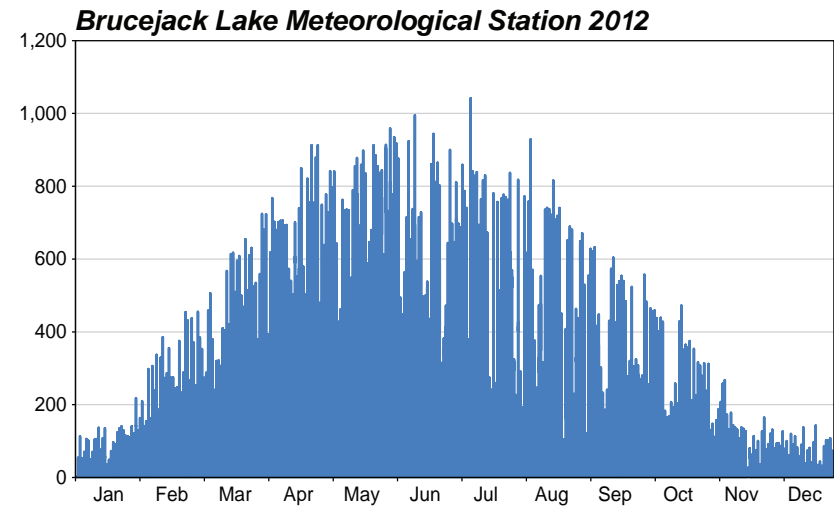
The lowest solar radiation values during daylight hours were recorded during winter months when the sun is at its lowest angle and there is a higher frequency for low cloud cover that scatters, absorbs and reflects the incoming solar radiation. The minimum average daily solar radiation, 3.1 W/m<sup>2</sup>, was recorded at the Brucejack Lake station on November 20, 2012. The minimum average daily solar radiation of 0.5 W/m<sup>2</sup> was recorded at the Scott Creek station on December 26, 2011 and again on January 1, 2012. The minimum average daily solar radiation of 0.7 W/m<sup>2</sup> was recorded at the Wildfire Creek station on January 3, 2012. Annual minimum daily average values are expected to occur during the winter when there are fewer daylight hours. All of the hourly average solar radiation values recorded during the night time were 0 W/m<sup>2</sup>.

The World Meteorological Organization defines a bright sunshine hour as an hour in which the average solar radiation is greater than 120 W/m<sup>2</sup>. During 2012 there were 2,644, 2,298, and 2,363 bright sunshine hours recorded at the Brucejack Lake, Scott Creek and Wildfire Creek stations, respectively.

Net radiation monitored at the automated stations generally exhibited an energy deficit during the winter months (October through May) and an energy surplus throughout the summer (June through September). Data is not presented within this report and is available upon request.

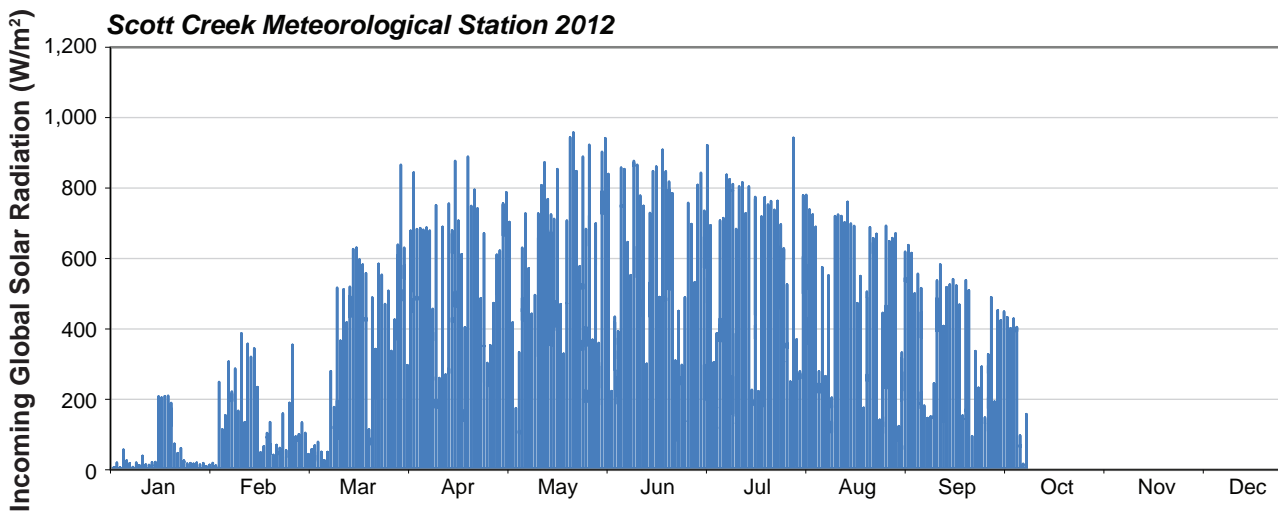
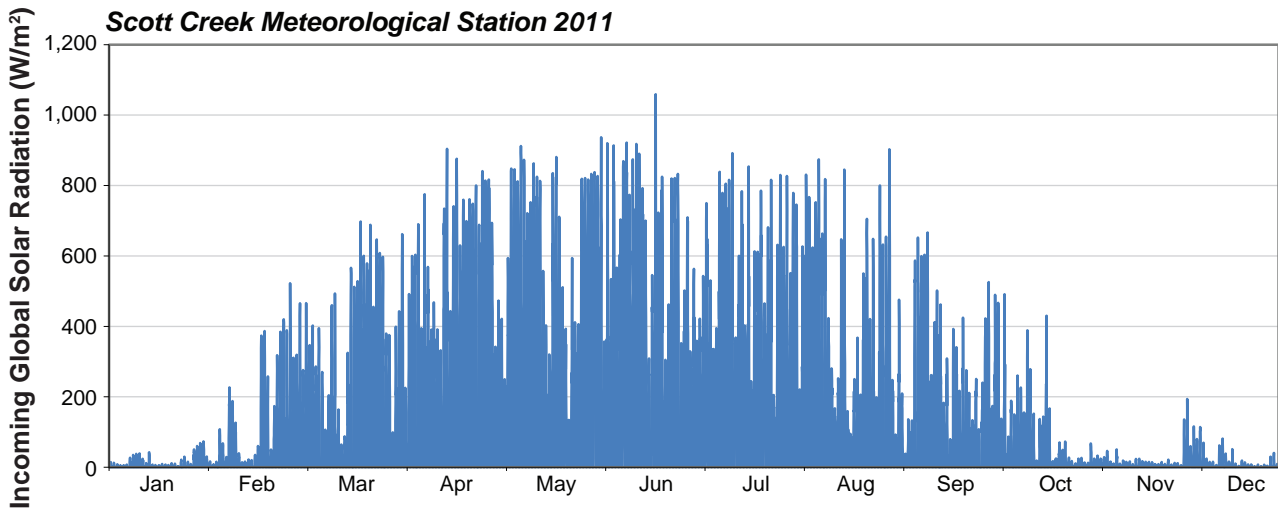
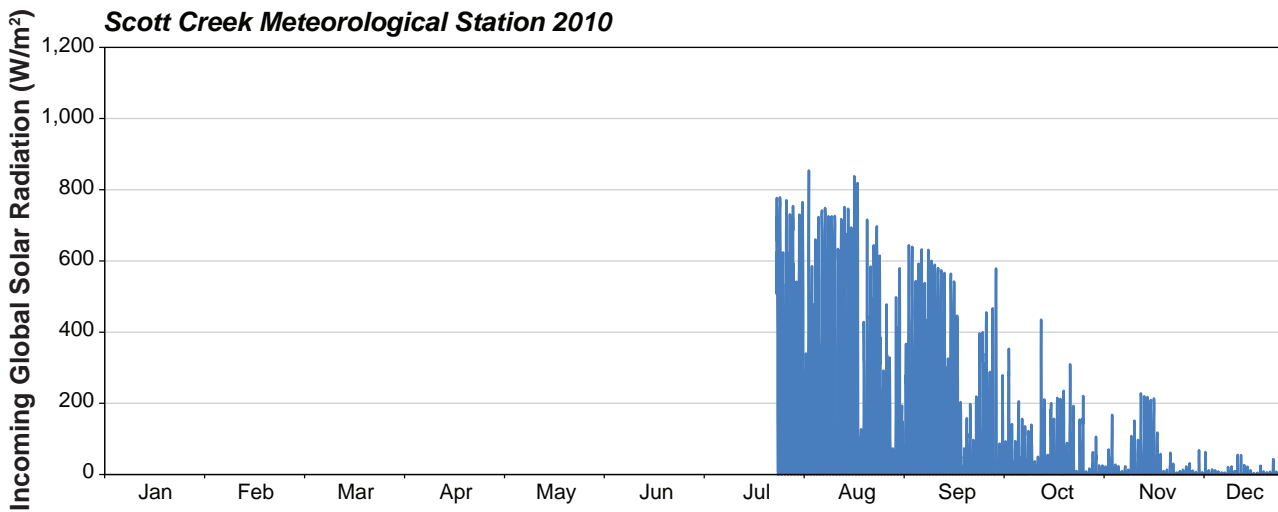


Note: Brucejack Lake station was installed on October 14, 2009.



### Brucejack Lake Hourly Solar Radiation

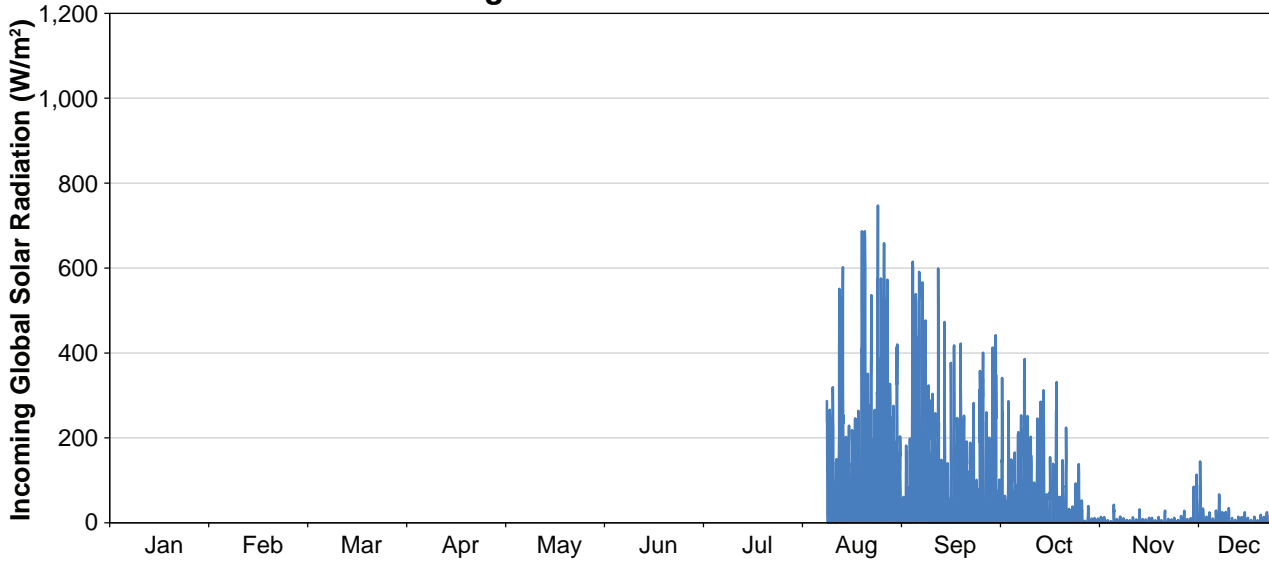
Figure 7.5-1



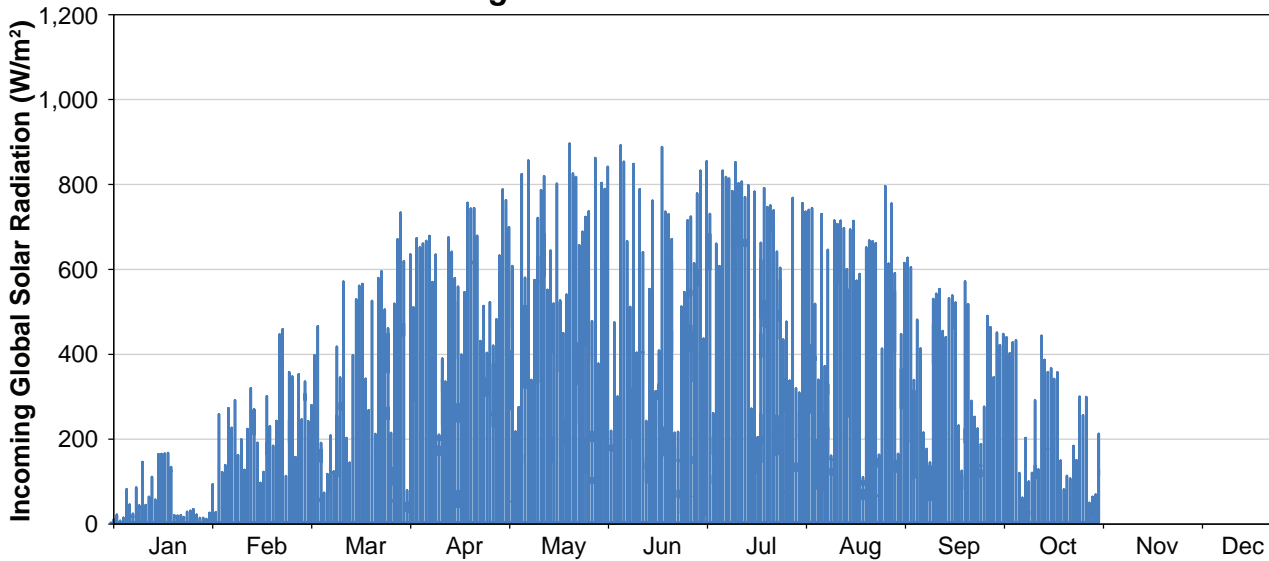
Notes: Scott Creek Station was installed on July 29, 2010.  
The Scott Creek solar radiation sensor was covered in snow from Oct. 14 until the end of the reporting period.

Figure 7.5-2

### Wildfire Creek Meteorological Station 2011



### Wildfire Creek Meteorological Station 2012



Notes: Wildfire Creek Station was installed on August 13, 2011.  
The Wildfire Creek solar radiation sensor was covered in snow from Nov. 6 until the end of the reporting period.

Figure 7.5-3

## 7.6 BAROMETRIC PRESSURE

Barometric pressure on a given horizontal surface is the force per unit area exerted on that surface by virtue of the weight of the atmosphere above. Barometric pressure data are used primarily in weather analyses. Climatological applications include trajectory and storm track studies, health studies, and verification and evaluation of climatic models. Pressure is corrected to sea level conditions to compare pressure conditions from one location to another, regardless of elevation differences. The readings from the barometric pressure sensor at the Brucejack Lake, Scott Creek, and Wildfire Creek stations were corrected to sea level during the post-processing of data using an offset based on the elevation of the stations. Mean atmospheric sea level pressure is 101.325 kPa. Pressure conditions greater than 101.325 kPa are considered high pressure and less than are considered low pressure.

Figures 7.6-1, 7.6-2, and 7.6-3 summarize the hourly barometric pressure readings recorded at the Brucejack Lake, Scott Creek, and Wildfire Creek meteorology stations. Barometric pressure corrected to sea level at Brucejack Lake, Scott Creek, and Wildfire Creek stations remained between 97 and 104 kPa year round. The maximum corrected barometric pressures were 103.4 kPa, 103.8 kPa, and 103.5 kPa, respectively, and the minimum corrected barometric pressures were 97.6 kPa, 97.4 kPa, and 97.4 kPa, respectively. The Brucejack Lake barometric pressure sensor experienced a malfunction between January 21, 2012 and November 21, 2012 data for the remainder of 2012 is not available.

## 7.7 SNOW SURVEYS

In April 2011 and 2012, snow surveys were conducted in the Project area to determine snow depths and SWEs. These snow surveys were timed to attempt to measure snow at its peak SWE. Based on the continuous snow depths recorded at the site meteorological stations (see section 7.3), peak snow depths occurred in early February of 2011 and in mid-March of 2012. The SWE measurements collected are assumed to represent late-winter conditions, prior to substantial melting as shown in Figures 7.3-1 to 7.3-3. Field data sheets are included in Appendix 1.

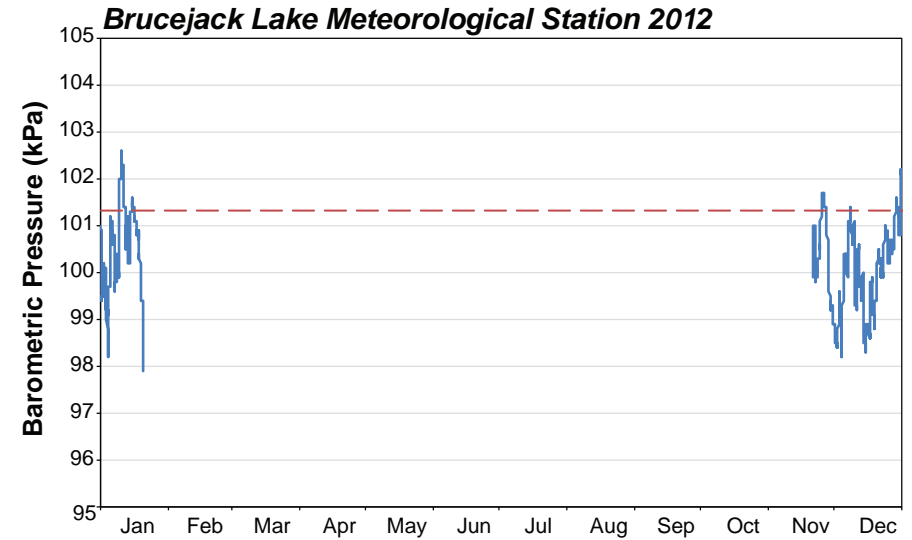
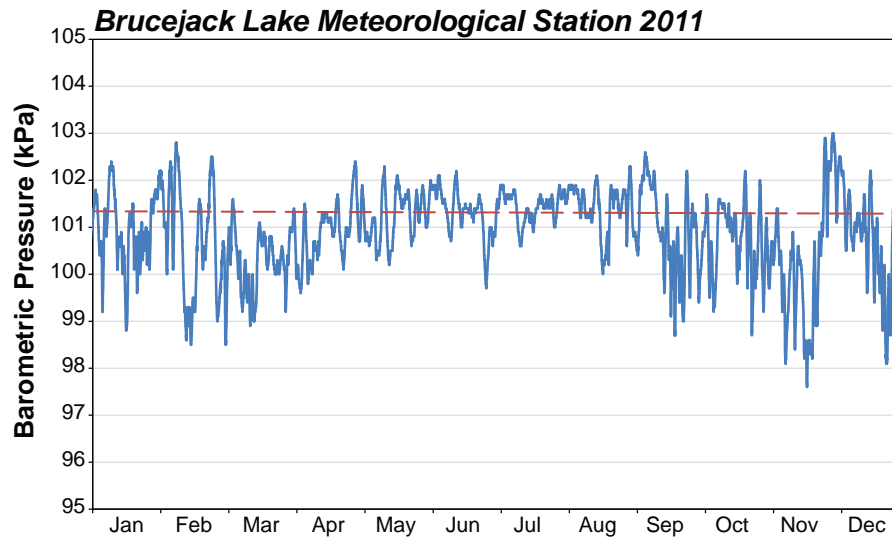
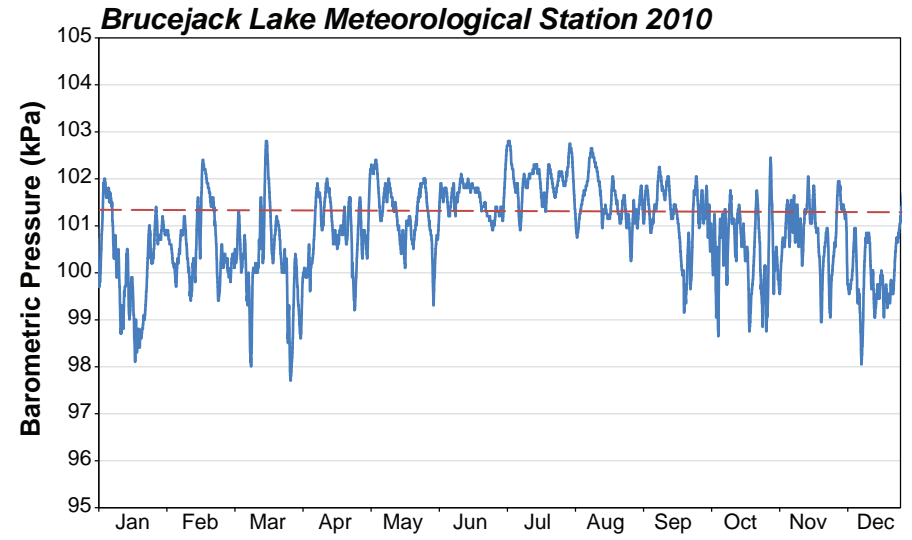
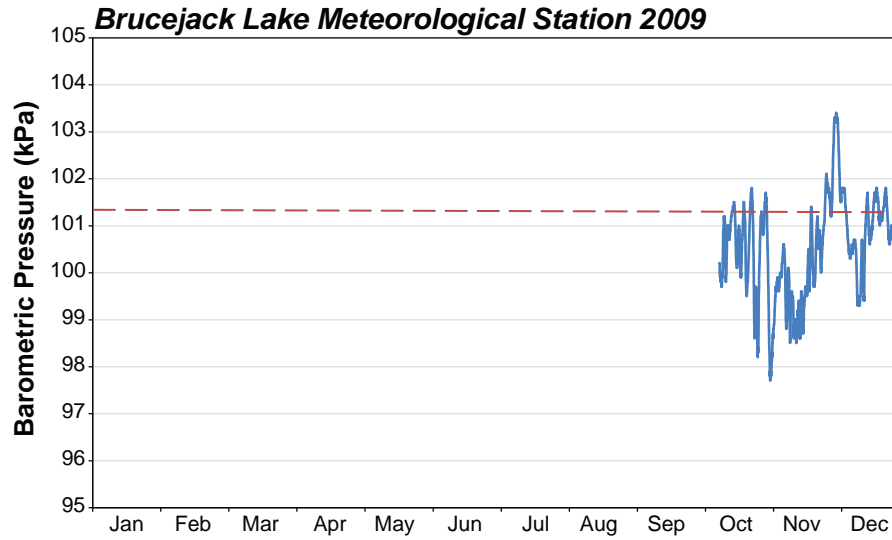
Snow depth and SWE were calculated for each snow course; the results are presented in Table 7.7-1. Snow depth recorded in April 2011 averaged 156 and 254 cm at the SC-01 and SC-02 snow survey locations, respectively. Snow depth was greater in April 2012 compared to April 2011, with snow depth averages of 246 and 288 cm at the SC-01 and SC-02 snow survey locations, respectively. The average SWE was 61 and 94 cm in April 2011, and 94 and 134 cm in April 2012, at the SC-01 and SC-02 survey locations, respectively. Like snow depth, SWE was greater in April of 2012 compared to April 2011.

**Table 7.7-1. Snow Course Survey Results, 2011 and 2012**

	SC-01 - Wildfire		SC-02 - Brucejack Lake	
	April 12, 2011	April 4, 2012	April 15, 2011	April 4, 2012
<b>Date</b>	April 12, 2011	April 4, 2012	April 15, 2011	April 4, 2012
<b>No. Samples in Transect</b>	10	10	9 <sup>a</sup>	10
<b>Range of Snow Depth (cm)</b>	109.2 - 193.0	177.8 - 275.6	236.2 - 290.8	205.7 - 348.0
<b>Mean Snow Depth (cm)</b>	155.7	246.0	253.9	288.0
<b>Range of SWE (cm)</b>	41.9 - 80.0	68.6 - 111.8	83.8 - 119.4	104.1 - 157.5
<b>Mean SWE (cm)</b>	61.0	97.3	94.3	134.1
<b>Range of Snow Density (%)</b>	33.6 - 43.5	36.9 - 41.6	32.2 - 41.0	42.1 - 51.8
<b>Mean Snow Density (%)</b>	39.1	39.5	37.1	46.8

Note:

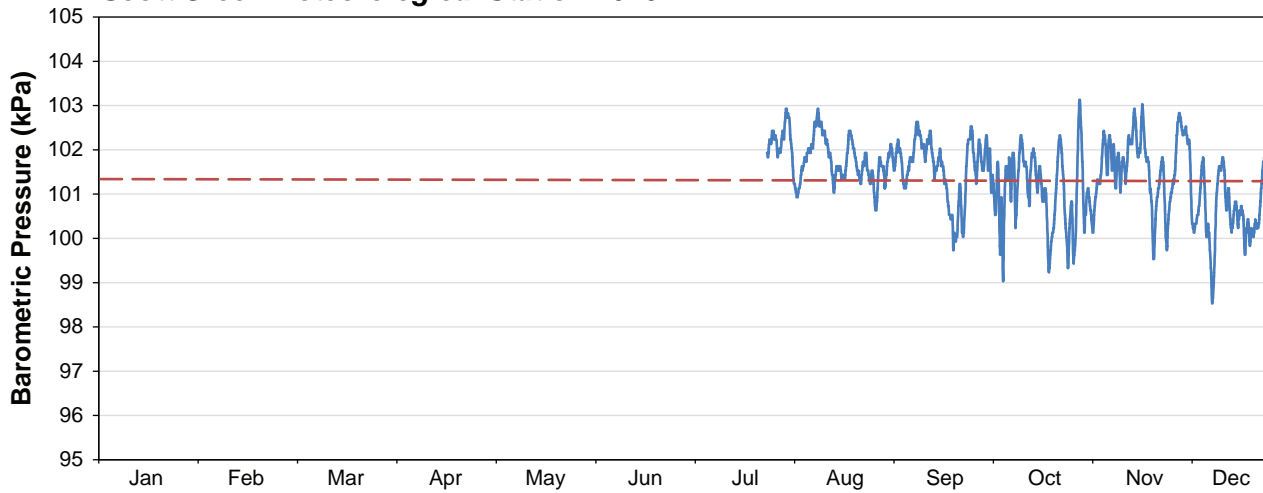
<sup>a</sup> One sample had a core recovery less than 80% and was removed from the dataset.



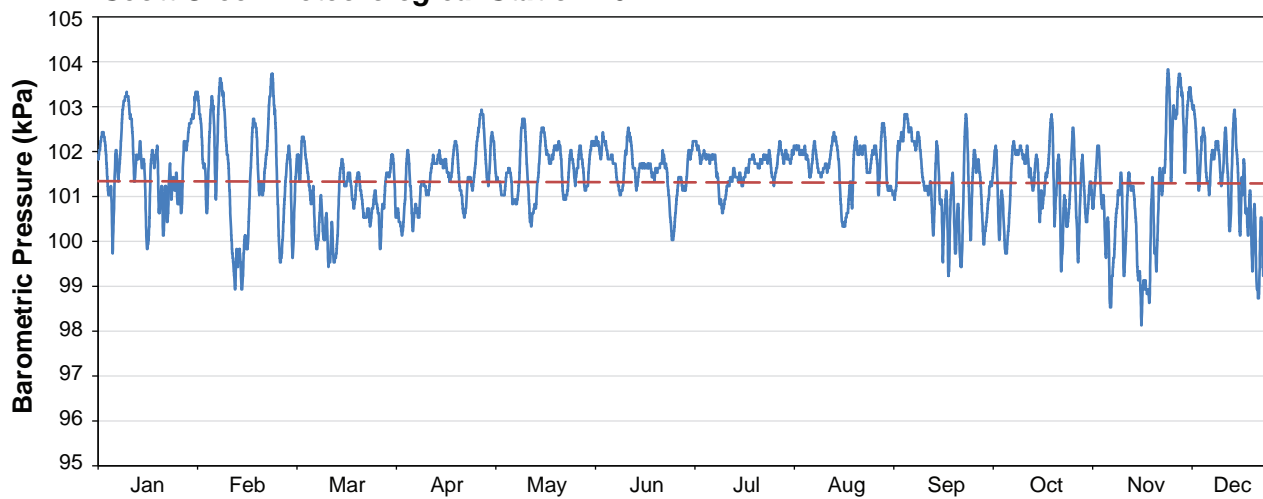
Note: Brucejack Lake station was installed on October 14, 2009.

— Barometric Pressure - Sea Level Adjusted (kPa)  
- - - Standard Sea Level Atmospheric Pressure 101.325 (kPa)

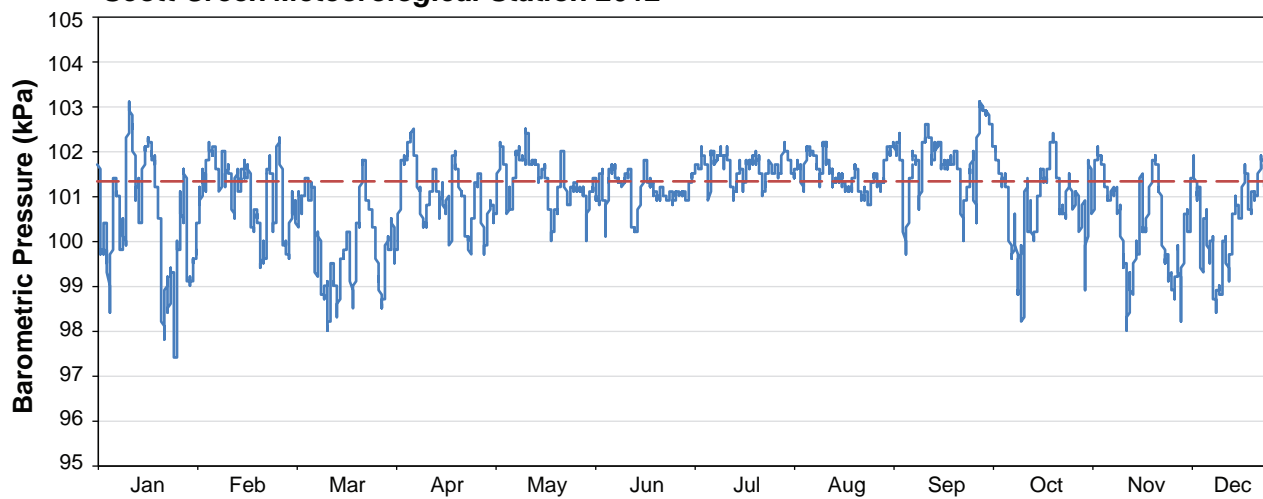
### Scott Creek Meteorological Station 2010



### Scott Creek Meteorological Station 2011



### Scott Creek Meteorological Station 2012



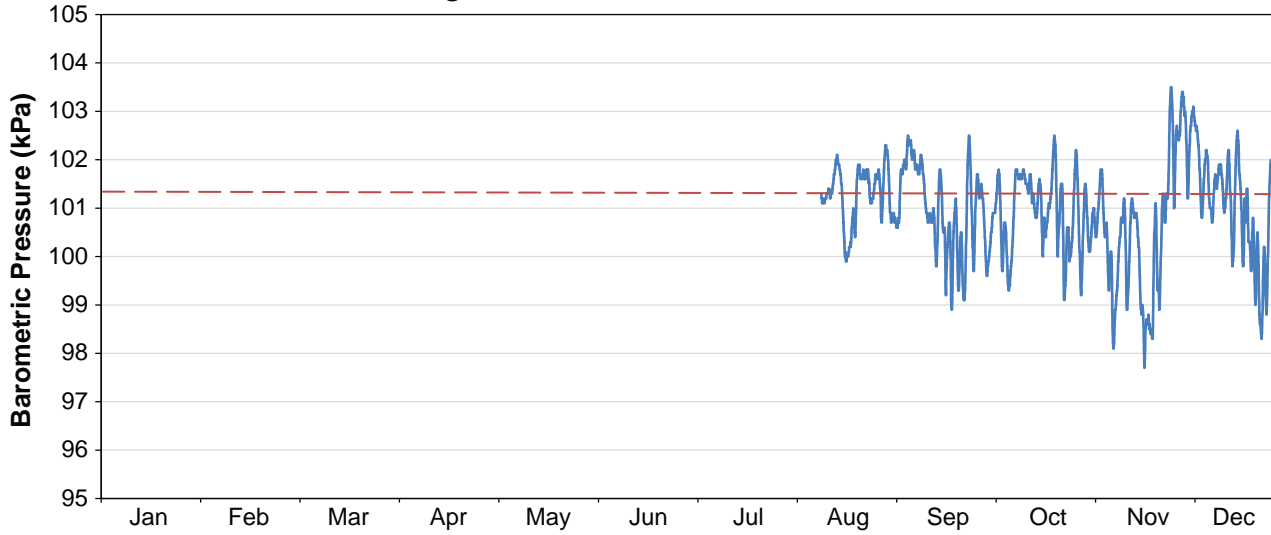
Note: Scott Creek Station was installed on July 29, 2010.

— Barometric Pressure - Sea Level Adjusted (kPa)  
- - - Standard Sea Level Atmospheric Pressure 101.325 (kPa)

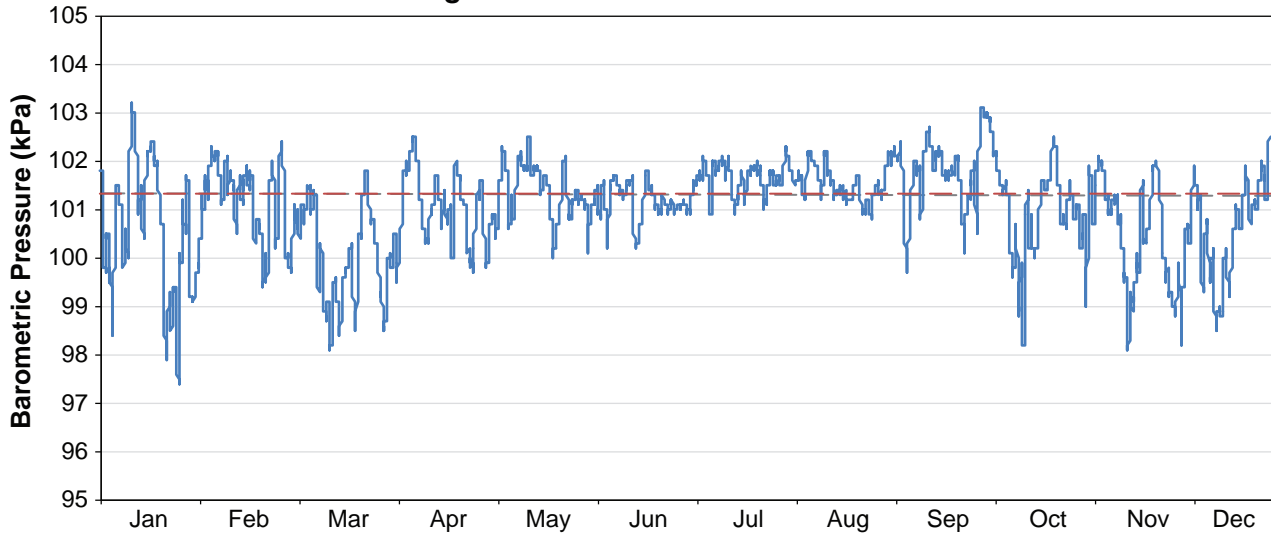
Figure 7.6-2



### Wildfire Creek Meteorological Station 2011



### Wildfire Creek Meteorological Station 2012



Note: Wildfire Creek Station was installed on August 13, 2011.

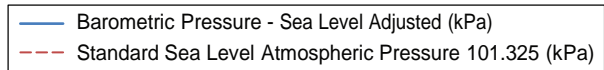


Figure 7.6-3

## 8. Summary

## 8. Summary

---

The 2009 to 2012 meteorology baseline field program was successful at achieving its objectives. Three stations are operating within the Project area; one near the high elevation deposit areas near Brucejack Lake and two at lower elevations near previously anticipated Project components.

The observed temperature range in the Brucejack Gold Mine Project area is typical of northwest British Columbia, and consists of a winter period (November to March) of mean monthly temperatures below freezing (-4 to -20°C) and a warmer summer period (June to September) with mean monthly temperatures between 5°C and 20°C. The spring (April and May) and autumn (late September to November) are cool at low elevations and colder at high elevations, as expected in the mountainous environments of BC, and provide a transition between the winter and summer temperatures. Temperatures recorded at the Project stations were comparable with regional meteorological stations. Overall, with the exception of spring 2011, temperatures in Northern BC in each season of 2010 to 2012 were higher than the average of the past 65 years.

A decreasing precipitation gradient exists from west to east within the region, and precipitation tends to be greater at higher elevations, which is to be expected. In the region the wettest periods are typically recorded during the fall. Based on a regional precipitation model, mean annual precipitation in the Project area is expected to range from 1,000 to 2,200 mm (Wang et al. 2006). Average annual adjusted precipitation between 2010 and 2012 was 1,589 mm at the Brucejack station. Average annual adjusted precipitation between 2011 and 2012 was 1,238 mm at the Scott Creek station. At Wildfire Creek station the 2012 annual adjusted precipitation was 827 mm. Precipitation values from all three Project stations were adjusted for undercatch due to wind, and missing or invalid precipitation data from Scott Creek and Brucejack Lake stations were filled using regression analysis. Data-filling using the regression analysis was not possible for data collected from the Wildfire Creek station due to low correlation with the other two Project stations. Precipitation measured at the Project stations were comparable with regional meteorological stations as well. Overall, Northern BC's annual precipitation in 2010, 2011 and 2012 was dryer than the average annual precipitation of the past 64 years. The most notable seasonal exception was the summer of 2011 which had the highest precipitation compared to the past 65 summers, in the Northern BC region.

Wind blew predominantly from the east to east-southeast at the Brucejack Lake station with wind speeds exceeding 6 m/s approximately 45% of the time. At the Scott Creek meteorological station, wind blew predominantly from the north and the southwest, with wind speeds exceeding 6 m/s less than 2% of the time. Wind at the Wildfire Creek station predominantly blew from the east-southeast, blowing from that direction 17% of the time. Calm winds (hourly average wind speed below 1 m/s) at the Wildfire station accounted for 29% of the records, and wind speeds exceeded 6 m/s less than 1% of the time. Winds at the Scott Creek station were also much calmer than Brucejack. Calms were experienced 23% of the time at Scott Creek and 4% of the time at Brucejack Lake.

Global solar radiation and net radiation are measured at the automated stations. Net radiation generally exhibited an energy deficit during the winter months (October through May) and an energy surplus throughout the summer (June through September).

Barometric pressure corrected to sea level ranged from 97 to 104 kPa at all site-specific meteorological stations during the study period.

## 2012 METEOROLOGY BASELINE REPORT

Snow depth generally peaks between February and March throughout the Project area, with peak depths between 0.5 and 2.3 m depending on the measurement location. Snow surveys conducted in April of 2011 and 2012 at two different locations measured snow water equivalents between 61 and 134 cm. Snow depth is highly dependent on location as exposed, wind-swept areas are subject to shallow snow depths. Snow depths measured at the Project stations were comparable with regional meteorological station snow depths as well.

## References

## References

---

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

- BCEAO (British Columbia Environmental Assessment Office). 2002. Environmental Assessment Act. SBC 2002. c. 43.
- BCMOE. 1981. Snow Survey Sampling Guide. British Columbia Ministry of Environment.
- BCMOE (British Columbia Ministry of Environment). 2008. Guidelines for Air Quality Dispersion Modelling in British Columbia. [http://www.bcairquality.ca/reports/pdfs/air\\_disp\\_model\\_08.pdf](http://www.bcairquality.ca/reports/pdfs/air_disp_model_08.pdf) (accessed February 2012).
- BCMOE (British Columbia Ministry of Environment). 2012. Water and Air Baseline Monitoring Guidance Document for Mine Proponents and Operations. [http://www.env.gov.bc.ca/epd/industrial/mining/pdf/water\\_air\\_baseline\\_monitoring.pdf](http://www.env.gov.bc.ca/epd/industrial/mining/pdf/water_air_baseline_monitoring.pdf) (accessed April 2013).
- Canadian Environmental Assessment Agency. 2012. Canadian Environmental Assessment Act c. 19, s. 52
- EC (Environment Canada). 2004. Meteorological Services of Canada (MSC) guidelines for co-operative climatological autostations, version 3.0. N.p.: Environment Canada, MSC, Surface Weather, Climate & Marine Division, Atmospheric Monitoring Water Survey Branch.
- EC (Environment Canada). 2010. Environment Canada - Weather and Meteorology - Weather Tools - FAQ. <https://www.ec.gc.ca/meteo-weather/default.asp?lang=En&n=108C6C74-1#wsA0744309> (accessed November 2012).
- EC (Environment Canada). 2013a. Environment Canada - Climate Change - Past Bulletins. <https://www.ec.gc.ca/adsc-cmda/default.asp?lang=En&n=4A21B114-1> (accessed March 2013).
- EC (Environment Canada). 2013b. Climate Data Online | Canada's National Climate Archive. [http://www.climate.weatheroffice.gc.ca/climateData/canada\\_e.html](http://www.climate.weatheroffice.gc.ca/climateData/canada_e.html) (accessed March 2013).
- MacDonald, J.P. and J.W. Pomeroy. 2007. Gauge Undercatch of Two Common Snowfall Gauges in a Prairie Environment. Paper presented at 64th Eastern Snow Conference, St. Johns, NL.
- MOE (British Columbia Ministry of Environment). 1981. Snow survey sampling guide. Surface Water Section, Water Management Branch, Ministry of Environment, Province of British Columbia.
- Quick, M. C. 1995. The UBC Watershed Model. In Computer Models of Watershed Hydrology. Ed. V. P. Singh. 233-80.
- Rasmussen, R., B. Baker, J. Kochendorfer, T. Meyers, S. Landolt, A. P. Fisher, J. Black, J.M. Theriault, P. Kucera, D. Gochis, C. Smith, R. Nitu, M. Hall, K. Ikeda, and E. Gutmann. 2012. How well are we measuring snow? The NOAA/FAA/NCAR Winter Precipitation Test Bed. Bulletin of the American Meteorological Society, 93 (6): 811-92.
- Stull, R. B. 1999. Meteorology for Scientists and Engineers. 2nd ed. Brooks Cole.
- Theriault, J. M., R. Rasmussen, K. Ikeda, and S. Landolt. 2012. Dependence of Snow Gauge Collection Efficiency on Snowflake Characteristics. Journal of Applied Meteorology and Climatology, 51: 745-62.

## 2012 METEOROLOGY BASELINE REPORT

Met Office. 2010. National Meteorological Library and Archive Fact sheet 6 - The Beaufort Scale. [http://www.metoffice.gov.uk/media/pdf/4/4/Fact\\_Sheet\\_No.\\_6\\_-\\_Beaufort\\_Scale.pdf](http://www.metoffice.gov.uk/media/pdf/4/4/Fact_Sheet_No._6_-_Beaufort_Scale.pdf) (accessed March 2013).

US EPA. 2000. Meteorological Monitoring Guidance for Regulatory Modeling Applications.

Wang, T., A. Hamann, D.L. Spittlehouse and S.N. Aitken. 2006. Development of scale-free climate data for western Canada for use in resource management. *Intl. J. Climatology*, 26(3):383-397

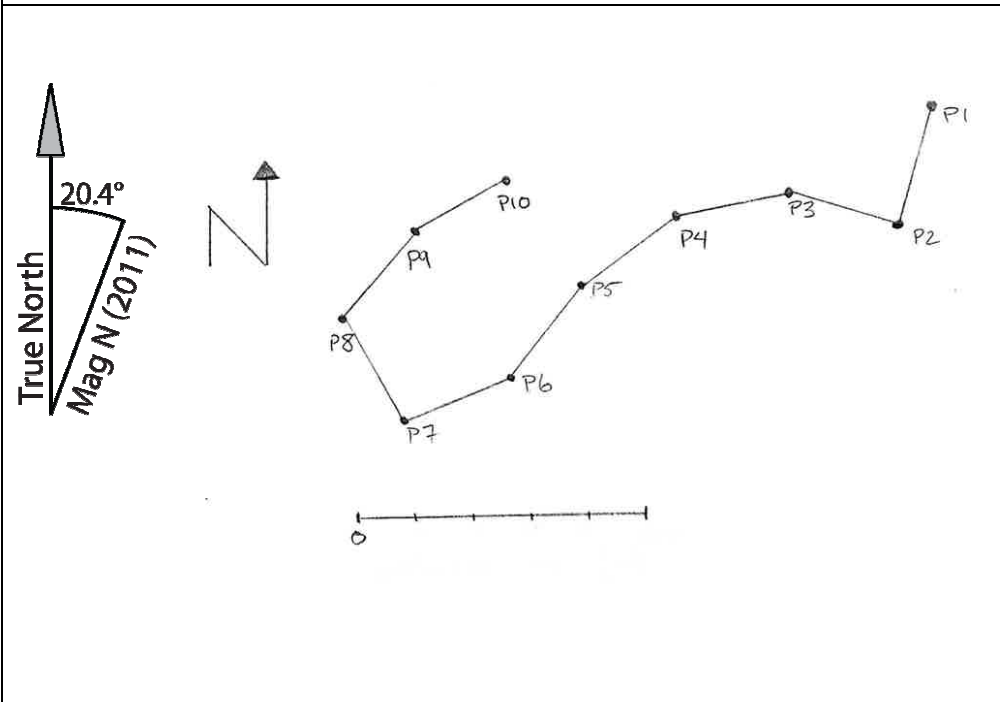
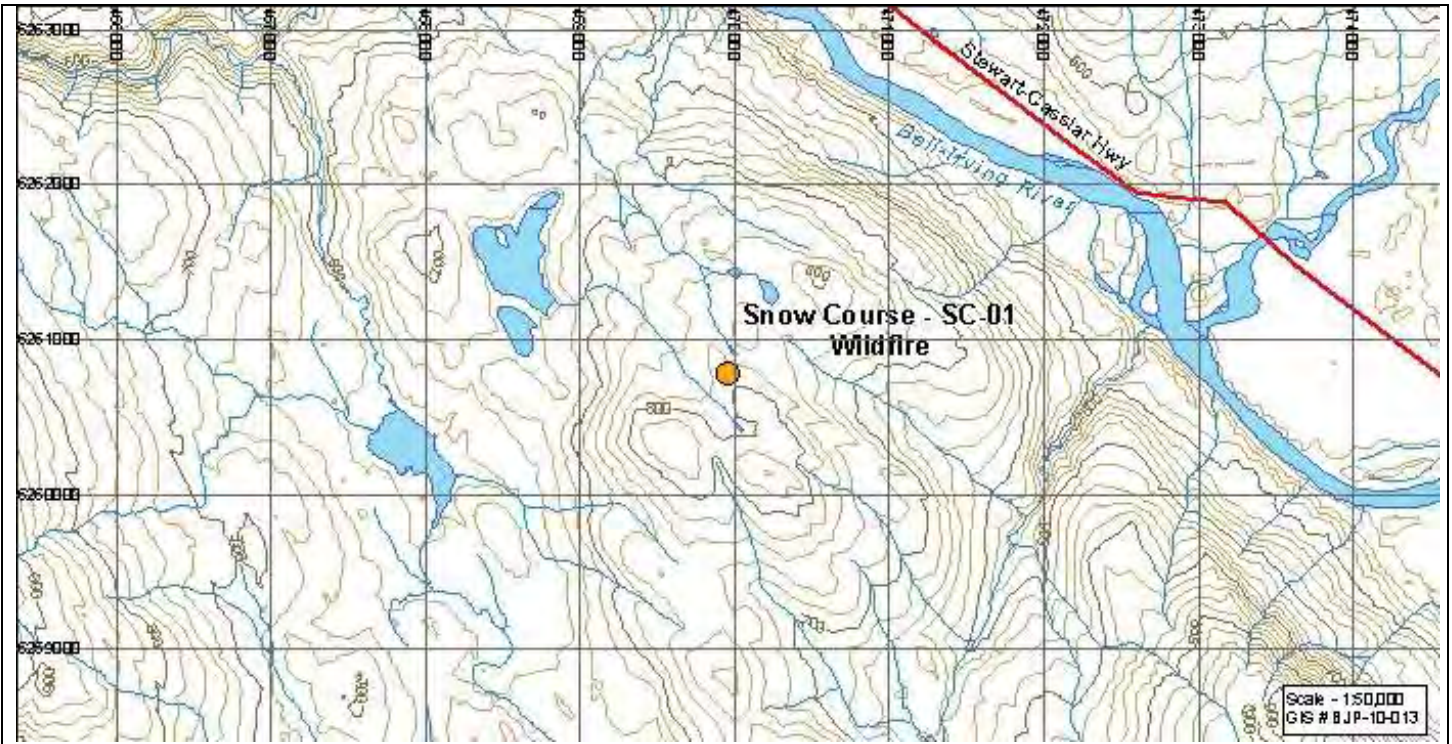
### Personal Communications

Smith, C. 2011. Research Climatologist, National Hydrology Research Centre, Saskatoon. Personal Communication: November 14, 2011

# Appendix 1

## Snow Course Water Management Sheets





STN	DIST m	BRG MAG	UTM (E / N)
1	22	198°	469976 6260782
2	20	288°	469974 6260775
3	20	260°	469957 6260774
4	20	234°	469939 6260771
5	20	218°	469921 6260761
6	20	250°	469907 6260749
7	21	330°	469891 6260737
8	20	42°	469881 6260756
9	18	62°	469891 6260772
10			469905 6260786

ELEV.	1583 m	LAT.	56°29'	LONG.	129°29.3'
MAP No.		MTN. RGE.			
DATE ESTD.	12 April '11	DATE ALTERED			
DRAINAGE	Bell-Irving River	BASIN			
REMARKS	UTM (NAD83, zone 9V) Easting 469976 Northing 6260782, all bearings magnetic.				

Snow Course No. 1

Brucejack Wildfire Site

British Columbia Ministry of Water, Land and Air Protection- Environmental Protection Division- Flood Hazard/River Forecast Centre  
 Snowfield Project Environmental Baseline Study for Pretium

**SNOW SURVEY FIELD DATA SHEET**

Snow Course No.	SC01	2011	April	12
Snow Course Name:	Brucejack Wildfire Site	Year	Month	Day
Observer's Name:	Erin Boyle / Darren Fargey			
Number of Tubes Used:	3	Driving Wrench Used: Yes:	X	Scale No.:
		No:		Rescan's 12.5 ft

Station Number	Snow Depth (cm)		Core Length (cm)	Weight of Tube and Core (cm)	Weight Tube Only Before Sampling (cm)	Snow-Water Equivalent (cm)	Density (%)
	With Dirt Plug	Without Dirt Plug					
1	149.9	149.9	147.3	152.4	95.3	57.2	38.1
2	109.2	109.2	100.3	137.2	95.3	41.9	38.4
3	172.7	170.2	156.2	152.4	95.3	57.2	33.6
4	193.0	193.0	186.7	175.3	95.3	80.0	41.4
5	156.2	154.9	152.4	147.3	95.3	52.1	33.6
6	123.2	123.2	116.8	144.8	95.3	49.5	40.2
7	177.8	177.8	167.6	167.6	95.3	72.4	40.7
8	142.2	142.2	125.7	152.4	95.3	57.2	40.2
9	166.4	166.4	162.6	167.6	95.3	72.4	43.5
10	170.2	170.2	163.8	165.1	95.3	69.9	41.0
<b>Total</b>		1557.0				609.6	390.8
<b>Average</b>		155.7				61.0	39.1

**Please complete in field or as soon after snow sampling as possible.**

Time sampling began \_\_\_\_\_ 10:20 \_\_\_\_\_ a.m. p.m. ended \_\_\_\_\_ 12:15 \_\_\_\_\_ a.m. p.m.

**A. Weather Conditions at Snow Course**

Freezing  Thawing  Temp \_\_\_\_\_ 0 \_\_\_\_\_ °C  
 Blowing  Calm   
 Skies: Clear  Partly Cloudy  Overcast   
 Precipitation: None  Raining  Snowing

**B. Surface Snow Conditions at Snow Course**

Fresh fallen snow depth \_\_\_\_\_ 0 \_\_\_\_\_ cm  
 Wet  Dry   
 Soft  Crusted   
 Support: None  Person on skies/snowshoes  Person on foot   
 Serious Drifting: No  Yes\*  Which Stations \_\_\_\_\_  
 Evidence of oversnow traffic: Yes\*  No

**C. Sampling Conditions**

Easy  Moderately Difficult  Very Difficult   
 Ground Reached on all Samples: Yes  No\*   
 Ice Layers: In snowpack  On ground   
 Ground under snow: Dry  Damp  Wet  Frozen

**D. General Condition en Route**

Snow line elevation \_\_\_\_\_ 300 \_\_\_\_\_ metres  
 Thaw: None  Sunny slopes  General   
 Small streams: Bridged with snow  Open  Clear  Muddy

\*Describe fully under remarks

**E. Remarks:**

\_\_\_\_\_ course is set along the edge of a cutblock and around a natural opening adjacent to the cutblock.  
 Site 7 had to be re-sampled three times to get the required density.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

British Columbia Ministry of Water, Land and Air Protection- Environmental Protection Division- Flood Hazard/River Forecast Centre  
 Project Environmental Baseline Study (Project no. \_\_\_\_\_)

**SNOW SURVEY FIELD DATA SHEET**

Snow Course No.	<input type="text" value="SC01"/>	2012	4	4	
Snow Course Name:	<input type="text" value="Brucejack Wildfire Site"/>		Year	Month	Day
Observer's Name:	<input type="text" value="Erin Boyle / Janice Bowman"/>				
Number of Tubes Used:	<input type="text" value="4"/>	Driving Wrench Used: Yes:	<input type="text" value="x"/>	Scale No.:	<input type="text" value="12.5"/>
		No:	<input type="text" value="0"/>		

Station Number	Snow Depth (cm)		Core Length (cm)	Weight of Tube and Core (cm)	Weight Tube Only Before Sampling (cm)	Snow-Water Equivalent (cm)	Density (%)
	With Dirt Plug	Without Dirt Plug					
1	213.4	213.4	203.2	92.0	59.0	83.8	39.3
2	177.8	177.8	170.2	86.0	59.0	68.6	38.6
3	233.7	232.4	226.1	96.0	59.0	94.0	40.4
4	274.3	274.3	248.9	103.0	59.0	111.8	40.7
5	264.2	261.6	226.1	97.0	59.0	96.5	36.9
6	276.9	275.6	238.8	100.0	59.0	104.1	37.8
7	261.6	261.6	237.5	100.0	59.0	104.1	39.8
8	248.9	247.7	235.0	99.0	59.0	101.6	41.0
9	266.7	265.4	237.5	100.0	59.0	104.1	39.2
10	251.5	250.2	238.8	100.0	59.0	104.1	41.6
<b>Total</b>		2460.0				972.8	
<b>Average</b>		246.0				97.3	

**Please complete in field or as soon after snow sampling as possible.**

Time sampling began \_\_\_\_\_ 1:00 \_\_\_\_\_ a.m. ended \_\_\_\_\_ 1:50 \_\_\_\_\_ a.m.  
 \_\_\_\_\_ p.m. \_\_\_\_\_ p.m.

**A. Weather Conditions at Snow Course**

Freezing  Thawing  Temp \_\_\_\_\_ 3 \_\_\_\_\_ °C  
 Blowing  Calm   
 Skies: Clear  Partly Cloudy  Overcast   
 Precipitation: None  Raining  Snowing

**B. Surface Snow Conditions at Snow Course**

Fresh fallen snow depth \_\_\_\_\_ 0 \_\_\_\_\_ cm  
 Wet  Dry   
 Soft  Crusted   
 Support: None  Person on skies/snowshoes  Person on foot   
 Serious Drifting: No  Yes\*  Which Stations \_\_\_\_\_  
 Evidence of oversnow traffic: Yes\*  No

**C. Sampling Conditions**

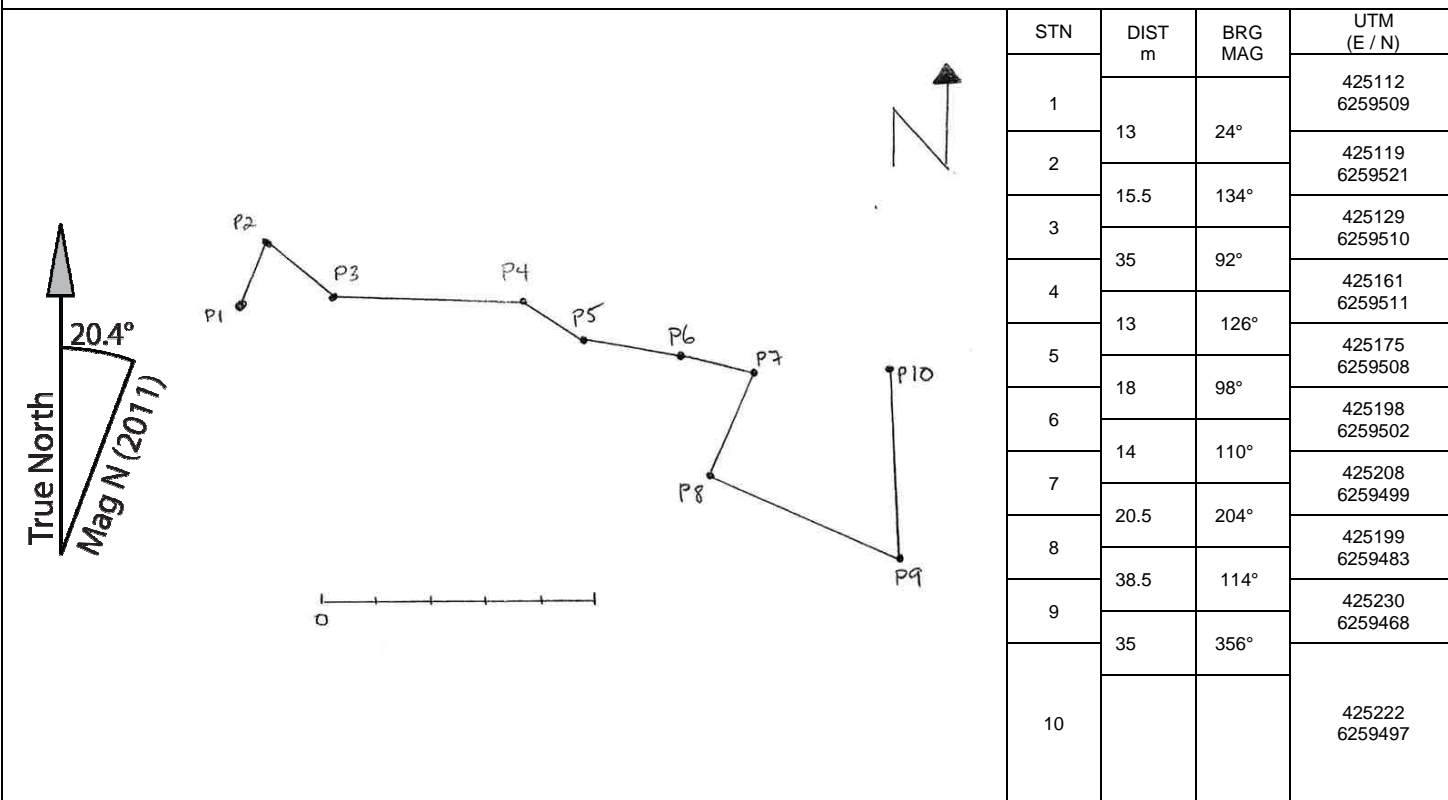
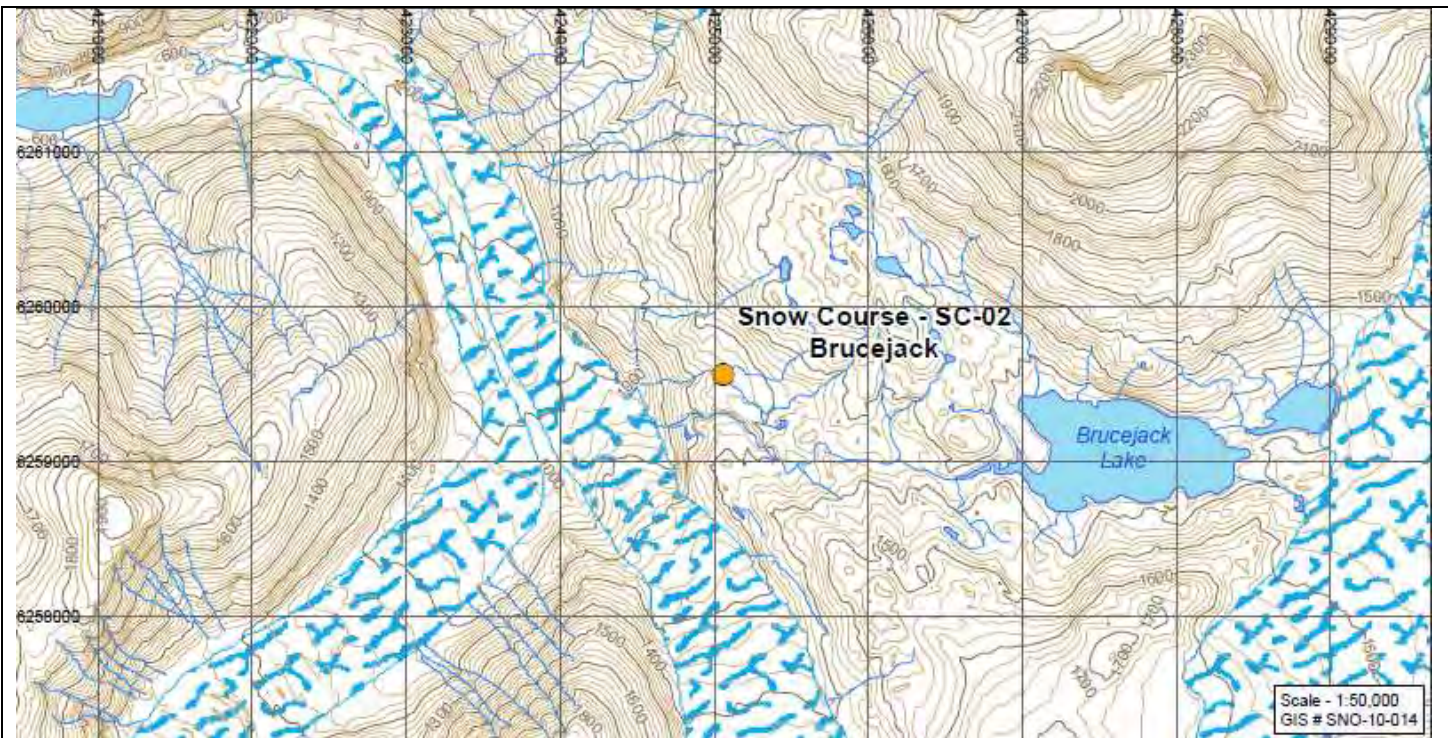
Easy  Moderately Difficult  Very Difficult   
 Ground Reached on all Samples: Yes  No\*   
 Ice Layers: In snowpack  On ground   
 Ground under snow: Dry  Damp  Wet  Frozen

**D. General Condition en Route**

Snow line elevation \_\_\_\_\_ 0 \_\_\_\_\_ metres  
 Thaw: None  Sunny slopes  General   
 Small streams: Bridged with snow  Open  Clear  Muddy

\*Describe fully under remarks

**E. Remarks:** Trace debris on sites 1, 2, 4, and 7  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



ELEV.	1788 m	LAT.	56°28'	LONG.	130°12.9'
MAP No.		MTN. RGE.			
DATE ESTD.	12 April '11	DATE ALTERED			
DRAINAGE	Brucejack	BASIN			
REMARKS	UTM (NAD83, zone 9V) Easting 425112 Northing 6259509, all bearings magnetic.				



Snow Course No. 2

Brucejack Mine Site

British Columbia Ministry of Water, Land and Air Protection- Environmental Protection Division- Flood Hazard/River Forecast Centre  
 Snowfield Project Environmental Baseline Study for Pretium

**SNOW SURVEY FIELD DATA SHEET**

Snow Course No.	SC-02	2011	April	15
Snow Course Name:	Brucejack Mine Site	Year	Month	Day
Observer's Name:	Erin Boyle / Ryan Boyle			
Number of Tubes Used:	4	Driving Wrench Used: Yes:	X	Scale No.:
		No:		Rescan's 20 ft

Station Number	Snow Depth (cm)		Core Length (cm)	Weight of Tube and Core (cm)	Weight Tube Only Before Sampling (cm)	Snow-Water Equivalent (cm)	Density (%)
	With Dirt Plug	Without Dirt Plug					
1	262.9	260.4	210.8	231.1	147.3	83.8	32.2
2	241.3	240.0	203.2	231.1	147.3	83.8	34.9
3	251.5	250.2	204.5	233.7	147.3	86.4	34.5
4	252.7	251.5	207.0	236.2	147.3	88.9	35.4
5	309.9	308.6	246.4	246.4	147.3	99.1	32.1
6	260.4	259.1	245.1	246.4	147.3	99.1	38.2
7	238.8	236.2	215.9	233.7	147.3	86.4	36.6
8	257.8	256.5	250.2	251.5	147.3	104.1	40.6
9	241.3	240.0	226.1	243.8	147.3	96.5	40.2
10	297.2	290.8	284.5	266.7	147.3	119.4	41.0
<b>Total</b>		2284.7				848.4	333.6
<b>Average</b>		253.9				94.3	37.1

**Please complete in field or as soon after snow sampling as possible.**

Time sampling began 10:00 <sup>a.m.</sup> / <sub>p.m.</sub> ended 14:05 <sup>a.m.</sup> / <sub>p.m.</sub>

**A. Weather Conditions at Snow Course**

Freezing  Thawing  Temp -3 °C  
 Blowing  Calm   
 Skies: Clear  Partly Cloudy  Overcast   
 Precipitation: None  Raining  Snowing

**B. Surface Snow Conditions at Snow Course**

Fresh fallen snow depth 3 cm  
 Wet  Dry   
 Soft  Crusted   
 Support: None  Person on skies/snowshoes  Person on foot   
 Serious Drifting: No  Yes\*  Which Stations \_\_\_\_\_  
 Evidence of oversnow traffic: Yes\*  No

**C. Sampling Conditions**

Easy  Moderately Difficult  Very Difficult   
 Ground Reached on all Samples: Yes  No\*   
 Ice Layers: In snowpack  On ground   
 Ground under snow: Dry  Damp  Wet  Frozen

**D. General Condition en Route**

Snow line elevation 300 metres  
 Thaw: None  Sunny slopes  General   
 Small streams: Bridged with snow  Open  Clear  Muddy

\*Describe fully under remarks

**E. Remarks:**

Course is set around multiple clumps of small trees  
 Many stations required multiple samples to get adequate core recovery.  
 Snowpack was variable through out the sample locations with at least two distinct stiff layers (possible wind slab or old crusts avg down 1.5 and 2.2m). A layer of faceted snow in the upper 1 m combined with the 2 stiff wind slab layers made for difficult sampling and variable core recovery.



**SNOW SURVEY FIELD DATA SHEET**

Snow Course No.	SC-02	2012	4	4
Snow Course Name:	Brucejack Mine Site	Year	Month	Day
Observer's Name:	Erin Boyle / Janice Bowman			
Number of Tubes Used:	5	Driving Wrench Used: Yes:	x	Scale No.:
		No:	0	20

Station Number	Snow Depth (cm)		Core Length (cm)	Weight of Tube and Core (cm)	Weight Tube Only Before Sampling (cm)	Snow-Water Equivalent (cm)	Density (%)
	With Dirt Plug	Without Dirt Plug					
1	350.5	348.0	345.4	137.0	75.0	157.5	45.3
2	342.9	340.4	334.0	133.0	75.0	147.3	43.3
3	299.7	295.9	276.9	124.0	75.0	124.5	42.1
4	327.7	327.7	307.3	135.0	75.0	152.4	46.5
5	302.3	301.0	293.4	133.0	75.0	147.3	48.9
6	205.7	205.7	190.5	116.0	75.0	104.1	50.6
7	226.1	226.1	215.9	119.0	75.0	111.8	49.4
8	292.1	290.8	284.5	126.0	75.0	129.5	44.5
9	289.6	284.5	289.6	133.0	75.0	147.3	51.8
10	261.6	260.4	213.4	122.0	75.0	119.4	45.9
<b>Total</b>		2880.4				1341.1	
<b>Average</b>		288.0				134.1	

**Please complete in field or as soon after snow sampling as possible.**

Time sampling began 9:00 a.m. ended 12:10 p.m.

**A. Weather Conditions at Snow Course**

Freezing  Thawing  Temp -3 °C  
 Blowing  Calm   
 Skies: Clear  Partly Cloudy  Overcast   
 Precipitation: None  Raining  Snowing

**B. Surface Snow Conditions at Snow Course**

Fresh fallen snow depth 0 cm  
 Wet  Dry   
 Soft  Crusted   
 Support: None  Person on skies/snowshoes  Person on foot   
 Serious Drifting: No  Yes\*  Which Stations all stations, particularly 6 and 7  
 Evidence of oversnow traffic: Yes\*  No

**C. Sampling Conditions**

Easy  Moderately Difficult  Very Difficult   
 Ground Reached on all Samples: Yes  No\*   
 Ice Layers: In snowpack  On ground   
 Ground under snow: Dry  Damp  Wet  Frozen

**D. General Condition en Route**

Snow line elevation 0 metres  
 Thaw: None  Sunny slopes  General   
 Small streams: Bridged with snow  Open  Clear  Muddy

\*Describe fully under remarks

**E. Remarks:** Extremely difficult sampling with very dense layer in midpack and ground.  
Dirt plugs or trace debris was obtained at each site to ensure ground was  
reached. Abundant wind effect throughout course, specifically sites 6 and 7.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## Appendix 2

Mean Daily Air Temperature (°C)

Appendix 2. Mean Daily Air Temperature (°C)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Oct-09	M	M	M
2-Oct-09	M	M	M
3-Oct-09	M	M	M
4-Oct-09	M	M	M
5-Oct-09	M	M	M
6-Oct-09	M	M	M
7-Oct-09	M	M	M
8-Oct-09	M	M	M
9-Oct-09	M	M	M
10-Oct-09	M	M	M
11-Oct-09	M	M	M
12-Oct-09	M	M	M
13-Oct-09	-6.3	M	M
14-Oct-09	-4.1	M	M
15-Oct-09	-2.2	M	M
16-Oct-09	0.9	M	M
17-Oct-09	-0.1	M	M
18-Oct-09	0.1	M	M
19-Oct-09	-0.1	M	M
20-Oct-09	-0.7	M	M
21-Oct-09	-0.4	M	M
22-Oct-09	0.3	M	M
23-Oct-09	-0.6	M	M
24-Oct-09	-1.8	M	M
25-Oct-09	-1.2	M	M
26-Oct-09	-2.5	M	M
27-Oct-09	-3.6	M	M
28-Oct-09	-5.4	M	M
29-Oct-09	-3.3	M	M
30-Oct-09	-1.3	M	M
31-Oct-09	-3.5	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Nov-09	-4.0	M	M
2-Nov-09	-3.4	M	M
3-Nov-09	-3.7	M	M
4-Nov-09	-3.3	M	M
5-Nov-09	-1.4	M	M
6-Nov-09	-2.8	M	M
7-Nov-09	-3.5	M	M
8-Nov-09	-4.3	M	M
9-Nov-09	-4.3	M	M
10-Nov-09	-4.7	M	M
11-Nov-09	-4.4	M	M
12-Nov-09	-4.6	M	M
13-Nov-09	-8.8	M	M
14-Nov-09	-5.4	M	M
15-Nov-09	-7.4	M	M
16-Nov-09	-8.0	M	M
17-Nov-09	-7.9	M	M
18-Nov-09	-8.4	M	M
19-Nov-09	-7.0	M	M
20-Nov-09	-6.4	M	M
21-Nov-09	-6.5	M	M
22-Nov-09	-8.1	M	M
23-Nov-09	-6.7	M	M
24-Nov-09	-5.5	M	M
25-Nov-09	-3.0	M	M
26-Nov-09	-4.2	M	M
27-Nov-09	-6.9	M	M
28-Nov-09	-6.1	M	M
29-Nov-09	-5.3	M	M
30-Nov-09	-7.6	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Dec-09	-9.9	M	M
2-Dec-09	-5.3	M	M
3-Dec-09	-6.1	M	M
4-Dec-09	-9.6	M	M
5-Dec-09	-7.8	M	M
6-Dec-09	-10.3	M	M
7-Dec-09	-3.2	M	M
8-Dec-09	-7.3	M	M
9-Dec-09	-5.3	M	M
10-Dec-09	-9.4	M	M
11-Dec-09	-10.6	M	M
12-Dec-09	-11.7	M	M
13-Dec-09	-17.4	M	M
14-Dec-09	-22.9	M	M
15-Dec-09	-21.8	M	M
16-Dec-09	-11.8	M	M
17-Dec-09	-6.7	M	M
18-Dec-09	-5.6	M	M
19-Dec-09	-10.9	M	M
20-Dec-09	-10.3	M	M
21-Dec-09	-13.1	M	M
22-Dec-09	-14.0	M	M
23-Dec-09	-14.8	M	M
24-Dec-09	-9.2	M	M
25-Dec-09	-3.9	M	M
26-Dec-09	-2.6	M	M
27-Dec-09	-3.7	M	M
28-Dec-09	-5.7	M	M
29-Dec-09	-6.0	M	M
30-Dec-09	-12.4	M	M
31-Dec-09	-16.6	M	M

Appendix 2. Mean Daily Air Temperature (°C)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jan-10	-16.5	M	M
2-Jan-10	-15.9	M	M
3-Jan-10	-10.4	M	M
4-Jan-10	-10.5	M	M
5-Jan-10	-8.9	M	M
6-Jan-10	-10.1	M	M
7-Jan-10	-8.9	M	M
8-Jan-10	-4.8	M	M
9-Jan-10	-3.2	M	M
10-Jan-10	-1.8	M	M
11-Jan-10	-0.4	M	M
12-Jan-10	-1.0	M	M
13-Jan-10	-1.8	M	M
14-Jan-10	-4.1	M	M
15-Jan-10	-3.7	M	M
16-Jan-10	-4.4	M	M
17-Jan-10	-4.9	M	M
18-Jan-10	-4.4	M	M
19-Jan-10	-2.8	M	M
20-Jan-10	-1.5	M	M
21-Jan-10	-1.8	M	M
22-Jan-10	-1.6	M	M
23-Jan-10	-4.2	M	M
24-Jan-10	-8.1	M	M
25-Jan-10	-8.5	M	M
26-Jan-10	-8.9	M	M
27-Jan-10	-8.8	M	M
28-Jan-10	-6.5	M	M
29-Jan-10	-3.0	M	M
30-Jan-10	-2.4	M	M
31-Jan-10	-3.3	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Feb-10	-6.0	M	M
2-Feb-10	-8.0	M	M
3-Feb-10	-10.0	M	M
4-Feb-10	-9.8	M	M
5-Feb-10	-4.5	M	M
6-Feb-10	-2.8	M	M
7-Feb-10	-2.5	M	M
8-Feb-10	-3.9	M	M
9-Feb-10	-9.3	M	M
10-Feb-10	-8.1	M	M
11-Feb-10	-5.3	M	M
12-Feb-10	-3.6	M	M
13-Feb-10	-2.7	M	M
14-Feb-10	-2.8	M	M
15-Feb-10	-4.2	M	M
16-Feb-10	-3.3	M	M
17-Feb-10	-5.5	M	M
18-Feb-10	0.1	M	M
19-Feb-10	5.0	M	M
20-Feb-10	3.3	M	M
21-Feb-10	0.6	M	M
22-Feb-10	-3.0	M	M
23-Feb-10	-3.1	M	M
24-Feb-10	-3.3	M	M
25-Feb-10	-3.6	M	M
26-Feb-10	-3.9	M	M
27-Feb-10	-4.9	M	M
28-Feb-10	-3.9	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Mar-10	-1.8	M	M
2-Mar-10	-1.8	M	M
3-Mar-10	-3.7	M	M
4-Mar-10	-4.9	M	M
5-Mar-10	-5.8	M	M
6-Mar-10	-4.0	M	M
7-Mar-10	-9.2	M	M
8-Mar-10	-9.9	M	M
9-Mar-10	-7.7	M	M
10-Mar-10	-10.1	M	M
11-Mar-10	-6.3	M	M
12-Mar-10	-9.5	M	M
13-Mar-10	-7.6	M	M
14-Mar-10	-3.6	M	M
15-Mar-10	-4.0	M	M
16-Mar-10	-4.7	M	M
17-Mar-10	-3.6	M	M
18-Mar-10	-6.7	M	M
19-Mar-10	-5.3	M	M
20-Mar-10	-5.5	M	M
21-Mar-10	-4.4	M	M
22-Mar-10	-2.5	M	M
23-Mar-10	-1.7	M	M
24-Mar-10	-1.0	M	M
25-Mar-10	-1.7	M	M
26-Mar-10	-2.6	M	M
27-Mar-10	-1.6	M	M
28-Mar-10	-2.4	M	M
29-Mar-10	-3.4	M	M
30-Mar-10	-4.4	M	M
31-Mar-10	-6.4	M	M

Appendix 2. Mean Daily Air Temperature (°C)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Apr-10	-7.0	M	M
2-Apr-10	-4.2	M	M
3-Apr-10	-4.1	M	M
4-Apr-10	-7.2	M	M
5-Apr-10	-3.9	M	M
6-Apr-10	-3.6	M	M
7-Apr-10	-6.3	M	M
8-Apr-10	-9.3	M	M
9-Apr-10	-9.9	M	M
10-Apr-10	-6.8	M	M
11-Apr-10	-4.4	M	M
12-Apr-10	-5.1	M	M
13-Apr-10	-3.8	M	M
14-Apr-10	1.7	M	M
15-Apr-10	4.6	M	M
16-Apr-10	2.8	M	M
17-Apr-10	1.6	M	M
18-Apr-10	0.2	M	M
19-Apr-10	4.3	M	M
20-Apr-10	2.2	M	M
21-Apr-10	-2.7	M	M
22-Apr-10	-3.2	M	M
23-Apr-10	-3.6	M	M
24-Apr-10	-1.2	M	M
25-Apr-10	0.0	M	M
26-Apr-10	2.2	M	M
27-Apr-10	1.6	M	M
28-Apr-10	0.2	M	M
29-Apr-10	0.3	M	M
30-Apr-10	-2.3	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-May-10	-1.2	M	M
2-May-10	-3.3	M	M
3-May-10	-3.5	M	M
4-May-10	-1.3	M	M
5-May-10	-1.0	M	M
6-May-10	-1.0	M	M
7-May-10	-0.3	M	M
8-May-10	-0.3	M	M
9-May-10	0.4	M	M
10-May-10	1.1	M	M
11-May-10	0.7	M	M
12-May-10	0.3	M	M
13-May-10	0.0	M	M
14-May-10	1.6	M	M
15-May-10	1.4	M	M
16-May-10	0.9	M	M
17-May-10	4.0	M	M
18-May-10	5.2	M	M
19-May-10	3.1	M	M
20-May-10	4.7	M	M
21-May-10	-0.9	M	M
22-May-10	5.1	M	M
23-May-10	3.2	M	M
24-May-10	2.6	M	M
25-May-10	5.1	M	M
26-May-10	7.5	M	M
27-May-10	9.0	M	M
28-May-10	8.8	M	M
29-May-10	8.1	M	M
30-May-10	7.2	M	M
31-May-10	8.5	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jun-10	4.9	M	M
2-Jun-10	5.0	M	M
3-Jun-10	1.4	M	M
4-Jun-10	2.9	M	M
5-Jun-10	2.9	M	M
6-Jun-10	4.0	M	M
7-Jun-10	6.4	M	M
8-Jun-10	4.3	M	M
9-Jun-10	6.8	M	M
10-Jun-10	8.2	M	M
11-Jun-10	3.3	M	M
12-Jun-10	1.5	M	M
13-Jun-10	0.3	M	M
14-Jun-10	1.5	M	M
15-Jun-10	1.9	M	M
16-Jun-10	2.4	M	M
17-Jun-10	4.6	M	M
18-Jun-10	5.5	M	M
19-Jun-10	6.5	M	M
20-Jun-10	7.6	M	M
21-Jun-10	6.3	M	M
22-Jun-10	5.1	M	M
23-Jun-10	6.5	M	M
24-Jun-10	6.1	M	M
25-Jun-10	4.7	M	M
26-Jun-10	3.5	M	M
27-Jun-10	3.5	M	M
28-Jun-10	3.2	M	M
29-Jun-10	0.8	M	M
30-Jun-10	0.6	M	M

Appendix 2. Mean Daily Air Temperature (°C)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jul-10	1.4	M	M
2-Jul-10	2.5	M	M
3-Jul-10	2.7	M	M
4-Jul-10	3.1	M	M
5-Jul-10	3.4	M	M
6-Jul-10	8.6	M	M
7-Jul-10	13.2	M	M
8-Jul-10	13.1	M	M
9-Jul-10	10.3	M	M
10-Jul-10	8.5	M	M
11-Jul-10	5.3	M	M
12-Jul-10	3.4	M	M
13-Jul-10	5.8	M	M
14-Jul-10	4.4	M	M
15-Jul-10	3.3	M	M
16-Jul-10	4.1	M	M
17-Jul-10	4.2	M	M
18-Jul-10	9.6	M	M
19-Jul-10	10.7	M	M
20-Jul-10	10.2	M	M
21-Jul-10	7.6	M	M
22-Jul-10	5.6	M	M
23-Jul-10	4.3	M	M
24-Jul-10	3.3	M	M
25-Jul-10	5.0	M	M
26-Jul-10	10.5	M	M
27-Jul-10	13.9	M	M
28-Jul-10	12.4	M	M
29-Jul-10	9.3	15.8	M
30-Jul-10	8.9	14.6	M
31-Jul-10	11.3	17.2	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Aug-10	11.2	17.9	M
2-Aug-10	11.9	18.2	M
3-Aug-10	14.3	19.9	M
4-Aug-10	15.6	21.3	M
5-Aug-10	14.3	21.1	M
6-Aug-10	9.7	14.0	M
7-Aug-10	6.7	12.4	M
8-Aug-10	5.3	11.1	M
9-Aug-10	6.3	12.4	M
10-Aug-10	7.4	13.4	M
11-Aug-10	8.4	15.3	M
12-Aug-10	9.7	16.6	M
13-Aug-10	14.2	19.4	M
14-Aug-10	16.1	21.1	M
15-Aug-10	16.4	21.9	M
16-Aug-10	15.2	20.1	M
17-Aug-10	13.2	19.3	M
18-Aug-10	6.5	13.4	M
19-Aug-10	3.2	8.9	M
20-Aug-10	3.6	9.1	M
21-Aug-10	4.7	10.7	M
22-Aug-10	4.5	10.8	M
23-Aug-10	3.2	7.4	M
24-Aug-10	5.3	8.3	M
25-Aug-10	5.0	9.3	M
26-Aug-10	4.3	9.8	M
27-Aug-10	4.5	10.3	M
28-Aug-10	4.5	10.8	M
29-Aug-10	5.3	9.9	M
30-Aug-10	5.0	8.1	M
31-Aug-10	4.7	8.1	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Sep-10	4.7	8.1	M
2-Sep-10	5.6	8.0	M
3-Sep-10	4.5	8.9	M
4-Sep-10	3.1	8.7	M
5-Sep-10	2.5	6.2	M
6-Sep-10	3.7	7.3	M
7-Sep-10	7.9	10.6	M
8-Sep-10	7.5	10.5	M
9-Sep-10	4.4	8.8	M
10-Sep-10	2.9	6.7	M
11-Sep-10	3.9	7.3	M
12-Sep-10	6.4	9.4	M
13-Sep-10	6.1	8.6	M
14-Sep-10	6.2	8.8	M
15-Sep-10	7.6	10.3	M
16-Sep-10	7.9	12.0	M
17-Sep-10	7.7	10.9	M
18-Sep-10	7.7	9.8	M
19-Sep-10	3.7	6.9	M
20-Sep-10	3.3	6.4	M
21-Sep-10	3.8	6.0	M
22-Sep-10	2.3	5.8	M
23-Sep-10	2.1	5.4	M
24-Sep-10	2.0	5.5	M
25-Sep-10	3.2	6.5	M
26-Sep-10	3.1	6.7	M
27-Sep-10	2.5	6.7	M
28-Sep-10	3.2	7.0	M
29-Sep-10	2.7	6.0	M
30-Sep-10	3.9	7.6	M

Appendix 2. Mean Daily Air Temperature (°C)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Oct-10	6.8	7.7	M
2-Oct-10	0.7	5.7	M
3-Oct-10	1.5	4.1	M
4-Oct-10	-0.1	4.5	M
5-Oct-10	1.5	2.4	M
6-Oct-10	2.1	3.3	M
7-Oct-10	1.9	4.6	M
8-Oct-10	0.9	4.8	M
9-Oct-10	2.4	5.8	M
10-Oct-10	0.4	3.3	M
11-Oct-10	-1.0	2.0	M
12-Oct-10	-0.8	2.6	M
13-Oct-10	-0.9	2.4	M
14-Oct-10	-1.2	2.0	M
15-Oct-10	-2.3	1.3	M
16-Oct-10	-0.8	1.0	M
17-Oct-10	0.4	2.7	M
18-Oct-10	0.2	3.3	M
19-Oct-10	-1.9	1.7	M
20-Oct-10	-2.0	0.3	M
21-Oct-10	-3.5	-0.1	M
22-Oct-10	-1.8	0.0	M
23-Oct-10	-0.1	2.0	M
24-Oct-10	0.7	4.1	M
25-Oct-10	0.1	4.2	M
26-Oct-10	-0.9	2.0	M
27-Oct-10	-3.2	1.7	M
28-Oct-10	-4.3	-0.4	M
29-Oct-10	-1.5	0.0	M
30-Oct-10	-2.8	0.7	M
31-Oct-10	-5.4	-1.3	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Nov-10	-1.5	0.5	M
2-Nov-10	-1.1	0.4	M
3-Nov-10	-0.3	1.7	M
4-Nov-10	0.2	3.1	M
5-Nov-10	-4.5	-0.9	M
6-Nov-10	-4.3	-1.0	M
7-Nov-10	-3.3	-0.5	M
8-Nov-10	-5.1	-1.2	M
9-Nov-10	-6.9	-3.1	M
10-Nov-10	-8.4	-6.5	M
11-Nov-10	-6.6	-4.3	M
12-Nov-10	-2.0	-1.0	M
13-Nov-10	-0.4	0.0	M
14-Nov-10	0.0	1.8	M
15-Nov-10	-4.7	-0.6	M
16-Nov-10	-9.2	-5.2	M
17-Nov-10	-12.9	-9.1	M
18-Nov-10	-14.1	-12.7	M
19-Nov-10	-12.7	-10.2	M
20-Nov-10	-13.4	-12.5	M
21-Nov-10	-12.1	-11.0	M
22-Nov-10	-17.1	-14.6	M
23-Nov-10	-12.1	-14.9	M
24-Nov-10	-5.6	-11.5	M
25-Nov-10	-4.5	-7.8	M
26-Nov-10	-4.9	-3.4	M
27-Nov-10	-6.6	-4.4	M
28-Nov-10	-9.2	-7.2	M
29-Nov-10	-7.5	-4.3	M
30-Nov-10	-6.1	-2.8	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Dec-10	-6.8	-3.1	M
2-Dec-10	-8.0	-5.2	M
3-Dec-10	-10.2	-7.4	M
4-Dec-10	-9.6	-7.6	M
5-Dec-10	-12.9	-8.4	M
6-Dec-10	-7.8	-10.4	M
7-Dec-10	-4.7	-8.4	M
8-Dec-10	-4.6	-4.8	M
9-Dec-10	-5.0	-7.0	M
10-Dec-10	-5.4	-7.7	M
11-Dec-10	-5.9	-5.4	M
12-Dec-10	-6.7	-5.0	M
13-Dec-10	-6.3	-3.9	M
14-Dec-10	-5.3	-4.2	M
15-Dec-10	-6.9	-4.6	M
16-Dec-10	-8.8	-10.9	M
17-Dec-10	-12.1	-11.9	M
18-Dec-10	-9.8	-11.2	M
19-Dec-10	-14.4	-12.3	M
20-Dec-10	-16.5	-18.4	M
21-Dec-10	-14.9	-17.8	M
22-Dec-10	-7.3	-10.3	M
23-Dec-10	-4.4	-4.0	M
24-Dec-10	-5.1	-4.3	M
25-Dec-10	-6.1	-4.3	M
26-Dec-10	-6.1	-4.8	M
27-Dec-10	-7.2	-5.1	M
28-Dec-10	-11.9	-7.5	M
29-Dec-10	-15.3	-11.6	M
30-Dec-10	-12.2	-15.4	M
31-Dec-10	-8.1	-12.2	M



Appendix 2. Mean Daily Air Temperature (°C)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jan-11	-5.8	-9.3	M
2-Jan-11	-4.3	-6.4	M
3-Jan-11	-4.7	-6.5	M
4-Jan-11	-2.2	-5.3	M
5-Jan-11	-4.2	-3.2	M
6-Jan-11	-5.5	-2.4	M
7-Jan-11	-8.2	-5.0	M
8-Jan-11	-10.6	-7.9	M
9-Jan-11	-9.9	-11.5	M
10-Jan-11	-13.5	-14.0	M
11-Jan-11	-16.0	-15.2	M
12-Jan-11	-16.9	-13.2	M
13-Jan-11	-22.3	-18.7	M
14-Jan-11	-23.6	-20.6	M
15-Jan-11	-21.3	-18.7	M
16-Jan-11	-13.9	-17.0	M
17-Jan-11	-11.1	-13.0	M
18-Jan-11	-6.8	-7.3	M
19-Jan-11	-5.0	-4.6	M
20-Jan-11	-1.8	-1.3	M
21-Jan-11	-2.4	-0.7	M
22-Jan-11	-1.7	-0.5	M
23-Jan-11	-4.6	-1.6	M
24-Jan-11	-3.4	-2.1	M
25-Jan-11	-1.7	-0.6	M
26-Jan-11	-1.5	-0.5	M
27-Jan-11	-6.7	-2.4	M
28-Jan-11	-8.1	-6.3	M
29-Jan-11	-8.9	-8.4	M
30-Jan-11	-12.6	-11.1	M
31-Jan-11	-13.6	-12.3	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Feb-11	-7.7	-10.2	M
2-Feb-11	-1.4	-7.4	M
3-Feb-11	-2.0	-2.2	M
4-Feb-11	-4.7	-1.1	M
5-Feb-11	-8.1	-4.4	M
6-Feb-11	-8.2	-4.7	M
7-Feb-11	-10.0	-5.4	M
8-Feb-11	-10.0	-10.3	M
9-Feb-11	-5.1	-8.7	M
10-Feb-11	-2.5	-3.6	M
11-Feb-11	-3.0	-1.5	M
12-Feb-11	-4.7	-1.7	M
13-Feb-11	-6.6	-3.5	M
14-Feb-11	-7.2	-4.0	M
15-Feb-11	-13.0	-10.2	M
16-Feb-11	-19.2	-15.3	M
17-Feb-11	-20.5	-17.3	M
18-Feb-11	-19.1	-18.8	M
19-Feb-11	-14.5	-17.4	M
20-Feb-11	-10.5	-12.4	M
21-Feb-11	-11.4	-8.0	M
22-Feb-11	-15.4	-10.8	M
23-Feb-11	-17.5	-14.0	M
24-Feb-11	-16.4	-15.6	M
25-Feb-11	-7.7	-14.0	M
26-Feb-11	-8.3	-8.1	M
27-Feb-11	-16.4	-11.7	M
28-Feb-11	-24.6	-19.6	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Mar-11	-23.3	-19.1	M
2-Mar-11	-17.2	-14.8	M
3-Mar-11	-15.3	-10.7	M
4-Mar-11	-11.5	-8.4	M
5-Mar-11	-9.8	-5.2	M
6-Mar-11	-10.6	-5.6	M
7-Mar-11	-13.7	-9.2	M
8-Mar-11	-11.5	-8.6	M
9-Mar-11	-7.6	-4.6	M
10-Mar-11	-7.7	-7.0	M
11-Mar-11	-7.3	-8.2	M
12-Mar-11	-5.7	-6.8	M
13-Mar-11	-5.1	-2.3	M
14-Mar-11	-3.0	-0.7	M
15-Mar-11	-3.3	0.1	M
16-Mar-11	-3.1	0.2	M
17-Mar-11	-7.5	-1.2	M
18-Mar-11	-7.1	-2.9	M
19-Mar-11	-5.8	-1.4	M
20-Mar-11	-5.9	-1.1	M
21-Mar-11	-6.5	-1.1	M
22-Mar-11	-6.2	-1.4	M
23-Mar-11	-4.7	0.3	M
24-Mar-11	-2.9	1.5	M
25-Mar-11	-2.0	2.6	M
26-Mar-11	-1.5	3.7	M
27-Mar-11	-1.5	3.4	M
28-Mar-11	-2.6	1.6	M
29-Mar-11	-2.3	1.1	M
30-Mar-11	-2.7	0.0	M
31-Mar-11	-3.9	0.2	M

Appendix 2. Mean Daily Air Temperature (°C)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Apr-11	-4.3	0.0	M
2-Apr-11	-4.6	0.7	M
3-Apr-11	-5.1	-2.0	M
4-Apr-11	-5.2	-0.6	M
5-Apr-11	-7.0	-1.8	M
6-Apr-11	-5.1	-0.3	M
7-Apr-11	-4.9	0.8	M
8-Apr-11	-4.2	0.2	M
9-Apr-11	-5.1	-0.1	M
10-Apr-11	-6.6	-0.9	M
11-Apr-11	-6.9	-1.6	M
12-Apr-11	-4.7	-0.2	M
13-Apr-11	-3.9	1.3	M
14-Apr-11	-3.5	0.2	M
15-Apr-11	-4.8	0.1	M
16-Apr-11	-4.7	0.3	M
17-Apr-11	-4.3	-0.7	M
18-Apr-11	-6.0	0.1	M
19-Apr-11	-6.2	0.2	M
20-Apr-11	-5.2	-0.2	M
21-Apr-11	-5.1	0.7	M
22-Apr-11	-3.8	1.5	M
23-Apr-11	-4.5	2.5	M
24-Apr-11	-1.4	3.8	M
25-Apr-11	-0.9	5.1	M
26-Apr-11	-1.8	3.6	M
27-Apr-11	-1.6	4.4	M
28-Apr-11	-0.1	6.1	M
29-Apr-11	-1.2	4.6	M
30-Apr-11	-3.1	2.5	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-May-11	-4.6	0.0	M
2-May-11	-1.9	1.0	M
3-May-11	-1.4	2.4	M
4-May-11	-2.0	1.1	M
5-May-11	-1.0	3.1	M
6-May-11	-0.1	5.2	M
7-May-11	1.9	8.0	M
8-May-11	1.6	7.9	M
9-May-11	0.1	5.1	M
10-May-11	-1.4	2.6	M
11-May-11	-1.8	3.5	M
12-May-11	-1.5	4.2	M
13-May-11	0.4	5.5	M
14-May-11	3.0	8.8	M
15-May-11	5.9	11.7	M
16-May-11	4.2	8.0	M
17-May-11	0.4	4.6	M
18-May-11	0.8	3.5	M
19-May-11	2.7	7.8	M
20-May-11	6.9	11.7	M
21-May-11	4.3	8.7	M
22-May-11	1.2	5.9	M
23-May-11	2.2	6.1	M
24-May-11	3.6	6.6	M
25-May-11	5.3	9.8	M
26-May-11	5.6	9.5	M
27-May-11	3.7	7.3	M
28-May-11	6.8	11.5	M
29-May-11	6.8	12.3	M
30-May-11	8.3	13.4	M
31-May-11	8.3	14.8	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jun-11	10.1	15.5	M
2-Jun-11	4.8	11.2	M
3-Jun-11	3.6	9.6	M
4-Jun-11	2.6	7.0	M
5-Jun-11	3.3	9.7	M
6-Jun-11	2.9	8.9	M
7-Jun-11	8.1	14.5	M
8-Jun-11	7.6	12.7	M
9-Jun-11	4.4	10.6	M
10-Jun-11	2.9	9.7	M
11-Jun-11	2.6	9.0	M
12-Jun-11	3.6	9.6	M
13-Jun-11	4.7	10.9	M
14-Jun-11	3.5	9.5	M
15-Jun-11	3.6	10.1	M
16-Jun-11	5.3	11.3	M
17-Jun-11	6.2	11.7	M
18-Jun-11	4.1	9.3	M
19-Jun-11	4.4	9.9	M
20-Jun-11	4.5	10.5	M
21-Jun-11	5.3	11.4	M
22-Jun-11	6.4	12.0	M
23-Jun-11	3.6	8.5	M
24-Jun-11	3.5	7.9	M
25-Jun-11	5.3	11.5	M
26-Jun-11	6.5	12.6	M
27-Jun-11	8.8	15.0	M
28-Jun-11	5.6	10.9	M
29-Jun-11	2.2	7.7	M
30-Jun-11	2.1	7.5	M

Appendix 2. Mean Daily Air Temperature (°C)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jul-11	1.5	6.3	M
2-Jul-11	2.3	7.1	M
3-Jul-11	1.7	6.1	M
4-Jul-11	1.9	6.6	M
5-Jul-11	4.5	8.6	M
6-Jul-11	4.9	10.7	M
7-Jul-11	3.4	9.7	M
8-Jul-11	3.9	9.9	M
9-Jul-11	4.5	10.1	M
10-Jul-11	7.1	13.0	M
11-Jul-11	10.3	16.3	M
12-Jul-11	13.4	19.3	M
13-Jul-11	14.2	20.0	M
14-Jul-11	8.0	14.0	M
15-Jul-11	6.9	12.2	M
16-Jul-11	8.9	14.2	M
17-Jul-11	10.4	16.4	M
18-Jul-11	6.0	11.7	M
19-Jul-11	5.2	11.3	M
20-Jul-11	4.5	8.3	M
21-Jul-11	7.3	11.0	M
22-Jul-11	7.9	12.9	M
23-Jul-11	8.8	14.2	M
24-Jul-11	7.5	12.0	M
25-Jul-11	5.9	11.1	M
26-Jul-11	4.3	9.8	M
27-Jul-11	3.9	7.5	M
28-Jul-11	4.3	8.1	M
29-Jul-11	4.7	9.5	M
30-Jul-11	4.5	8.8	M
31-Jul-11	4.2	10.1	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Aug-11	5.1	10.3	M
2-Aug-11	7.7	13.3	M
3-Aug-11	8.8	14.2	M
4-Aug-11	7.0	10.3	M
5-Aug-11	4.1	10.7	M
6-Aug-11	5.6	12.2	M
7-Aug-11	8.0	13.6	M
8-Aug-11	8.7	14.1	M
9-Aug-11	9.2	15.1	M
10-Aug-11	8.5	14.4	M
11-Aug-11	3.8	8.8	M
12-Aug-11	4.7	9.4	M
13-Aug-11	5.6	8.2	10.4
14-Aug-11	3.8	8.9	8.8
15-Aug-11	3.5	7.0	7.9
16-Aug-11	3.3	6.4	7.1
17-Aug-11	4.1	8.5	9.2
18-Aug-11	4.7	9.8	10.3
19-Aug-11	5.4	7.5	8.1
20-Aug-11	9.1	10.9	11.5
21-Aug-11	6.7	10.0	11.0
22-Aug-11	5.6	9.1	9.8
23-Aug-11	3.7	7.4	8.1
24-Aug-11	3.3	7.5	8.5
25-Aug-11	4.4	8.7	8.9
26-Aug-11	4.7	8.4	9.2
27-Aug-11	5.6	9.7	10.1
28-Aug-11	5.8	8.5	9.5
29-Aug-11	3.9	9.2	9.7
30-Aug-11	4.1	9.2	9.6
31-Aug-11	4.6	10.1	10.1

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Sep-11	3.2	7.8	8.6
2-Sep-11	4.5	7.8	8.5
3-Sep-11	6.4	8.4	9.1
4-Sep-11	4.9	8.7	10.2
5-Sep-11	3.7	6.9	7.3
6-Sep-11	8.3	10.4	10.9
7-Sep-11	7.6	10.1	11.1
8-Sep-11	10.9	12.5	13.6
9-Sep-11	8.7	13.2	14.3
10-Sep-11	6.8	10.9	11.1
11-Sep-11	7.2	10.9	11.4
12-Sep-11	9.4	10.8	11.6
13-Sep-11	7.4	11.4	12.1
14-Sep-11	6.5	9.1	9.7
15-Sep-11	4.6	9.4	9.9
16-Sep-11	2.0	6.7	7.3
17-Sep-11	2.3	6.6	6.9
18-Sep-11	1.7	5.3	5.7
19-Sep-11	2.8	6.3	6.9
20-Sep-11	4.2	7.4	7.6
21-Sep-11	3.0	7.0	7.3
22-Sep-11	0.9	4.6	5.4
23-Sep-11	0.6	3.3	3.8
24-Sep-11	0.3	3.9	4.7
25-Sep-11	-0.1	3.6	4.3
26-Sep-11	-0.8	2.3	2.6
27-Sep-11	0.5	3.3	3.8
28-Sep-11	0.2	3.8	4.3
29-Sep-11	-0.3	2.6	2.9
30-Sep-11	-0.4	3.0	3.8

Appendix 2. Mean Daily Air Temperature (°C)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Oct-11	-2.4	2.1	2.5
2-Oct-11	-0.6	2.7	2.7
3-Oct-11	-0.2	2.5	2.6
4-Oct-11	1.6	5.3	5.3
5-Oct-11	2.6	5.5	5.6
6-Oct-11	1.2	3.0	3.4
7-Oct-11	-0.2	3.8	4.4
8-Oct-11	-0.9	1.7	2.0
9-Oct-11	-0.1	2.7	3.8
10-Oct-11	-0.5	3.5	3.6
11-Oct-11	0.8	4.6	4.6
12-Oct-11	1.0	4.3	5.1
13-Oct-11	-1.1	2.4	3.4
14-Oct-11	-3.7	1.1	1.9
15-Oct-11	-4.1	-0.3	0.1
16-Oct-11	-2.8	0.1	0.4
17-Oct-11	0.4	0.5	1.1
18-Oct-11	1.7	4.3	5.3
19-Oct-11	-1.2	2.1	3.5
20-Oct-11	-3.7	0.5	1.0
21-Oct-11	-2.9	-0.5	-0.2
22-Oct-11	-1.8	0.0	0.6
23-Oct-11	-2.0	0.1	1.2
24-Oct-11	-2.1	0.5	1.5
25-Oct-11	-2.0	0.4	0.9
26-Oct-11	-2.3	0.0	0.0
27-Oct-11	-2.8	0.2	0.5
28-Oct-11	-2.5	0.0	0.1
29-Oct-11	-1.6	0.1	0.6
30-Oct-11	-1.9	-0.2	0.4
31-Oct-11	-2.6	0.1	0.4

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Nov-11	-2.1	-0.1	0.0
2-Nov-11	-4.5	-0.9	-0.3
3-Nov-11	-12.2	-7.5	-6.2
4-Nov-11	-8.6	-8.5	-8.1
5-Nov-11	-5.5	-3.9	-3.6
6-Nov-11	-3.9	-2.6	-2.1
7-Nov-11	-5.0	-1.5	-1.0
8-Nov-11	-5.6	-1.9	-1.6
9-Nov-11	-4.8	-2.0	-1.6
10-Nov-11	-4.7	-2.1	-1.7
11-Nov-11	-5.9	-2.3	-1.3
12-Nov-11	-4.2	-2.6	-2.3
13-Nov-11	-6.4	-2.8	-2.2
14-Nov-11	-9.5	-6.3	-5.8
15-Nov-11	-7.4	-5.4	-4.9
16-Nov-11	-6.9	-3.6	-3.4
17-Nov-11	-8.2	-4.8	-4.3
18-Nov-11	-15.0	-10.8	-10.6
19-Nov-11	-19.0	-14.5	-14.6
20-Nov-11	-19.1	-16.5	-16.0
21-Nov-11	-10.7	-11.1	-11.0
22-Nov-11	-6.7	-5.5	-5.1
23-Nov-11	-7.6	-4.3	-3.8
24-Nov-11	-8.5	-4.5	-3.9
25-Nov-11	-9.6	-6.5	-6.0
26-Nov-11	-4.5	-2.7	-2.3
27-Nov-11	-7.7	-3.7	-2.8
28-Nov-11	-4.9	-3.4	-3.3
29-Nov-11	-6.4	-4.2	-3.6
30-Nov-11	-5.4	-8.3	-8.3

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Dec-11	-3.8	-3.6	-4.3
2-Dec-11	-4.6	-1.5	-2.2
3-Dec-11	-3.8	0.2	-0.3
4-Dec-11	-1.6	-3.8	-3.3
5-Dec-11	-0.6	-1.3	-1.3
6-Dec-11	-8.5	-3.6	-3.0
7-Dec-11	-11.8	-10.2	-9.9
8-Dec-11	-5.5	-9.5	-9.6
9-Dec-11	-4.5	-7.6	-7.1
10-Dec-11	-6.0	-4.8	-5.2
11-Dec-11	-9.1	-8.6	-8.3
12-Dec-11	-6.2	-8.4	-7.7
13-Dec-11	-9.7	-7.5	-7.3
14-Dec-11	-11.4	-11.0	-10.3
15-Dec-11	-9.7	-11.9	-11.7
16-Dec-11	-7.0	-9.7	-9.8
17-Dec-11	-5.7	-6.1	-6.5
18-Dec-11	-7.4	-9.0	-8.5
19-Dec-11	-2.6	-5.0	-4.0
20-Dec-11	-5.4	-1.4	-1.8
21-Dec-11	-7.8	-6.0	-5.1
22-Dec-11	-4.5	-3.4	-3.8
23-Dec-11	-3.6	-1.6	-1.5
24-Dec-11	-3.9	-2.0	-1.4
25-Dec-11	-5.2	-2.0	-1.4
26-Dec-11	-6.5	-3.0	-2.8
27-Dec-11	-9.2	-5.7	-5.0
28-Dec-11	-6.9	-5.1	-4.7
29-Dec-11	-9.1	-5.6	-4.4
30-Dec-11	-11.4	-7.5	-7.3
31-Dec-11	-11.7	-9.1	-8.7

Appendix 2. Mean Daily Air Temperature (°C)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jan-12	-9.6	-6.6	-7.3
2-Jan-12	-5.5	-4.2	-2.9
3-Jan-12	-4.0	-4.1	-3.0
4-Jan-12	-1.4	0.0	0.2
5-Jan-12	-5.6	-2.1	-1.4
6-Jan-12	-8.1	-5.8	-5.0
7-Jan-12	-3.1	-3.3	-2.5
8-Jan-12	-2.4	-0.6	0.0
9-Jan-12	-8.0	-4.0	-2.8
10-Jan-12	-13.6	-9.7	-9.0
11-Jan-12	-9.5	-10.8	-10.2
12-Jan-12	-6.0	-8.2	-6.7
13-Jan-12	-9.1	-5.4	-4.9
14-Jan-12	-13.2	-7.8	-6.9
15-Jan-12	-21.7	-16.6	-15.1
16-Jan-12	-26.4	-24.0	-22.7
17-Jan-12	-29.0	-28.1	-25.2
18-Jan-12	-25.9	-26.8	-26.5
19-Jan-12	-24.0	-28.4	-27.1
20-Jan-12	-19.6	-22.5	-22.4
21-Jan-12	-13.0	-16.6	-15.3
22-Jan-12	-9.0	-10.4	-9.5
23-Jan-12	-8.2	-7.1	-6.1
24-Jan-12	-6.0	-4.3	-3.3
25-Jan-12	-7.7	-4.5	-3.9
26-Jan-12	-10.3	-7.2	-6.8
27-Jan-12	-9.1	-6.8	-6.1
28-Jan-12	-8.2	-6.7	-5.7
29-Jan-12	-2.8	-5.0	-3.7
30-Jan-12	-4.1	-2.1	-1.2
31-Jan-12	-4.3	-1.5	-1.1

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Feb-12	-5.2	-1.8	-1.9
2-Feb-12	-1.3	-1.2	-0.6
3-Feb-12	-2.6	-0.3	0.7
4-Feb-12	-3.1	-2.6	-1.8
5-Feb-12	-1.6	-0.2	-0.3
6-Feb-12	-3.7	0.5	0.3
7-Feb-12	-4.4	-2.5	-1.4
8-Feb-12	-4.8	-4.0	-3.1
9-Feb-12	-2.9	-1.9	-2.1
10-Feb-12	-3.6	-0.9	-0.5
11-Feb-12	-2.7	-1.1	-0.7
12-Feb-12	-4.9	-0.9	-0.3
13-Feb-12	-8.5	-4.5	-3.8
14-Feb-12	-5.4	-5.6	-5.6
15-Feb-12	-7.3	-7.4	-7.4
16-Feb-12	-5.7	-5.4	-5.2
17-Feb-12	-5.8	-3.6	-2.7
18-Feb-12	-6.8	-2.7	-2.4
19-Feb-12	-8.1	-4.1	-3.5
20-Feb-12	-5.9	-3.8	-3.2
21-Feb-12	-5.1	-1.8	-1.6
22-Feb-12	-6.0	-1.9	-1.3
23-Feb-12	-8.6	-3.7	-3.2
24-Feb-12	-9.6	-7.6	-6.3
25-Feb-12	-11.9	-6.5	-5.5
26-Feb-12	-13.9	-10.7	-10.4
27-Feb-12	-11.3	-10.0	-9.5
28-Feb-12	-10.0	-6.1	-5.5
29-Feb-12	-9.1	-5.7	-5.0

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Mar-12	-8.6	-5.5	-4.9
2-Mar-12	-5.5	-3.1	-2.5
3-Mar-12	-6.9	-2.7	-2.2
4-Mar-12	-9.9	-5.5	-4.7
5-Mar-12	-13.1	-8.0	-8.0
6-Mar-12	-8.9	-8.6	-8.1
7-Mar-12	-3.2	-1.8	-1.1
8-Mar-12	-2.6	-0.5	-0.4
9-Mar-12	-5.1	-1.4	-1.1
10-Mar-12	-6.3	-2.3	-2.7
11-Mar-12	-6.3	-2.0	-1.7
12-Mar-12	-8.5	-4.7	-4.3
13-Mar-12	-9.3	-4.4	-3.8
14-Mar-12	-8.8	-4.9	-4.7
15-Mar-12	-5.6	-2.1	-1.8
16-Mar-12	-6.1	-1.1	-0.6
17-Mar-12	-7.5	-2.7	-1.8
18-Mar-12	-10.9	-4.4	-3.6
19-Mar-12	-10.4	-5.7	-5.3
20-Mar-12	-8.4	-4.0	-3.4
21-Mar-12	-7.6	-3.1	-2.3
22-Mar-12	-7.6	-3.5	-2.9
23-Mar-12	-8.7	-4.1	-3.8
24-Mar-12	-10.4	-3.9	-3.6
25-Mar-12	-8.9	-3.4	-2.4
26-Mar-12	-6.3	-2.5	-2.0
27-Mar-12	-1.7	2.0	2.6
28-Mar-12	-1.2	1.7	1.6
29-Mar-12	-2.9	1.6	1.7
30-Mar-12	-5.6	-0.5	0.7
31-Mar-12	-7.9	-1.6	-0.7

**Appendix 2. Mean Daily Air Temperature (°C)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Apr-12	-6.5	-2.0	-1.3
2-Apr-12	-4.6	-0.6	-0.4
3-Apr-12	-5.4	0.4	0.7
4-Apr-12	-4.6	1.0	1.1
5-Apr-12	-4.9	1.7	1.8
6-Apr-12	-4.6	1.9	2.2
7-Apr-12	-3.1	2.1	2.6
8-Apr-12	0.4	4.6	4.9
9-Apr-12	1.8	6.5	7.2
10-Apr-12	1.3	5.2	5.8
11-Apr-12	1.1	5.3	5.9
12-Apr-12	1.1	4.5	5.1
13-Apr-12	0.0	5.0	5.4
14-Apr-12	-0.9	2.9	3.3
15-Apr-12	-1.0	4.4	4.8
16-Apr-12	0.9	5.5	6.2
17-Apr-12	-1.1	4.5	4.7
18-Apr-12	-0.5	4.1	3.8
19-Apr-12	-2.2	2.4	2.9
20-Apr-12	-2.5	1.3	1.9
21-Apr-12	-3.5	2.7	3.1
22-Apr-12	-1.5	4.1	4.4
23-Apr-12	-2.4	3.1	3.3
24-Apr-12	-2.5	3.7	4.0
25-Apr-12	0.4	4.5	5.3
26-Apr-12	-0.4	3.2	3.5
27-Apr-12	-3.0	1.1	1.8
28-Apr-12	-1.9	1.7	2.2
29-Apr-12	-2.0	2.3	2.7
30-Apr-12	-0.5	3.8	4.3

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-May-12	-0.9	2.7	3.3
2-May-12	-2.7	2.7	3.2
3-May-12	-1.8	3.8	4.3
4-May-12	-2.6	2.3	3.1
5-May-12	-2.2	1.8	2.9
6-May-12	-1.2	1.6	1.8
7-May-12	-0.3	2.7	3.0
8-May-12	-2.9	1.5	2.7
9-May-12	-4.6	0.3	0.6
10-May-12	-3.0	1.6	2.4
11-May-12	-1.7	2.7	3.1
12-May-12	-1.2	3.2	4.5
13-May-12	-1.3	3.6	4.4
14-May-12	-1.2	5.1	5.4
15-May-12	-2.5	3.5	4.4
16-May-12	-4.0	1.9	1.9
17-May-12	-1.6	4.3	4.1
18-May-12	-0.3	5.1	5.7
19-May-12	0.1	6.0	6.6
20-May-12	1.3	5.8	6.5
21-May-12	2.5	6.1	6.8
22-May-12	0.6	6.2	6.5
23-May-12	1.6	7.9	7.8
24-May-12	4.7	11.3	11.6
25-May-12	6.2	11.5	11.9
26-May-12	4.3	7.6	8.8
27-May-12	2.1	7.3	8.2
28-May-12	1.3	6.7	7.8
29-May-12	0.3	6.3	7.0
30-May-12	0.6	4.9	5.0
31-May-12	1.2	6.0	6.6

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jun-12	0.7	4.9	5.5
2-Jun-12	0.3	5.9	6.1
3-Jun-12	1.0	6.9	7.3
4-Jun-12	4.8	10.7	10.9
5-Jun-12	4.0	7.6	8.3
6-Jun-12	1.5	7.0	7.0
7-Jun-12	1.0	5.3	5.6
8-Jun-12	2.0	8.0	8.2
9-Jun-12	2.5	8.7	9.3
10-Jun-12	3.6	9.2	9.9
11-Jun-12	4.0	8.2	9.3
12-Jun-12	2.0	8.5	9.1
13-Jun-12	0.4	7.2	7.2
14-Jun-12	1.3	7.5	8.0
15-Jun-12	1.5	7.0	7.6
16-Jun-12	2.8	6.0	6.6
17-Jun-12	3.6	9.2	9.5
18-Jun-12	4.0	10.5	11.0
19-Jun-12	3.6	9.3	9.8
20-Jun-12	4.4	9.4	10.2
21-Jun-12	7.3	12.2	12.4
22-Jun-12	11.2	17.3	17.9
23-Jun-12	13.0	19.3	20.3
24-Jun-12	9.5	15.3	16.1
25-Jun-12	2.6	7.9	7.4
26-Jun-12	1.7	6.3	6.2
27-Jun-12	2.5	6.4	7.2
28-Jun-12	3.5	7.8	8.3
29-Jun-12	4.0	9.0	9.8
30-Jun-12	2.0	8.6	9.3

**Appendix 2. Mean Daily Air Temperature (°C)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jul-12	1.5	7.2	7.7
2-Jul-12	3.2	8.6	9.2
3-Jul-12	4.1	10.4	10.8
4-Jul-12	4.2	10.1	10.4
5-Jul-12	4.9	11.3	11.8
6-Jul-12	6.9	13.1	13.6
7-Jul-12	5.4	9.8	10.6
8-Jul-12	6.2	10.5	11.5
9-Jul-12	9.1	14.1	14.5
10-Jul-12	5.5	11.6	13.5
11-Jul-12	5.8	12.0	12.3
12-Jul-12	8.4	15.1	15.2
13-Jul-12	9.5	16.0	16.3
14-Jul-12	8.3	14.3	15.1
15-Jul-12	12.1	18.3	18.5
16-Jul-12	11.0	17.3	17.9
17-Jul-12	6.6	13.3	14.2
18-Jul-12	4.3	11.1	11.6
19-Jul-12	5.1	9.2	10.0
20-Jul-12	11.1	15.4	15.7
21-Jul-12	6.7	10.7	11.2
22-Jul-12	7.7	13.4	13.7
23-Jul-12	7.4	13.7	14.5
24-Jul-12	7.8	14.3	14.7
25-Jul-12	12.0	16.5	17.0
26-Jul-12	12.3	18.6	18.7
27-Jul-12	9.4	15.5	15.8
28-Jul-12	7.5	13.5	13.9
29-Jul-12	7.0	11.6	12.5
30-Jul-12	5.2	9.7	10.6
31-Jul-12	4.4	8.5	9.5

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Aug-12	5.5	9.8	10.4
2-Aug-12	5.7	10.0	10.3
3-Aug-12	6.9	11.1	11.9
4-Aug-12	8.2	13.3	14.0
5-Aug-12	8.4	14.1	14.8
6-Aug-12	10.6	15.8	16.6
7-Aug-12	12.8	17.2	18.0
8-Aug-12	9.0	13.2	14.0
9-Aug-12	3.6	8.0	9.3
10-Aug-12	4.6	9.4	10.2
11-Aug-12	6.9	10.6	11.3
12-Aug-12	7.6	12.2	12.6
13-Aug-12	5.6	9.4	9.9
14-Aug-12	10.3	13.4	13.7
15-Aug-12	11.0	15.9	16.1
16-Aug-12	12.1	16.8	17.2
17-Aug-12	13.0	17.4	18.0
18-Aug-12	12.0	17.6	18.2
19-Aug-12	12.2	17.3	17.4
20-Aug-12	10.3	15.9	16.3
21-Aug-12	8.4	12.8	13.7
22-Aug-12	5.3	10.7	11.3
23-Aug-12	3.5	7.2	7.8
24-Aug-12	5.0	9.0	9.2
25-Aug-12	6.4	11.0	11.5
26-Aug-12	9.9	14.1	14.6
27-Aug-12	9.0	13.7	14.0
28-Aug-12	5.0	8.2	9.3
29-Aug-12	4.8	8.3	8.5
30-Aug-12	6.6	11.0	10.8
31-Aug-12	6.3	11.0	11.1

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Sep-12	5.4	10.7	11.1
2-Sep-12	3.6	8.8	9.7
3-Sep-12	4.1	6.9	7.8
4-Sep-12	5.3	9.3	10.3
5-Sep-12	5.8	11.1	11.5
6-Sep-12	7.2	12.1	12.5
7-Sep-12	6.9	11.0	11.7
8-Sep-12	9.0	12.0	12.4
9-Sep-12	3.1	7.8	9.1
10-Sep-12	0.6	4.9	5.7
11-Sep-12	0.3	4.1	5.1
12-Sep-12	1.9	4.8	6.1
13-Sep-12	5.6	7.8	8.7
14-Sep-12	2.6	6.5	7.6
15-Sep-12	2.9	7.5	7.7
16-Sep-12	6.7	8.7	9.0
17-Sep-12	5.6	7.1	7.3
18-Sep-12	5.3	8.3	8.5
19-Sep-12	9.8	10.8	10.5
20-Sep-12	12.6	13.4	13.4
21-Sep-12	11.9	13.8	13.7
22-Sep-12	9.5	9.7	9.6
23-Sep-12	5.5	8.0	8.7
24-Sep-12	3.2	8.0	8.6
25-Sep-12	2.4	5.7	5.9
26-Sep-12	4.2	6.4	6.9
27-Sep-12	4.2	7.1	7.8
28-Sep-12	1.8	3.9	4.7
29-Sep-12	0.2	3.7	4.6
30-Sep-12	0.2	3.5	4.3

Appendix 2. Mean Daily Air Temperature (°C)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Oct-12	-0.5	3.0	3.7
2-Oct-12	-1.9	3.3	3.5
3-Oct-12	-0.2	1.9	2.2
4-Oct-12	3.0	4.0	3.7
5-Oct-12	8.8	8.3	7.4
6-Oct-12	11.1	10.7	9.5
7-Oct-12	9.5	12.4	11.2
8-Oct-12	8.8	10.4	10.2
9-Oct-12	6.8	8.4	8.7
10-Oct-12	3.3	7.0	6.7
11-Oct-12	-0.3	2.2	2.6
12-Oct-12	0.6	0.4	0.8
13-Oct-12	1.4	3.7	4.7
14-Oct-12	0.5	2.6	3.1
15-Oct-12	0.8	3.6	4.1
16-Oct-12	-2.2	1.4	2.1
17-Oct-12	-3.2	0.2	-0.1
18-Oct-12	-5.2	-0.5	-0.1
19-Oct-12	-7.4	-2.7	-2.5
20-Oct-12	-7.6	-3.3	-3.0
21-Oct-12	-7.1	-3.1	-2.4
22-Oct-12	-8.1	-4.9	-3.1
23-Oct-12	-7.6	-3.3	-2.4
24-Oct-12	-7.2	-2.3	-1.9
25-Oct-12	-8.1	-3.1	-2.7
26-Oct-12	-9.1	-4.1	-3.4
27-Oct-12	-10.6	-6.7	-5.7
28-Oct-12	-12.8	-8.5	-7.1
29-Oct-12	-13.6	-9.2	-8.1
30-Oct-12	-12.9	-10.7	-10.0
31-Oct-12	-12.6	-8.5	-8.0

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Nov-12	-8.8	-6.8	-6.0
2-Nov-12	-4.6	-3.9	-3.2
3-Nov-12	-2.3	-0.8	-0.4
4-Nov-12	-1.5	0.5	0.6
5-Nov-12	-1.8	0.7	1.2
6-Nov-12	-3.5	-0.1	0.2
7-Nov-12	-4.2	-0.8	-0.4
8-Nov-12	-8.3	-4.1	-2.6
9-Nov-12	-10.7	-9.1	-7.6
10-Nov-12	-11.2	-9.4	-9.2
11-Nov-12	-9.8	-7.0	-6.8
12-Nov-12	-5.8	-4.8	-4.4
13-Nov-12	-3.4	-3.3	-2.9
14-Nov-12	-2.6	-1.7	-1.0
15-Nov-12	-4.1	-1.0	-0.3
16-Nov-12	-3.9	-0.8	-0.4
17-Nov-12	-4.2	-2.0	-1.3
18-Nov-12	-5.2	-7.2	-5.5
19-Nov-12	-4.2	-5.7	-3.6
20-Nov-12	-5.3	-8.1	-6.3
21-Nov-12	-10.7	-9.1	-7.5
22-Nov-12	-8.5	-6.4	-6.7
23-Nov-12	-6.7	-4.3	-4.0
24-Nov-12	-4.2	-2.1	-1.9
25-Nov-12	-4.8	-2.0	-1.3
26-Nov-12	-7.1	-2.9	-2.4
27-Nov-12	-8.0	-6.5	-6.8
28-Nov-12	-7.2	-6.9	-5.9
29-Nov-12	-8.6	-9.4	-7.3
30-Nov-12	-9.0	-11.8	-9.4

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Dec-12	-11.7	-12.3	-10.7
2-Dec-12	-11.8	-12.4	-10.5
3-Dec-12	-8.8	-8.4	-7.8
4-Dec-12	-6.0	-3.7	-3.3
5-Dec-12	-7.4	-4.7	-4.1
6-Dec-12	-8.6	-4.9	-4.6
7-Dec-12	-10.1	-6.8	-6.2
8-Dec-12	-13.2	-9.9	-9.4
9-Dec-12	-5.0	-8.4	-7.6
10-Dec-12	-2.4	-3.1	-2.4
11-Dec-12	-5.1	-1.9	-1.2
12-Dec-12	-7.6	-7.7	-7.1
13-Dec-12	-4.9	-5.6	-4.1
14-Dec-12	-6.2	-4.8	-4.0
15-Dec-12	-6.6	-3.1	-3.0
16-Dec-12	-9.3	-5.3	-4.9
17-Dec-12	-11.6	-7.3	-6.4
18-Dec-12	-12.0	-9.4	-8.6
19-Dec-12	-10.2	-7.8	-7.4
20-Dec-12	-10.7	-9.8	-7.6
21-Dec-12	-13.8	-13.4	-11.4
22-Dec-12	-15.2	-14.5	-13.1
23-Dec-12	-15.8	-14.1	-13.3
24-Dec-12	-17.6	-16.3	-14.9
25-Dec-12	-12.2	-15.4	-13.7
26-Dec-12	-11.3	-14.4	-14.4
27-Dec-12	-12.5	-14.8	-14.9
28-Dec-12	-7.6	-12.7	-12.2
29-Dec-12	-6.2	-10.2	-9.9
30-Dec-12	-5.4	-8.2	-7.9
31-Dec-12	-4.4	-5.9	-4.8



## Appendix 3

Daily Maximum Air Temperature (°C)

Appendix 3. Daily Maximum Air Temperature (°C)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Oct-09	M	M	M
2-Oct-09	M	M	M
3-Oct-09	M	M	M
4-Oct-09	M	M	M
5-Oct-09	M	M	M
6-Oct-09	M	M	M
7-Oct-09	M	M	M
8-Oct-09	M	M	M
9-Oct-09	M	M	M
10-Oct-09	M	M	M
11-Oct-09	M	M	M
12-Oct-09	M	M	M
13-Oct-09	-4.5	M	M
14-Oct-09	-1.1	M	M
15-Oct-09	1.3	M	M
16-Oct-09	4.1	M	M
17-Oct-09	0.6	M	M
18-Oct-09	1.0	M	M
19-Oct-09	1.4	M	M
20-Oct-09	0.8	M	M
21-Oct-09	1.4	M	M
22-Oct-09	1.6	M	M
23-Oct-09	0.8	M	M
24-Oct-09	-0.2	M	M
25-Oct-09	0.6	M	M
26-Oct-09	-0.8	M	M
27-Oct-09	-2.0	M	M
28-Oct-09	-4.8	M	M
29-Oct-09	-0.9	M	M
30-Oct-09	1.1	M	M
31-Oct-09	0.0	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Nov-09	-2.8	M	M
2-Nov-09	-0.8	M	M
3-Nov-09	-1.9	M	M
4-Nov-09	-2.3	M	M
5-Nov-09	0.5	M	M
6-Nov-09	-1.5	M	M
7-Nov-09	-2.1	M	M
8-Nov-09	-3.2	M	M
9-Nov-09	-2.3	M	M
10-Nov-09	-4.1	M	M
11-Nov-09	-2.8	M	M
12-Nov-09	-3.3	M	M
13-Nov-09	-5.7	M	M
14-Nov-09	-1.8	M	M
15-Nov-09	-5.6	M	M
16-Nov-09	-6.9	M	M
17-Nov-09	-6.6	M	M
18-Nov-09	-7.3	M	M
19-Nov-09	-4.9	M	M
20-Nov-09	-5.2	M	M
21-Nov-09	-4.7	M	M
22-Nov-09	-6.5	M	M
23-Nov-09	-3.2	M	M
24-Nov-09	-4.2	M	M
25-Nov-09	-1.0	M	M
26-Nov-09	-0.8	M	M
27-Nov-09	-5.3	M	M
28-Nov-09	-1.5	M	M
29-Nov-09	-2.9	M	M
30-Nov-09	-6.3	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Dec-09	-7.0	M	M
2-Dec-09	-1.8	M	M
3-Dec-09	-3.5	M	M
4-Dec-09	-7.5	M	M
5-Dec-09	-3.6	M	M
6-Dec-09	-3.1	M	M
7-Dec-09	0.0	M	M
8-Dec-09	-4.0	M	M
9-Dec-09	-2.6	M	M
10-Dec-09	-7.9	M	M
11-Dec-09	-9.2	M	M
12-Dec-09	-9.1	M	M
13-Dec-09	-11.9	M	M
14-Dec-09	-19.2	M	M
15-Dec-09	-17.6	M	M
16-Dec-09	-7.8	M	M
17-Dec-09	-2.7	M	M
18-Dec-09	-0.6	M	M
19-Dec-09	-9.2	M	M
20-Dec-09	-8.6	M	M
21-Dec-09	-9.7	M	M
22-Dec-09	-11.4	M	M
23-Dec-09	-11.0	M	M
24-Dec-09	-4.9	M	M
25-Dec-09	-0.4	M	M
26-Dec-09	1.1	M	M
27-Dec-09	-0.7	M	M
28-Dec-09	-3.6	M	M
29-Dec-09	-3.7	M	M
30-Dec-09	-9.9	M	M
31-Dec-09	-13.3	M	M

**Appendix 3. Daily Maximum Air Temperature (°C)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jan-10	-12.3	M	M
2-Jan-10	-11.5	M	M
3-Jan-10	-8.0	M	M
4-Jan-10	-7.7	M	M
5-Jan-10	-6.2	M	M
6-Jan-10	-6.3	M	M
7-Jan-10	-4.1	M	M
8-Jan-10	-1.5	M	M
9-Jan-10	-1.3	M	M
10-Jan-10	0.7	M	M
11-Jan-10	0.7	M	M
12-Jan-10	0.4	M	M
13-Jan-10	0.5	M	M
14-Jan-10	-2.6	M	M
15-Jan-10	-1.4	M	M
16-Jan-10	-3.2	M	M
17-Jan-10	-1.0	M	M
18-Jan-10	-3.1	M	M
19-Jan-10	-1.2	M	M
20-Jan-10	-0.3	M	M
21-Jan-10	-0.2	M	M
22-Jan-10	-0.6	M	M
23-Jan-10	-1.9	M	M
24-Jan-10	-6.8	M	M
25-Jan-10	-7.3	M	M
26-Jan-10	-7.2	M	M
27-Jan-10	-6.7	M	M
28-Jan-10	-4.3	M	M
29-Jan-10	-1.2	M	M
30-Jan-10	-1.1	M	M
31-Jan-10	-0.1	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Feb-10	-2.1	M	M
2-Feb-10	-5.0	M	M
3-Feb-10	-8.9	M	M
4-Feb-10	-6.9	M	M
5-Feb-10	-2.8	M	M
6-Feb-10	-1.8	M	M
7-Feb-10	-1.6	M	M
8-Feb-10	-2.1	M	M
9-Feb-10	-6.3	M	M
10-Feb-10	-6.2	M	M
11-Feb-10	-3.8	M	M
12-Feb-10	-1.6	M	M
13-Feb-10	-1.6	M	M
14-Feb-10	-1.3	M	M
15-Feb-10	-3.2	M	M
16-Feb-10	-1.8	M	M
17-Feb-10	-3.3	M	M
18-Feb-10	6.1	M	M
19-Feb-10	8.8	M	M
20-Feb-10	5.8	M	M
21-Feb-10	8.2	M	M
22-Feb-10	0.4	M	M
23-Feb-10	-0.2	M	M
24-Feb-10	-2.2	M	M
25-Feb-10	-2.2	M	M
26-Feb-10	-2.6	M	M
27-Feb-10	-3.1	M	M
28-Feb-10	-2.4	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Mar-10	-1.0	M	M
2-Mar-10	2.0	M	M
3-Mar-10	-1.9	M	M
4-Mar-10	-2.8	M	M
5-Mar-10	-2.4	M	M
6-Mar-10	-1.0	M	M
7-Mar-10	-6.0	M	M
8-Mar-10	-7.2	M	M
9-Mar-10	-6.5	M	M
10-Mar-10	-7.6	M	M
11-Mar-10	-4.4	M	M
12-Mar-10	-7.0	M	M
13-Mar-10	-5.8	M	M
14-Mar-10	-1.4	M	M
15-Mar-10	-2.4	M	M
16-Mar-10	-3.1	M	M
17-Mar-10	-0.3	M	M
18-Mar-10	-5.6	M	M
19-Mar-10	-1.7	M	M
20-Mar-10	-3.9	M	M
21-Mar-10	0.8	M	M
22-Mar-10	-0.2	M	M
23-Mar-10	0.2	M	M
24-Mar-10	0.1	M	M
25-Mar-10	0.5	M	M
26-Mar-10	-0.5	M	M
27-Mar-10	0.5	M	M
28-Mar-10	0.6	M	M
29-Mar-10	-1.5	M	M
30-Mar-10	2.3	M	M
31-Mar-10	-2.8	M	M

**Appendix 3. Daily Maximum Air Temperature (°C)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Apr-10	-5.2	M	M
2-Apr-10	-2.5	M	M
3-Apr-10	3.8	M	M
4-Apr-10	-4.2	M	M
5-Apr-10	-1.8	M	M
6-Apr-10	-1.1	M	M
7-Apr-10	-2.8	M	M
8-Apr-10	-6.3	M	M
9-Apr-10	-6.2	M	M
10-Apr-10	-4.1	M	M
11-Apr-10	-1.4	M	M
12-Apr-10	-1.7	M	M
13-Apr-10	-0.2	M	M
14-Apr-10	8.8	M	M
15-Apr-10	7.4	M	M
16-Apr-10	6.7	M	M
17-Apr-10	4.0	M	M
18-Apr-10	2.3	M	M
19-Apr-10	7.8	M	M
20-Apr-10	6.7	M	M
21-Apr-10	-1.1	M	M
22-Apr-10	0.5	M	M
23-Apr-10	-0.5	M	M
24-Apr-10	1.4	M	M
25-Apr-10	3.5	M	M
26-Apr-10	3.6	M	M
27-Apr-10	2.7	M	M
28-Apr-10	4.7	M	M
29-Apr-10	3.7	M	M
30-Apr-10	-1.1	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-May-10	4.5	M	M
2-May-10	2.5	M	M
3-May-10	0.3	M	M
4-May-10	3.5	M	M
5-May-10	3.2	M	M
6-May-10	2.0	M	M
7-May-10	2.1	M	M
8-May-10	3.6	M	M
9-May-10	3.8	M	M
10-May-10	5.9	M	M
11-May-10	2.5	M	M
12-May-10	2.1	M	M
13-May-10	4.3	M	M
14-May-10	5.4	M	M
15-May-10	4.2	M	M
16-May-10	3.7	M	M
17-May-10	6.9	M	M
18-May-10	7.9	M	M
19-May-10	6.1	M	M
20-May-10	8.5	M	M
21-May-10	0.1	M	M
22-May-10	10.9	M	M
23-May-10	6.9	M	M
24-May-10	6.2	M	M
25-May-10	7.2	M	M
26-May-10	10.5	M	M
27-May-10	12.0	M	M
28-May-10	13.4	M	M
29-May-10	12.0	M	M
30-May-10	11.3	M	M
31-May-10	12.1	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jun-10	6.5	M	M
2-Jun-10	8.0	M	M
3-Jun-10	4.1	M	M
4-Jun-10	6.9	M	M
5-Jun-10	6.2	M	M
6-Jun-10	8.7	M	M
7-Jun-10	9.9	M	M
8-Jun-10	7.0	M	M
9-Jun-10	11.4	M	M
10-Jun-10	11.4	M	M
11-Jun-10	5.5	M	M
12-Jun-10	3.4	M	M
13-Jun-10	1.5	M	M
14-Jun-10	4.3	M	M
15-Jun-10	3.5	M	M
16-Jun-10	5.1	M	M
17-Jun-10	9.7	M	M
18-Jun-10	9.2	M	M
19-Jun-10	11.4	M	M
20-Jun-10	12.8	M	M
21-Jun-10	9.5	M	M
22-Jun-10	7.8	M	M
23-Jun-10	9.3	M	M
24-Jun-10	7.8	M	M
25-Jun-10	6.9	M	M
26-Jun-10	5.1	M	M
27-Jun-10	7.3	M	M
28-Jun-10	7.4	M	M
29-Jun-10	3.2	M	M
30-Jun-10	2.2	M	M

Appendix 3. Daily Maximum Air Temperature (°C)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jul-10	3.7	M	M
2-Jul-10	4.4	M	M
3-Jul-10	4.3	M	M
4-Jul-10	5.2	M	M
5-Jul-10	4.9	M	M
6-Jul-10	13.4	M	M
7-Jul-10	19.3	M	M
8-Jul-10	18.4	M	M
9-Jul-10	13.5	M	M
10-Jul-10	10.6	M	M
11-Jul-10	10.1	M	M
12-Jul-10	7.8	M	M
13-Jul-10	9.5	M	M
14-Jul-10	6.2	M	M
15-Jul-10	6.0	M	M
16-Jul-10	5.8	M	M
17-Jul-10	6.3	M	M
18-Jul-10	14.9	M	M
19-Jul-10	15.4	M	M
20-Jul-10	14.2	M	M
21-Jul-10	9.6	M	M
22-Jul-10	8.1	M	M
23-Jul-10	9.1	M	M
24-Jul-10	5.2	M	M
25-Jul-10	7.9	M	M
26-Jul-10	16.6	M	M
27-Jul-10	18.7	M	M
28-Jul-10	15.8	M	M
29-Jul-10	12.6	19.7	M
30-Jul-10	12.4	18.7	M
31-Jul-10	15.6	23.6	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Aug-10	14.0	22.5	M
2-Aug-10	16.9	24.3	M
3-Aug-10	18.8	25.4	M
4-Aug-10	20.2	28.5	M
5-Aug-10	18.8	27.5	M
6-Aug-10	11.8	17.4	M
7-Aug-10	8.3	17.8	M
8-Aug-10	6.4	14.9	M
9-Aug-10	8.4	16.8	M
10-Aug-10	9.6	18.4	M
11-Aug-10	12.1	19.8	M
12-Aug-10	15.6	23.8	M
13-Aug-10	19.7	26.6	M
14-Aug-10	21.5	28.2	M
15-Aug-10	22.3	29.4	M
16-Aug-10	18.9	26.2	M
17-Aug-10	17.1	25.1	M
18-Aug-10	11.9	17.8	M
19-Aug-10	5.8	13.7	M
20-Aug-10	7.2	15.2	M
21-Aug-10	7.4	16.6	M
22-Aug-10	7.3	16.7	M
23-Aug-10	4.7	9.4	M
24-Aug-10	7.5	11.3	M
25-Aug-10	6.9	14.3	M
26-Aug-10	6.8	15.5	M
27-Aug-10	6.9	15.9	M
28-Aug-10	8.1	16.6	M
29-Aug-10	9.5	15.5	M
30-Aug-10	6.2	11.1	M
31-Aug-10	7.2	10.8	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Sep-10	6.4	10.8	M
2-Sep-10	7.7	9.8	M
3-Sep-10	8.0	12.3	M
4-Sep-10	4.5	13.8	M
5-Sep-10	4.1	7.8	M
6-Sep-10	7.1	10.9	M
7-Sep-10	12.6	17.1	M
8-Sep-10	10.6	14.9	M
9-Sep-10	6.9	12.8	M
10-Sep-10	5.0	10.6	M
11-Sep-10	6.3	10.7	M
12-Sep-10	9.7	15.1	M
13-Sep-10	9.3	15.4	M
14-Sep-10	9.3	15.2	M
15-Sep-10	11.3	17.8	M
16-Sep-10	13.1	18.6	M
17-Sep-10	13.0	16.0	M
18-Sep-10	12.6	16.6	M
19-Sep-10	5.4	10.1	M
20-Sep-10	7.7	11.9	M
21-Sep-10	7.4	11.6	M
22-Sep-10	4.2	9.5	M
23-Sep-10	3.4	7.3	M
24-Sep-10	3.8	6.5	M
25-Sep-10	5.1	8.2	M
26-Sep-10	5.5	9.2	M
27-Sep-10	4.3	7.7	M
28-Sep-10	6.1	9.7	M
29-Sep-10	4.6	8.3	M
30-Sep-10	6.3	11.1	M

**Appendix 3. Daily Maximum Air Temperature (°C)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Oct-10	10.8	12.3	M
2-Oct-10	3.1	8.6	M
3-Oct-10	4.1	8.2	M
4-Oct-10	3.7	8.5	M
5-Oct-10	5.5	5.5	M
6-Oct-10	7.4	8.1	M
7-Oct-10	5.2	6.2	M
8-Oct-10	2.7	7.3	M
9-Oct-10	4.5	8.3	M
10-Oct-10	4.3	7.7	M
11-Oct-10	0.2	4.2	M
12-Oct-10	1.3	4.7	M
13-Oct-10	2.1	4.2	M
14-Oct-10	0.5	3.0	M
15-Oct-10	-1.1	2.4	M
16-Oct-10	0.1	1.8	M
17-Oct-10	1.3	4.0	M
18-Oct-10	3.7	6.5	M
19-Oct-10	-1.1	4.3	M
20-Oct-10	-1.0	1.3	M
21-Oct-10	-1.9	2.2	M
22-Oct-10	-0.5	0.9	M
23-Oct-10	1.4	3.7	M
24-Oct-10	1.6	6.3	M
25-Oct-10	0.8	6.0	M
26-Oct-10	0.4	2.6	M
27-Oct-10	-2.0	4.3	M
28-Oct-10	-2.2	0.9	M
29-Oct-10	0.4	1.4	M
30-Oct-10	-0.2	2.4	M
31-Oct-10	-3.3	1.1	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Nov-10	1.1	1.9	M
2-Nov-10	0.7	1.3	M
3-Nov-10	3.2	3.8	M
4-Nov-10	3.8	5.4	M
5-Nov-10	-3.7	0.1	M
6-Nov-10	-3.1	0.1	M
7-Nov-10	-2.2	0.2	M
8-Nov-10	-2.9	0.9	M
9-Nov-10	-5.2	1.5	M
10-Nov-10	-5.7	-5.2	M
11-Nov-10	-3.7	-2.8	M
12-Nov-10	-0.2	0.1	M
13-Nov-10	1.6	0.8	M
14-Nov-10	1.7	4.1	M
15-Nov-10	-1.7	2.3	M
16-Nov-10	-7.3	-3.6	M
17-Nov-10	-8.5	-4.8	M
18-Nov-10	-11.1	-10.7	M
19-Nov-10	-10.5	-6.9	M
20-Nov-10	-8.6	-9.7	M
21-Nov-10	-9.2	-7.1	M
22-Nov-10	-13.7	-11.9	M
23-Nov-10	-6.8	-13.3	M
24-Nov-10	-3.2	-9.8	M
25-Nov-10	-2.9	-3.7	M
26-Nov-10	-3.6	-1.9	M
27-Nov-10	-5.4	-1.0	M
28-Nov-10	-7.7	-6.1	M
29-Nov-10	-5.8	-2.2	M
30-Nov-10	-4.4	-1.9	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Dec-10	-6.2	-2.4	M
2-Dec-10	-6.6	-3.2	M
3-Dec-10	-7.0	-4.6	M
4-Dec-10	-7.6	-6.4	M
5-Dec-10	-10.0	-7.3	M
6-Dec-10	-2.2	-6.2	M
7-Dec-10	-1.3	-6.4	M
8-Dec-10	-1.9	-1.2	M
9-Dec-10	-3.3	-5.0	M
10-Dec-10	-4.2	-5.7	M
11-Dec-10	-3.9	-3.2	M
12-Dec-10	-4.1	-4.3	M
13-Dec-10	-4.7	-2.2	M
14-Dec-10	-3.7	-3.0	M
15-Dec-10	-4.5	-0.7	M
16-Dec-10	-5.4	-7.8	M
17-Dec-10	-9.1	-11.1	M
18-Dec-10	-7.2	-7.3	M
19-Dec-10	-10.7	-7.7	M
20-Dec-10	-12.3	-16.1	M
21-Dec-10	-8.8	-12.6	M
22-Dec-10	-4.3	-6.1	M
23-Dec-10	-2.7	-1.2	M
24-Dec-10	-4.2	-2.7	M
25-Dec-10	-4.5	-0.6	M
26-Dec-10	-4.7	-2.6	M
27-Dec-10	-5.1	-3.7	M
28-Dec-10	-9.7	-5.9	M
29-Dec-10	-12.4	-1.9	M
30-Dec-10	-9.6	-14.1	M
31-Dec-10	-4.4	-10.4	M

Appendix 3. Daily Maximum Air Temperature (°C)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jan-11	-4.4	-6.8	M
2-Jan-11	-3.3	-3.5	M
3-Jan-11	-2.8	-5.2	M
4-Jan-11	0.5	-3.0	M
5-Jan-11	-1.8	-1.1	M
6-Jan-11	-2.6	-1.8	M
7-Jan-11	-5.8	-3.6	M
8-Jan-11	-8.2	-6.0	M
9-Jan-11	-8.7	-9.4	M
10-Jan-11	-11.1	-12.1	M
11-Jan-11	-15.2	-12.4	M
12-Jan-11	-15.7	-11.6	M
13-Jan-11	-19.0	-15.0	M
14-Jan-11	-22.1	-18.8	M
15-Jan-11	-17.0	-18.2	M
16-Jan-11	-8.6	-15.6	M
17-Jan-11	-7.2	-9.1	M
18-Jan-11	-4.2	-5.4	M
19-Jan-11	-3.6	-3.4	M
20-Jan-11	0.6	0.6	M
21-Jan-11	-1.0	0.0	M
22-Jan-11	0.5	0.2	M
23-Jan-11	-2.3	-0.5	M
24-Jan-11	0.0	-0.3	M
25-Jan-11	0.7	0.0	M
26-Jan-11	1.9	0.2	M
27-Jan-11	-2.5	-0.4	M
28-Jan-11	-6.6	-2.5	M
29-Jan-11	-7.8	-4.8	M
30-Jan-11	-9.8	-7.0	M
31-Jan-11	-11.9	-10.3	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Feb-11	-1.3	-8.9	M
2-Feb-11	0.8	-3.8	M
3-Feb-11	1.5	-0.5	M
4-Feb-11	0.5	1.3	M
5-Feb-11	-7.2	-3.0	M
6-Feb-11	-7.5	-3.0	M
7-Feb-11	-4.2	-2.4	M
8-Feb-11	-6.4	-7.7	M
9-Feb-11	-3.1	-6.2	M
10-Feb-11	-1.0	0.4	M
11-Feb-11	-1.8	-0.5	M
12-Feb-11	-2.7	-0.2	M
13-Feb-11	-4.0	-0.7	M
14-Feb-11	-5.4	-2.3	M
15-Feb-11	-7.8	-4.1	M
16-Feb-11	-13.7	-13.0	M
17-Feb-11	-14.3	-13.0	M
18-Feb-11	-16.2	-12.6	M
19-Feb-11	-9.2	-15.1	M
20-Feb-11	-6.4	-7.7	M
21-Feb-11	-9.0	1.5	M
22-Feb-11	-12.9	-7.1	M
23-Feb-11	-15.6	-11.3	M
24-Feb-11	-8.4	-10.4	M
25-Feb-11	-1.7	-11.0	M
26-Feb-11	-3.6	-2.7	M
27-Feb-11	-12.5	-7.9	M
28-Feb-11	-23.0	-18.2	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Mar-11	-20.6	-15.6	M
2-Mar-11	-14.0	-8.8	M
3-Mar-11	-12.7	-7.4	M
4-Mar-11	-9.1	-4.2	M
5-Mar-11	-8.8	-2.0	M
6-Mar-11	-8.8	-3.2	M
7-Mar-11	-12.9	-5.2	M
8-Mar-11	-7.9	-5.8	M
9-Mar-11	-6.1	-0.9	M
10-Mar-11	-4.9	-3.8	M
11-Mar-11	-3.7	-3.5	M
12-Mar-11	-4.4	-3.0	M
13-Mar-11	-3.7	-0.3	M
14-Mar-11	-1.0	0.6	M
15-Mar-11	-2.5	2.3	M
16-Mar-11	-1.3	2.2	M
17-Mar-11	-5.4	2.8	M
18-Mar-11	-4.4	2.2	M
19-Mar-11	-3.0	3.9	M
20-Mar-11	-4.1	3.4	M
21-Mar-11	-5.6	2.1	M
22-Mar-11	-4.5	1.6	M
23-Mar-11	-2.8	5.7	M
24-Mar-11	-1.7	6.8	M
25-Mar-11	-0.6	7.8	M
26-Mar-11	0.9	8.8	M
27-Mar-11	0.8	7.7	M
28-Mar-11	-1.3	4.1	M
29-Mar-11	-0.8	4.6	M
30-Mar-11	-0.3	1.8	M
31-Mar-11	-0.8	2.7	M

**Appendix 3. Daily Maximum Air Temperature (°C)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Apr-11	-1.6	3.5	M
2-Apr-11	1.4	5.9	M
3-Apr-11	-3.2	-0.6	M
4-Apr-11	-0.4	3.3	M
5-Apr-11	-5.4	2.9	M
6-Apr-11	1.5	5.1	M
7-Apr-11	-1.1	4.2	M
8-Apr-11	-2.0	2.9	M
9-Apr-11	-1.5	4.6	M
10-Apr-11	-1.1	3.8	M
11-Apr-11	-4.7	1.8	M
12-Apr-11	-3.8	2.5	M
13-Apr-11	-2.4	4.0	M
14-Apr-11	-0.2	3.2	M
15-Apr-11	-2.2	4.4	M
16-Apr-11	-1.1	4.5	M
17-Apr-11	0.2	2.7	M
18-Apr-11	2.7	4.8	M
19-Apr-11	-0.8	4.8	M
20-Apr-11	-2.7	4.8	M
21-Apr-11	-2.6	5.0	M
22-Apr-11	-0.9	5.9	M
23-Apr-11	-1.3	6.7	M
24-Apr-11	1.9	9.6	M
25-Apr-11	6.0	9.2	M
26-Apr-11	1.1	7.6	M
27-Apr-11	5.7	10.0	M
28-Apr-11	5.0	11.0	M
29-Apr-11	1.1	9.6	M
30-Apr-11	-0.6	6.2	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-May-11	-2.4	2.5	M
2-May-11	0.0	5.1	M
3-May-11	1.6	6.2	M
4-May-11	-1.1	2.8	M
5-May-11	0.5	7.0	M
6-May-11	2.0	10.1	M
7-May-11	5.5	13.4	M
8-May-11	6.9	11.6	M
9-May-11	5.3	9.5	M
10-May-11	2.8	8.1	M
11-May-11	0.9	9.1	M
12-May-11	3.4	8.7	M
13-May-11	4.0	13.5	M
14-May-11	6.6	15.8	M
15-May-11	8.7	17.9	M
16-May-11	8.7	12.1	M
17-May-11	0.9	9.3	M
18-May-11	5.7	6.1	M
19-May-11	5.8	12.8	M
20-May-11	9.7	19.3	M
21-May-11	7.9	14.3	M
22-May-11	3.0	11.0	M
23-May-11	5.8	10.1	M
24-May-11	4.9	8.4	M
25-May-11	7.6	14.3	M
26-May-11	7.4	13.3	M
27-May-11	8.0	11.1	M
28-May-11	10.6	18.1	M
29-May-11	10.6	18.4	M
30-May-11	13.7	22.1	M
31-May-11	12.3	21.5	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jun-11	12.9	21.1	M
2-Jun-11	7.3	14.2	M
3-Jun-11	5.2	14.0	M
4-Jun-11	4.1	8.9	M
5-Jun-11	6.2	15.5	M
6-Jun-11	6.4	13.1	M
7-Jun-11	12.7	20.8	M
8-Jun-11	10.9	17.1	M
9-Jun-11	6.4	14.9	M
10-Jun-11	5.9	14.3	M
11-Jun-11	6.8	15.0	M
12-Jun-11	6.5	13.9	M
13-Jun-11	7.7	16.8	M
14-Jun-11	5.9	14.7	M
15-Jun-11	7.5	15.7	M
16-Jun-11	9.9	18.3	M
17-Jun-11	9.5	16.5	M
18-Jun-11	5.4	12.2	M
19-Jun-11	5.5	13.0	M
20-Jun-11	6.9	15.7	M
21-Jun-11	8.4	17.1	M
22-Jun-11	11.4	19.0	M
23-Jun-11	5.1	10.7	M
24-Jun-11	4.9	10.5	M
25-Jun-11	7.1	16.7	M
26-Jun-11	10.5	18.6	M
27-Jun-11	14.7	21.4	M
28-Jun-11	8.5	13.1	M
29-Jun-11	3.9	11.4	M
30-Jun-11	4.6	12.7	M



**Appendix 3. Daily Maximum Air Temperature (°C)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jul-11	2.9	8.4	M
2-Jul-11	4.3	10.0	M
3-Jul-11	3.0	9.3	M
4-Jul-11	2.7	9.3	M
5-Jul-11	7.5	13.6	M
6-Jul-11	9.2	15.8	M
7-Jul-11	4.9	13.8	M
8-Jul-11	5.6	12.6	M
9-Jul-11	6.3	14.0	M
10-Jul-11	11.6	19.2	M
11-Jul-11	15.1	21.7	M
12-Jul-11	18.7	26.3	M
13-Jul-11	18.8	26.7	M
14-Jul-11	11.3	19.3	M
15-Jul-11	8.7	15.2	M
16-Jul-11	13.1	19.7	M
17-Jul-11	14.2	22.0	M
18-Jul-11	8.1	15.0	M
19-Jul-11	7.3	17.5	M
20-Jul-11	6.4	9.9	M
21-Jul-11	10.8	15.2	M
22-Jul-11	11.7	17.7	M
23-Jul-11	12.7	19.7	M
24-Jul-11	10.3	16.1	M
25-Jul-11	8.2	14.9	M
26-Jul-11	5.3	14.4	M
27-Jul-11	5.1	8.5	M
28-Jul-11	7.5	11.7	M
29-Jul-11	7.6	14.1	M
30-Jul-11	7.7	14.7	M
31-Jul-11	5.6	15.8	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Aug-11	6.4	15.7	M
2-Aug-11	12.3	18.9	M
3-Aug-11	13.2	19.7	M
4-Aug-11	8.6	12.3	M
5-Aug-11	5.7	16.0	M
6-Aug-11	8.9	17.7	M
7-Aug-11	12.4	19.9	M
8-Aug-11	12.0	19.4	M
9-Aug-11	13.0	20.9	M
10-Aug-11	13.1	20.2	M
11-Aug-11	6.7	13.5	M
12-Aug-11	7.8	14.6	M
13-Aug-11	7.1	12.0	12.3
14-Aug-11	5.3	11.0	10.8
15-Aug-11	5.0	8.5	9.8
16-Aug-11	7.1	8.2	9.0
17-Aug-11	5.2	12.9	12.9
18-Aug-11	6.8	14.1	15.5
19-Aug-11	7.8	8.9	9.1
20-Aug-11	12.4	13.2	13.8
21-Aug-11	9.0	12.2	12.4
22-Aug-11	6.7	12.0	11.9
23-Aug-11	5.6	8.8	9.2
24-Aug-11	6.4	10.8	12.0
25-Aug-11	8.0	13.5	15.1
26-Aug-11	6.1	10.9	12.0
27-Aug-11	7.5	13.1	13.6
28-Aug-11	8.1	10.7	12.2
29-Aug-11	5.3	13.2	14.5
30-Aug-11	6.0	13.3	14.1
31-Aug-11	6.3	15.0	15.5

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Sep-11	4.8	12.8	13.1
2-Sep-11	6.3	10.4	11.2
3-Sep-11	8.4	10.2	11.3
4-Sep-11	7.9	11.8	13.2
5-Sep-11	7.0	9.0	8.9
6-Sep-11	11.0	11.9	12.7
7-Sep-11	10.2	11.0	12.4
8-Sep-11	14.0	14.4	16.2
9-Sep-11	13.5	16.6	17.3
10-Sep-11	9.0	15.5	15.8
11-Sep-11	10.3	16.4	17.6
12-Sep-11	11.9	15.7	17.9
13-Sep-11	10.9	16.1	16.0
14-Sep-11	8.5	11.3	11.9
15-Sep-11	6.0	14.2	14.2
16-Sep-11	3.5	9.0	9.4
17-Sep-11	4.3	9.3	10.5
18-Sep-11	3.2	7.0	7.6
19-Sep-11	4.3	8.4	9.5
20-Sep-11	5.3	9.1	8.4
21-Sep-11	6.4	9.6	9.0
22-Sep-11	2.3	7.1	8.3
23-Sep-11	3.3	6.7	6.4
24-Sep-11	2.1	6.5	7.8
25-Sep-11	1.9	6.5	6.8
26-Sep-11	0.5	4.5	5.0
27-Sep-11	1.5	4.7	5.2
28-Sep-11	1.5	6.6	7.6
29-Sep-11	1.0	3.9	4.2
30-Sep-11	2.1	5.5	7.2

Appendix 3. Daily Maximum Air Temperature (°C)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Oct-11	-0.4	5.6	6.4
2-Oct-11	0.3	7.4	6.8
3-Oct-11	1.4	5.4	5.0
4-Oct-11	3.2	9.0	9.6
5-Oct-11	4.5	10.5	11.1
6-Oct-11	3.7	4.9	4.8
7-Oct-11	1.1	7.9	8.4
8-Oct-11	0.0	3.0	3.2
9-Oct-11	0.9	5.0	7.0
10-Oct-11	0.7	5.5	5.5
11-Oct-11	1.4	6.1	5.9
12-Oct-11	2.7	5.9	7.6
13-Oct-11	0.7	4.6	5.5
14-Oct-11	-0.7	4.3	5.3
15-Oct-11	-2.6	1.6	2.2
16-Oct-11	-1.6	1.9	1.7
17-Oct-11	2.6	3.0	3.9
18-Oct-11	4.9	6.3	6.8
19-Oct-11	1.0	4.2	6.0
20-Oct-11	-2.7	2.9	3.7
21-Oct-11	-0.2	0.9	0.6
22-Oct-11	0.0	0.9	1.7
23-Oct-11	-1.3	0.8	2.0
24-Oct-11	-1.2	2.3	3.8
25-Oct-11	-1.1	1.4	1.6
26-Oct-11	-1.1	1.1	0.8
27-Oct-11	-0.7	2.0	2.0
28-Oct-11	-1.0	0.5	0.6
29-Oct-11	0.2	0.5	1.1
30-Oct-11	0.0	0.1	1.2
31-Oct-11	-1.4	1.6	1.6

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Nov-11	-1.1	0.2	0.3
2-Nov-11	-1.9	0.0	0.1
3-Nov-11	-6.7	-4.3	-3.3
4-Nov-11	-6.4	-5.9	-4.8
5-Nov-11	-3.7	-1.3	-1.8
6-Nov-11	-2.3	-1.2	-0.9
7-Nov-11	-3.2	-0.2	0.1
8-Nov-11	-4.1	0.0	-0.2
9-Nov-11	-4.1	-1.1	0.0
10-Nov-11	-3.4	-1.6	-1.2
11-Nov-11	-3.7	2.9	1.9
12-Nov-11	-1.7	-0.7	-0.5
13-Nov-11	-3.6	-0.6	-0.7
14-Nov-11	-8.4	-5.0	-4.7
15-Nov-11	-5.5	-3.9	-3.5
16-Nov-11	-5.8	-2.2	-2.7
17-Nov-11	-6.1	-2.9	-1.6
18-Nov-11	-11.5	-8.2	-7.9
19-Nov-11	-17.8	-12.8	-12.7
20-Nov-11	-14.5	-14.5	-14.3
21-Nov-11	-7.2	-8.7	-7.5
22-Nov-11	-5.5	-4.2	-3.4
23-Nov-11	-6.1	-3.7	-3.1
24-Nov-11	-6.3	-3.6	-3.0
25-Nov-11	-7.5	-5.1	-4.4
26-Nov-11	-2.1	-1.3	-0.5
27-Nov-11	-5.6	-0.6	-0.9
28-Nov-11	-1.5	-2.3	-1.6
29-Nov-11	-3.8	-2.7	-2.1
30-Nov-11	0.9	-5.6	-7.0

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Dec-11	1.1	0.9	-1.7
2-Dec-11	-2.5	0.4	-1.3
3-Dec-11	-1.9	4.0	2.0
4-Dec-11	0.4	-2.8	-2.2
5-Dec-11	5.4	2.9	2.4
6-Dec-11	-4.2	0.5	1.5
7-Dec-11	-7.5	-6.3	-7.3
8-Dec-11	-4.2	-6.8	-5.9
9-Dec-11	-3.8	-6.2	-5.8
10-Dec-11	-4.2	-2.7	-3.1
11-Dec-11	-7.0	-4.2	-4.3
12-Dec-11	-4.0	-7.0	-6.2
13-Dec-11	-7.9	-3.1	-4.9
14-Dec-11	-9.6	-9.7	-9.2
15-Dec-11	-6.6	-10.9	-10.9
16-Dec-11	-2.7	-6.4	-7.3
17-Dec-11	-2.8	-2.4	-3.1
18-Dec-11	-4.5	-7.0	-6.1
19-Dec-11	1.2	-2.0	-0.8
20-Dec-11	-2.0	0.2	-0.4
21-Dec-11	-5.5	-3.6	-4.5
22-Dec-11	-2.9	-1.4	-2.4
23-Dec-11	-1.2	-0.4	-0.7
24-Dec-11	-0.6	-1.3	-0.6
25-Dec-11	-3.6	-1.0	-0.8
26-Dec-11	-3.7	-1.8	-1.4
27-Dec-11	-8.2	-3.8	-1.6
28-Dec-11	-2.0	-3.4	-2.2
29-Dec-11	-3.5	-2.4	-1.6
30-Dec-11	-8.9	-5.0	-6.0
31-Dec-11	-9.7	-6.9	-7.7

Appendix 3. Daily Maximum Air Temperature (°C)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jan-12	-4.5	-4.6	-5.5
2-Jan-12	-1.3	-1.1	-1.4
3-Jan-12	1.6	-2.0	-0.1
4-Jan-12	1.2	2.0	1.0
5-Jan-12	-2.7	-0.5	0.0
6-Jan-12	-3.6	-4.9	-4.1
7-Jan-12	1.6	-1.4	-0.6
8-Jan-12	0.8	0.0	0.4
9-Jan-12	-4.7	-0.5	-0.1
10-Jan-12	-11.6	-6.9	-6.2
11-Jan-12	-5.6	-9.6	-8.6
12-Jan-12	-2.9	-6.3	-4.2
13-Jan-12	-6.9	-4.2	-3.3
14-Jan-12	-10.0	-6.2	-6.0
15-Jan-12	-16.3	-11.1	-9.2
16-Jan-12	-23.6	-21.2	-20.0
17-Jan-12	-26.9	-25.7	-23.2
18-Jan-12	-21.3	-21.1	-22.5
19-Jan-12	-22.0	-24.1	-24.3
20-Jan-12	-14.4	-18.6	-18.7
21-Jan-12	-6.9	-13.3	-11.7
22-Jan-12	-7.4	-7.3	-6.3
23-Jan-12	-6.6	-6.0	-4.6
24-Jan-12	-2.7	-2.7	-0.7
25-Jan-12	-2.1	-1.4	-0.4
26-Jan-12	-7.7	-5.8	-5.9
27-Jan-12	-5.6	-6.0	-4.4
28-Jan-12	-4.8	-6.1	-4.4
29-Jan-12	-1.7	-3.3	-1.3
30-Jan-12	-2.3	-1.6	-0.6
31-Jan-12	-2.9	-1.0	-0.7

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Feb-12	-3.5	-1.3	-1.1
2-Feb-12	1.7	-0.5	1.0
3-Feb-12	1.0	3.3	2.0
4-Feb-12	0.4	0.6	0.3
5-Feb-12	0.5	3.8	2.3
6-Feb-12	-2.4	4.0	2.1
7-Feb-12	-1.9	-0.1	3.3
8-Feb-12	-2.2	-0.6	-0.3
9-Feb-12	-0.5	2.2	-0.6
10-Feb-12	-1.7	2.8	2.4
11-Feb-12	-1.1	0.3	0.5
12-Feb-12	-1.7	1.8	3.2
13-Feb-12	-6.9	-2.1	1.1
14-Feb-12	-1.2	-2.2	-1.5
15-Feb-12	-4.6	-4.9	-4.5
16-Feb-12	-1.7	-2.8	-2.1
17-Feb-12	-3.1	-1.6	0.9
18-Feb-12	-5.3	0.0	1.5
19-Feb-12	-7.3	-1.8	-1.9
20-Feb-12	-1.0	-2.6	-2.2
21-Feb-12	-2.9	1.9	-0.4
22-Feb-12	-3.9	1.0	2.0
23-Feb-12	-4.6	-0.4	1.1
24-Feb-12	-8.5	-5.6	-4.1
25-Feb-12	-9.5	-4.0	-2.9
26-Feb-12	-9.5	-7.2	-7.2
27-Feb-12	-9.9	-7.8	-7.2
28-Feb-12	-8.4	-1.2	-1.8
29-Feb-12	-7.6	-2.4	-1.7

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Mar-12	-6.8	-3.4	-2.6
2-Mar-12	-3.7	-1.5	-0.4
3-Mar-12	-5.3	-0.7	0.5
4-Mar-12	-7.0	-2.9	-0.6
5-Mar-12	-7.9	-3.0	-3.1
6-Mar-12	-3.3	-5.0	-4.4
7-Mar-12	-1.5	-0.1	1.2
8-Mar-12	-1.2	0.2	0.0
9-Mar-12	-2.3	1.1	-0.1
10-Mar-12	-5.2	-0.9	-1.7
11-Mar-12	-4.6	1.7	0.1
12-Mar-12	-6.8	-1.7	-1.2
13-Mar-12	-7.9	-0.4	0.7
14-Mar-12	-7.2	-1.8	-1.7
15-Mar-12	-3.9	2.5	2.3
16-Mar-12	-3.6	2.3	3.3
17-Mar-12	-5.9	2.4	2.7
18-Mar-12	-6.2	0.4	1.2
19-Mar-12	-8.2	-0.8	0.7
20-Mar-12	-7.0	-0.3	0.7
21-Mar-12	-2.9	-0.4	1.9
22-Mar-12	-5.6	2.0	3.8
23-Mar-12	-5.9	-1.3	-0.2
24-Mar-12	-7.4	0.1	1.4
25-Mar-12	-7.2	0.8	2.8
26-Mar-12	-2.0	2.2	4.1
27-Mar-12	0.7	8.5	9.4
28-Mar-12	0.8	5.6	4.3
29-Mar-12	-1.4	5.6	5.3
30-Mar-12	-4.1	3.4	5.1
31-Mar-12	-5.7	3.1	4.4

**Appendix 3. Daily Maximum Air Temperature (°C)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Apr-12	-4.2	3.3	4.4
2-Apr-12	-2.6	1.6	0.9
3-Apr-12	-4.2	4.3	5.7
4-Apr-12	-0.9	6.4	5.6
5-Apr-12	1.3	6.9	7.2
6-Apr-12	1.2	7.4	7.6
7-Apr-12	2.1	7.0	7.3
8-Apr-12	3.2	11.5	12.9
9-Apr-12	3.9	12.9	13.8
10-Apr-12	2.5	9.9	12.2
11-Apr-12	4.1	9.7	12.1
12-Apr-12	2.1	6.7	8.9
13-Apr-12	0.6	9.3	9.2
14-Apr-12	0.4	4.9	4.4
15-Apr-12	0.7	8.6	10.6
16-Apr-12	2.6	10.0	12.0
17-Apr-12	0.4	8.3	9.1
18-Apr-12	1.1	9.3	9.4
19-Apr-12	-1.2	6.9	6.3
20-Apr-12	-0.4	3.7	5.2
21-Apr-12	-1.6	7.5	8.0
22-Apr-12	1.8	10.1	11.1
23-Apr-12	4.1	8.4	8.9
24-Apr-12	0.6	8.8	10.2
25-Apr-12	2.9	9.5	10.3
26-Apr-12	5.1	7.4	7.3
27-Apr-12	-0.7	3.1	4.9
28-Apr-12	-0.3	4.3	4.8
29-Apr-12	-0.9	4.8	4.4
30-Apr-12	4.3	9.4	10.3

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-May-12	6.6	6.1	8.1
2-May-12	-0.9	7.4	8.2
3-May-12	3.9	9.2	9.9
4-May-12	4.3	6.0	6.4
5-May-12	1.5	5.3	8.0
6-May-12	0.0	3.1	2.9
7-May-12	0.8	5.6	3.9
8-May-12	0.9	5.6	6.5
9-May-12	-1.6	4.4	4.8
10-May-12	-0.4	4.8	6.7
11-May-12	0.4	5.7	5.9
12-May-12	0.1	6.6	9.6
13-May-12	1.0	8.4	9.0
14-May-12	4.3	10.5	12.0
15-May-12	0.4	7.2	8.2
16-May-12	-1.1	5.7	5.4
17-May-12	2.4	9.4	8.4
18-May-12	3.9	10.0	9.4
19-May-12	2.4	10.6	12.0
20-May-12	2.4	10.8	12.0
21-May-12	3.6	10.3	9.8
22-May-12	2.8	9.7	9.3
23-May-12	6.2	12.7	12.9
24-May-12	10.1	17.2	17.7
25-May-12	9.7	17.2	19.0
26-May-12	7.3	14.0	16.5
27-May-12	3.6	12.4	13.9
28-May-12	3.6	12.8	13.7
29-May-12	2.3	10.5	12.4
30-May-12	2.5	7.8	8.0
31-May-12	4.6	10.2	12.9

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jun-12	2.1	7.9	8.4
2-Jun-12	4.5	10.2	11.0
3-Jun-12	4.4	12.0	11.9
4-Jun-12	10.5	16.6	17.6
5-Jun-12	6.8	10.4	11.8
6-Jun-12	2.7	10.1	9.4
7-Jun-12	3.3	6.6	6.9
8-Jun-12	4.8	14.2	13.2
9-Jun-12	6.2	12.3	13.0
10-Jun-12	6.1	13.7	14.6
11-Jun-12	7.0	12.8	14.3
12-Jun-12	4.6	12.9	13.4
13-Jun-12	3.0	11.4	10.3
14-Jun-12	4.2	11.9	13.2
15-Jun-12	3.7	12.0	13.3
16-Jun-12	5.1	9.8	9.3
17-Jun-12	4.9	14.3	13.5
18-Jun-12	6.7	15.3	15.3
19-Jun-12	5.8	13.2	12.2
20-Jun-12	7.0	12.9	15.2
21-Jun-12	10.2	17.8	18.9
22-Jun-12	14.9	23.8	24.4
23-Jun-12	16.0	25.4	25.6
24-Jun-12	14.2	22.3	22.4
25-Jun-12	3.6	9.6	9.7
26-Jun-12	2.5	9.4	7.7
27-Jun-12	4.0	9.0	10.2
28-Jun-12	4.8	11.1	11.6
29-Jun-12	6.8	14.6	15.1
30-Jun-12	4.6	12.7	13.2

**Appendix 3. Daily Maximum Air Temperature (°C)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jul-12	3.3	11.0	11.8
2-Jul-12	6.7	14.0	15.1
3-Jul-12	7.0	14.4	14.7
4-Jul-12	6.6	14.8	14.2
5-Jul-12	8.4	16.7	17.8
6-Jul-12	10.0	18.8	19.8
7-Jul-12	9.0	12.2	14.0
8-Jul-12	9.0	13.6	15.7
9-Jul-12	12.0	20.8	20.9
10-Jul-12	8.3	15.8	17.3
11-Jul-12	10.5	18.2	19.0
12-Jul-12	13.7	21.2	22.0
13-Jul-12	14.1	22.4	22.2
14-Jul-12	9.8	19.5	19.3
15-Jul-12	16.3	25.1	25.2
16-Jul-12	14.2	22.4	22.1
17-Jul-12	10.3	18.0	18.3
18-Jul-12	5.2	15.1	15.0
19-Jul-12	10.1	10.6	11.6
20-Jul-12	15.9	23.7	24.0
21-Jul-12	8.8	11.8	13.5
22-Jul-12	12.0	19.1	19.4
23-Jul-12	9.2	18.8	19.3
24-Jul-12	11.3	18.9	19.7
25-Jul-12	17.6	24.5	24.8
26-Jul-12	17.1	25.3	25.7
27-Jul-12	13.1	20.8	20.0
28-Jul-12	10.9	17.9	18.0
29-Jul-12	9.6	16.4	16.6
30-Jul-12	6.9	13.3	14.0
31-Jul-12	5.5	10.5	11.3

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Aug-12	8.8	16.1	16.8
2-Aug-12	6.9	13.2	12.7
3-Aug-12	7.6	13.5	14.8
4-Aug-12	11.1	19.1	19.3
5-Aug-12	11.2	20.4	20.8
6-Aug-12	15.0	22.9	23.5
7-Aug-12	15.7	23.3	24.4
8-Aug-12	12.9	18.1	18.3
9-Aug-12	6.0	10.8	11.6
10-Aug-12	6.4	15.0	15.6
11-Aug-12	9.5	13.4	15.6
12-Aug-12	10.4	16.2	16.3
13-Aug-12	7.0	10.8	12.0
14-Aug-12	13.4	20.4	21.7
15-Aug-12	15.9	22.1	22.5
16-Aug-12	16.6	22.6	23.6
17-Aug-12	16.9	23.6	25.6
18-Aug-12	15.1	22.9	22.8
19-Aug-12	17.7	23.6	23.5
20-Aug-12	13.2	21.2	21.4
21-Aug-12	11.7	16.7	17.1
22-Aug-12	7.5	15.0	15.8
23-Aug-12	3.9	8.3	9.5
24-Aug-12	7.3	11.9	12.0
25-Aug-12	9.2	15.8	17.1
26-Aug-12	13.8	20.8	22.4
27-Aug-12	14.4	18.5	20.4
28-Aug-12	5.8	9.7	10.9
29-Aug-12	6.3	11.0	11.7
30-Aug-12	9.7	15.5	16.4
31-Aug-12	9.7	15.8	16.6

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Sep-12	9.7	15.3	16.5
2-Sep-12	5.4	12.2	14.0
3-Sep-12	5.0	8.6	9.5
4-Sep-12	7.9	13.5	15.5
5-Sep-12	9.5	15.8	16.8
6-Sep-12	9.6	16.6	17.3
7-Sep-12	12.3	16.9	18.4
8-Sep-12	11.5	15.8	17.7
9-Sep-12	10.1	14.0	14.1
10-Sep-12	2.3	8.6	9.8
11-Sep-12	1.4	5.3	6.5
12-Sep-12	5.3	6.4	7.8
13-Sep-12	8.1	9.3	10.5
14-Sep-12	5.1	10.0	11.5
15-Sep-12	5.7	12.6	13.1
16-Sep-12	11.1	13.6	15.6
17-Sep-12	10.3	9.4	11.1
18-Sep-12	10.4	12.6	13.6
19-Sep-12	13.7	18.7	18.3
20-Sep-12	17.4	18.9	20.5
21-Sep-12	15.2	18.2	19.3
22-Sep-12	13.0	13.4	12.6
23-Sep-12	7.8	9.2	9.6
24-Sep-12	4.6	11.7	12.2
25-Sep-12	5.1	9.2	10.1
26-Sep-12	6.4	8.4	8.5
27-Sep-12	7.2	9.2	10.3
28-Sep-12	2.7	5.8	7.6
29-Sep-12	1.7	5.6	6.6
30-Sep-12	1.6	5.0	6.3

Appendix 3. Daily Maximum Air Temperature (°C)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Oct-12	1.7	7.3	8.5
2-Oct-12	1.1	6.6	7.3
3-Oct-12	2.1	4.5	5.4
4-Oct-12	7.3	9.3	9.9
5-Oct-12	12.6	15.2	14.3
6-Oct-12	15.0	15.3	14.9
7-Oct-12	12.1	18.8	18.6
8-Oct-12	14.2	15.2	15.1
9-Oct-12	11.1	12.1	13.5
10-Oct-12	5.9	11.2	10.2
11-Oct-12	2.1	5.3	4.7
12-Oct-12	5.4	2.9	3.1
13-Oct-12	3.0	5.4	6.4
14-Oct-12	4.0	5.5	5.0
15-Oct-12	4.0	5.0	4.9
16-Oct-12	-0.4	3.7	5.4
17-Oct-12	-1.9	1.1	0.9
18-Oct-12	-2.1	2.8	1.9
19-Oct-12	-4.5	0.0	1.6
20-Oct-12	-5.1	0.0	0.9
21-Oct-12	-5.4	-0.8	-0.5
22-Oct-12	-6.8	-1.5	0.1
23-Oct-12	-6.6	-0.9	0.4
24-Oct-12	-6.7	-1.5	-1.2
25-Oct-12	-7.2	-2.4	-1.9
26-Oct-12	-7.9	-2.7	-2.2
27-Oct-12	-8.9	-4.4	-3.8
28-Oct-12	-9.6	-6.7	-5.8
29-Oct-12	-7.5	-6.8	-6.5
30-Oct-12	-11.5	-6.3	-5.4
31-Oct-12	-10.3	-5.1	-4.0

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Nov-12	-5.0	-2.6	-1.9
2-Nov-12	-1.7	-1.3	-1.0
3-Nov-12	-0.9	-0.3	0.1
4-Nov-12	1.3	2.7	2.0
5-Nov-12	0.4	1.8	2.6
6-Nov-12	-2.5	1.5	1.4
7-Nov-12	-3.4	0.0	0.5
8-Nov-12	-4.7	-1.2	-0.7
9-Nov-12	-8.1	-6.6	-3.9
10-Nov-12	-8.4	-7.7	-6.4
11-Nov-12	-7.2	-5.9	-5.6
12-Nov-12	-3.7	-2.9	-2.3
13-Nov-12	-2.6	-1.6	-1.4
14-Nov-12	-0.1	-0.5	0.1
15-Nov-12	-1.9	0.9	0.6
16-Nov-12	-2.9	1.0	0.1
17-Nov-12	-2.7	-0.9	-0.2
18-Nov-12	-3.2	-3.2	-3.7
19-Nov-12	-3.5	-2.2	-2.2
20-Nov-12	M	-7.1	-4.7
21-Nov-12	-9.8	-8.4	-6.2
22-Nov-12	-5.7	-3.4	-5.0
23-Nov-12	-4.9	-3.2	-2.5
24-Nov-12	-2.5	-1.5	-1.0
25-Nov-12	-3.4	-0.7	-0.8
26-Nov-12	-4.5	-0.7	-1.2
27-Nov-12	-5.9	-4.0	-5.3
28-Nov-12	-5.7	-5.7	-4.4
29-Nov-12	-6.0	-7.4	-5.4
30-Nov-12	-5.9	-11.2	-8.7

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Dec-12	-9.7	-11.3	-9.5
2-Dec-12	-9.8	-10.6	-8.1
3-Dec-12	-6.9	-5.3	-5.9
4-Dec-12	-4.6	-2.2	-2.2
5-Dec-12	-6.3	-3.9	-2.9
6-Dec-12	-7.3	-3.4	-4.2
7-Dec-12	-8.4	-5.2	-4.5
8-Dec-12	-11.5	-8.3	-8.5
9-Dec-12	-1.6	-4.3	-3.8
10-Dec-12	-1.1	-2.1	-0.7
11-Dec-12	-2.9	0.0	0.1
12-Dec-12	-5.0	-5.1	-2.9
13-Dec-12	-1.9	-3.9	-2.1
14-Dec-12	-4.7	-3.4	-3.3
15-Dec-12	-5.7	-2.5	-2.5
16-Dec-12	-8.0	-4.3	-3.6
17-Dec-12	-9.8	-6.1	-5.2
18-Dec-12	-10.3	-8.4	-7.5
19-Dec-12	-9.0	-6.6	-5.9
20-Dec-12	-8.4	-7.4	-6.3
21-Dec-12	-11.2	-12.1	-8.7
22-Dec-12	-13.5	-13.3	-12.3
23-Dec-12	-12.5	-12.4	-11.9
24-Dec-12	-13.3	-15.7	-12.9
25-Dec-12	-10.3	-13.4	-10.4
26-Dec-12	-9.3	-11.9	-12.4
27-Dec-12	-10.0	-14.4	-13.4
28-Dec-12	-4.9	-11.4	-10.8
29-Dec-12	-4.8	-8.9	-8.2
30-Dec-12	-1.6	-7.6	-6.2
31-Dec-12	-2.0	-4.1	-2.6

## Appendix 4

Daily Minimum Air Temperature (°C)

Appendix 4. Daily Minimum Air Temperature (°C)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Oct-09	M	M	M
2-Oct-09	M	M	M
3-Oct-09	M	M	M
4-Oct-09	M	M	M
5-Oct-09	M	M	M
6-Oct-09	M	M	M
7-Oct-09	M	M	M
8-Oct-09	M	M	M
9-Oct-09	M	M	M
10-Oct-09	M	M	M
11-Oct-09	M	M	M
12-Oct-09	M	M	M
13-Oct-09	-9.7	M	M
14-Oct-09	-6.6	M	M
15-Oct-09	-4.9	M	M
16-Oct-09	-0.6	M	M
17-Oct-09	-1.4	M	M
18-Oct-09	-1.3	M	M
19-Oct-09	-0.7	M	M
20-Oct-09	-2.0	M	M
21-Oct-09	-1.4	M	M
22-Oct-09	-0.5	M	M
23-Oct-09	-2.1	M	M
24-Oct-09	-2.8	M	M
25-Oct-09	-2.0	M	M
26-Oct-09	-3.4	M	M
27-Oct-09	-6.0	M	M
28-Oct-09	-7.4	M	M
29-Oct-09	-5.2	M	M
30-Oct-09	-3.1	M	M
31-Oct-09	-5.1	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Nov-09	-5.1	M	M
2-Nov-09	-5.1	M	M
3-Nov-09	-5.1	M	M
4-Nov-09	-4.8	M	M
5-Nov-09	-2.7	M	M
6-Nov-09	-4.1	M	M
7-Nov-09	-4.0	M	M
8-Nov-09	-5.3	M	M
9-Nov-09	-5.3	M	M
10-Nov-09	-5.4	M	M
11-Nov-09	-5.3	M	M
12-Nov-09	-7.3	M	M
13-Nov-09	-10.5	M	M
14-Nov-09	-7.5	M	M
15-Nov-09	-9.2	M	M
16-Nov-09	-9.2	M	M
17-Nov-09	-9.7	M	M
18-Nov-09	-9.4	M	M
19-Nov-09	-8.9	M	M
20-Nov-09	-7.9	M	M
21-Nov-09	-8.5	M	M
22-Nov-09	-9.4	M	M
23-Nov-09	-9.7	M	M
24-Nov-09	-6.8	M	M
25-Nov-09	-4.9	M	M
26-Nov-09	-10.3	M	M
27-Nov-09	-8.8	M	M
28-Nov-09	-7.7	M	M
29-Nov-09	-7.0	M	M
30-Nov-09	-9.4	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Dec-09	-13.2	M	M
2-Dec-09	-8.4	M	M
3-Dec-09	-7.9	M	M
4-Dec-09	-12.9	M	M
5-Dec-09	-11.5	M	M
6-Dec-09	-13.8	M	M
7-Dec-09	-8.2	M	M
8-Dec-09	-10.3	M	M
9-Dec-09	-8.6	M	M
10-Dec-09	-11.1	M	M
11-Dec-09	-13.4	M	M
12-Dec-09	-15.3	M	M
13-Dec-09	-20.2	M	M
14-Dec-09	-25.2	M	M
15-Dec-09	-25.2	M	M
16-Dec-09	-18.9	M	M
17-Dec-09	-9.8	M	M
18-Dec-09	-10.3	M	M
19-Dec-09	-14.8	M	M
20-Dec-09	-14.3	M	M
21-Dec-09	-16.3	M	M
22-Dec-09	-16.2	M	M
23-Dec-09	-17.1	M	M
24-Dec-09	-12.7	M	M
25-Dec-09	-8.4	M	M
26-Dec-09	-5.7	M	M
27-Dec-09	-6.6	M	M
28-Dec-09	-8.8	M	M
29-Dec-09	-13.1	M	M
30-Dec-09	-15.3	M	M
31-Dec-09	-19.4	M	M



Appendix 4. Daily Minimum Air Temperature (°C)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jan-10	-19.0	M	M
2-Jan-10	-20.0	M	M
3-Jan-10	-13.9	M	M
4-Jan-10	-12.5	M	M
5-Jan-10	-11.2	M	M
6-Jan-10	-12.0	M	M
7-Jan-10	-11.8	M	M
8-Jan-10	-8.1	M	M
9-Jan-10	-6.2	M	M
10-Jan-10	-5.0	M	M
11-Jan-10	-1.3	M	M
12-Jan-10	-2.2	M	M
13-Jan-10	-4.1	M	M
14-Jan-10	-5.8	M	M
15-Jan-10	-5.3	M	M
16-Jan-10	-5.2	M	M
17-Jan-10	-5.9	M	M
18-Jan-10	-5.8	M	M
19-Jan-10	-4.5	M	M
20-Jan-10	-3.0	M	M
21-Jan-10	-3.1	M	M
22-Jan-10	-2.9	M	M
23-Jan-10	-7.1	M	M
24-Jan-10	-9.2	M	M
25-Jan-10	-9.6	M	M
26-Jan-10	-9.9	M	M
27-Jan-10	-10.5	M	M
28-Jan-10	-8.8	M	M
29-Jan-10	-5.2	M	M
30-Jan-10	-4.0	M	M
31-Jan-10	-5.2	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Feb-10	-9.5	M	M
2-Feb-10	-10.4	M	M
3-Feb-10	-11.5	M	M
4-Feb-10	-12.3	M	M
5-Feb-10	-7.7	M	M
6-Feb-10	-4.4	M	M
7-Feb-10	-3.5	M	M
8-Feb-10	-7.5	M	M
9-Feb-10	-12.4	M	M
10-Feb-10	-10.3	M	M
11-Feb-10	-7.5	M	M
12-Feb-10	-6.8	M	M
13-Feb-10	-5.8	M	M
14-Feb-10	-4.0	M	M
15-Feb-10	-7.1	M	M
16-Feb-10	-4.6	M	M
17-Feb-10	-8.1	M	M
18-Feb-10	-5.9	M	M
19-Feb-10	1.8	M	M
20-Feb-10	-1.1	M	M
21-Feb-10	-6.1	M	M
22-Feb-10	-7.7	M	M
23-Feb-10	-4.9	M	M
24-Feb-10	-4.6	M	M
25-Feb-10	-4.5	M	M
26-Feb-10	-6.5	M	M
27-Feb-10	-7.1	M	M
28-Feb-10	-5.9	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Mar-10	-2.8	M	M
2-Mar-10	-6.5	M	M
3-Mar-10	-5.2	M	M
4-Mar-10	-5.8	M	M
5-Mar-10	-9.3	M	M
6-Mar-10	-6.5	M	M
7-Mar-10	-14.6	M	M
8-Mar-10	-14.4	M	M
9-Mar-10	-8.6	M	M
10-Mar-10	-14.2	M	M
11-Mar-10	-8.6	M	M
12-Mar-10	-13.2	M	M
13-Mar-10	-10.4	M	M
14-Mar-10	-5.9	M	M
15-Mar-10	-6.7	M	M
16-Mar-10	-7.9	M	M
17-Mar-10	-5.8	M	M
18-Mar-10	-8.9	M	M
19-Mar-10	-7.3	M	M
20-Mar-10	-7.0	M	M
21-Mar-10	-9.3	M	M
22-Mar-10	-4.0	M	M
23-Mar-10	-3.8	M	M
24-Mar-10	-2.1	M	M
25-Mar-10	-3.6	M	M
26-Mar-10	-4.1	M	M
27-Mar-10	-2.7	M	M
28-Mar-10	-3.9	M	M
29-Mar-10	-6.1	M	M
30-Mar-10	-8.8	M	M
31-Mar-10	-10.3	M	M

**Appendix 4. Daily Minimum Air Temperature (°C)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Apr-10	-8.9	M	M
2-Apr-10	-5.9	M	M
3-Apr-10	-10.1	M	M
4-Apr-10	-10.1	M	M
5-Apr-10	-7.9	M	M
6-Apr-10	-6.3	M	M
7-Apr-10	-8.3	M	M
8-Apr-10	-13.4	M	M
9-Apr-10	-14.8	M	M
10-Apr-10	-11.1	M	M
11-Apr-10	-8.3	M	M
12-Apr-10	-9.0	M	M
13-Apr-10	-10.6	M	M
14-Apr-10	-3.8	M	M
15-Apr-10	0.4	M	M
16-Apr-10	-0.7	M	M
17-Apr-10	-1.1	M	M
18-Apr-10	-1.6	M	M
19-Apr-10	1.8	M	M
20-Apr-10	-2.1	M	M
21-Apr-10	-4.2	M	M
22-Apr-10	-6.2	M	M
23-Apr-10	-8.7	M	M
24-Apr-10	-4.2	M	M
25-Apr-10	-4.6	M	M
26-Apr-10	1.1	M	M
27-Apr-10	-0.3	M	M
28-Apr-10	-1.2	M	M
29-Apr-10	-1.4	M	M
30-Apr-10	-3.2	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-May-10	-3.1	M	M
2-May-10	-5.3	M	M
3-May-10	-6.1	M	M
4-May-10	-5.3	M	M
5-May-10	-4.2	M	M
6-May-10	-5.2	M	M
7-May-10	-3.8	M	M
8-May-10	-4.7	M	M
9-May-10	-3.3	M	M
10-May-10	-2.8	M	M
11-May-10	-2.7	M	M
12-May-10	-1.2	M	M
13-May-10	-1.6	M	M
14-May-10	-3.3	M	M
15-May-10	-0.4	M	M
16-May-10	-2.6	M	M
17-May-10	0.6	M	M
18-May-10	1.4	M	M
19-May-10	0.4	M	M
20-May-10	0.0	M	M
21-May-10	-2.1	M	M
22-May-10	-0.6	M	M
23-May-10	0.8	M	M
24-May-10	0.5	M	M
25-May-10	2.7	M	M
26-May-10	4.1	M	M
27-May-10	6.5	M	M
28-May-10	5.6	M	M
29-May-10	4.7	M	M
30-May-10	3.3	M	M
31-May-10	5.1	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jun-10	3.3	M	M
2-Jun-10	1.2	M	M
3-Jun-10	-0.7	M	M
4-Jun-10	0.5	M	M
5-Jun-10	0.9	M	M
6-Jun-10	-1.1	M	M
7-Jun-10	2.9	M	M
8-Jun-10	2.5	M	M
9-Jun-10	1.5	M	M
10-Jun-10	4.9	M	M
11-Jun-10	0.8	M	M
12-Jun-10	-0.4	M	M
13-Jun-10	-0.5	M	M
14-Jun-10	-0.8	M	M
15-Jun-10	0.5	M	M
16-Jun-10	0.7	M	M
17-Jun-10	1.3	M	M
18-Jun-10	2.9	M	M
19-Jun-10	3.0	M	M
20-Jun-10	3.3	M	M
21-Jun-10	3.9	M	M
22-Jun-10	3.0	M	M
23-Jun-10	4.6	M	M
24-Jun-10	4.6	M	M
25-Jun-10	3.0	M	M
26-Jun-10	1.9	M	M
27-Jun-10	1.6	M	M
28-Jun-10	0.2	M	M
29-Jun-10	-0.8	M	M
30-Jun-10	-0.9	M	M

Appendix 4. Daily Minimum Air Temperature (°C)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jul-10	-0.4	M	M
2-Jul-10	1.1	M	M
3-Jul-10	1.6	M	M
4-Jul-10	2.0	M	M
5-Jul-10	1.9	M	M
6-Jul-10	4.4	M	M
7-Jul-10	7.0	M	M
8-Jul-10	8.1	M	M
9-Jul-10	6.3	M	M
10-Jul-10	6.5	M	M
11-Jul-10	1.0	M	M
12-Jul-10	0.8	M	M
13-Jul-10	1.8	M	M
14-Jul-10	2.2	M	M
15-Jul-10	1.6	M	M
16-Jul-10	2.7	M	M
17-Jul-10	2.6	M	M
18-Jul-10	3.2	M	M
19-Jul-10	6.1	M	M
20-Jul-10	5.5	M	M
21-Jul-10	5.8	M	M
22-Jul-10	4.6	M	M
23-Jul-10	0.5	M	M
24-Jul-10	0.6	M	M
25-Jul-10	3.7	M	M
26-Jul-10	4.1	M	M
27-Jul-10	7.3	M	M
28-Jul-10	9.2	M	M
29-Jul-10	7.2	12.0	M
30-Jul-10	6.2	10.6	M
31-Jul-10	6.2	11.4	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Aug-10	9.5	13.9	M
2-Aug-10	8.5	13.2	M
3-Aug-10	10.4	15.2	M
4-Aug-10	10.7	16.1	M
5-Aug-10	9.2	16.0	M
6-Aug-10	7.0	10.6	M
7-Aug-10	4.9	9.2	M
8-Aug-10	4.7	8.7	M
9-Aug-10	4.2	8.1	M
10-Aug-10	5.2	9.3	M
11-Aug-10	6.6	11.3	M
12-Aug-10	4.6	9.7	M
13-Aug-10	8.0	12.7	M
14-Aug-10	11.2	15.4	M
15-Aug-10	11.2	16.7	M
16-Aug-10	11.4	15.7	M
17-Aug-10	9.1	14.6	M
18-Aug-10	2.9	7.9	M
19-Aug-10	2.3	6.6	M
20-Aug-10	2.1	5.3	M
21-Aug-10	3.1	6.5	M
22-Aug-10	3.2	7.0	M
23-Aug-10	1.8	6.3	M
24-Aug-10	3.8	6.2	M
25-Aug-10	3.1	6.9	M
26-Aug-10	2.6	6.7	M
27-Aug-10	3.3	7.1	M
28-Aug-10	2.3	6.7	M
29-Aug-10	2.3	5.7	M
30-Aug-10	2.5	5.7	M
31-Aug-10	3.4	6.6	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Sep-10	2.1	6.5	M
2-Sep-10	1.9	6.6	M
3-Sep-10	2.4	6.1	M
4-Sep-10	2.0	5.0	M
5-Sep-10	1.3	4.5	M
6-Sep-10	1.1	4.7	M
7-Sep-10	3.6	5.3	M
8-Sep-10	4.3	6.4	M
9-Sep-10	1.8	6.1	M
10-Sep-10	1.4	4.5	M
11-Sep-10	1.6	4.1	M
12-Sep-10	3.6	5.9	M
13-Sep-10	3.9	4.3	M
14-Sep-10	3.0	2.6	M
15-Sep-10	4.7	4.5	M
16-Sep-10	3.4	6.6	M
17-Sep-10	3.8	5.7	M
18-Sep-10	4.1	4.9	M
19-Sep-10	2.2	3.8	M
20-Sep-10	1.0	1.7	M
21-Sep-10	0.3	1.0	M
22-Sep-10	-0.1	2.4	M
23-Sep-10	0.6	3.7	M
24-Sep-10	0.6	4.8	M
25-Sep-10	0.8	5.2	M
26-Sep-10	0.1	5.0	M
27-Sep-10	1.2	5.7	M
28-Sep-10	1.0	5.4	M
29-Sep-10	1.2	4.5	M
30-Sep-10	1.7	5.1	M

Appendix 4. Daily Minimum Air Temperature (°C)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Oct-10	2.6	3.5	M
2-Oct-10	-0.7	3.5	M
3-Oct-10	-0.8	0.1	M
4-Oct-10	-1.1	2.6	M
5-Oct-10	-1.8	0.6	M
6-Oct-10	-1.2	-0.3	M
7-Oct-10	0.5	3.5	M
8-Oct-10	-0.8	2.6	M
9-Oct-10	0.6	3.1	M
10-Oct-10	-1.5	1.5	M
11-Oct-10	-1.9	0.8	M
12-Oct-10	-2.0	1.1	M
13-Oct-10	-1.9	1.1	M
14-Oct-10	-2.7	1.1	M
15-Oct-10	-3.3	0.3	M
16-Oct-10	-1.6	0.4	M
17-Oct-10	-0.3	1.0	M
18-Oct-10	-2.7	0.9	M
19-Oct-10	-2.8	0.6	M
20-Oct-10	-2.8	-0.5	M
21-Oct-10	-6.2	-1.5	M
22-Oct-10	-3.5	-1.5	M
23-Oct-10	-1.9	0.5	M
24-Oct-10	-0.3	2.5	M
25-Oct-10	-0.4	2.4	M
26-Oct-10	-2.0	1.5	M
27-Oct-10	-5.1	-0.6	M
28-Oct-10	-5.4	-1.5	M
29-Oct-10	-3.7	-1.1	M
30-Oct-10	-6.6	-1.9	M
31-Oct-10	-7.6	-3.4	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Nov-10	-3.3	-0.6	M
2-Nov-10	-2.0	0.0	M
3-Nov-10	-2.2	0.5	M
4-Nov-10	-4.6	-0.4	M
5-Nov-10	-5.4	-1.5	M
6-Nov-10	-5.1	-1.7	M
7-Nov-10	-4.0	-1.1	M
8-Nov-10	-7.2	-2.2	M
9-Nov-10	-9.1	-6.4	M
10-Nov-10	-11.5	-8.2	M
11-Nov-10	-8.9	-5.6	M
12-Nov-10	-4.1	-2.9	M
13-Nov-10	-2.1	-0.7	M
14-Nov-10	-2.0	-0.2	M
15-Nov-10	-9.5	-4.6	M
16-Nov-10	-12.9	-6.0	M
17-Nov-10	-15.9	-12.4	M
18-Nov-10	-17.8	-15.5	M
19-Nov-10	-16.0	-12.4	M
20-Nov-10	-17.5	-15.3	M
21-Nov-10	-15.5	-13.2	M
22-Nov-10	-20.5	-17.3	M
23-Nov-10	-16.8	-16.8	M
24-Nov-10	-8.1	-13.3	M
25-Nov-10	-7.4	-10.0	M
26-Nov-10	-7.3	-6.1	M
27-Nov-10	-8.2	-6.3	M
28-Nov-10	-11.7	-8.6	M
29-Nov-10	-10.2	-7.1	M
30-Nov-10	-7.7	-3.7	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Dec-10	-9.0	-3.6	M
2-Dec-10	-10.4	-6.9	M
3-Dec-10	-15.4	-8.4	M
4-Dec-10	-14.0	-8.4	M
5-Dec-10	-15.1	-9.9	M
6-Dec-10	-13.2	-11.4	M
7-Dec-10	-7.6	-10.4	M
8-Dec-10	-7.5	-6.9	M
9-Dec-10	-6.7	-8.9	M
10-Dec-10	-6.6	-9.5	M
11-Dec-10	-7.7	-6.9	M
12-Dec-10	-8.7	-5.4	M
13-Dec-10	-8.0	-5.1	M
14-Dec-10	-6.7	-4.9	M
15-Dec-10	-8.8	-7.9	M
16-Dec-10	-11.8	-12.0	M
17-Dec-10	-13.5	-12.6	M
18-Dec-10	-11.9	-13.2	M
19-Dec-10	-17.6	-17.1	M
20-Dec-10	-19.0	-19.7	M
21-Dec-10	-18.4	-20.8	M
22-Dec-10	-12.0	-14.4	M
23-Dec-10	-5.6	-8.1	M
24-Dec-10	-7.9	-6.0	M
25-Dec-10	-8.4	-5.6	M
26-Dec-10	-8.0	-6.5	M
27-Dec-10	-10.3	-6.4	M
28-Dec-10	-17.1	-10.5	M
29-Dec-10	-19.5	-16.0	M
30-Dec-10	-14.0	-16.6	M
31-Dec-10	-11.7	-14.5	M

Appendix 4. Daily Minimum Air Temperature (°C)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jan-11	-6.7	-11.0	M
2-Jan-11	-5.3	-8.2	M
3-Jan-11	-5.9	-7.3	M
4-Jan-11	-4.3	-6.7	M
5-Jan-11	-5.9	-4.7	M
6-Jan-11	-8.5	-3.9	M
7-Jan-11	-10.9	-6.6	M
8-Jan-11	-14.9	-10.8	M
9-Jan-11	-11.4	-13.5	M
10-Jan-11	-15.6	-16.0	M
11-Jan-11	-18.6	-17.9	M
12-Jan-11	-19.1	-15.2	M
13-Jan-11	-24.9	-22.2	M
14-Jan-11	-25.6	-22.3	M
15-Jan-11	-22.7	-19.2	M
16-Jan-11	-17.6	-18.6	M
17-Jan-11	-14.7	-15.8	M
18-Jan-11	-8.7	-9.2	M
19-Jan-11	-6.4	-5.6	M
20-Jan-11	-4.0	-3.4	M
21-Jan-11	-3.6	-1.4	M
22-Jan-11	-3.2	-1.1	M
23-Jan-11	-7.9	-2.7	M
24-Jan-11	-7.2	-2.9	M
25-Jan-11	-3.0	-1.5	M
26-Jan-11	-3.1	-1.2	M
27-Jan-11	-12.6	-5.9	M
28-Jan-11	-12.1	-8.8	M
29-Jan-11	-11.0	-10.2	M
30-Jan-11	-15.2	-13.2	M
31-Jan-11	-15.2	-13.7	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Feb-11	-13.0	-12.1	M
2-Feb-11	-4.4	-9.0	M
3-Feb-11	-4.0	-4.1	M
4-Feb-11	-7.6	-4.1	M
5-Feb-11	-9.9	-5.5	M
6-Feb-11	-9.1	-5.6	M
7-Feb-11	-15.4	-8.7	M
8-Feb-11	-16.1	-12.8	M
9-Feb-11	-8.2	-11.2	M
10-Feb-11	-3.1	-6.8	M
11-Feb-11	-3.9	-3.0	M
12-Feb-11	-8.0	-3.9	M
13-Feb-11	-8.0	-4.2	M
14-Feb-11	-9.0	-5.4	M
15-Feb-11	-17.4	-14.1	M
16-Feb-11	-21.9	-17.5	M
17-Feb-11	-25.7	-20.3	M
18-Feb-11	-22.0	-22.7	M
19-Feb-11	-19.4	-19.2	M
20-Feb-11	-13.8	-15.9	M
21-Feb-11	-16.9	-11.9	M
22-Feb-11	-19.0	-13.9	M
23-Feb-11	-19.3	-17.2	M
24-Feb-11	-20.8	-20.3	M
25-Feb-11	-10.9	-17.0	M
26-Feb-11	-12.5	-12.3	M
27-Feb-11	-23.0	-18.3	M
28-Feb-11	-25.5	-21.2	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Mar-11	-25.1	-21.8	M
2-Mar-11	-22.6	-20.5	M
3-Mar-11	-16.9	-13.3	M
4-Mar-11	-15.3	-12.2	M
5-Mar-11	-11.1	-7.5	M
6-Mar-11	-13.8	-9.5	M
7-Mar-11	-15.2	-11.9	M
8-Mar-11	-14.8	-11.8	M
9-Mar-11	-10.8	-7.6	M
10-Mar-11	-12.2	-9.6	M
11-Mar-11	-9.7	-11.3	M
12-Mar-11	-7.4	-9.6	M
13-Mar-11	-7.6	-4.4	M
14-Mar-11	-5.2	-2.1	M
15-Mar-11	-4.1	-1.0	M
16-Mar-11	-6.2	-1.8	M
17-Mar-11	-10.6	-4.3	M
18-Mar-11	-10.2	-7.6	M
19-Mar-11	-10.0	-6.2	M
20-Mar-11	-8.7	-4.4	M
21-Mar-11	-8.3	-3.2	M
22-Mar-11	-8.4	-4.0	M
23-Mar-11	-6.3	-3.0	M
24-Mar-11	-6.5	-2.6	M
25-Mar-11	-4.7	-1.6	M
26-Mar-11	-4.7	-1.1	M
27-Mar-11	-4.8	-0.5	M
28-Mar-11	-4.9	-0.9	M
29-Mar-11	-2.9	-0.3	M
30-Mar-11	-4.3	-0.9	M
31-Mar-11	-4.9	-1.1	M

Appendix 4. Daily Minimum Air Temperature (°C)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Apr-11	-5.5	-1.7	M
2-Apr-11	-7.7	-2.6	M
3-Apr-11	-7.2	-4.2	M
4-Apr-11	-8.0	-3.4	M
5-Apr-11	-11.0	-5.7	M
6-Apr-11	-8.2	-4.0	M
7-Apr-11	-7.2	-2.2	M
8-Apr-11	-6.1	-1.5	M
9-Apr-11	-7.3	-2.0	M
10-Apr-11	-11.6	-3.5	M
11-Apr-11	-11.5	-4.7	M
12-Apr-11	-5.8	-2.5	M
13-Apr-11	-5.9	-1.4	M
14-Apr-11	-6.6	-1.4	M
15-Apr-11	-8.3	-2.3	M
16-Apr-11	-7.6	-2.3	M
17-Apr-11	-9.0	-2.7	M
18-Apr-11	-10.7	-4.2	M
19-Apr-11	-11.3	-3.8	M
20-Apr-11	-6.4	-2.5	M
21-Apr-11	-7.5	-2.7	M
22-Apr-11	-6.1	-1.3	M
23-Apr-11	-9.7	-1.5	M
24-Apr-11	-8.8	-2.3	M
25-Apr-11	-5.2	1.3	M
26-Apr-11	-4.7	0.7	M
27-Apr-11	-5.8	-0.9	M
28-Apr-11	-4.6	2.3	M
29-Apr-11	-3.2	1.2	M
30-Apr-11	-5.4	-0.7	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-May-11	-7.1	-2.1	M
2-May-11	-3.4	-1.0	M
3-May-11	-2.7	0.3	M
4-May-11	-2.8	-0.1	M
5-May-11	-2.5	0.1	M
6-May-11	-1.7	1.1	M
7-May-11	-2.2	2.4	M
8-May-11	-2.0	4.4	M
9-May-11	-2.0	2.3	M
10-May-11	-3.1	-0.2	M
11-May-11	-5.4	-0.6	M
12-May-11	-3.0	1.3	M
13-May-11	-3.4	-0.2	M
14-May-11	-1.7	1.6	M
15-May-11	3.5	5.6	M
16-May-11	0.2	4.4	M
17-May-11	-0.2	1.5	M
18-May-11	-0.7	1.2	M
19-May-11	0.0	2.5	M
20-May-11	4.9	5.1	M
21-May-11	1.4	5.0	M
22-May-11	0.0	3.0	M
23-May-11	-0.2	2.3	M
24-May-11	2.3	4.8	M
25-May-11	2.7	4.7	M
26-May-11	2.5	5.1	M
27-May-11	0.6	4.1	M
28-May-11	1.9	5.9	M
29-May-11	3.5	5.9	M
30-May-11	3.9	8.9	M
31-May-11	4.1	8.2	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jun-11	4.5	10.0	M
2-Jun-11	2.3	7.5	M
3-Jun-11	2.2	6.2	M
4-Jun-11	1.6	5.9	M
5-Jun-11	1.4	5.2	M
6-Jun-11	1.0	5.5	M
7-Jun-11	3.7	7.5	M
8-Jun-11	4.4	9.0	M
9-Jun-11	1.8	7.7	M
10-Jun-11	0.7	6.1	M
11-Jun-11	1.0	5.0	M
12-Jun-11	1.3	5.7	M
13-Jun-11	2.5	5.9	M
14-Jun-11	2.2	6.2	M
15-Jun-11	1.5	5.6	M
16-Jun-11	0.7	5.3	M
17-Jun-11	3.7	8.2	M
18-Jun-11	3.0	7.5	M
19-Jun-11	3.6	7.0	M
20-Jun-11	3.2	7.2	M
21-Jun-11	2.6	7.6	M
22-Jun-11	3.0	7.4	M
23-Jun-11	2.8	6.7	M
24-Jun-11	2.1	5.9	M
25-Jun-11	3.8	7.9	M
26-Jun-11	3.1	8.5	M
27-Jun-11	5.0	9.4	M
28-Jun-11	2.7	7.3	M
29-Jun-11	1.3	5.8	M
30-Jun-11	0.5	4.3	M

Appendix 4. Daily Minimum Air Temperature (°C)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jul-11	0.5	4.9	M
2-Jul-11	0.8	5.2	M
3-Jul-11	0.2	3.7	M
4-Jul-11	0.5	3.2	M
5-Jul-11	2.0	5.7	M
6-Jul-11	2.8	6.6	M
7-Jul-11	2.2	6.3	M
8-Jul-11	3.1	7.6	M
9-Jul-11	3.2	7.3	M
10-Jul-11	3.8	7.8	M
11-Jul-11	5.1	11.1	M
12-Jul-11	7.4	13.9	M
13-Jul-11	9.0	14.6	M
14-Jul-11	5.2	10.0	M
15-Jul-11	5.0	9.5	M
16-Jul-11	5.9	10.1	M
17-Jul-11	6.1	11.9	M
18-Jul-11	3.8	8.2	M
19-Jul-11	3.8	7.7	M
20-Jul-11	3.3	6.5	M
21-Jul-11	3.9	6.7	M
22-Jul-11	6.4	9.1	M
23-Jul-11	4.4	9.2	M
24-Jul-11	5.7	9.7	M
25-Jul-11	4.7	9.0	M
26-Jul-11	3.2	7.2	M
27-Jul-11	2.7	6.5	M
28-Jul-11	3.3	6.6	M
29-Jul-11	3.4	6.5	M
30-Jul-11	2.8	6.7	M
31-Jul-11	3.0	6.2	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Aug-11	4.2	8.2	M
2-Aug-11	2.5	7.7	M
3-Aug-11	5.4	9.5	M
4-Aug-11	4.4	7.9	M
5-Aug-11	2.3	7.0	M
6-Aug-11	3.4	7.5	M
7-Aug-11	2.6	7.6	M
8-Aug-11	4.8	9.2	M
9-Aug-11	5.8	9.1	M
10-Aug-11	5.0	9.6	M
11-Aug-11	2.1	4.7	M
12-Aug-11	1.7	4.7	M
13-Aug-11	4.4	4.9	8.6
14-Aug-11	3.2	6.8	7.2
15-Aug-11	1.9	5.2	6.4
16-Aug-11	1.2	4.9	5.9
17-Aug-11	3.3	6.3	7.0
18-Aug-11	3.5	6.4	6.9
19-Aug-11	4.1	6.2	6.7
20-Aug-11	6.1	8.5	9.1
21-Aug-11	5.5	8.9	9.9
22-Aug-11	4.5	7.3	8.4
23-Aug-11	2.2	6.6	7.3
24-Aug-11	0.9	5.4	6.4
25-Aug-11	0.9	4.3	4.2
26-Aug-11	2.6	6.1	6.9
27-Aug-11	4.0	7.1	8.0
28-Aug-11	3.8	6.6	7.6
29-Aug-11	3.0	6.8	6.8
30-Aug-11	2.5	5.7	5.6
31-Aug-11	3.0	6.8	5.6

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Sep-11	1.1	4.7	5.9
2-Sep-11	3.0	5.7	6.2
3-Sep-11	4.3	7.1	7.6
4-Sep-11	1.9	6.3	7.2
5-Sep-11	1.8	5.2	6.1
6-Sep-11	6.7	8.5	8.9
7-Sep-11	5.3	9.2	9.9
8-Sep-11	8.5	10.2	11.4
9-Sep-11	5.7	9.8	9.7
10-Sep-11	4.4	7.8	7.7
11-Sep-11	2.8	5.2	4.6
12-Sep-11	6.7	5.6	6.3
13-Sep-11	5.4	8.6	9.0
14-Sep-11	5.1	7.5	7.4
15-Sep-11	2.0	7.4	8.1
16-Sep-11	0.0	4.3	5.2
17-Sep-11	0.5	6.4	4.8
18-Sep-11	0.7	4.0	4.4
19-Sep-11	1.3	4.7	5.0
20-Sep-11	3.2	6.4	6.9
21-Sep-11	0.5	4.3	5.0
22-Sep-11	-0.2	0.6	2.1
23-Sep-11	-1.4	0.3	0.4
24-Sep-11	-0.9	2.0	2.4
25-Sep-11	-1.4	2.0	2.7
26-Sep-11	-2.2	0.8	1.5
27-Sep-11	-0.5	2.1	2.3
28-Sep-11	-1.4	2.0	2.3
29-Sep-11	-1.1	1.0	1.5
30-Sep-11	-4.4	-0.3	1.6

Appendix 4. Daily Minimum Air Temperature (°C)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Oct-11	-4.7	-1.2	-0.6
2-Oct-11	-2.4	-0.1	-0.1
3-Oct-11	-1.9	-0.6	0.5
4-Oct-11	0.1	2.6	2.9
5-Oct-11	0.0	1.6	1.6
6-Oct-11	-0.5	1.5	1.5
7-Oct-11	-1.1	2.0	2.5
8-Oct-11	-1.6	0.4	0.3
9-Oct-11	-0.9	0.7	1.9
10-Oct-11	-1.8	1.4	1.5
11-Oct-11	-0.3	2.9	3.3
12-Oct-11	-0.4	2.5	3.5
13-Oct-11	-3.6	1.0	2.0
14-Oct-11	-5.9	-0.7	-0.5
15-Oct-11	-6.3	-2.4	-1.7
16-Oct-11	-3.9	-0.8	-0.4
17-Oct-11	-2.4	-0.8	-0.1
18-Oct-11	-0.1	2.7	3.7
19-Oct-11	-3.6	0.2	1.6
20-Oct-11	-5.3	-1.3	-0.8
21-Oct-11	-4.6	-1.4	-0.7
22-Oct-11	-3.2	-0.8	-0.1
23-Oct-11	-2.7	-0.4	0.1
24-Oct-11	-2.7	-0.3	0.5
25-Oct-11	-3.5	-0.2	-0.1
26-Oct-11	-3.8	-0.5	-0.5
27-Oct-11	-3.9	-0.7	-0.2
28-Oct-11	-3.1	-0.3	-0.5
29-Oct-11	-2.3	-0.2	0.0
30-Oct-11	-3.0	-0.5	-0.1
31-Oct-11	-3.6	-1.0	-0.4

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Nov-11	-2.8	-0.6	-0.1
2-Nov-11	-8.7	-4.3	-3.3
3-Nov-11	-15.3	-11.0	-9.7
4-Nov-11	-13.0	-11.5	-10.3
5-Nov-11	-7.6	-6.1	-4.9
6-Nov-11	-5.3	-3.9	-3.3
7-Nov-11	-5.7	-1.9	-1.6
8-Nov-11	-6.2	-2.6	-2.6
9-Nov-11	-5.5	-2.7	-2.4
10-Nov-11	-5.3	-2.8	-2.5
11-Nov-11	-9.8	-5.0	-3.4
12-Nov-11	-7.3	-4.4	-3.4
13-Nov-11	-9.4	-5.2	-5.3
14-Nov-11	-11.2	-7.5	-7.7
15-Nov-11	-9.5	-6.7	-6.2
16-Nov-11	-8.3	-5.5	-4.5
17-Nov-11	-11.6	-8.2	-7.9
18-Nov-11	-17.9	-12.9	-12.8
19-Nov-11	-20.1	-17.0	-16.0
20-Nov-11	-21.4	-18.6	-17.7
21-Nov-11	-17.0	-14.5	-14.3
22-Nov-11	-8.5	-9.0	-8.2
23-Nov-11	-8.6	-5.1	-4.4
24-Nov-11	-10.6	-6.5	-5.2
25-Nov-11	-11.6	-8.1	-7.9
26-Nov-11	-7.9	-5.9	-4.6
27-Nov-11	-8.8	-5.0	-4.7
28-Nov-11	-8.0	-4.9	-4.7
29-Nov-11	-9.4	-6.2	-7.2
30-Nov-11	-9.1	-9.7	-10.0

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Dec-11	-5.2	-8.3	-7.4
2-Dec-11	-5.9	-2.7	-3.1
3-Dec-11	-7.2	-3.0	-2.5
4-Dec-11	-5.2	-4.4	-4.1
5-Dec-11	-4.5	-4.1	-3.8
6-Dec-11	-11.4	-6.9	-7.3
7-Dec-11	-15.2	-12.0	-12.1
8-Dec-11	-8.6	-11.9	-11.9
9-Dec-11	-5.3	-9.1	-8.7
10-Dec-11	-8.0	-6.8	-6.4
11-Dec-11	-11.7	-10.2	-10.9
12-Dec-11	-8.4	-9.8	-9.0
13-Dec-11	-14.4	-10.7	-10.8
14-Dec-11	-14.8	-12.2	-11.1
15-Dec-11	-14.5	-13.1	-13.1
16-Dec-11	-10.8	-11.5	-11.5
17-Dec-11	-9.7	-8.0	-8.8
18-Dec-11	-11.8	-10.6	-10.2
19-Dec-11	-4.8	-7.3	-6.3
20-Dec-11	-7.8	-4.0	-4.6
21-Dec-11	-10.9	-7.1	-5.7
22-Dec-11	-6.0	-5.6	-5.1
23-Dec-11	-5.3	-2.6	-2.8
24-Dec-11	-5.6	-2.6	-2.0
25-Dec-11	-7.7	-3.9	-2.7
26-Dec-11	-8.4	-4.3	-3.9
27-Dec-11	-10.0	-6.4	-5.8
28-Dec-11	-9.3	-6.3	-5.7
29-Dec-11	-12.6	-8.7	-7.9
30-Dec-11	-12.7	-8.7	-9.2
31-Dec-11	-13.1	-10.2	-9.8



Appendix 4. Daily Minimum Air Temperature (°C)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jan-12	-11.8	-8.7	-8.3
2-Jan-12	-11.6	-6.3	-5.6
3-Jan-12	-7.2	-5.4	-4.6
4-Jan-12	-3.4	-2.0	-0.8
5-Jan-12	-10.7	-5.4	-4.3
6-Jan-12	-11.3	-7.0	-6.2
7-Jan-12	-5.1	-5.5	-4.3
8-Jan-12	-4.8	-1.6	-0.7
9-Jan-12	-11.8	-8.1	-6.9
10-Jan-12	-17.7	-11.9	-10.8
11-Jan-12	-13.1	-11.9	-11.4
12-Jan-12	-10.8	-10.2	-9.6
13-Jan-12	-10.7	-6.4	-6.0
14-Jan-12	-17.2	-11.1	-9.4
15-Jan-12	-26.2	-21.2	-20.0
16-Jan-12	-28.9	-27.7	-25.0
17-Jan-12	-31.4	-29.8	-27.1
18-Jan-12	-29.8	-29.1	-28.1
19-Jan-12	-27.2	-30.5	-29.1
20-Jan-12	-23.6	-27.6	-25.9
21-Jan-12	-16.9	-19.2	-18.9
22-Jan-12	-10.3	-13.4	-12.4
23-Jan-12	-9.4	-8.4	-8.2
24-Jan-12	-9.1	-6.0	-5.2
25-Jan-12	-9.5	-5.8	-6.0
26-Jan-12	-12.1	-8.2	-8.1
27-Jan-12	-10.5	-8.0	-7.2
28-Jan-12	-10.3	-7.3	-6.7
29-Jan-12	-5.6	-6.2	-5.1
30-Jan-12	-5.7	-3.3	-1.7
31-Jan-12	-6.0	-1.8	-2.0

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Feb-12	-6.3	-2.1	-2.5
2-Feb-12	-4.0	-1.9	-2.0
3-Feb-12	-7.5	-4.0	-1.8
4-Feb-12	-7.2	-4.5	-3.2
5-Feb-12	-3.3	-3.3	-2.2
6-Feb-12	-5.0	-2.7	-1.8
7-Feb-12	-6.1	-4.0	-3.2
8-Feb-12	-7.2	-6.5	-5.4
9-Feb-12	-5.3	-4.1	-3.2
10-Feb-12	-6.2	-2.0	-1.5
11-Feb-12	-4.6	-2.2	-2.2
12-Feb-12	-8.1	-3.7	-3.5
13-Feb-12	-10.2	-6.9	-6.4
14-Feb-12	-8.7	-8.6	-8.7
15-Feb-12	-11.1	-9.8	-9.8
16-Feb-12	-7.5	-7.8	-7.6
17-Feb-12	-7.3	-5.4	-5.0
18-Feb-12	-8.9	-4.3	-4.0
19-Feb-12	-8.7	-5.4	-4.3
20-Feb-12	-8.3	-4.8	-4.1
21-Feb-12	-6.2	-3.1	-2.5
22-Feb-12	-7.5	-3.4	-2.9
23-Feb-12	-13.1	-7.8	-6.8
24-Feb-12	-13.0	-10.4	-9.4
25-Feb-12	-17.5	-9.8	-8.7
26-Feb-12	-20.0	-14.2	-13.9
27-Feb-12	-12.8	-12.0	-11.6
28-Feb-12	-12.0	-8.4	-7.8
29-Feb-12	-12.5	-7.2	-6.7

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Mar-12	-11.6	-7.8	-7.5
2-Mar-12	-7.0	-4.9	-4.1
3-Mar-12	-8.2	-4.5	-4.2
4-Mar-12	-15.8	-9.3	-8.1
5-Mar-12	-16.0	-11.7	-12.1
6-Mar-12	-14.7	-11.7	-11.4
7-Mar-12	-4.5	-5.2	-4.4
8-Mar-12	-3.3	-1.3	-0.8
9-Mar-12	-7.3	-3.5	-3.2
10-Mar-12	-7.1	-3.6	-3.5
11-Mar-12	-9.5	-5.1	-4.3
12-Mar-12	-11.7	-8.5	-7.9
13-Mar-12	-11.5	-6.5	-5.9
14-Mar-12	-11.4	-8.7	-7.0
15-Mar-12	-7.3	-4.3	-3.9
16-Mar-12	-8.3	-3.6	-2.6
17-Mar-12	-10.4	-5.8	-4.0
18-Mar-12	-15.6	-7.3	-7.9
19-Mar-12	-14.1	-9.6	-10.3
20-Mar-12	-10.1	-7.3	-6.6
21-Mar-12	-11.4	-5.9	-4.5
22-Mar-12	-11.6	-6.9	-6.0
23-Mar-12	-14.8	-7.1	-6.9
24-Mar-12	-17.5	-7.8	-8.6
25-Mar-12	-13.4	-6.8	-6.2
26-Mar-12	-10.4	-7.5	-6.7
27-Mar-12	-5.3	-2.6	-2.4
28-Mar-12	-3.7	-0.6	0.2
29-Mar-12	-4.4	-0.5	-0.2
30-Mar-12	-10.1	-3.0	-2.0
31-Mar-12	-11.8	-5.3	-4.2

Appendix 4. Daily Minimum Air Temperature (°C)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Apr-12	-10.1	-6.0	-6.0
2-Apr-12	-5.8	-2.2	-2.1
3-Apr-12	-6.8	-1.8	-2.1
4-Apr-12	-8.3	-3.4	-3.1
5-Apr-12	-8.7	-2.9	-3.0
6-Apr-12	-10.2	-2.4	-2.5
7-Apr-12	-7.3	-2.2	-2.4
8-Apr-12	-4.1	-1.9	-1.8
9-Apr-12	-1.3	0.4	1.6
10-Apr-12	-1.3	0.8	1.4
11-Apr-12	-0.2	1.9	2.7
12-Apr-12	0.1	2.4	3.0
13-Apr-12	-0.5	2.9	2.8
14-Apr-12	-2.9	1.7	1.9
15-Apr-12	-3.2	0.4	1.2
16-Apr-12	-1.0	1.4	2.6
17-Apr-12	-3.1	0.8	1.2
18-Apr-12	-2.2	0.4	1.2
19-Apr-12	-3.3	0.0	0.8
20-Apr-12	-4.7	-0.8	0.4
21-Apr-12	-5.5	-1.2	-1.0
22-Apr-12	-6.0	-1.6	-1.8
23-Apr-12	-5.1	0.1	-0.5
24-Apr-12	-7.2	-1.5	-1.3
25-Apr-12	-1.7	1.1	2.2
26-Apr-12	-3.4	0.8	0.4
27-Apr-12	-4.8	-0.2	-0.1
28-Apr-12	-3.7	-0.1	0.3
29-Apr-12	-4.0	0.7	1.3
30-Apr-12	-3.4	-0.1	0.7

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-May-12	-3.8	0.5	1.2
2-May-12	-4.1	-1.0	-0.8
3-May-12	-4.3	-0.7	-0.6
4-May-12	-4.2	-0.3	0.8
5-May-12	-4.3	-1.2	-0.6
6-May-12	-2.6	0.1	0.3
7-May-12	-1.2	1.4	2.3
8-May-12	-5.2	-0.9	-0.3
9-May-12	-6.5	-2.4	-2.3
10-May-12	-5.1	-1.4	-1.5
11-May-12	-3.0	0.0	0.7
12-May-12	-2.6	1.2	2.4
13-May-12	-5.6	0.9	1.8
14-May-12	-8.2	-0.4	-0.8
15-May-12	-5.5	-1.2	0.3
16-May-12	-5.9	-1.4	-0.5
17-May-12	-4.7	-0.4	0.4
18-May-12	-2.2	2.7	2.6
19-May-12	-3.4	1.1	2.0
20-May-12	0.1	1.6	2.3
21-May-12	0.9	3.0	4.0
22-May-12	-0.5	3.2	4.0
23-May-12	-1.2	2.8	2.2
24-May-12	-0.2	4.8	5.0
25-May-12	2.8	5.8	6.0
26-May-12	1.8	4.2	5.6
27-May-12	0.3	3.8	4.7
28-May-12	-0.5	3.0	3.3
29-May-12	-1.8	2.5	3.8
30-May-12	-0.8	2.9	3.0
31-May-12	-0.4	3.2	3.9

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jun-12	-1.3	2.2	3.5
2-Jun-12	-1.6	1.9	2.1
3-Jun-12	-3.0	1.4	1.9
4-Jun-12	-2.1	4.1	3.6
5-Jun-12	0.9	4.4	5.3
6-Jun-12	0.5	3.8	4.3
7-Jun-12	0.1	4.2	4.3
8-Jun-12	0.8	3.1	3.1
9-Jun-12	0.4	4.0	5.3
10-Jun-12	0.4	5.0	4.7
11-Jun-12	1.5	5.7	7.0
12-Jun-12	-0.1	4.2	5.6
13-Jun-12	-0.7	3.9	4.9
14-Jun-12	-0.6	3.7	4.6
15-Jun-12	0.1	3.8	4.3
16-Jun-12	0.1	3.5	4.3
17-Jun-12	2.1	5.4	6.5
18-Jun-12	2.6	6.6	7.2
19-Jun-12	2.7	6.7	7.6
20-Jun-12	2.4	6.2	6.9
21-Jun-12	2.9	6.0	6.3
22-Jun-12	7.6	9.4	10.2
23-Jun-12	8.1	13.0	14.2
24-Jun-12	3.3	7.9	9.6
25-Jun-12	1.6	5.7	6.5
26-Jun-12	1.1	4.6	5.4
27-Jun-12	0.9	4.5	5.2
28-Jun-12	2.4	5.9	6.8
29-Jun-12	2.1	5.9	6.6
30-Jun-12	0.8	5.9	6.9

Appendix 4. Daily Minimum Air Temperature (°C)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jul-12	0.0	4.5	5.3
2-Jul-12	1.0	4.4	5.1
3-Jul-12	2.0	5.7	6.9
4-Jul-12	2.6	6.5	7.5
5-Jul-12	2.3	7.1	8.2
6-Jul-12	2.7	7.0	6.2
7-Jul-12	3.8	7.3	8.5
8-Jul-12	4.1	7.2	8.5
9-Jul-12	5.5	9.2	9.6
10-Jul-12	2.5	7.4	9.4
11-Jul-12	0.2	6.2	5.7
12-Jul-12	3.5	8.1	8.0
13-Jul-12	5.8	10.6	10.1
14-Jul-12	5.6	11.3	12.2
15-Jul-12	5.5	13.2	12.1
16-Jul-12	6.7	12.1	13.6
17-Jul-12	4.0	9.4	10.6
18-Jul-12	3.1	7.8	8.7
19-Jul-12	2.8	7.2	7.7
20-Jul-12	7.0	9.1	9.9
21-Jul-12	5.7	9.8	10.0
22-Jul-12	5.1	9.3	9.4
23-Jul-12	5.9	10.2	11.0
24-Jul-12	5.4	10.4	10.9
25-Jul-12	4.8	9.5	10.0
26-Jul-12	7.5	13.1	12.6
27-Jul-12	7.0	11.4	13.2
28-Jul-12	5.0	9.9	11.4
29-Jul-12	5.2	8.6	9.8
30-Jul-12	4.2	7.8	8.5
31-Jul-12	2.8	6.4	7.2

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Aug-12	2.7	5.5	6.5
2-Aug-12	4.0	7.7	7.2
3-Aug-12	6.3	9.1	10.2
4-Aug-12	5.5	9.1	10.3
5-Aug-12	4.8	9.3	10.4
6-Aug-12	6.7	10.3	10.2
7-Aug-12	9.0	13.0	12.8
8-Aug-12	3.6	7.8	9.2
9-Aug-12	2.6	6.4	7.5
10-Aug-12	3.0	6.4	7.3
11-Aug-12	5.0	8.1	8.6
12-Aug-12	5.1	8.9	9.4
13-Aug-12	4.7	8.0	8.7
14-Aug-12	5.3	6.5	6.8
15-Aug-12	6.4	10.7	10.2
16-Aug-12	7.6	11.8	10.5
17-Aug-12	7.9	11.3	10.7
18-Aug-12	8.7	13.3	14.1
19-Aug-12	7.5	12.1	11.3
20-Aug-12	7.8	11.7	11.2
21-Aug-12	6.2	10.5	11.5
22-Aug-12	3.8	8.3	9.4
23-Aug-12	3.0	6.5	7.0
24-Aug-12	3.8	6.4	6.9
25-Aug-12	3.9	7.0	7.1
26-Aug-12	6.3	8.4	8.2
27-Aug-12	5.4	9.7	9.9
28-Aug-12	4.1	7.0	8.2
29-Aug-12	3.0	6.5	6.5
30-Aug-12	4.4	8.0	7.6
31-Aug-12	3.5	7.8	5.9

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Sep-12	3.0	7.3	7.3
2-Sep-12	2.3	6.1	7.3
3-Sep-12	2.5	5.5	6.2
4-Sep-12	3.5	7.2	7.7
5-Sep-12	2.5	7.2	7.5
6-Sep-12	3.8	8.5	8.6
7-Sep-12	1.8	6.0	5.8
8-Sep-12	6.4	7.3	7.5
9-Sep-12	-0.9	3.1	4.2
10-Sep-12	-0.3	3.0	3.6
11-Sep-12	-0.8	3.1	3.9
12-Sep-12	0.5	3.4	4.6
13-Sep-12	3.5	6.2	7.6
14-Sep-12	1.3	4.8	5.3
15-Sep-12	0.5	2.9	1.9
16-Sep-12	2.2	3.8	3.8
17-Sep-12	3.6	3.8	3.7
18-Sep-12	1.3	5.5	5.2
19-Sep-12	5.1	4.2	4.4
20-Sep-12	7.1	7.9	7.5
21-Sep-12	8.1	9.1	8.8
22-Sep-12	4.9	7.1	7.6
23-Sep-12	4.4	6.9	7.9
24-Sep-12	0.8	5.9	5.8
25-Sep-12	-1.8	2.1	1.8
26-Sep-12	1.8	5.1	5.9
27-Sep-12	2.1	3.7	4.9
28-Sep-12	0.6	1.8	2.2
29-Sep-12	-0.7	2.2	3.6
30-Sep-12	-0.6	2.3	3.0

Appendix 4. Daily Minimum Air Temperature (°C)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Oct-12	-3.4	1.2	2.0
2-Oct-12	-4.2	0.1	1.1
3-Oct-12	-1.7	-0.5	0.0
4-Oct-12	-1.4	-0.4	-0.8
5-Oct-12	5.9	2.7	2.0
6-Oct-12	6.8	5.6	4.8
7-Oct-12	6.3	7.7	5.7
8-Oct-12	4.7	6.5	6.0
9-Oct-12	3.1	5.0	4.7
10-Oct-12	0.7	4.4	4.3
11-Oct-12	-1.8	-0.1	0.2
12-Oct-12	-2.3	-1.0	-0.3
13-Oct-12	0.3	1.2	2.3
14-Oct-12	-1.1	1.2	0.8
15-Oct-12	-0.4	2.1	2.9
16-Oct-12	-3.3	-0.4	0.1
17-Oct-12	-4.1	-0.3	-0.9
18-Oct-12	-8.7	-3.8	-3.2
19-Oct-12	-10.1	-4.9	-5.1
20-Oct-12	-10.9	-6.7	-6.6
21-Oct-12	-8.4	-5.8	-3.8
22-Oct-12	-9.3	-7.8	-5.7
23-Oct-12	-8.7	-6.4	-4.5
24-Oct-12	-7.8	-3.5	-2.9
25-Oct-12	-9.3	-4.2	-3.4
26-Oct-12	-10.5	-5.6	-4.5
27-Oct-12	-13.0	-8.5	-7.3
28-Oct-12	-15.5	-10.1	-8.3
29-Oct-12	-16.2	-11.9	-10.1
30-Oct-12	-15.9	-14.7	-14.0
31-Oct-12	-14.8	-11.9	-12.1

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Nov-12	-11.4	-10.5	-9.4
2-Nov-12	-8.3	-6.4	-5.2
3-Nov-12	-3.8	-1.7	-1.1
4-Nov-12	-3.2	-0.7	-0.1
5-Nov-12	-3.6	-0.3	0.0
6-Nov-12	-4.2	-0.8	-0.5
7-Nov-12	-4.8	-1.4	-0.9
8-Nov-12	-12.6	-8.6	-6.8
9-Nov-12	-14.5	-11.0	-10.0
10-Nov-12	-12.8	-11.1	-11.2
11-Nov-12	-11.7	-8.3	-8.0
12-Nov-12	-8.5	-6.0	-5.9
13-Nov-12	-4.6	-4.6	-4.2
14-Nov-12	-4.0	-3.0	-2.4
15-Nov-12	-5.1	-1.9	-1.2
16-Nov-12	-6.9	-1.8	-1.0
17-Nov-12	-7.9	-5.3	-3.7
18-Nov-12	-9.1	-8.5	-7.1
19-Nov-12	-5.3	-7.6	-5.9
20-Nov-12	M	-9.5	-7.3
21-Nov-12	-11.7	-10.2	-8.9
22-Nov-12	-11.7	-8.8	-7.8
23-Nov-12	-8.1	-5.3	-5.6
24-Nov-12	-5.9	-3.3	-2.9
25-Nov-12	-6.0	-3.0	-1.7
26-Nov-12	-11.0	-4.9	-5.3
27-Nov-12	-10.5	-7.9	-8.1
28-Nov-12	-8.2	-8.1	-7.2
29-Nov-12	-10.8	-11.2	-9.9
30-Nov-12	-11.1	-12.4	-10.0

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Dec-12	-13.1	-13.0	-11.5
2-Dec-12	-13.1	-13.7	-11.6
3-Dec-12	-11.5	-11.2	-10.3
4-Dec-12	-8.1	-5.3	-6.2
5-Dec-12	-8.7	-5.3	-5.3
6-Dec-12	-11.2	-6.6	-5.3
7-Dec-12	-13.7	-9.3	-8.8
8-Dec-12	-18.3	-11.1	-10.2
9-Dec-12	-12.3	-10.0	-9.1
10-Dec-12	-4.2	-4.9	-4.2
11-Dec-12	-9.4	-5.1	-3.1
12-Dec-12	-12.3	-9.1	-9.4
13-Dec-12	-7.1	-8.4	-7.0
14-Dec-12	-7.5	-5.5	-5.3
15-Dec-12	-9.4	-4.3	-3.6
16-Dec-12	-12.8	-6.1	-5.9
17-Dec-12	-14.4	-8.4	-7.9
18-Dec-12	-13.9	-9.9	-9.4
19-Dec-12	-12.2	-9.4	-8.8
20-Dec-12	-12.7	-12.1	-9.1
21-Dec-12	-16.0	-14.8	-13.4
22-Dec-12	-17.0	-16.0	-14.3
23-Dec-12	-19.1	-15.7	-14.3
24-Dec-12	-19.3	-17.2	-16.4
25-Dec-12	-16.3	-16.2	-14.8
26-Dec-12	-13.1	-16.1	-16.1
27-Dec-12	-14.5	-15.4	-16.5
28-Dec-12	-11.3	-14.6	-13.8
29-Dec-12	-9.9	-11.7	-11.7
30-Dec-12	-7.5	-8.9	-9.1
31-Dec-12	-8.2	-7.9	-7.5

## Appendix 5

### Total Daily Precipitation (mm)

**Appendix 5. Total Daily Precipitation (mm)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Oct-09	M	M	M
2-Oct-09	M	M	M
3-Oct-09	M	M	M
4-Oct-09	M	M	M
5-Oct-09	M	M	M
6-Oct-09	M	M	M
7-Oct-09	M	M	M
8-Oct-09	M	M	M
9-Oct-09	M	M	M
10-Oct-09	M	M	M
11-Oct-09	M	M	M
12-Oct-09	M	M	M
13-Oct-09	0.0	M	M
14-Oct-09	0.0	M	M
15-Oct-09	1.2	M	M
16-Oct-09	14.0	M	M
17-Oct-09	2.4	M	M
18-Oct-09	2.0	M	M
19-Oct-09	4.9	M	M
20-Oct-09	4.8	M	M
21-Oct-09	5.8	M	M
22-Oct-09	6.6	M	M
23-Oct-09	5.5	M	M
24-Oct-09	3.2	M	M
25-Oct-09	7.4	M	M
26-Oct-09	4.4	M	M
27-Oct-09	1.2	M	M
28-Oct-09	2.8	M	M
29-Oct-09	15.6	M	M
30-Oct-09	14.8	M	M
31-Oct-09	8.0	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Nov-09	2.6	M	M
2-Nov-09	7.4	M	M
3-Nov-09	3.8	M	M
4-Nov-09	2.9	M	M
5-Nov-09	11.2	M	M
6-Nov-09	1.9	M	M
7-Nov-09	1.0	M	M
8-Nov-09	0.0	M	M
9-Nov-09	3.3	M	M
10-Nov-09	4.1	M	M
11-Nov-09	2.2	M	M
12-Nov-09	6.2	M	M
13-Nov-09	0.7	M	M
14-Nov-09	9.9	M	M
15-Nov-09	6.0	M	M
16-Nov-09	2.6	M	M
17-Nov-09	2.5	M	M
18-Nov-09	0.0	M	M
19-Nov-09	1.1	M	M
20-Nov-09	1.8	M	M
21-Nov-09	1.9	M	M
22-Nov-09	0.8	M	M
23-Nov-09	5.7	M	M
24-Nov-09	2.4	M	M
25-Nov-09	5.3	M	M
26-Nov-09	5.0	M	M
27-Nov-09	1.9	M	M
28-Nov-09	4.6	M	M
29-Nov-09	6.3	M	M
30-Nov-09	0.6	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Dec-09	0.9	M	M
2-Dec-09	0.0	M	M
3-Dec-09	6.2	M	M
4-Dec-09	0.0	M	M
5-Dec-09	0.0	M	M
6-Dec-09	0.9	M	M
7-Dec-09	0.0	M	M
8-Dec-09	0.0	M	M
9-Dec-09	0.0	M	M
10-Dec-09	0.0	M	M
11-Dec-09	0.0	M	M
12-Dec-09	0.0	M	M
13-Dec-09	0.0	M	M
14-Dec-09	0.0	M	M
15-Dec-09	0.0	M	M
16-Dec-09	11.6	M	M
17-Dec-09	0.0	M	M
18-Dec-09	0.0	M	M
19-Dec-09	9.8	M	M
20-Dec-09	0.0	M	M
21-Dec-09	16.1	M	M
22-Dec-09	0.0	M	M
23-Dec-09	27.3	M	M
24-Dec-09	0.0	M	M
25-Dec-09	14.3	M	M
26-Dec-09	0.0	M	M
27-Dec-09	0.0	M	M
28-Dec-09	29.0	M	M
29-Dec-09	0.0	M	M
30-Dec-09	9.7	M	M
31-Dec-09	39.0	M	M

**Appendix 5. Total Daily Precipitation (mm)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jan-10	16.5	M	M
2-Jan-10	9.5	M	M
3-Jan-10	0.0	M	M
4-Jan-10	0.0	M	M
5-Jan-10	0.0	M	M
6-Jan-10	0.0	M	M
7-Jan-10	16.3	M	M
8-Jan-10	4.4	M	M
9-Jan-10	6.6	M	M
10-Jan-10	0.0	M	M
11-Jan-10	0.0	M	M
12-Jan-10	11.1	M	M
13-Jan-10	0.0	M	M
14-Jan-10	28.2	M	M
15-Jan-10	0.0	M	M
16-Jan-10	13.8	M	M
17-Jan-10	2.3	M	M
18-Jan-10	8.7	M	M
19-Jan-10	0.0	M	M
20-Jan-10	3.3	M	M
21-Jan-10	0.0	M	M
22-Jan-10	0.0	M	M
23-Jan-10	0.0	M	M
24-Jan-10	1.4	M	M
25-Jan-10	17.8	M	M
26-Jan-10	0.0	M	M
27-Jan-10	15.1	M	M
28-Jan-10	0.0	M	M
29-Jan-10	4.9	M	M
30-Jan-10	0.0	M	M
31-Jan-10	0.0	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Feb-10	0.0	M	M
2-Feb-10	0.0	M	M
3-Feb-10	15.2	M	M
4-Feb-10	1.0	M	M
5-Feb-10	17.2	M	M
6-Feb-10	16.2	M	M
7-Feb-10	0.0	M	M
8-Feb-10	0.0	M	M
9-Feb-10	13.9	M	M
10-Feb-10	15.1	M	M
11-Feb-10	0.0	M	M
12-Feb-10	0.0	M	M
13-Feb-10	23.4	M	M
14-Feb-10	0.0	M	M
15-Feb-10	6.3	M	M
16-Feb-10	0.9	M	M
17-Feb-10	1.8	M	M
18-Feb-10	26.9	M	M
19-Feb-10	0.0	M	M
20-Feb-10	0.0	M	M
21-Feb-10	0.0	M	M
22-Feb-10	13.9	M	M
23-Feb-10	4.5	M	M
24-Feb-10	1.0	M	M
25-Feb-10	0.0	M	M
26-Feb-10	2.9	M	M
27-Feb-10	0.0	M	M
28-Feb-10	23.7	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Mar-10	8.0	M	M
2-Mar-10	0.0	M	M
3-Mar-10	13.8	M	M
4-Mar-10	5.9	M	M
5-Mar-10	18.4	M	M
6-Mar-10	0.0	M	M
7-Mar-10	12.0	M	M
8-Mar-10	9.4	M	M
9-Mar-10	0.0	M	M
10-Mar-10	24.9	M	M
11-Mar-10	0.0	M	M
12-Mar-10	3.5	M	M
13-Mar-10	10.1	M	M
14-Mar-10	0.0	M	M
15-Mar-10	15.6	M	M
16-Mar-10	21.0	M	M
17-Mar-10	0.0	M	M
18-Mar-10	8.7	M	M
19-Mar-10	0.0	M	M
20-Mar-10	8.3	M	M
21-Mar-10	9.3	M	M
22-Mar-10	13.4	M	M
23-Mar-10	14.3	M	M
24-Mar-10	0.0	M	M
25-Mar-10	0.0	M	M
26-Mar-10	12.3	M	M
27-Mar-10	0.0	M	M
28-Mar-10	0.0	M	M
29-Mar-10	0.0	M	M
30-Mar-10	0.0	M	M
31-Mar-10	15.3	M	M

**Appendix 5. Total Daily Precipitation (mm)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Apr-10	14.4	M	M
2-Apr-10	0.0	M	M
3-Apr-10	0.0	M	M
4-Apr-10	22.2	M	M
5-Apr-10	8.1	M	M
6-Apr-10	0.0	M	M
7-Apr-10	0.0	M	M
8-Apr-10	0.0	M	M
9-Apr-10	14.8	M	M
10-Apr-10	15.9	M	M
11-Apr-10	0.0	M	M
12-Apr-10	0.0	M	M
13-Apr-10	13.9	M	M
14-Apr-10	15.2	M	M
15-Apr-10	0.0	M	M
16-Apr-10	5.6	M	M
17-Apr-10	0.0	M	M
18-Apr-10	22.7	M	M
19-Apr-10	0.0	M	M
20-Apr-10	0.0	M	M
21-Apr-10	0.7	M	M
22-Apr-10	0.0	M	M
23-Apr-10	36.5	M	M
24-Apr-10	0.8	M	M
25-Apr-10	12.1	M	M
26-Apr-10	0.0	M	M
27-Apr-10	0.0	M	M
28-Apr-10	4.6	M	M
29-Apr-10	0.7	M	M
30-Apr-10	2.7	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-May-10	0.0	M	M
2-May-10	0.0	M	M
3-May-10	12.5	M	M
4-May-10	1.3	M	M
5-May-10	0.0	M	M
6-May-10	10.1	M	M
7-May-10	0.0	M	M
8-May-10	0.0	M	M
9-May-10	0.0	M	M
10-May-10	7.3	M	M
11-May-10	9.4	M	M
12-May-10	0.0	M	M
13-May-10	0.0	M	M
14-May-10	21.5	M	M
15-May-10	0.0	M	M
16-May-10	11.4	M	M
17-May-10	15.1	M	M
18-May-10	0.0	M	M
19-May-10	16.9	M	M
20-May-10	0.0	M	M
21-May-10	0.7	M	M
22-May-10	7.5	M	M
23-May-10	0.0	M	M
24-May-10	15.8	M	M
25-May-10	2.3	M	M
26-May-10	2.9	M	M
27-May-10	0.0	M	M
28-May-10	0.0	M	M
29-May-10	0.0	M	M
30-May-10	2.9	M	M
31-May-10	0.0	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jun-10	2.3	M	M
2-Jun-10	0.0	M	M
3-Jun-10	2.4	M	M
4-Jun-10	1.8	M	M
5-Jun-10	0.0	M	M
6-Jun-10	7.6	M	M
7-Jun-10	0.6	M	M
8-Jun-10	0.0	M	M
9-Jun-10	5.9	M	M
10-Jun-10	2.9	M	M
11-Jun-10	11.2	M	M
12-Jun-10	13.6	M	M
13-Jun-10	6.8	M	M
14-Jun-10	2.3	M	M
15-Jun-10	5.7	M	M
16-Jun-10	3.0	M	M
17-Jun-10	0.0	M	M
18-Jun-10	6.6	M	M
19-Jun-10	0.0	M	M
20-Jun-10	0.0	M	M
21-Jun-10	0.0	M	M
22-Jun-10	9.0	M	M
23-Jun-10	3.0	M	M
24-Jun-10	0.0	M	M
25-Jun-10	0.0	M	M
26-Jun-10	3.6	M	M
27-Jun-10	0.0	M	M
28-Jun-10	2.4	M	M
29-Jun-10	0.0	M	M
30-Jun-10	19.5	M	M



**Appendix 5. Total Daily Precipitation (mm)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jul-10	6.9	M	M
2-Jul-10	2.4	M	M
3-Jul-10	4.3	M	M
4-Jul-10	2.4	M	M
5-Jul-10	14.1	M	M
6-Jul-10	0.0	M	M
7-Jul-10	2.6	M	M
8-Jul-10	0.3	M	M
9-Jul-10	1.3	M	M
10-Jul-10	0.8	M	M
11-Jul-10	2.7	M	M
12-Jul-10	0.0	M	M
13-Jul-10	0.0	M	M
14-Jul-10	1.6	M	M
15-Jul-10	2.7	M	M
16-Jul-10	0.0	M	M
17-Jul-10	0.3	M	M
18-Jul-10	0.0	M	M
19-Jul-10	0.0	M	M
20-Jul-10	0.3	M	M
21-Jul-10	0.5	M	M
22-Jul-10	0.3	M	M
23-Jul-10	33.9	M	M
24-Jul-10	2.1	M	M
25-Jul-10	0.0	M	M
26-Jul-10	0.3	M	M
27-Jul-10	0.0	M	M
28-Jul-10	0.3	M	M
29-Jul-10	0.0	0.0	M
30-Jul-10	0.0	0.0	M
31-Jul-10	0.0	0.0	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Aug-10	0.0	0.0	M
2-Aug-10	1.3	0.0	M
3-Aug-10	0.4	0.0	M
4-Aug-10	0.0	0.0	M
5-Aug-10	0.0	0.0	M
6-Aug-10	7.4	1.5	M
7-Aug-10	2.3	0.3	M
8-Aug-10	2.3	0.0	M
9-Aug-10	0.0	0.0	M
10-Aug-10	0.0	0.0	M
11-Aug-10	0.3	0.0	M
12-Aug-10	0.0	0.0	M
13-Aug-10	0.0	0.0	M
14-Aug-10	0.0	0.0	M
15-Aug-10	0.0	0.0	M
16-Aug-10	0.0	0.0	M
17-Aug-10	2.1	0.0	M
18-Aug-10	3.6	0.5	M
19-Aug-10	2.8	0.0	M
20-Aug-10	0.8	0.0	M
21-Aug-10	0.0	0.0	M
22-Aug-10	0.3	0.0	M
23-Aug-10	22.4	14.0	M
24-Aug-10	18.0	15.2	M
25-Aug-10	0.4	0.3	M
26-Aug-10	0.5	0.0	M
27-Aug-10	0.0	0.0	M
28-Aug-10	0.0	0.0	M
29-Aug-10	0.0	0.0	M
30-Aug-10	0.5	0.5	M
31-Aug-10	10.4	7.4	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Sep-10	9.4	5.6	M
2-Sep-10	105.4	51.3	M
3-Sep-10	14.3	13.0	M
4-Sep-10	0.0	0.0	M
5-Sep-10	8.4	5.8	M
6-Sep-10	3.0	4.6	M
7-Sep-10	0.0	0.0	M
8-Sep-10	0.0	0.0	M
9-Sep-10	3.0	0.3	M
10-Sep-10	1.8	1.0	M
11-Sep-10	0.3	0.5	M
12-Sep-10	0.0	0.3	M
13-Sep-10	0.6	0.3	M
14-Sep-10	0.0	0.3	M
15-Sep-10	0.3	0.3	M
16-Sep-10	0.8	0.0	M
17-Sep-10	0.0	0.0	M
18-Sep-10	0.0	1.3	M
19-Sep-10	0.0	1.2	M
20-Sep-10	0.0	0.0	M
21-Sep-10	0.8	0.0	M
22-Sep-10	0.0	0.3	M
23-Sep-10	9.4	2.0	M
24-Sep-10	50.3	17.0	M
25-Sep-10	31.0	15.8	M
26-Sep-10	16.5	7.6	M
27-Sep-10	78.5	50.3	M
28-Sep-10	10.9	6.8	M
29-Sep-10	2.3	0.5	M
30-Sep-10	0.5	0.7	M

**Appendix 5. Total Daily Precipitation (mm)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Oct-10	2.0	0.5	M
2-Oct-10	4.2	0.8	M
3-Oct-10	0.3	0.3	M
4-Oct-10	4.2	1.3	M
5-Oct-10	7.9	16.8	M
6-Oct-10	52.3	31.7	M
7-Oct-10	17.8	12.2	M
8-Oct-10	6.7	9.7	M
9-Oct-10	63.5	24.9	M
10-Oct-10	17.6	25.2	M
11-Oct-10	7.4	8.4	M
12-Oct-10	15.9	11.9	M
13-Oct-10	10.8	8.6	M
14-Oct-10	14.4	8.9	M
15-Oct-10	3.4	0.7	M
16-Oct-10	11.1	10.8	M
17-Oct-10	1.7	19.3	M
18-Oct-10	3.9	5.6	M
19-Oct-10	0.0	0.3	M
20-Oct-10	6.1	4.0	M
21-Oct-10	1.3	1.8	M
22-Oct-10	0.0	1.9	M
23-Oct-10	0.9	4.8	M
24-Oct-10	1.5	0.0	M
25-Oct-10	0.0	0.0	M
26-Oct-10	3.1	3.3	M
27-Oct-10	0.9	0.5	M
28-Oct-10	0.0	0.3	M
29-Oct-10	1.6	16.4	M
30-Oct-10	6.0	16.8	M
31-Oct-10	4.9	5.8	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Nov-10	18.9	18.5	M
2-Nov-10	27.5	23.2	M
3-Nov-10	8.9	15.5	M
4-Nov-10	28.4	27.7	M
5-Nov-10	7.8	4.3	M
6-Nov-10	1.9	0.0	M
7-Nov-10	2.9	1.7	M
8-Nov-10	2.6	0.0	M
9-Nov-10	0.0	1.0	M
10-Nov-10	0.0	0.3	M
11-Nov-10	10.5	0.0	M
12-Nov-10	2.8	0.0	M
13-Nov-10	8.6	0.5	M
14-Nov-10	4.9	18.4	M
15-Nov-10	0.9	0.0	M
16-Nov-10	0.0	0.0	M
17-Nov-10	0.0	2.4	M
18-Nov-10	1.4	0.0	M
19-Nov-10	0.0	0.7	M
20-Nov-10	0.0	1.0	M
21-Nov-10	0.0	0.7	M
22-Nov-10	0.0	0.4	M
23-Nov-10	1.0	0.4	M
24-Nov-10	9.9	7.8	M
25-Nov-10	2.1	8.2	M
26-Nov-10	4.8	2.5	M
27-Nov-10	0.8	0.4	M
28-Nov-10	0.0	0.3	M
29-Nov-10	1.3	5.4	M
30-Nov-10	5.7	4.5	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Dec-10	1.9	0.4	M
2-Dec-10	0.0	0.6	M
3-Dec-10	1.2	0.0	M
4-Dec-10	0.0	0.6	M
5-Dec-10	0.0	0.0	M
6-Dec-10	0.0	0.0	M
7-Dec-10	2.2	2.4	M
8-Dec-10	1.8	2.2	M
9-Dec-10	0.0	0.0	M
10-Dec-10	0.0	0.3	M
11-Dec-10	2.1	2.3	M
12-Dec-10	0.0	5.7	M
13-Dec-10	5.4	5.3	M
14-Dec-10	0.0	0.0	M
15-Dec-10	2.4	3.5	M
16-Dec-10	0.0	0.0	M
17-Dec-10	0.0	0.0	M
18-Dec-10	0.0	0.0	M
19-Dec-10	0.0	0.0	M
20-Dec-10	0.0	0.0	M
21-Dec-10	0.0	0.4	M
22-Dec-10	1.0	1.2	M
23-Dec-10	0.0	6.5	M
24-Dec-10	5.3	2.1	M
25-Dec-10	0.8	0.9	M
26-Dec-10	0.5	0.0	M
27-Dec-10	5.7	0.0	M
28-Dec-10	0.5	0.0	M
29-Dec-10	0.0	0.3	M
30-Dec-10	0.9	0.0	M
31-Dec-10	1.2	0.0	M

**Appendix 5. Total Daily Precipitation (mm)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jan-11	1.4	1.7	M
2-Jan-11	0.4	0.0	M
3-Jan-11	0.7	0.6	M
4-Jan-11	2.7	4.0	M
5-Jan-11	11.4	19.3	M
6-Jan-11	3.1	4.8	M
7-Jan-11	0.0	0.0	M
8-Jan-11	0.1	0.0	M
9-Jan-11	0.0	0.0	M
10-Jan-11	0.0	0.0	M
11-Jan-11	0.3	0.0	M
12-Jan-11	0.0	0.0	M
13-Jan-11	0.2	0.0	M
14-Jan-11	0.0	0.0	M
15-Jan-11	1.3	1.6	M
16-Jan-11	2.5	3.7	M
17-Jan-11	0.6	0.3	M
18-Jan-11	3.4	5.4	M
19-Jan-11	8.8	14.8	M
20-Jan-11	3.7	5.9	M
21-Jan-11	7.2	12.0	M
22-Jan-11	14.9	25.4	M
23-Jan-11	3.0	4.5	M
24-Jan-11	3.8	6.0	M
25-Jan-11	9.4	15.8	M
26-Jan-11	11.6	19.7	M
27-Jan-11	2.6	3.9	M
28-Jan-11	0.2	0.0	M
29-Jan-11	0.0	0.0	M
30-Jan-11	0.5	0.2	M
31-Jan-11	0.0	0.0	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Feb-11	5.3	8.7	M
2-Feb-11	4.7	7.5	M
3-Feb-11	9.6	16.2	M
4-Feb-11	3.4	5.3	M
5-Feb-11	1.3	1.7	M
6-Feb-11	3.0	4.5	M
7-Feb-11	0.3	0.0	M
8-Feb-11	0.0	0.0	M
9-Feb-11	5.6	9.2	M
10-Feb-11	6.6	10.9	M
11-Feb-11	2.6	4.0	M
12-Feb-11	11.4	19.3	M
13-Feb-11	3.8	6.0	M
14-Feb-11	2.7	4.1	M
15-Feb-11	2.4	3.6	M
16-Feb-11	2.0	2.9	M
17-Feb-11	0.0	0.0	M
18-Feb-11	0.0	0.0	M
19-Feb-11	2.8	4.3	M
20-Feb-11	2.4	3.5	M
21-Feb-11	2.0	2.8	M
22-Feb-11	0.3	0.0	M
23-Feb-11	0.0	0.0	M
24-Feb-11	0.0	0.0	M
25-Feb-11	0.4	0.0	M
26-Feb-11	4.8	7.8	M
27-Feb-11	0.6	0.3	M
28-Feb-11	0.0	0.0	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Mar-11	0.0	0.0	M
2-Mar-11	1.0	1.1	M
3-Mar-11	0.0	0.0	M
4-Mar-11	1.1	1.2	M
5-Mar-11	1.0	1.1	M
6-Mar-11	0.0	0.0	M
7-Mar-11	0.2	0.0	M
8-Mar-11	0.0	0.0	M
9-Mar-11	1.3	1.6	M
10-Mar-11	9.2	15.5	M
11-Mar-11	4.0	6.3	M
12-Mar-11	1.2	1.4	M
13-Mar-11	0.5	0.2	M
14-Mar-11	3.2	5.0	M
15-Mar-11	1.3	3.7	M
16-Mar-11	2.3	2.1	M
17-Mar-11	0.1	0.1	M
18-Mar-11	0.0	0.0	M
19-Mar-11	0.0	0.0	M
20-Mar-11	2.0	0.0	M
21-Mar-11	0.2	0.0	M
22-Mar-11	0.0	0.3	M
23-Mar-11	0.2	2.0	M
24-Mar-11	0.0	0.0	M
25-Mar-11	0.2	0.0	M
26-Mar-11	0.0	0.0	M
27-Mar-11	0.6	1.4	M
28-Mar-11	0.2	0.8	M
29-Mar-11	3.2	6.0	M
30-Mar-11	13.0	16.2	M
31-Mar-11	7.0	1.9	M

**Appendix 5. Total Daily Precipitation (mm)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Apr-11	5.3	2.0	M
2-Apr-11	0.0	1.6	M
3-Apr-11	0.4	7.1	M
4-Apr-11	4.9	4.0	M
5-Apr-11	0.0	0.4	M
6-Apr-11	1.1	0.4	M
7-Apr-11	0.6	1.5	M
8-Apr-11	3.7	1.1	M
9-Apr-11	8.4	4.4	M
10-Apr-11	0.4	1.4	M
11-Apr-11	0.0	1.2	M
12-Apr-11	0.2	2.7	M
13-Apr-11	4.7	0.9	M
14-Apr-11	10.3	7.0	M
15-Apr-11	0.0	0.0	M
16-Apr-11	2.4	0.9	M
17-Apr-11	11.6	3.8	M
18-Apr-11	0.7	0.0	M
19-Apr-11	0.2	0.0	M
20-Apr-11	1.2	0.4	M
21-Apr-11	0.6	0.0	M
22-Apr-11	1.1	0.1	M
23-Apr-11	0.0	0.1	M
24-Apr-11	0.0	0.4	M
25-Apr-11	0.2	0.0	M
26-Apr-11	0.8	0.0	M
27-Apr-11	0.0	0.1	M
28-Apr-11	0.1	0.0	M
29-Apr-11	0.0	0.3	M
30-Apr-11	0.1	0.1	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-May-11	0.0	0.5	M
2-May-11	4.1	4.1	M
3-May-11	4.5	1.4	M
4-May-11	0.2	6.4	M
5-May-11	0.0	1.5	M
6-May-11	0.5	0.0	M
7-May-11	0.1	0.0	M
8-May-11	0.3	0.0	M
9-May-11	6.1	0.3	M
10-May-11	4.0	5.0	M
11-May-11	0.4	0.3	M
12-May-11	1.5	0.0	M
13-May-11	0.0	0.0	M
14-May-11	0.0	0.0	M
15-May-11	0.2	0.0	M
16-May-11	4.2	3.3	M
17-May-11	8.8	6.9	M
18-May-11	2.1	2.8	M
19-May-11	0.5	0.0	M
20-May-11	0.1	0.3	M
21-May-11	2.7	2.9	M
22-May-11	12.6	15.1	M
23-May-11	9.4	0.8	M
24-May-11	1.6	0.5	M
25-May-11	0.3	0.0	M
26-May-11	0.8	0.0	M
27-May-11	2.0	0.8	M
28-May-11	0.7	0.0	M
29-May-11	0.0	0.0	M
30-May-11	0.1	1.3	M
31-May-11	0.0	0.0	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jun-11	0.0	0.2	M
2-Jun-11	0.9	0.0	M
3-Jun-11	0.0	0.2	M
4-Jun-11	4.8	2.2	M
5-Jun-11	2.4	0.0	M
6-Jun-11	0.5	0.1	M
7-Jun-11	1.0	0.0	M
8-Jun-11	0.0	0.2	M
9-Jun-11	0.0	0.0	M
10-Jun-11	1.2	0.1	M
11-Jun-11	0.3	0.0	M
12-Jun-11	0.3	0.0	M
13-Jun-11	2.4	0.0	M
14-Jun-11	2.5	0.5	M
15-Jun-11	0.4	0.0	M
16-Jun-11	0.0	0.0	M
17-Jun-11	0.0	0.0	M
18-Jun-11	2.0	1.3	M
19-Jun-11	2.5	0.3	M
20-Jun-11	1.6	0.0	M
21-Jun-11	0.0	0.1	M
22-Jun-11	0.5	0.0	M
23-Jun-11	5.3	4.2	M
24-Jun-11	10.9	9.7	M
25-Jun-11	1.3	0.0	M
26-Jun-11	0.3	0.0	M
27-Jun-11	4.2	0.0	M
28-Jun-11	3.3	0.5	M
29-Jun-11	6.4	0.3	M
30-Jun-11	1.5	0.5	M

**Appendix 5. Total Daily Precipitation (mm)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jul-11	19.2	2.3	M
2-Jul-11	11.2	3.1	M
3-Jul-11	4.0	0.8	M
4-Jul-11	7.9	2.0	M
5-Jul-11	0.8	2.8	M
6-Jul-11	0.0	0.0	M
7-Jul-11	0.5	0.0	M
8-Jul-11	1.5	0.0	M
9-Jul-11	0.0	0.0	M
10-Jul-11	7.4	0.0	M
11-Jul-11	0.0	0.0	M
12-Jul-11	0.0	0.0	M
13-Jul-11	1.3	0.1	M
14-Jul-11	0.0	0.3	M
15-Jul-11	0.1	0.0	M
16-Jul-11	0.0	0.0	M
17-Jul-11	1.3	0.1	M
18-Jul-11	4.1	0.6	M
19-Jul-11	1.8	0.0	M
20-Jul-11	5.1	5.9	M
21-Jul-11	1.7	0.0	M
22-Jul-11	1.4	0.0	M
23-Jul-11	0.0	0.0	M
24-Jul-11	3.0	1.3	M
25-Jul-11	0.8	0.0	M
26-Jul-11	3.3	1.3	M
27-Jul-11	15.0	6.6	M
28-Jul-11	5.6	2.8	M
29-Jul-11	1.7	1.8	M
30-Jul-11	1.5	1.8	M
31-Jul-11	0.5	0.3	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Aug-11	0.0	0.0	M
2-Aug-11	2.3	0.0	M
3-Aug-11	0.1	0.0	M
4-Aug-11	6.1	4.0	M
5-Aug-11	0.2	0.0	M
6-Aug-11	2.6	0.0	M
7-Aug-11	0.0	0.0	M
8-Aug-11	0.0	0.0	M
9-Aug-11	0.0	0.0	M
10-Aug-11	2.4	0.2	M
11-Aug-11	11.4	5.1	M
12-Aug-11	0.0	0.0	M
13-Aug-11	0.5	0.3	0.8
14-Aug-11	1.4	0.0	4.6
15-Aug-11	11.4	5.5	3.4
16-Aug-11	22.4	11.3	17.4
17-Aug-11	5.8	3.3	1.3
18-Aug-11	0.0	0.0	0.1
19-Aug-11	21.1	13.0	8.5
20-Aug-11	60.5	25.3	25.9
21-Aug-11	20.3	12.5	10.9
22-Aug-11	6.9	2.8	1.3
23-Aug-11	32.5	16.5	20.7
24-Aug-11	11.4	5.1	7.4
25-Aug-11	0.0	0.0	0.0
26-Aug-11	5.6	2.2	1.3
27-Aug-11	1.8	0.5	0.8
28-Aug-11	14.7	8.6	7.9
29-Aug-11	2.3	0.8	0.5
30-Aug-11	0.2	0.0	0.0
31-Aug-11	0.3	0.0	0.2

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Sep-11	10.7	6.4	5.6
2-Sep-11	0.8	0.0	0.1
3-Sep-11	28.7	8.0	6.5
4-Sep-11	16.8	4.5	6.4
5-Sep-11	18.3	10.6	7.6
6-Sep-11	126.7	54.3	75.8
7-Sep-11	46.5	30.3	32.1
8-Sep-11	63.3	32.1	32.3
9-Sep-11	7.9	2.0	7.1
10-Sep-11	0.0	0.2	0.1
11-Sep-11	0.0	0.0	0.0
12-Sep-11	1.0	0.0	0.0
13-Sep-11	0.0	0.3	0.5
14-Sep-11	3.0	1.0	1.9
15-Sep-11	2.5	1.3	1.3
16-Sep-11	1.0	0.0	0.1
17-Sep-11	4.9	0.3	0.3
18-Sep-11	22.9	8.6	26.4
19-Sep-11	3.6	2.5	0.5
20-Sep-11	57.7	22.7	7.9
21-Sep-11	45.7	17.3	20.5
22-Sep-11	4.1	19.5	18.6
23-Sep-11	24.5	20.6	22.8
24-Sep-11	8.4	0.8	0.0
25-Sep-11	3.5	1.5	2.5
26-Sep-11	3.3	5.3	5.6
27-Sep-11	9.2	9.1	10.8
28-Sep-11	2.5	1.0	0.3
29-Sep-11	7.1	10.5	17.2
30-Sep-11	2.6	2.3	4.1

**Appendix 5. Total Daily Precipitation (mm)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Oct-11	0.0	0.0	0.6
2-Oct-11	0.0	0.0	0.0
3-Oct-11	0.6	2.0	1.1
4-Oct-11	5.8	3.8	2.3
5-Oct-11	0.0	0.0	0.0
6-Oct-11	3.7	1.5	0.4
7-Oct-11	3.8	2.0	0.8
8-Oct-11	8.1	17.3	17.8
9-Oct-11	9.7	7.4	10.0
10-Oct-11	0.0	0.0	0.4
11-Oct-11	7.0	3.8	4.7
12-Oct-11	3.4	3.9	1.8
13-Oct-11	3.7	2.3	1.1
14-Oct-11	0.3	0.2	0.0
15-Oct-11	0.0	0.4	0.8
16-Oct-11	2.0	2.9	3.4
17-Oct-11	10.2	17.1	17.4
18-Oct-11	31.8	11.9	17.8
19-Oct-11	7.0	1.7	0.0
20-Oct-11	0.1	0.1	0.0
21-Oct-11	7.8	6.6	5.3
22-Oct-11	8.3	7.9	14.9
23-Oct-11	4.0	8.1	4.7
24-Oct-11	0.8	4.1	0.5
25-Oct-11	0.2	4.0	6.7
26-Oct-11	5.9	5.5	16.2
27-Oct-11	4.6	5.6	5.7
28-Oct-11	6.2	13.8	25.7
29-Oct-11	10.7	13.2	33.7
30-Oct-11	6.3	15.4	14.0
31-Oct-11	1.5	1.8	0.7

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Nov-11	4.4	22.6	23.5
2-Nov-11	15.5	0.9	12.1
3-Nov-11	0.0	0.0	M
4-Nov-11	0.0	0.0	M
5-Nov-11	2.6	4.0	M
6-Nov-11	4.2	6.7	M
7-Nov-11	4.9	7.9	M
8-Nov-11	0.2	0.0	M
9-Nov-11	8.6	14.4	M
10-Nov-11	3.4	5.2	M
11-Nov-11	3.7	5.9	M
12-Nov-11	5.1	8.3	M
13-Nov-11	2.4	3.6	M
14-Nov-11	2.5	3.6	M
15-Nov-11	3.2	5.0	M
16-Nov-11	4.2	6.7	M
17-Nov-11	0.0	0.0	M
18-Nov-11	0.6	0.3	M
19-Nov-11	1.0	1.0	M
20-Nov-11	0.8	0.7	M
21-Nov-11	2.9	4.5	M
22-Nov-11	1.7	2.3	M
23-Nov-11	4.6	7.3	M
24-Nov-11	14.0	23.9	M
25-Nov-11	2.1	3.0	M
26-Nov-11	16.1	27.6	M
27-Nov-11	1.2	1.4	M
28-Nov-11	7.7	12.9	M
29-Nov-11	0.0	0.0	M
30-Nov-11	1.0	1.1	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Dec-11	8.9	14.9	M
2-Dec-11	2.0	2.8	M
3-Dec-11	0.5	0.2	M
4-Dec-11	1.0	1.0	M
5-Dec-11	9.0	15.1	M
6-Dec-11	0.3	0.0	M
7-Dec-11	0.1	0.0	M
8-Dec-11	0.5	0.2	M
9-Dec-11	2.2	3.3	M
10-Dec-11	7.6	12.7	M
11-Dec-11	0.0	0.0	M
12-Dec-11	5.0	8.0	M
13-Dec-11	0.3	0.0	M
14-Dec-11	0.0	0.0	M
15-Dec-11	0.0	3.1	M
16-Dec-11	8.7	16.6	M
17-Dec-11	0.0	0.0	M
18-Dec-11	1.6	6.9	M
19-Dec-11	20.4	26.5	12.3
20-Dec-11	2.1	0.0	2.7
21-Dec-11	2.0	6.9	4.1
22-Dec-11	3.4	14.3	6.8
23-Dec-11	7.4	18.4	7.3
24-Dec-11	7.4	16.5	1.3
25-Dec-11	2.8	0.0	0.4
26-Dec-11	9.7	5.1	0.0
27-Dec-11	2.4	0.0	0.1
28-Dec-11	8.4	5.7	0.0
29-Dec-11	2.6	0.0	0.2
30-Dec-11	3.5	0.0	0.0
31-Dec-11	0.3	0.7	0.4

**Appendix 5. Total Daily Precipitation (mm)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jan-12	15.7	4.4	0.0
2-Jan-12	6.9	0.1	0.3
3-Jan-12	9.8	8.4	0.0
4-Jan-12	15.4	0.0	0.0
5-Jan-12	3.2	0.7	1.8
6-Jan-12	1.1	0.3	2.0
7-Jan-12	17.7	7.4	8.2
8-Jan-12	9.0	0.0	11.2
9-Jan-12	2.3	1.0	1.0
10-Jan-12	0.0	0.0	0.3
11-Jan-12	2.5	0.3	2.9
12-Jan-12	11.4	0.3	10.0
13-Jan-12	0.8	0.0	2.6
14-Jan-12	0.0	0.0	0.1
15-Jan-12	0.0	1.4	0.0
16-Jan-12	0.0	0.4	0.0
17-Jan-12	0.2	0.3	0.0
18-Jan-12	0.0	0.0	0.0
19-Jan-12	0.0	0.4	0.0
20-Jan-12	6.1	2.1	0.0
21-Jan-12	2.4	0.2	0.0
22-Jan-12	1.2	0.0	3.1
23-Jan-12	0.2	1.6	2.3
24-Jan-12	7.7	6.6	5.1
25-Jan-12	15.5	0.0	0.1
26-Jan-12	5.0	2.1	0.0
27-Jan-12	3.9	1.9	0.1
28-Jan-12	4.6	0.8	0.0
29-Jan-12	1.4	4.2	0.0
30-Jan-12	11.3	3.3	0.1
31-Jan-12	3.3	0.0	0.0

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Feb-12	2.8	0.0	0.0
2-Feb-12	2.7	0.0	40.4
3-Feb-12	2.7	35.8	3.9
4-Feb-12	0.0	4.0	0.2
5-Feb-12	0.5	0.0	0.0
6-Feb-12	0.0	0.3	1.4
7-Feb-12	0.0	0.0	0.3
8-Feb-12	0.7	7.0	0.3
9-Feb-12	1.5	0.0	3.4
10-Feb-12	0.0	2.2	1.1
11-Feb-12	0.4	0.0	0.2
12-Feb-12	3.2	2.4	1.2
13-Feb-12	0.0	0.7	0.1
14-Feb-12	0.0	0.0	0.0
15-Feb-12	0.5	1.8	0.4
16-Feb-12	1.1	1.5	1.5
17-Feb-12	0.0	3.9	0.2
18-Feb-12	1.9	0.6	0.8
19-Feb-12	0.0	2.4	2.2
20-Feb-12	6.3	11.5	5.2
21-Feb-12	5.6	4.1	3.2
22-Feb-12	2.2	4.0	1.4
23-Feb-12	0.0	0.2	0.1
24-Feb-12	0.0	0.5	0.0
25-Feb-12	0.0	0.0	0.0
26-Feb-12	0.1	0.4	0.0
27-Feb-12	0.6	5.4	6.1
28-Feb-12	0.4	0.2	1.1
29-Feb-12	0.4	0.9	0.9

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Mar-12	0.4	3.0	1.6
2-Mar-12	9.5	8.2	5.2
3-Mar-12	4.8	4.2	4.6
4-Mar-12	1.6	2.1	1.7
5-Mar-12	0.0	0.5	0.0
6-Mar-12	4.0	4.3	3.9
7-Mar-12	11.1	0.0	7.2
8-Mar-12	5.2	0.0	23.2
9-Mar-12	6.7	2.3	13.2
10-Mar-12	1.9	0.0	25.1
11-Mar-12	1.7	0.0	5.7
12-Mar-12	0.0	0.0	0.1
13-Mar-12	0.3	3.9	1.0
14-Mar-12	0.2	0.1	5.1
15-Mar-12	1.3	9.3	5.9
16-Mar-12	0.6	4.2	1.6
17-Mar-12	0.0	6.9	6.9
18-Mar-12	0.0	0.0	0.2
19-Mar-12	0.3	9.7	0.0
20-Mar-12	0.6	4.0	1.9
21-Mar-12	1.8	6.8	1.4
22-Mar-12	0.3	9.2	1.9
23-Mar-12	2.2	3.1	0.5
24-Mar-12	0.1	0.0	0.0
25-Mar-12	0.0	0.0	0.1
26-Mar-12	0.0	0.0	0.0
27-Mar-12	0.0	0.0	0.0
28-Mar-12	2.9	4.3	4.7
29-Mar-12	2.6	3.9	1.7
30-Mar-12	4.2	6.7	0.0
31-Mar-12	0.0	0.0	0.0

**Appendix 5. Total Daily Precipitation (mm)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Apr-12	0.2	0.0	0.0
2-Apr-12	7.1	11.8	14.5
3-Apr-12	0.0	0.0	0.0
4-Apr-12	0.0	0.0	0.3
5-Apr-12	0.0	0.0	0.0
6-Apr-12	0.0	0.0	0.0
7-Apr-12	0.0	0.0	0.0
8-Apr-12	0.0	0.0	0.0
9-Apr-12	0.0	0.0	0.0
10-Apr-12	0.3	0.0	1.6
11-Apr-12	3.7	5.8	5.5
12-Apr-12	8.0	13.3	3.2
13-Apr-12	2.1	3.0	0.6
14-Apr-12	1.7	2.2	0.6
15-Apr-12	0.0	0.0	0.0
16-Apr-12	0.4	0.0	0.1
17-Apr-12	1.5	2.0	1.9
18-Apr-12	1.6	2.2	4.3
19-Apr-12	2.6	3.8	4.5
20-Apr-12	0.7	0.5	2.8
21-Apr-12	0.0	0.0	0.0
22-Apr-12	2.1	3.0	1.0
23-Apr-12	0.7	0.5	1.2
24-Apr-12	0.0	0.0	0.0
25-Apr-12	3.4	5.3	2.2
26-Apr-12	9.0	15.1	12.2
27-Apr-12	10.2	17.2	0.4
28-Apr-12	4.3	6.9	0.7
29-Apr-12	0.8	0.7	0.0
30-Apr-12	8.8	14.7	3.9

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-May-12	4.1	6.5	3.9
2-May-12	0.1	0.0	0.0
3-May-12	0.0	0.0	0.2
4-May-12	3.3	5.1	0.2
5-May-12	3.1	4.8	0.5
6-May-12	4.1	6.5	25.6
7-May-12	7.0	11.6	21.8
8-May-12	3.7	5.8	1.0
9-May-12	4.2	6.7	2.6
10-May-12	2.5	3.7	0.1
11-May-12	0.9	1.0	0.0
12-May-12	1.3	1.6	0.1
13-May-12	5.0	8.2	1.7
14-May-12	0.0	0.0	0.0
15-May-12	0.7	0.6	0.1
16-May-12	1.1	1.3	0.3
17-May-12	1.0	1.1	0.0
18-May-12	0.0	0.0	0.0
19-May-12	0.0	0.0	0.0
20-May-12	3.1	4.7	2.0
21-May-12	6.6	10.9	11.0
22-May-12	1.9	2.7	0.2
23-May-12	0.0	0.0	0.0
24-May-12	0.0	0.0	0.0
25-May-12	0.0	0.0	0.0
26-May-12	2.5	3.0	0.3
27-May-12	0.5	0.4	0.3
28-May-12	0.6	0.1	0.0
29-May-12	0.5	0.0	0.0
30-May-12	4.1	1.1	0.8
31-May-12	1.6	2.9	1.8

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jun-12	4.3	2.9	4.5
2-Jun-12	1.1	0.0	0.5
3-Jun-12	0.1	0.0	0.0
4-Jun-12	0.0	0.0	0.0
5-Jun-12	6.6	0.0	7.9
6-Jun-12	0.3	0.0	0.5
7-Jun-12	5.6	0.0	4.1
8-Jun-12	0.5	0.3	0.0
9-Jun-12	0.3	0.0	0.0
10-Jun-12	1.3	1.3	0.4
11-Jun-12	5.8	9.7	5.9
12-Jun-12	0.4	0.0	0.0
13-Jun-12	0.4	0.0	0.0
14-Jun-12	0.4	0.0	0.1
15-Jun-12	16.3	8.9	16.5
16-Jun-12	18.3	5.8	5.7
17-Jun-12	0.3	0.0	0.1
18-Jun-12	0.5	0.0	0.0
19-Jun-12	0.0	1.3	0.1
20-Jun-12	0.3	0.3	0.2
21-Jun-12	6.1	2.8	0.6
22-Jun-12	0.0	0.0	0.0
23-Jun-12	0.0	0.0	0.0
24-Jun-12	0.0	0.0	0.5
25-Jun-12	1.3	0.4	0.5
26-Jun-12	4.4	0.8	3.1
27-Jun-12	1.3	1.3	1.2
28-Jun-12	3.8	2.5	5.5
29-Jun-12	4.3	1.0	1.4
30-Jun-12	0.8	0.0	0.0



**Appendix 5. Total Daily Precipitation (mm)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jul-12	2.0	0.1	0.2
2-Jul-12	0.0	0.0	0.4
3-Jul-12	0.1	0.1	0.0
4-Jul-12	0.3	0.0	0.0
5-Jul-12	0.1	0.0	0.0
6-Jul-12	0.0	0.0	0.0
7-Jul-12	5.1	4.8	4.4
8-Jul-12	2.5	0.8	0.2
9-Jul-12	4.6	0.0	0.1
10-Jul-12	6.9	1.8	1.0
11-Jul-12	0.0	0.0	M
12-Jul-12	0.1	0.0	M
13-Jul-12	0.0	0.0	1.4
14-Jul-12	4.1	3.3	0.3
15-Jul-12	0.0	0.0	0.1
16-Jul-12	0.0	0.0	0.1
17-Jul-12	0.0	0.0	0.2
18-Jul-12	0.0	0.0	0.1
19-Jul-12	3.6	2.3	1.2
20-Jul-12	7.5	1.8	0.1
21-Jul-12	24.1	18.0	15.6
22-Jul-12	0.3	0.3	0.0
23-Jul-12	1.0	0.0	0.0
24-Jul-12	0.0	0.0	0.0
25-Jul-12	0.0	0.0	0.0
26-Jul-12	0.0	0.0	0.0
27-Jul-12	0.0	0.0	1.2
28-Jul-12	1.3	0.0	0.1
29-Jul-12	3.6	4.1	5.3
30-Jul-12	3.3	0.5	0.1
31-Jul-12	11.9	4.1	7.0

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Aug-12	1.0	0.5	0.0
2-Aug-12	0.8	0.0	0.1
3-Aug-12	11.7	2.3	0.3
4-Aug-12	3.3	0.8	0.1
5-Aug-12	0.0	0.0	0.0
6-Aug-12	0.0	0.0	0.0
7-Aug-12	0.1	0.0	0.0
8-Aug-12	7.1	3.0	10.5
9-Aug-12	5.1	0.5	0.0
10-Aug-12	0.5	0.4	0.0
11-Aug-12	0.0	0.2	0.0
12-Aug-12	0.0	0.1	0.0
13-Aug-12	9.7	18.2	17.3
14-Aug-12	0.0	0.1	0.0
15-Aug-12	0.0	0.2	0.0
16-Aug-12	0.1	0.0	0.0
17-Aug-12	0.0	0.0	0.0
18-Aug-12	0.0	0.0	0.0
19-Aug-12	0.0	0.0	0.0
20-Aug-12	0.0	0.0	0.0
21-Aug-12	0.0	0.0	0.1
22-Aug-12	0.8	0.0	0.6
23-Aug-12	9.0	3.8	9.5
24-Aug-12	0.0	0.0	0.0
25-Aug-12	0.0	0.0	0.0
26-Aug-12	0.1	0.0	0.0
27-Aug-12	2.1	0.0	0.0
28-Aug-12	10.7	9.9	5.4
29-Aug-12	3.3	8.9	9.1
30-Aug-12	0.3	0.3	0.0
31-Aug-12	0.3	0.0	0.0

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Sep-12	0.3	0.0	0.1
2-Sep-12	5.6	3.3	0.1
3-Sep-12	3.8	10.4	2.7
4-Sep-12	4.8	1.8	0.0
5-Sep-12	0.0	0.0	0.0
6-Sep-12	0.0	0.0	0.0
7-Sep-12	0.1	0.0	0.1
8-Sep-12	0.3	0.0	0.0
9-Sep-12	11.7	8.1	2.3
10-Sep-12	7.2	4.1	1.7
11-Sep-12	9.2	6.1	2.4
12-Sep-12	33.1	24.4	17.6
13-Sep-12	42.4	17.0	14.0
14-Sep-12	0.8	1.8	0.9
15-Sep-12	0.0	0.0	0.0
16-Sep-12	0.0	0.0	0.0
17-Sep-12	14.5	5.3	1.5
18-Sep-12	0.3	0.0	0.0
19-Sep-12	0.3	0.1	0.3
20-Sep-12	1.0	0.0	0.0
21-Sep-12	0.5	0.0	0.8
22-Sep-12	0.0	0.6	0.1
23-Sep-12	9.1	2.8	2.5
24-Sep-12	2.5	0.5	0.4
25-Sep-12	2.8	0.3	0.1
26-Sep-12	16.0	8.3	4.4
27-Sep-12	47.8	16.9	18.0
28-Sep-12	2.6	5.1	2.5
29-Sep-12	4.7	7.3	4.7
30-Sep-12	6.2	19.8	12.0

**Appendix 5. Total Daily Precipitation (mm)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Oct-12	28.6	12.2	8.3
2-Oct-12	0.0	0.0	0.0
3-Oct-12	0.0	0.0	0.0
4-Oct-12	1.8	0.0	0.0
5-Oct-12	1.0	0.0	0.4
6-Oct-12	0.0	0.0	0.0
7-Oct-12	0.0	1.0	0.4
8-Oct-12	0.4	0.0	0.0
9-Oct-12	0.3	0.0	0.4
10-Oct-12	0.7	0.0	0.1
11-Oct-12	2.4	1.3	3.7
12-Oct-12	20.7	11.7	11.9
13-Oct-12	13.7	16.3	3.1
14-Oct-12	10.4	28.0	30.7
15-Oct-12	9.9	11.2	9.1
16-Oct-12	4.7	5.3	5.4
17-Oct-12	4.5	6.4	15.3
18-Oct-12	0.0	4.9	14.6
19-Oct-12	0.0	0.5	0.0
20-Oct-12	1.8	0.7	0.0
21-Oct-12	0.0	0.5	0.6
22-Oct-12	0.0	0.2	0.1
23-Oct-12	2.0	0.1	0.0
24-Oct-12	0.7	0.1	0.1
25-Oct-12	0.7	0.1	0.0
26-Oct-12	0.0	0.0	0.3
27-Oct-12	0.9	0.4	0.0
28-Oct-12	1.2	1.0	0.6
29-Oct-12	1.1	0.8	0.0
30-Oct-12	4.6	0.2	0.1
31-Oct-12	2.2	0.0	0.0

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Nov-12	0.0	0.0	0.5
2-Nov-12	8.4	6.9	16.7
3-Nov-12	0.4	4.6	1.3
4-Nov-12	15.3	26.4	39.4
5-Nov-12	9.0	10.0	5.2
6-Nov-12	0.0	1.1	2.3
7-Nov-12	2.6	7.2	5.1
8-Nov-12	0.0	0.0	1.2
9-Nov-12	1.6	1.2	0.0
10-Nov-12	0.4	1.0	0.0
11-Nov-12	2.7	7.3	2.2
12-Nov-12	0.0	4.1	2.0
13-Nov-12	2.5	3.2	0.0
14-Nov-12	2.8	1.1	2.3
15-Nov-12	0.8	0.8	3.5
16-Nov-12	6.3	10.4	11.8
17-Nov-12	8.6	14.4	M
18-Nov-12	5.1	8.2	M
19-Nov-12	5.0	8.1	M
20-Nov-12	M	M	M
21-Nov-12	M	M	M
22-Nov-12	7.7	12.9	M
23-Nov-12	3.8	6.0	M
24-Nov-12	3.9	6.2	M
25-Nov-12	5.2	8.5	M
26-Nov-12	0.0	0.0	M
27-Nov-12	0.9	1.0	M
28-Nov-12	6.6	10.8	M
29-Nov-12	0.0	0.0	M
30-Nov-12	0.0	0.0	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Dec-12	4.6	7.4	M
2-Dec-12	0.0	0.0	M
3-Dec-12	7.5	12.5	M
4-Dec-12	5.4	8.8	M
5-Dec-12	0.2	0.0	M
6-Dec-12	0.0	0.0	M
7-Dec-12	0.0	0.0	M
8-Dec-12	1.1	1.3	M
9-Dec-12	8.0	13.4	M
10-Dec-12	7.6	12.7	M
11-Dec-12	0.0	0.0	M
12-Dec-12	2.6	3.8	M
13-Dec-12	1.6	2.1	M
14-Dec-12	5.5	8.9	M
15-Dec-12	0.6	0.3	M
16-Dec-12	0.0	0.0	M
17-Dec-12	1.3	1.6	M
18-Dec-12	1.4	1.7	M
19-Dec-12	2.4	3.5	M
20-Dec-12	0.0	0.0	M
21-Dec-12	5.6	9.1	M
22-Dec-12	0.0	0.0	M
23-Dec-12	0.3	0.0	M
24-Dec-12	0.2	0.0	M
25-Dec-12	1.0	1.1	M
26-Dec-12	0.0	0.0	M
27-Dec-12	4.3	6.8	M
28-Dec-12	1.5	1.9	M
29-Dec-12	1.1	1.2	M
30-Dec-12	1.4	1.8	M
31-Dec-12	0.0	0.0	M

## Appendix 6

### Total Daily Rainfall (mm)

Appendix 6. Total Daily Rainfall (mm)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Oct-09	M	M	M
2-Oct-09	M	M	M
3-Oct-09	M	M	M
4-Oct-09	M	M	M
5-Oct-09	M	M	M
6-Oct-09	M	M	M
7-Oct-09	M	M	M
8-Oct-09	M	M	M
9-Oct-09	M	M	M
10-Oct-09	M	M	M
11-Oct-09	M	M	M
12-Oct-09	M	M	M
13-Oct-09	0.0	M	M
14-Oct-09	0.0	M	M
15-Oct-09	0.0	M	M
16-Oct-09	6.6	M	M
17-Oct-09	0.0	M	M
18-Oct-09	0.1	M	M
19-Oct-09	0.0	M	M
20-Oct-09	0.0	M	M
21-Oct-09	0.0	M	M
22-Oct-09	1.0	M	M
23-Oct-09	0.0	M	M
24-Oct-09	0.0	M	M
25-Oct-09	0.0	M	M
26-Oct-09	0.0	M	M
27-Oct-09	0.0	M	M
28-Oct-09	0.0	M	M
29-Oct-09	0.0	M	M
30-Oct-09	0.0	M	M
31-Oct-09	0.0	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Nov-09	0.0	M	M
2-Nov-09	0.0	M	M
3-Nov-09	0.0	M	M
4-Nov-09	0.0	M	M
5-Nov-09	0.0	M	M
6-Nov-09	0.0	M	M
7-Nov-09	0.0	M	M
8-Nov-09	0.0	M	M
9-Nov-09	0.0	M	M
10-Nov-09	0.0	M	M
11-Nov-09	0.0	M	M
12-Nov-09	0.0	M	M
13-Nov-09	0.0	M	M
14-Nov-09	0.0	M	M
15-Nov-09	0.0	M	M
16-Nov-09	0.0	M	M
17-Nov-09	0.0	M	M
18-Nov-09	0.0	M	M
19-Nov-09	0.0	M	M
20-Nov-09	0.0	M	M
21-Nov-09	0.0	M	M
22-Nov-09	0.0	M	M
23-Nov-09	0.0	M	M
24-Nov-09	0.0	M	M
25-Nov-09	0.0	M	M
26-Nov-09	0.0	M	M
27-Nov-09	0.0	M	M
28-Nov-09	0.0	M	M
29-Nov-09	0.0	M	M
30-Nov-09	0.0	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Dec-09	0.0	M	M
2-Dec-09	0.0	M	M
3-Dec-09	0.0	M	M
4-Dec-09	0.0	M	M
5-Dec-09	0.0	M	M
6-Dec-09	0.0	M	M
7-Dec-09	0.0	M	M
8-Dec-09	0.0	M	M
9-Dec-09	0.0	M	M
10-Dec-09	0.0	M	M
11-Dec-09	0.0	M	M
12-Dec-09	0.0	M	M
13-Dec-09	0.0	M	M
14-Dec-09	0.0	M	M
15-Dec-09	0.0	M	M
16-Dec-09	0.0	M	M
17-Dec-09	0.0	M	M
18-Dec-09	0.0	M	M
19-Dec-09	0.0	M	M
20-Dec-09	0.0	M	M
21-Dec-09	0.0	M	M
22-Dec-09	0.0	M	M
23-Dec-09	0.0	M	M
24-Dec-09	0.0	M	M
25-Dec-09	0.0	M	M
26-Dec-09	0.0	M	M
27-Dec-09	0.0	M	M
28-Dec-09	0.0	M	M
29-Dec-09	0.0	M	M
30-Dec-09	0.0	M	M
31-Dec-09	0.0	M	M

Appendix 6. Total Daily Rainfall (mm)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jan-10	0.0	M	M
2-Jan-10	0.0	M	M
3-Jan-10	0.0	M	M
4-Jan-10	0.0	M	M
5-Jan-10	0.0	M	M
6-Jan-10	0.0	M	M
7-Jan-10	0.0	M	M
8-Jan-10	0.0	M	M
9-Jan-10	0.0	M	M
10-Jan-10	0.0	M	M
11-Jan-10	0.0	M	M
12-Jan-10	0.0	M	M
13-Jan-10	0.0	M	M
14-Jan-10	0.0	M	M
15-Jan-10	0.0	M	M
16-Jan-10	0.0	M	M
17-Jan-10	0.0	M	M
18-Jan-10	0.0	M	M
19-Jan-10	0.0	M	M
20-Jan-10	0.0	M	M
21-Jan-10	0.0	M	M
22-Jan-10	0.0	M	M
23-Jan-10	0.0	M	M
24-Jan-10	0.0	M	M
25-Jan-10	0.0	M	M
26-Jan-10	0.0	M	M
27-Jan-10	0.0	M	M
28-Jan-10	0.0	M	M
29-Jan-10	0.0	M	M
30-Jan-10	0.0	M	M
31-Jan-10	0.0	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Feb-10	0.0	M	M
2-Feb-10	0.0	M	M
3-Feb-10	0.0	M	M
4-Feb-10	0.0	M	M
5-Feb-10	0.0	M	M
6-Feb-10	0.0	M	M
7-Feb-10	0.0	M	M
8-Feb-10	0.0	M	M
9-Feb-10	0.0	M	M
10-Feb-10	0.0	M	M
11-Feb-10	0.0	M	M
12-Feb-10	0.0	M	M
13-Feb-10	0.0	M	M
14-Feb-10	0.0	M	M
15-Feb-10	0.0	M	M
16-Feb-10	0.0	M	M
17-Feb-10	0.0	M	M
18-Feb-10	2.0	M	M
19-Feb-10	0.0	M	M
20-Feb-10	0.0	M	M
21-Feb-10	0.0	M	M
22-Feb-10	0.0	M	M
23-Feb-10	0.0	M	M
24-Feb-10	0.0	M	M
25-Feb-10	0.0	M	M
26-Feb-10	0.0	M	M
27-Feb-10	0.0	M	M
28-Feb-10	0.0	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Mar-10	0.0	M	M
2-Mar-10	0.0	M	M
3-Mar-10	0.0	M	M
4-Mar-10	0.0	M	M
5-Mar-10	0.0	M	M
6-Mar-10	0.0	M	M
7-Mar-10	0.0	M	M
8-Mar-10	0.0	M	M
9-Mar-10	0.0	M	M
10-Mar-10	0.0	M	M
11-Mar-10	0.0	M	M
12-Mar-10	0.0	M	M
13-Mar-10	0.0	M	M
14-Mar-10	0.0	M	M
15-Mar-10	0.0	M	M
16-Mar-10	0.0	M	M
17-Mar-10	0.0	M	M
18-Mar-10	0.0	M	M
19-Mar-10	0.0	M	M
20-Mar-10	0.0	M	M
21-Mar-10	0.0	M	M
22-Mar-10	0.0	M	M
23-Mar-10	0.0	M	M
24-Mar-10	0.0	M	M
25-Mar-10	0.0	M	M
26-Mar-10	0.0	M	M
27-Mar-10	0.0	M	M
28-Mar-10	0.0	M	M
29-Mar-10	0.0	M	M
30-Mar-10	0.0	M	M
31-Mar-10	0.0	M	M

**Appendix 6. Total Daily Rainfall (mm)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Apr-10	0.0	M	M
2-Apr-10	0.0	M	M
3-Apr-10	0.0	M	M
4-Apr-10	0.0	M	M
5-Apr-10	0.0	M	M
6-Apr-10	0.0	M	M
7-Apr-10	0.0	M	M
8-Apr-10	0.0	M	M
9-Apr-10	0.0	M	M
10-Apr-10	0.0	M	M
11-Apr-10	0.0	M	M
12-Apr-10	0.0	M	M
13-Apr-10	0.0	M	M
14-Apr-10	12.7	M	M
15-Apr-10	0.0	M	M
16-Apr-10	5.6	M	M
17-Apr-10	0.0	M	M
18-Apr-10	2.1	M	M
19-Apr-10	0.0	M	M
20-Apr-10	0.0	M	M
21-Apr-10	0.0	M	M
22-Apr-10	0.0	M	M
23-Apr-10	0.0	M	M
24-Apr-10	0.0	M	M
25-Apr-10	0.0	M	M
26-Apr-10	0.0	M	M
27-Apr-10	0.0	M	M
28-Apr-10	0.4	M	M
29-Apr-10	0.1	M	M
30-Apr-10	0.0	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-May-10	0.0	M	M
2-May-10	0.0	M	M
3-May-10	0.0	M	M
4-May-10	0.0	M	M
5-May-10	0.0	M	M
6-May-10	0.0	M	M
7-May-10	0.0	M	M
8-May-10	0.0	M	M
9-May-10	0.0	M	M
10-May-10	4.2	M	M
11-May-10	3.4	M	M
12-May-10	0.0	M	M
13-May-10	0.0	M	M
14-May-10	17.6	M	M
15-May-10	0.0	M	M
16-May-10	5.0	M	M
17-May-10	15.1	M	M
18-May-10	0.0	M	M
19-May-10	16.9	M	M
20-May-10	0.0	M	M
21-May-10	0.0	M	M
22-May-10	7.5	M	M
23-May-10	0.0	M	M
24-May-10	15.8	M	M
25-May-10	2.3	M	M
26-May-10	2.9	M	M
27-May-10	0.0	M	M
28-May-10	0.0	M	M
29-May-10	0.0	M	M
30-May-10	2.9	M	M
31-May-10	0.0	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jun-10	2.3	M	M
2-Jun-10	0.0	M	M
3-Jun-10	1.6	M	M
4-Jun-10	1.8	M	M
5-Jun-10	0.0	M	M
6-Jun-10	7.6	M	M
7-Jun-10	0.6	M	M
8-Jun-10	0.0	M	M
9-Jun-10	5.9	M	M
10-Jun-10	2.9	M	M
11-Jun-10	11.2	M	M
12-Jun-10	10.0	M	M
13-Jun-10	1.1	M	M
14-Jun-10	1.8	M	M
15-Jun-10	5.5	M	M
16-Jun-10	3.0	M	M
17-Jun-10	0.0	M	M
18-Jun-10	6.6	M	M
19-Jun-10	0.0	M	M
20-Jun-10	0.0	M	M
21-Jun-10	0.0	M	M
22-Jun-10	9.0	M	M
23-Jun-10	3.0	M	M
24-Jun-10	0.0	M	M
25-Jun-10	0.0	M	M
26-Jun-10	3.6	M	M
27-Jun-10	0.0	M	M
28-Jun-10	2.4	M	M
29-Jun-10	0.0	M	M
30-Jun-10	5.9	M	M

**Appendix 6. Total Daily Rainfall (mm)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jul-10	4.7	M	M
2-Jul-10	2.4	M	M
3-Jul-10	4.3	M	M
4-Jul-10	2.4	M	M
5-Jul-10	14.1	M	M
6-Jul-10	0.0	M	M
7-Jul-10	2.6	M	M
8-Jul-10	0.3	M	M
9-Jul-10	1.3	M	M
10-Jul-10	0.8	M	M
11-Jul-10	2.7	M	M
12-Jul-10	0.0	M	M
13-Jul-10	0.0	M	M
14-Jul-10	1.6	M	M
15-Jul-10	2.7	M	M
16-Jul-10	0.0	M	M
17-Jul-10	0.3	M	M
18-Jul-10	0.0	M	M
19-Jul-10	0.0	M	M
20-Jul-10	0.3	M	M
21-Jul-10	0.5	M	M
22-Jul-10	0.3	M	M
23-Jul-10	33.9	M	M
24-Jul-10	2.1	M	M
25-Jul-10	0.0	M	M
26-Jul-10	0.3	M	M
27-Jul-10	0.0	M	M
28-Jul-10	0.3	M	M
29-Jul-10	0.0	0.0	M
30-Jul-10	0.0	0.0	M
31-Jul-10	0.0	0.0	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Aug-10	0.0	0.0	M
2-Aug-10	1.3	0.0	M
3-Aug-10	0.4	0.0	M
4-Aug-10	0.0	0.0	M
5-Aug-10	0.0	0.0	M
6-Aug-10	7.4	1.5	M
7-Aug-10	2.3	0.3	M
8-Aug-10	2.3	0.0	M
9-Aug-10	0.0	0.0	M
10-Aug-10	0.0	0.0	M
11-Aug-10	0.3	0.0	M
12-Aug-10	0.0	0.0	M
13-Aug-10	0.0	0.0	M
14-Aug-10	0.0	0.0	M
15-Aug-10	0.0	0.0	M
16-Aug-10	0.0	0.0	M
17-Aug-10	2.1	0.0	M
18-Aug-10	3.6	0.5	M
19-Aug-10	2.8	0.0	M
20-Aug-10	0.8	0.0	M
21-Aug-10	0.0	0.0	M
22-Aug-10	0.3	0.0	M
23-Aug-10	22.4	14.0	M
24-Aug-10	18.0	15.2	M
25-Aug-10	0.4	0.3	M
26-Aug-10	0.5	0.0	M
27-Aug-10	0.0	0.0	M
28-Aug-10	0.0	0.0	M
29-Aug-10	0.0	0.0	M
30-Aug-10	0.5	0.5	M
31-Aug-10	10.4	7.4	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Sep-10	9.4	5.6	M
2-Sep-10	105.4	51.3	M
3-Sep-10	14.3	13.0	M
4-Sep-10	0.0	0.0	M
5-Sep-10	8.4	5.8	M
6-Sep-10	3.0	4.6	M
7-Sep-10	0.0	0.0	M
8-Sep-10	0.0	0.0	M
9-Sep-10	3.0	0.3	M
10-Sep-10	1.8	1.0	M
11-Sep-10	0.3	0.5	M
12-Sep-10	0.0	0.3	M
13-Sep-10	0.6	0.3	M
14-Sep-10	0.0	0.3	M
15-Sep-10	0.3	0.3	M
16-Sep-10	0.8	0.0	M
17-Sep-10	0.0	0.0	M
18-Sep-10	0.0	1.3	M
19-Sep-10	0.0	1.2	M
20-Sep-10	0.0	0.0	M
21-Sep-10	0.8	0.0	M
22-Sep-10	0.0	0.3	M
23-Sep-10	9.4	2.0	M
24-Sep-10	50.3	17.0	M
25-Sep-10	31.0	15.8	M
26-Sep-10	16.5	7.6	M
27-Sep-10	78.5	50.3	M
28-Sep-10	10.9	6.8	M
29-Sep-10	2.3	0.5	M
30-Sep-10	0.5	0.7	M

Appendix 6. Total Daily Rainfall (mm)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Oct-10	2.0	0.5	M
2-Oct-10	1.5	0.8	M
3-Oct-10	0.2	0.3	M
4-Oct-10	0.0	1.3	M
5-Oct-10	5.9	16.8	M
6-Oct-10	52.3	31.7	M
7-Oct-10	16.5	12.2	M
8-Oct-10	2.9	9.7	M
9-Oct-10	63.5	24.9	M
10-Oct-10	3.7	25.2	M
11-Oct-10	0.0	8.4	M
12-Oct-10	0.0	11.9	M
13-Oct-10	0.0	8.6	M
14-Oct-10	0.0	8.9	M
15-Oct-10	0.0	0.4	M
16-Oct-10	0.0	5.3	M
17-Oct-10	0.3	19.3	M
18-Oct-10	0.3	5.6	M
19-Oct-10	0.0	0.2	M
20-Oct-10	0.0	0.5	M
21-Oct-10	0.0	0.0	M
22-Oct-10	0.0	0.0	M
23-Oct-10	0.0	4.8	M
24-Oct-10	0.5	0.0	M
25-Oct-10	0.0	0.0	M
26-Oct-10	0.0	3.3	M
27-Oct-10	0.0	0.4	M
28-Oct-10	0.0	0.0	M
29-Oct-10	0.0	0.0	M
30-Oct-10	0.0	5.7	M
31-Oct-10	0.0	0.0	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Nov-10	0.0	4.4	M
2-Nov-10	0.0	4.9	M
3-Nov-10	0.0	13.4	M
4-Nov-10	3.5	27.7	M
5-Nov-10	0.0	0.0	M
6-Nov-10	0.0	0.0	M
7-Nov-10	0.0	0.0	M
8-Nov-10	0.0	0.0	M
9-Nov-10	0.0	0.0	M
10-Nov-10	0.0	0.0	M
11-Nov-10	0.0	0.0	M
12-Nov-10	0.0	0.0	M
13-Nov-10	0.0	0.0	M
14-Nov-10	0.0	16.4	M
15-Nov-10	0.0	0.0	M
16-Nov-10	0.0	0.0	M
17-Nov-10	0.0	0.0	M
18-Nov-10	0.0	0.0	M
19-Nov-10	0.0	0.0	M
20-Nov-10	0.0	0.0	M
21-Nov-10	0.0	0.0	M
22-Nov-10	0.0	0.0	M
23-Nov-10	0.0	0.0	M
24-Nov-10	0.0	0.0	M
25-Nov-10	0.0	0.0	M
26-Nov-10	0.0	0.0	M
27-Nov-10	0.0	0.0	M
28-Nov-10	0.0	0.0	M
29-Nov-10	0.0	0.0	M
30-Nov-10	0.0	0.0	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Dec-10	0.0	0.0	M
2-Dec-10	0.0	0.0	M
3-Dec-10	0.0	0.0	M
4-Dec-10	0.0	0.0	M
5-Dec-10	0.0	0.0	M
6-Dec-10	0.0	0.0	M
7-Dec-10	0.0	0.0	M
8-Dec-10	0.0	0.0	M
9-Dec-10	0.0	0.0	M
10-Dec-10	0.0	0.0	M
11-Dec-10	0.0	0.0	M
12-Dec-10	0.0	0.0	M
13-Dec-10	0.0	0.0	M
14-Dec-10	0.0	0.0	M
15-Dec-10	0.0	0.0	M
16-Dec-10	0.0	0.0	M
17-Dec-10	0.0	0.0	M
18-Dec-10	0.0	0.0	M
19-Dec-10	0.0	0.0	M
20-Dec-10	0.0	0.0	M
21-Dec-10	0.0	0.0	M
22-Dec-10	0.0	0.0	M
23-Dec-10	0.0	0.0	M
24-Dec-10	0.0	0.0	M
25-Dec-10	0.0	0.0	M
26-Dec-10	0.0	0.0	M
27-Dec-10	0.0	0.0	M
28-Dec-10	0.0	0.0	M
29-Dec-10	0.0	0.0	M
30-Dec-10	0.0	0.0	M
31-Dec-10	0.0	0.0	M



**Appendix 6. Total Daily Rainfall (mm)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jan-11	0.0	0.0	M
2-Jan-11	0.0	0.0	M
3-Jan-11	0.0	0.0	M
4-Jan-11	0.0	0.0	M
5-Jan-11	0.0	0.0	M
6-Jan-11	0.0	0.0	M
7-Jan-11	0.0	0.0	M
8-Jan-11	0.0	0.0	M
9-Jan-11	0.0	0.0	M
10-Jan-11	0.0	0.0	M
11-Jan-11	0.0	0.0	M
12-Jan-11	0.0	0.0	M
13-Jan-11	0.0	0.0	M
14-Jan-11	0.0	0.0	M
15-Jan-11	0.0	0.0	M
16-Jan-11	0.0	0.0	M
17-Jan-11	0.0	0.0	M
18-Jan-11	0.0	0.0	M
19-Jan-11	0.0	0.0	M
20-Jan-11	0.0	0.0	M
21-Jan-11	0.0	0.0	M
22-Jan-11	0.0	0.0	M
23-Jan-11	0.0	0.0	M
24-Jan-11	0.0	0.0	M
25-Jan-11	0.0	0.0	M
26-Jan-11	0.0	0.0	M
27-Jan-11	0.0	0.0	M
28-Jan-11	0.0	0.0	M
29-Jan-11	0.0	0.0	M
30-Jan-11	0.0	0.0	M
31-Jan-11	0.0	0.0	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Feb-11	0.0	0.0	M
2-Feb-11	0.0	0.0	M
3-Feb-11	0.0	0.0	M
4-Feb-11	0.0	0.0	M
5-Feb-11	0.0	0.0	M
6-Feb-11	0.0	0.0	M
7-Feb-11	0.0	0.0	M
8-Feb-11	0.0	0.0	M
9-Feb-11	0.0	0.0	M
10-Feb-11	0.0	0.0	M
11-Feb-11	0.0	0.0	M
12-Feb-11	0.0	0.0	M
13-Feb-11	0.0	0.0	M
14-Feb-11	0.0	0.0	M
15-Feb-11	0.0	0.0	M
16-Feb-11	0.0	0.0	M
17-Feb-11	0.0	0.0	M
18-Feb-11	0.0	0.0	M
19-Feb-11	0.0	0.0	M
20-Feb-11	0.0	0.0	M
21-Feb-11	0.0	0.0	M
22-Feb-11	0.0	0.0	M
23-Feb-11	0.0	0.0	M
24-Feb-11	0.0	0.0	M
25-Feb-11	0.0	0.0	M
26-Feb-11	0.0	0.0	M
27-Feb-11	0.0	0.0	M
28-Feb-11	0.0	0.0	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Mar-11	0.0	0.0	M
2-Mar-11	0.0	0.0	M
3-Mar-11	0.0	0.0	M
4-Mar-11	0.0	0.0	M
5-Mar-11	0.0	0.0	M
6-Mar-11	0.0	0.0	M
7-Mar-11	0.0	0.0	M
8-Mar-11	0.0	0.0	M
9-Mar-11	0.0	0.0	M
10-Mar-11	0.0	0.0	M
11-Mar-11	0.0	0.0	M
12-Mar-11	0.0	0.0	M
13-Mar-11	0.0	0.0	M
14-Mar-11	0.0	0.0	M
15-Mar-11	0.0	0.1	M
16-Mar-11	0.0	0.2	M
17-Mar-11	0.0	0.0	M
18-Mar-11	0.0	0.0	M
19-Mar-11	0.0	0.0	M
20-Mar-11	0.0	0.0	M
21-Mar-11	0.0	0.0	M
22-Mar-11	0.0	0.0	M
23-Mar-11	0.0	0.3	M
24-Mar-11	0.0	0.0	M
25-Mar-11	0.0	0.0	M
26-Mar-11	0.0	0.0	M
27-Mar-11	0.0	1.4	M
28-Mar-11	0.0	0.6	M
29-Mar-11	0.0	3.4	M
30-Mar-11	0.0	0.3	M
31-Mar-11	0.0	0.1	M

**Appendix 6. Total Daily Rainfall (mm)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Apr-11	0.0	0.0	M
2-Apr-11	0.0	0.5	M
3-Apr-11	0.0	0.0	M
4-Apr-11	0.0	0.0	M
5-Apr-11	0.0	0.0	M
6-Apr-11	0.0	0.0	M
7-Apr-11	0.0	0.6	M
8-Apr-11	0.0	0.1	M
9-Apr-11	0.0	0.0	M
10-Apr-11	0.0	0.0	M
11-Apr-11	0.0	0.0	M
12-Apr-11	0.0	0.0	M
13-Apr-11	0.0	0.6	M
14-Apr-11	0.0	0.9	M
15-Apr-11	0.0	0.0	M
16-Apr-11	0.0	0.1	M
17-Apr-11	0.0	0.0	M
18-Apr-11	0.0	0.0	M
19-Apr-11	0.0	0.0	M
20-Apr-11	0.0	0.0	M
21-Apr-11	0.0	0.0	M
22-Apr-11	0.0	0.1	M
23-Apr-11	0.0	0.1	M
24-Apr-11	0.0	0.4	M
25-Apr-11	0.0	0.0	M
26-Apr-11	0.0	0.0	M
27-Apr-11	0.0	0.1	M
28-Apr-11	0.0	0.0	M
29-Apr-11	0.0	0.3	M
30-Apr-11	0.0	0.1	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-May-11	0.0	0.0	M
2-May-11	0.0	2.0	M
3-May-11	0.0	1.4	M
4-May-11	0.0	3.4	M
5-May-11	0.0	1.5	M
6-May-11	0.0	0.0	M
7-May-11	0.1	0.0	M
8-May-11	0.2	0.0	M
9-May-11	0.4	0.3	M
10-May-11	0.0	5.0	M
11-May-11	0.0	0.3	M
12-May-11	0.0	0.0	M
13-May-11	0.0	0.0	M
14-May-11	0.0	0.0	M
15-May-11	0.2	0.0	M
16-May-11	4.2	3.3	M
17-May-11	1.7	6.9	M
18-May-11	0.9	2.8	M
19-May-11	0.5	0.0	M
20-May-11	0.1	0.3	M
21-May-11	2.7	2.9	M
22-May-11	7.6	15.1	M
23-May-11	9.4	0.8	M
24-May-11	1.6	0.5	M
25-May-11	0.3	0.0	M
26-May-11	0.8	0.0	M
27-May-11	2.0	0.8	M
28-May-11	0.7	0.0	M
29-May-11	0.0	0.0	M
30-May-11	0.1	1.3	M
31-May-11	0.0	0.0	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jun-11	0.0	0.2	M
2-Jun-11	0.9	0.0	M
3-Jun-11	0.0	0.2	M
4-Jun-11	4.8	2.2	M
5-Jun-11	2.4	0.0	M
6-Jun-11	0.5	0.1	M
7-Jun-11	1.0	0.0	M
8-Jun-11	0.0	0.2	M
9-Jun-11	0.0	0.0	M
10-Jun-11	1.2	0.1	M
11-Jun-11	0.3	0.0	M
12-Jun-11	0.3	0.0	M
13-Jun-11	2.4	0.0	M
14-Jun-11	2.5	0.5	M
15-Jun-11	0.4	0.0	M
16-Jun-11	0.0	0.0	M
17-Jun-11	0.0	0.0	M
18-Jun-11	2.0	1.3	M
19-Jun-11	2.5	0.3	M
20-Jun-11	1.6	0.0	M
21-Jun-11	0.0	0.1	M
22-Jun-11	0.5	0.0	M
23-Jun-11	5.3	4.2	M
24-Jun-11	10.9	9.7	M
25-Jun-11	1.3	0.0	M
26-Jun-11	0.3	0.0	M
27-Jun-11	4.2	0.0	M
28-Jun-11	3.3	0.5	M
29-Jun-11	6.4	0.3	M
30-Jun-11	1.5	0.5	M

**Appendix 6. Total Daily Rainfall (mm)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jul-11	14.6	2.3	M
2-Jul-11	11.2	3.1	M
3-Jul-11	3.4	0.8	M
4-Jul-11	7.4	2.0	M
5-Jul-11	0.8	2.8	M
6-Jul-11	0.0	0.0	M
7-Jul-11	0.5	0.0	M
8-Jul-11	1.5	0.0	M
9-Jul-11	0.0	0.0	M
10-Jul-11	7.4	0.0	M
11-Jul-11	0.0	0.0	M
12-Jul-11	0.0	0.0	M
13-Jul-11	1.3	0.1	M
14-Jul-11	0.0	0.3	M
15-Jul-11	0.1	0.0	M
16-Jul-11	0.0	0.0	M
17-Jul-11	1.3	0.1	M
18-Jul-11	4.1	0.6	M
19-Jul-11	1.8	0.0	M
20-Jul-11	5.1	5.9	M
21-Jul-11	1.7	0.0	M
22-Jul-11	1.4	0.0	M
23-Jul-11	0.0	0.0	M
24-Jul-11	3.0	1.3	M
25-Jul-11	0.8	0.0	M
26-Jul-11	3.3	1.3	M
27-Jul-11	15.0	6.6	M
28-Jul-11	5.6	2.8	M
29-Jul-11	1.7	1.8	M
30-Jul-11	1.5	1.8	M
31-Jul-11	0.5	0.3	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Aug-11	0.0	0.0	M
2-Aug-11	2.3	0.0	M
3-Aug-11	0.1	0.0	M
4-Aug-11	6.1	4.0	M
5-Aug-11	0.2	0.0	M
6-Aug-11	2.6	0.0	M
7-Aug-11	0.0	0.0	M
8-Aug-11	0.0	0.0	M
9-Aug-11	0.0	0.0	M
10-Aug-11	2.4	0.2	M
11-Aug-11	11.4	5.1	M
12-Aug-11	0.0	0.0	M
13-Aug-11	0.5	0.3	0.8
14-Aug-11	1.4	0.0	4.6
15-Aug-11	11.4	5.5	3.4
16-Aug-11	22.4	11.3	17.4
17-Aug-11	5.8	3.3	1.3
18-Aug-11	0.0	0.0	0.1
19-Aug-11	21.1	13.0	8.5
20-Aug-11	60.5	25.3	25.9
21-Aug-11	20.3	12.5	10.9
22-Aug-11	6.9	2.8	1.3
23-Aug-11	32.5	16.5	20.7
24-Aug-11	11.4	5.1	7.4
25-Aug-11	0.0	0.0	0.0
26-Aug-11	5.6	2.2	1.3
27-Aug-11	1.8	0.5	0.8
28-Aug-11	14.7	8.6	7.9
29-Aug-11	2.3	0.8	0.5
30-Aug-11	0.2	0.0	0.0
31-Aug-11	0.3	0.0	0.2

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Sep-11	10.7	6.4	5.6
2-Sep-11	0.8	0.0	0.1
3-Sep-11	28.7	8.0	6.5
4-Sep-11	16.8	4.5	6.4
5-Sep-11	18.3	10.6	7.6
6-Sep-11	126.7	54.3	75.8
7-Sep-11	46.5	30.3	32.1
8-Sep-11	63.3	32.1	32.3
9-Sep-11	7.9	2.0	7.1
10-Sep-11	0.0	0.2	0.1
11-Sep-11	0.0	0.0	0.0
12-Sep-11	1.0	0.0	0.0
13-Sep-11	0.0	0.3	0.5
14-Sep-11	3.0	1.0	1.9
15-Sep-11	2.5	1.3	1.3
16-Sep-11	1.0	0.0	0.1
17-Sep-11	4.9	0.3	0.3
18-Sep-11	19.9	8.6	26.4
19-Sep-11	3.6	2.5	0.5
20-Sep-11	57.7	22.7	7.9
21-Sep-11	45.7	17.3	20.5
22-Sep-11	1.9	19.5	18.6
23-Sep-11	7.4	20.6	22.8
24-Sep-11	1.4	0.8	0.0
25-Sep-11	0.0	1.5	2.5
26-Sep-11	0.0	5.3	5.6
27-Sep-11	2.1	9.1	10.8
28-Sep-11	0.3	1.0	0.3
29-Sep-11	0.0	10.5	17.2
30-Sep-11	0.0	2.3	4.1

Appendix 6. Total Daily Rainfall (mm)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Oct-11	0.0	0.0	0.6
2-Oct-11	0.0	0.0	0.0
3-Oct-11	0.0	2.0	1.1
4-Oct-11	4.6	3.8	2.3
5-Oct-11	0.0	0.0	0.0
6-Oct-11	2.2	1.5	0.4
7-Oct-11	0.0	2.0	0.8
8-Oct-11	0.0	14.9	17.5
9-Oct-11	0.0	7.4	10.0
10-Oct-11	0.0	0.0	0.4
11-Oct-11	2.7	3.8	4.7
12-Oct-11	1.7	3.9	1.8
13-Oct-11	0.0	2.3	1.1
14-Oct-11	0.0	0.1	0.0
15-Oct-11	0.0	0.0	0.1
16-Oct-11	0.0	0.1	0.7
17-Oct-11	1.9	4.3	9.6
18-Oct-11	26.5	11.9	17.8
19-Oct-11	0.0	1.7	0.0
20-Oct-11	0.0	0.0	0.0
21-Oct-11	0.0	0.0	0.0
22-Oct-11	0.0	0.1	4.7
23-Oct-11	0.0	0.6	2.8
24-Oct-11	0.0	1.1	0.4
25-Oct-11	0.0	0.8	2.9
26-Oct-11	0.0	0.1	0.3
27-Oct-11	0.0	0.5	1.5
28-Oct-11	0.0	0.0	1.0
29-Oct-11	0.0	0.5	9.6
30-Oct-11	0.0	0.0	3.1
31-Oct-11	0.0	0.1	0.1

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Nov-11	0.0	0.0	0.3
2-Nov-11	0.0	0.0	0.0
3-Nov-11	0.0	0.0	M
4-Nov-11	0.0	0.0	M
5-Nov-11	0.0	0.0	M
6-Nov-11	0.0	0.0	M
7-Nov-11	0.0	0.0	M
8-Nov-11	0.0	0.0	M
9-Nov-11	0.0	0.0	M
10-Nov-11	0.0	0.0	M
11-Nov-11	0.0	0.0	M
12-Nov-11	0.0	0.0	M
13-Nov-11	0.0	0.0	M
14-Nov-11	0.0	0.0	M
15-Nov-11	0.0	0.0	M
16-Nov-11	0.0	0.0	M
17-Nov-11	0.0	0.0	M
18-Nov-11	0.0	0.0	M
19-Nov-11	0.0	0.0	M
20-Nov-11	0.0	0.0	M
21-Nov-11	0.0	0.0	M
22-Nov-11	0.0	0.0	M
23-Nov-11	0.0	0.0	M
24-Nov-11	0.0	0.0	M
25-Nov-11	0.0	0.0	M
26-Nov-11	0.0	0.0	M
27-Nov-11	0.0	0.0	M
28-Nov-11	0.0	0.0	M
29-Nov-11	0.0	0.0	M
30-Nov-11	0.0	0.0	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Dec-11	0.0	0.0	M
2-Dec-11	0.0	0.0	M
3-Dec-11	0.0	0.0	M
4-Dec-11	0.0	0.0	M
5-Dec-11	0.0	0.0	M
6-Dec-11	0.0	0.0	M
7-Dec-11	0.0	0.0	M
8-Dec-11	0.0	0.0	M
9-Dec-11	0.0	0.0	M
10-Dec-11	0.0	0.0	M
11-Dec-11	0.0	0.0	M
12-Dec-11	0.0	0.0	M
13-Dec-11	0.0	0.0	M
14-Dec-11	0.0	0.0	M
15-Dec-11	0.0	0.0	M
16-Dec-11	0.0	0.0	M
17-Dec-11	0.0	0.0	M
18-Dec-11	0.0	0.0	M
19-Dec-11	0.0	0.0	0.0
20-Dec-11	0.0	0.0	0.0
21-Dec-11	0.0	0.0	0.0
22-Dec-11	0.0	0.0	0.0
23-Dec-11	0.0	0.0	0.0
24-Dec-11	0.0	0.0	0.0
25-Dec-11	0.0	0.0	0.0
26-Dec-11	0.0	0.0	0.0
27-Dec-11	0.0	0.0	0.0
28-Dec-11	0.0	0.0	0.0
29-Dec-11	0.0	0.0	0.0
30-Dec-11	0.0	0.0	0.0
31-Dec-11	0.0	0.0	0.0

Appendix 6. Total Daily Rainfall (mm)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jan-12	0.0	0.0	0.0
2-Jan-12	0.0	0.0	0.0
3-Jan-12	0.0	0.0	0.0
4-Jan-12	0.0	0.0	0.0
5-Jan-12	0.0	0.0	0.0
6-Jan-12	0.0	0.0	0.0
7-Jan-12	0.0	0.0	0.0
8-Jan-12	0.0	0.0	0.1
9-Jan-12	0.0	0.0	0.0
10-Jan-12	0.0	0.0	0.0
11-Jan-12	0.0	0.0	0.0
12-Jan-12	0.0	0.0	0.0
13-Jan-12	0.0	0.0	0.0
14-Jan-12	0.0	0.0	0.0
15-Jan-12	0.0	0.0	0.0
16-Jan-12	0.0	0.0	0.0
17-Jan-12	0.0	0.0	0.0
18-Jan-12	0.0	0.0	0.0
19-Jan-12	0.0	0.0	0.0
20-Jan-12	0.0	0.0	0.0
21-Jan-12	0.0	0.0	0.0
22-Jan-12	0.0	0.0	0.0
23-Jan-12	0.0	0.0	0.0
24-Jan-12	0.0	0.0	0.0
25-Jan-12	0.0	0.0	0.0
26-Jan-12	0.0	0.0	0.0
27-Jan-12	0.0	0.0	0.0
28-Jan-12	0.0	0.0	0.0
29-Jan-12	0.0	0.0	0.0
30-Jan-12	0.0	0.0	0.0
31-Jan-12	0.0	0.0	0.0

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Feb-12	0.0	0.0	0.0
2-Feb-12	0.0	0.0	0.0
3-Feb-12	0.0	0.0	1.3
4-Feb-12	0.0	0.0	0.0
5-Feb-12	0.0	0.0	0.0
6-Feb-12	0.0	0.1	0.2
7-Feb-12	0.0	0.0	0.0
8-Feb-12	0.0	0.0	0.0
9-Feb-12	0.0	0.0	0.0
10-Feb-12	0.0	0.0	0.0
11-Feb-12	0.0	0.0	0.0
12-Feb-12	0.0	0.0	0.0
13-Feb-12	0.0	0.0	0.0
14-Feb-12	0.0	0.0	0.0
15-Feb-12	0.0	0.0	0.0
16-Feb-12	0.0	0.0	0.0
17-Feb-12	0.0	0.0	0.0
18-Feb-12	0.0	0.0	0.0
19-Feb-12	0.0	0.0	0.0
20-Feb-12	0.0	0.0	0.0
21-Feb-12	0.0	0.0	0.0
22-Feb-12	0.0	0.0	0.0
23-Feb-12	0.0	0.0	0.0
24-Feb-12	0.0	0.0	0.0
25-Feb-12	0.0	0.0	0.0
26-Feb-12	0.0	0.0	0.0
27-Feb-12	0.0	0.0	0.0
28-Feb-12	0.0	0.0	0.0
29-Feb-12	0.0	0.0	0.0

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Mar-12	0.0	0.0	0.0
2-Mar-12	0.0	0.0	0.0
3-Mar-12	0.0	0.0	0.0
4-Mar-12	0.0	0.0	0.0
5-Mar-12	0.0	0.0	0.0
6-Mar-12	0.0	0.0	0.0
7-Mar-12	0.0	0.0	0.0
8-Mar-12	0.0	0.0	0.0
9-Mar-12	0.0	0.0	0.0
10-Mar-12	0.0	0.0	0.0
11-Mar-12	0.0	0.0	0.0
12-Mar-12	0.0	0.0	0.0
13-Mar-12	0.0	0.0	0.0
14-Mar-12	0.0	0.0	0.0
15-Mar-12	0.0	0.0	0.0
16-Mar-12	0.0	0.0	0.0
17-Mar-12	0.0	0.0	0.0
18-Mar-12	0.0	0.0	0.0
19-Mar-12	0.0	0.0	0.0
20-Mar-12	0.0	0.0	0.0
21-Mar-12	0.0	0.0	0.0
22-Mar-12	0.0	0.0	0.0
23-Mar-12	0.0	0.0	0.0
24-Mar-12	0.0	0.0	0.0
25-Mar-12	0.0	0.0	0.0
26-Mar-12	0.0	0.0	0.0
27-Mar-12	0.0	0.0	0.0
28-Mar-12	0.0	3.6	3.7
29-Mar-12	0.0	3.0	1.5
30-Mar-12	0.0	0.0	0.0
31-Mar-12	0.0	0.0	0.0

**Appendix 6. Total Daily Rainfall (mm)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Apr-12	0.0	0.0	0.0
2-Apr-12	0.0	0.0	0.0
3-Apr-12	0.0	0.0	0.0
4-Apr-12	0.0	0.0	0.2
5-Apr-12	0.0	0.0	0.0
6-Apr-12	0.0	0.0	0.0
7-Apr-12	0.0	0.0	0.0
8-Apr-12	0.0	0.0	0.0
9-Apr-12	0.0	0.0	0.0
10-Apr-12	0.2	0.0	1.6
11-Apr-12	2.1	5.8	5.5
12-Apr-12	4.2	13.3	3.2
13-Apr-12	0.0	3.0	0.6
14-Apr-12	0.0	2.2	0.6
15-Apr-12	0.0	0.0	0.0
16-Apr-12	0.2	0.0	0.1
17-Apr-12	0.0	2.0	1.9
18-Apr-12	0.0	2.2	4.3
19-Apr-12	0.0	3.8	4.5
20-Apr-12	0.0	0.3	2.7
21-Apr-12	0.0	0.0	0.0
22-Apr-12	0.0	3.0	1.0
23-Apr-12	0.0	0.5	1.2
24-Apr-12	0.0	0.0	0.0
25-Apr-12	0.7	5.3	2.2
26-Apr-12	0.0	15.1	12.2
27-Apr-12	0.0	9.6	0.3
28-Apr-12	0.0	6.0	0.7
29-Apr-12	0.0	0.7	0.0
30-Apr-12	0.0	14.7	3.9

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-May-12	0.0	6.5	3.9
2-May-12	0.0	0.0	0.0
3-May-12	0.0	0.0	0.2
4-May-12	0.0	5.1	0.2
5-May-12	0.0	4.4	0.5
6-May-12	0.0	5.3	22.4
7-May-12	0.0	11.6	21.8
8-May-12	0.0	4.3	1.0
9-May-12	0.0	1.0	0.8
10-May-12	0.0	3.0	0.1
11-May-12	0.0	1.0	0.0
12-May-12	0.0	1.6	0.1
13-May-12	0.0	8.2	1.7
14-May-12	0.0	0.0	0.0
15-May-12	0.0	0.6	0.1
16-May-12	0.0	1.2	0.3
17-May-12	0.0	1.1	0.0
18-May-12	0.0	0.0	0.0
19-May-12	0.0	0.0	0.0
20-May-12	2.0	4.7	2.0
21-May-12	6.6	10.9	11.0
22-May-12	0.6	2.7	0.2
23-May-12	0.0	0.0	0.0
24-May-12	0.0	0.0	0.0
25-May-12	0.0	0.0	0.0
26-May-12	2.5	3.0	0.3
27-May-12	0.5	0.4	0.3
28-May-12	0.4	0.1	0.0
29-May-12	0.1	0.0	0.0
30-May-12	1.2	1.1	0.8
31-May-12	0.9	2.9	1.8

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jun-12	1.4	2.9	4.5
2-Jun-12	0.2	0.0	0.5
3-Jun-12	0.1	0.0	0.0
4-Jun-12	0.0	0.0	0.0
5-Jun-12	6.6	0.0	7.9
6-Jun-12	0.2	0.0	0.5
7-Jun-12	2.9	0.0	4.1
8-Jun-12	0.5	0.3	0.0
9-Jun-12	0.3	0.0	0.0
10-Jun-12	1.3	1.3	0.4
11-Jun-12	5.8	9.7	5.9
12-Jun-12	0.3	0.0	0.0
13-Jun-12	0.1	0.0	0.0
14-Jun-12	0.2	0.0	0.1
15-Jun-12	12.1	8.9	16.5
16-Jun-12	18.3	5.8	5.7
17-Jun-12	0.3	0.0	0.1
18-Jun-12	0.5	0.0	0.0
19-Jun-12	0.0	1.3	0.1
20-Jun-12	0.3	0.3	0.2
21-Jun-12	6.1	2.8	0.6
22-Jun-12	0.0	0.0	0.0
23-Jun-12	0.0	0.0	0.0
24-Jun-12	0.0	0.0	0.5
25-Jun-12	1.3	0.4	0.5
26-Jun-12	3.8	0.8	3.1
27-Jun-12	1.3	1.3	1.2
28-Jun-12	3.8	2.5	5.5
29-Jun-12	4.3	1.0	1.4
30-Jun-12	0.8	0.0	0.0

**Appendix 6. Total Daily Rainfall (mm)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jul-12	1.5	0.1	0.2
2-Jul-12	0.0	0.0	0.4
3-Jul-12	0.1	0.1	0.0
4-Jul-12	0.3	0.0	0.0
5-Jul-12	0.1	0.0	0.0
6-Jul-12	0.0	0.0	0.0
7-Jul-12	5.1	4.8	4.4
8-Jul-12	2.5	0.8	0.2
9-Jul-12	4.6	0.0	0.1
10-Jul-12	6.9	1.8	1.0
11-Jul-12	0.0	0.0	M
12-Jul-12	0.1	0.0	M
13-Jul-12	0.0	0.0	1.4
14-Jul-12	4.1	3.3	0.3
15-Jul-12	0.0	0.0	0.1
16-Jul-12	0.0	0.0	0.1
17-Jul-12	0.0	0.0	0.2
18-Jul-12	0.0	0.0	0.1
19-Jul-12	3.6	2.3	1.2
20-Jul-12	7.5	1.8	0.1
21-Jul-12	24.1	18.0	15.6
22-Jul-12	0.3	0.3	0.0
23-Jul-12	1.0	0.0	0.0
24-Jul-12	0.0	0.0	0.0
25-Jul-12	0.0	0.0	0.0
26-Jul-12	0.0	0.0	0.0
27-Jul-12	0.0	0.0	1.2
28-Jul-12	1.3	0.0	0.1
29-Jul-12	3.6	4.1	5.3
30-Jul-12	3.3	0.5	0.1
31-Jul-12	11.9	4.1	7.0

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Aug-12	1.0	0.5	0.0
2-Aug-12	0.8	0.0	0.1
3-Aug-12	11.7	2.3	0.3
4-Aug-12	3.3	0.8	0.1
5-Aug-12	0.0	0.0	0.0
6-Aug-12	0.0	0.0	0.0
7-Aug-12	0.1	0.0	0.0
8-Aug-12	7.1	3.0	10.5
9-Aug-12	5.1	0.5	0.0
10-Aug-12	0.5	0.4	0.0
11-Aug-12	0.0	0.2	0.0
12-Aug-12	0.0	0.1	0.0
13-Aug-12	9.7	18.2	17.3
14-Aug-12	0.0	0.1	0.0
15-Aug-12	0.0	0.2	0.0
16-Aug-12	0.1	0.0	0.0
17-Aug-12	0.0	0.0	0.0
18-Aug-12	0.0	0.0	0.0
19-Aug-12	0.0	0.0	0.0
20-Aug-12	0.0	0.0	0.0
21-Aug-12	0.0	0.0	0.1
22-Aug-12	0.8	0.0	0.6
23-Aug-12	9.0	3.8	9.5
24-Aug-12	0.0	0.0	0.0
25-Aug-12	0.0	0.0	0.0
26-Aug-12	0.1	0.0	0.0
27-Aug-12	2.1	0.0	0.0
28-Aug-12	10.7	9.9	5.4
29-Aug-12	3.3	8.9	9.1
30-Aug-12	0.3	0.3	0.0
31-Aug-12	0.3	0.0	0.0

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Sep-12	0.3	0.0	0.1
2-Sep-12	5.6	3.3	0.1
3-Sep-12	3.8	10.4	2.7
4-Sep-12	4.8	1.8	0.0
5-Sep-12	0.0	0.0	0.0
6-Sep-12	0.0	0.0	0.0
7-Sep-12	0.1	0.0	0.1
8-Sep-12	0.3	0.0	0.0
9-Sep-12	11.7	8.1	2.3
10-Sep-12	2.2	4.1	1.7
11-Sep-12	1.5	6.1	2.4
12-Sep-12	30.7	24.4	17.6
13-Sep-12	42.4	17.0	14.0
14-Sep-12	0.8	1.8	0.9
15-Sep-12	0.0	0.0	0.0
16-Sep-12	0.0	0.0	0.0
17-Sep-12	14.5	5.3	1.5
18-Sep-12	0.3	0.0	0.0
19-Sep-12	0.3	0.1	0.3
20-Sep-12	1.0	0.0	0.0
21-Sep-12	0.5	0.0	0.8
22-Sep-12	0.0	0.6	0.1
23-Sep-12	9.1	2.8	2.5
24-Sep-12	2.5	0.5	0.4
25-Sep-12	2.8	0.3	0.1
26-Sep-12	16.0	8.3	4.4
27-Sep-12	47.8	16.9	18.0
28-Sep-12	2.3	5.1	2.5
29-Sep-12	0.6	7.3	4.7
30-Sep-12	0.7	19.8	12.0

**Appendix 6. Total Daily Rainfall (mm)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Oct-12	0.0	12.2	8.3
2-Oct-12	0.0	0.0	0.0
3-Oct-12	0.0	0.0	0.0
4-Oct-12	1.8	0.0	0.0
5-Oct-12	1.0	0.0	0.4
6-Oct-12	0.0	0.0	0.0
7-Oct-12	0.0	1.0	0.4
8-Oct-12	0.4	0.0	0.0
9-Oct-12	0.3	0.0	0.4
10-Oct-12	0.7	0.0	0.1
11-Oct-12	0.0	1.3	3.7
12-Oct-12	5.8	2.3	4.7
13-Oct-12	9.3	16.3	3.1
14-Oct-12	2.8	28.0	30.7
15-Oct-12	3.9	11.2	9.1
16-Oct-12	0.0	3.7	5.4
17-Oct-12	0.0	0.6	0.0
18-Oct-12	0.0	0.0	0.0
19-Oct-12	0.0	0.0	0.0
20-Oct-12	0.0	0.0	0.0
21-Oct-12	0.0	0.0	0.0
22-Oct-12	0.0	0.0	0.0
23-Oct-12	0.0	0.0	0.0
24-Oct-12	0.0	0.0	0.0
25-Oct-12	0.0	0.0	0.0
26-Oct-12	0.0	0.0	0.0
27-Oct-12	0.0	0.0	0.0
28-Oct-12	0.0	0.0	0.0
29-Oct-12	0.0	0.0	0.0
30-Oct-12	0.0	0.0	0.0
31-Oct-12	0.0	0.0	0.0

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Nov-12	0.0	0.0	0.0
2-Nov-12	0.0	0.0	0.0
3-Nov-12	0.0	0.0	0.0
4-Nov-12	0.0	6.7	12.3
5-Nov-12	0.0	3.5	3.3
6-Nov-12	0.0	0.0	0.2
7-Nov-12	0.0	0.0	0.0
8-Nov-12	0.0	0.0	0.0
9-Nov-12	0.0	0.0	0.0
10-Nov-12	0.0	0.0	0.0
11-Nov-12	0.0	0.0	0.0
12-Nov-12	0.0	0.0	0.0
13-Nov-12	0.0	0.0	0.0
14-Nov-12	0.0	0.0	0.0
15-Nov-12	0.0	0.0	0.0
16-Nov-12	0.0	0.0	0.0
17-Nov-12	0.0	0.0	M
18-Nov-12	0.0	0.0	M
19-Nov-12	0.0	0.0	M
20-Nov-12	M	M	M
21-Nov-12	M	M	M
22-Nov-12	0.0	0.0	M
23-Nov-12	0.0	0.0	M
24-Nov-12	0.0	0.0	M
25-Nov-12	0.0	0.0	M
26-Nov-12	0.0	0.0	M
27-Nov-12	0.0	0.0	M
28-Nov-12	0.0	0.0	M
29-Nov-12	0.0	0.0	M
30-Nov-12	0.0	0.0	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Dec-12	0.0	0.0	M
2-Dec-12	0.0	0.0	M
3-Dec-12	0.0	0.0	M
4-Dec-12	0.0	0.0	M
5-Dec-12	0.0	0.0	M
6-Dec-12	0.0	0.0	M
7-Dec-12	0.0	0.0	M
8-Dec-12	0.0	0.0	M
9-Dec-12	0.0	0.0	M
10-Dec-12	0.0	0.0	M
11-Dec-12	0.0	0.0	M
12-Dec-12	0.0	0.0	M
13-Dec-12	0.0	0.0	M
14-Dec-12	0.0	0.0	M
15-Dec-12	0.0	0.0	M
16-Dec-12	0.0	0.0	M
17-Dec-12	0.0	0.0	M
18-Dec-12	0.0	0.0	M
19-Dec-12	0.0	0.0	M
20-Dec-12	0.0	0.0	M
21-Dec-12	0.0	0.0	M
22-Dec-12	0.0	0.0	M
23-Dec-12	0.0	0.0	M
24-Dec-12	0.0	0.0	M
25-Dec-12	0.0	0.0	M
26-Dec-12	0.0	0.0	M
27-Dec-12	0.0	0.0	M
28-Dec-12	0.0	0.0	M
29-Dec-12	0.0	0.0	M
30-Dec-12	0.0	0.0	M
31-Dec-12	0.0	0.0	M



## Appendix 7

Total Daily Snow-water-equivalent (mm)

**Appendix 7. Total Daily Snow-water-equivalent (mm)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Oct-09	M	M	M
2-Oct-09	M	M	M
3-Oct-09	M	M	M
4-Oct-09	M	M	M
5-Oct-09	M	M	M
6-Oct-09	M	M	M
7-Oct-09	M	M	M
8-Oct-09	M	M	M
9-Oct-09	M	M	M
10-Oct-09	M	M	M
11-Oct-09	M	M	M
12-Oct-09	M	M	M
13-Oct-09	0.0	M	M
14-Oct-09	0.0	M	M
15-Oct-09	1.2	M	M
16-Oct-09	7.4	M	M
17-Oct-09	2.4	M	M
18-Oct-09	1.9	M	M
19-Oct-09	4.9	M	M
20-Oct-09	4.8	M	M
21-Oct-09	5.8	M	M
22-Oct-09	5.6	M	M
23-Oct-09	5.5	M	M
24-Oct-09	3.2	M	M
25-Oct-09	7.4	M	M
26-Oct-09	4.4	M	M
27-Oct-09	1.2	M	M
28-Oct-09	2.8	M	M
29-Oct-09	15.6	M	M
30-Oct-09	14.8	M	M
31-Oct-09	8.0	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Nov-09	2.6	M	M
2-Nov-09	7.4	M	M
3-Nov-09	3.8	M	M
4-Nov-09	2.9	M	M
5-Nov-09	11.2	M	M
6-Nov-09	1.9	M	M
7-Nov-09	1.0	M	M
8-Nov-09	0.0	M	M
9-Nov-09	3.3	M	M
10-Nov-09	4.1	M	M
11-Nov-09	2.2	M	M
12-Nov-09	6.2	M	M
13-Nov-09	0.7	M	M
14-Nov-09	9.9	M	M
15-Nov-09	6.0	M	M
16-Nov-09	2.6	M	M
17-Nov-09	2.5	M	M
18-Nov-09	0.0	M	M
19-Nov-09	1.1	M	M
20-Nov-09	1.8	M	M
21-Nov-09	1.9	M	M
22-Nov-09	0.8	M	M
23-Nov-09	5.7	M	M
24-Nov-09	2.4	M	M
25-Nov-09	5.3	M	M
26-Nov-09	5.0	M	M
27-Nov-09	1.9	M	M
28-Nov-09	4.6	M	M
29-Nov-09	6.3	M	M
30-Nov-09	0.6	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Dec-09	0.9	M	M
2-Dec-09	0.0	M	M
3-Dec-09	6.2	M	M
4-Dec-09	0.0	M	M
5-Dec-09	0.0	M	M
6-Dec-09	0.9	M	M
7-Dec-09	0.0	M	M
8-Dec-09	0.0	M	M
9-Dec-09	0.0	M	M
10-Dec-09	0.0	M	M
11-Dec-09	0.0	M	M
12-Dec-09	0.0	M	M
13-Dec-09	0.0	M	M
14-Dec-09	0.0	M	M
15-Dec-09	0.0	M	M
16-Dec-09	11.6	M	M
17-Dec-09	0.0	M	M
18-Dec-09	0.0	M	M
19-Dec-09	9.8	M	M
20-Dec-09	0.0	M	M
21-Dec-09	16.1	M	M
22-Dec-09	0.0	M	M
23-Dec-09	27.3	M	M
24-Dec-09	0.0	M	M
25-Dec-09	14.3	M	M
26-Dec-09	0.0	M	M
27-Dec-09	0.0	M	M
28-Dec-09	29.0	M	M
29-Dec-09	0.0	M	M
30-Dec-09	9.7	M	M
31-Dec-09	39.0	M	M

Appendix 7. Total Daily Snow-water-equivalent (mm)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jan-10	16.5	M	M
2-Jan-10	9.5	M	M
3-Jan-10	0.0	M	M
4-Jan-10	0.0	M	M
5-Jan-10	0.0	M	M
6-Jan-10	0.0	M	M
7-Jan-10	16.3	M	M
8-Jan-10	4.4	M	M
9-Jan-10	6.6	M	M
10-Jan-10	0.0	M	M
11-Jan-10	0.0	M	M
12-Jan-10	11.1	M	M
13-Jan-10	0.0	M	M
14-Jan-10	28.2	M	M
15-Jan-10	0.0	M	M
16-Jan-10	13.8	M	M
17-Jan-10	2.3	M	M
18-Jan-10	8.7	M	M
19-Jan-10	0.0	M	M
20-Jan-10	3.3	M	M
21-Jan-10	0.0	M	M
22-Jan-10	0.0	M	M
23-Jan-10	0.0	M	M
24-Jan-10	1.4	M	M
25-Jan-10	17.8	M	M
26-Jan-10	0.0	M	M
27-Jan-10	15.1	M	M
28-Jan-10	0.0	M	M
29-Jan-10	4.9	M	M
30-Jan-10	0.0	M	M
31-Jan-10	0.0	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Feb-10	0.0	M	M
2-Feb-10	0.0	M	M
3-Feb-10	15.2	M	M
4-Feb-10	1.0	M	M
5-Feb-10	17.2	M	M
6-Feb-10	16.2	M	M
7-Feb-10	0.0	M	M
8-Feb-10	0.0	M	M
9-Feb-10	13.9	M	M
10-Feb-10	15.1	M	M
11-Feb-10	0.0	M	M
12-Feb-10	0.0	M	M
13-Feb-10	23.4	M	M
14-Feb-10	0.0	M	M
15-Feb-10	6.3	M	M
16-Feb-10	0.9	M	M
17-Feb-10	1.8	M	M
18-Feb-10	24.9	M	M
19-Feb-10	0.0	M	M
20-Feb-10	0.0	M	M
21-Feb-10	0.0	M	M
22-Feb-10	13.9	M	M
23-Feb-10	4.5	M	M
24-Feb-10	1.0	M	M
25-Feb-10	0.0	M	M
26-Feb-10	2.9	M	M
27-Feb-10	0.0	M	M
28-Feb-10	23.7	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Mar-10	8.0	M	M
2-Mar-10	0.0	M	M
3-Mar-10	13.8	M	M
4-Mar-10	5.9	M	M
5-Mar-10	18.4	M	M
6-Mar-10	0.0	M	M
7-Mar-10	12.0	M	M
8-Mar-10	9.4	M	M
9-Mar-10	0.0	M	M
10-Mar-10	24.9	M	M
11-Mar-10	0.0	M	M
12-Mar-10	3.5	M	M
13-Mar-10	10.1	M	M
14-Mar-10	0.0	M	M
15-Mar-10	15.6	M	M
16-Mar-10	21.0	M	M
17-Mar-10	0.0	M	M
18-Mar-10	8.7	M	M
19-Mar-10	0.0	M	M
20-Mar-10	8.3	M	M
21-Mar-10	9.3	M	M
22-Mar-10	13.4	M	M
23-Mar-10	14.3	M	M
24-Mar-10	0.0	M	M
25-Mar-10	0.0	M	M
26-Mar-10	12.3	M	M
27-Mar-10	0.0	M	M
28-Mar-10	0.0	M	M
29-Mar-10	0.0	M	M
30-Mar-10	0.0	M	M
31-Mar-10	15.3	M	M

**Appendix 7. Total Daily Snow-water-equivalent (mm)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Apr-10	14.4	M	M
2-Apr-10	0.0	M	M
3-Apr-10	0.0	M	M
4-Apr-10	22.2	M	M
5-Apr-10	8.1	M	M
6-Apr-10	0.0	M	M
7-Apr-10	0.0	M	M
8-Apr-10	0.0	M	M
9-Apr-10	14.8	M	M
10-Apr-10	15.9	M	M
11-Apr-10	0.0	M	M
12-Apr-10	0.0	M	M
13-Apr-10	13.9	M	M
14-Apr-10	2.5	M	M
15-Apr-10	0.0	M	M
16-Apr-10	0.0	M	M
17-Apr-10	0.0	M	M
18-Apr-10	20.6	M	M
19-Apr-10	0.0	M	M
20-Apr-10	0.0	M	M
21-Apr-10	0.7	M	M
22-Apr-10	0.0	M	M
23-Apr-10	36.5	M	M
24-Apr-10	0.8	M	M
25-Apr-10	12.1	M	M
26-Apr-10	0.0	M	M
27-Apr-10	0.0	M	M
28-Apr-10	4.2	M	M
29-Apr-10	0.6	M	M
30-Apr-10	2.7	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-May-10	0.0	M	M
2-May-10	0.0	M	M
3-May-10	12.5	M	M
4-May-10	1.3	M	M
5-May-10	0.0	M	M
6-May-10	10.1	M	M
7-May-10	0.0	M	M
8-May-10	0.0	M	M
9-May-10	0.0	M	M
10-May-10	3.1	M	M
11-May-10	6.0	M	M
12-May-10	0.0	M	M
13-May-10	0.0	M	M
14-May-10	4.0	M	M
15-May-10	0.0	M	M
16-May-10	6.4	M	M
17-May-10	0.0	M	M
18-May-10	0.0	M	M
19-May-10	0.0	M	M
20-May-10	0.0	M	M
21-May-10	0.7	M	M
22-May-10	0.0	M	M
23-May-10	0.0	M	M
24-May-10	0.0	M	M
25-May-10	0.0	M	M
26-May-10	0.0	M	M
27-May-10	0.0	M	M
28-May-10	0.0	M	M
29-May-10	0.0	M	M
30-May-10	0.0	M	M
31-May-10	0.0	M	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jun-10	0.0	M	M
2-Jun-10	0.0	M	M
3-Jun-10	0.8	M	M
4-Jun-10	0.0	M	M
5-Jun-10	0.0	M	M
6-Jun-10	0.0	M	M
7-Jun-10	0.0	M	M
8-Jun-10	0.0	M	M
9-Jun-10	0.0	M	M
10-Jun-10	0.0	M	M
11-Jun-10	0.0	M	M
12-Jun-10	3.6	M	M
13-Jun-10	5.7	M	M
14-Jun-10	0.5	M	M
15-Jun-10	0.2	M	M
16-Jun-10	0.0	M	M
17-Jun-10	0.0	M	M
18-Jun-10	0.0	M	M
19-Jun-10	0.0	M	M
20-Jun-10	0.0	M	M
21-Jun-10	0.0	M	M
22-Jun-10	0.0	M	M
23-Jun-10	0.0	M	M
24-Jun-10	0.0	M	M
25-Jun-10	0.0	M	M
26-Jun-10	0.0	M	M
27-Jun-10	0.0	M	M
28-Jun-10	0.0	M	M
29-Jun-10	0.0	M	M
30-Jun-10	13.7	M	M

**Appendix 7. Total Daily Snow-water-equivalent (mm)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jul-10	2.2	M	M
2-Jul-10	0.0	M	M
3-Jul-10	0.0	M	M
4-Jul-10	0.0	M	M
5-Jul-10	0.0	M	M
6-Jul-10	0.0	M	M
7-Jul-10	0.0	M	M
8-Jul-10	0.0	M	M
9-Jul-10	0.0	M	M
10-Jul-10	0.0	M	M
11-Jul-10	0.0	M	M
12-Jul-10	0.0	M	M
13-Jul-10	0.0	M	M
14-Jul-10	0.0	M	M
15-Jul-10	0.0	M	M
16-Jul-10	0.0	M	M
17-Jul-10	0.0	M	M
18-Jul-10	0.0	M	M
19-Jul-10	0.0	M	M
20-Jul-10	0.0	M	M
21-Jul-10	0.0	M	M
22-Jul-10	0.0	M	M
23-Jul-10	0.0	M	M
24-Jul-10	0.0	M	M
25-Jul-10	0.0	M	M
26-Jul-10	0.0	M	M
27-Jul-10	0.0	M	M
28-Jul-10	0.0	M	M
29-Jul-10	0.0	0.0	M
30-Jul-10	0.0	0.0	M
31-Jul-10	0.0	0.0	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Aug-10	0.0	0.0	M
2-Aug-10	0.0	0.0	M
3-Aug-10	0.0	0.0	M
4-Aug-10	0.0	0.0	M
5-Aug-10	0.0	0.0	M
6-Aug-10	0.0	0.0	M
7-Aug-10	0.0	0.0	M
8-Aug-10	0.0	0.0	M
9-Aug-10	0.0	0.0	M
10-Aug-10	0.0	0.0	M
11-Aug-10	0.0	0.0	M
12-Aug-10	0.0	0.0	M
13-Aug-10	0.0	0.0	M
14-Aug-10	0.0	0.0	M
15-Aug-10	0.0	0.0	M
16-Aug-10	0.0	0.0	M
17-Aug-10	0.0	0.0	M
18-Aug-10	0.0	0.0	M
19-Aug-10	0.0	0.0	M
20-Aug-10	0.0	0.0	M
21-Aug-10	0.0	0.0	M
22-Aug-10	0.0	0.0	M
23-Aug-10	0.0	0.0	M
24-Aug-10	0.0	0.0	M
25-Aug-10	0.0	0.0	M
26-Aug-10	0.0	0.0	M
27-Aug-10	0.0	0.0	M
28-Aug-10	0.0	0.0	M
29-Aug-10	0.0	0.0	M
30-Aug-10	0.0	0.0	M
31-Aug-10	0.0	0.0	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Sep-10	0.0	0.0	M
2-Sep-10	0.0	0.0	M
3-Sep-10	0.0	0.0	M
4-Sep-10	0.0	0.0	M
5-Sep-10	0.0	0.0	M
6-Sep-10	0.0	0.0	M
7-Sep-10	0.0	0.0	M
8-Sep-10	0.0	0.0	M
9-Sep-10	0.0	0.0	M
10-Sep-10	0.0	0.0	M
11-Sep-10	0.0	0.0	M
12-Sep-10	0.0	0.0	M
13-Sep-10	0.0	0.0	M
14-Sep-10	0.0	0.0	M
15-Sep-10	0.0	0.0	M
16-Sep-10	0.0	0.0	M
17-Sep-10	0.0	0.0	M
18-Sep-10	0.0	0.0	M
19-Sep-10	0.0	0.0	M
20-Sep-10	0.0	0.0	M
21-Sep-10	0.0	0.0	M
22-Sep-10	0.0	0.0	M
23-Sep-10	0.0	0.0	M
24-Sep-10	0.0	0.0	M
25-Sep-10	0.0	0.0	M
26-Sep-10	0.0	0.0	M
27-Sep-10	0.0	0.0	M
28-Sep-10	0.0	0.0	M
29-Sep-10	0.0	0.0	M
30-Sep-10	0.0	0.0	M

Appendix 7. Total Daily Snow-water-equivalent (mm)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Oct-10	0.0	0.0	M
2-Oct-10	2.7	0.0	M
3-Oct-10	0.1	0.0	M
4-Oct-10	4.2	0.0	M
5-Oct-10	1.9	0.0	M
6-Oct-10	0.0	0.0	M
7-Oct-10	1.3	0.0	M
8-Oct-10	3.8	0.0	M
9-Oct-10	0.0	0.0	M
10-Oct-10	13.9	0.0	M
11-Oct-10	7.4	0.0	M
12-Oct-10	15.9	0.0	M
13-Oct-10	10.8	0.0	M
14-Oct-10	14.4	0.0	M
15-Oct-10	3.4	0.2	M
16-Oct-10	11.1	5.4	M
17-Oct-10	1.3	0.0	M
18-Oct-10	3.6	0.0	M
19-Oct-10	0.0	0.0	M
20-Oct-10	6.1	3.5	M
21-Oct-10	1.3	1.8	M
22-Oct-10	0.0	1.9	M
23-Oct-10	0.9	0.0	M
24-Oct-10	1.0	0.0	M
25-Oct-10	0.0	0.0	M
26-Oct-10	3.1	0.0	M
27-Oct-10	0.9	0.1	M
28-Oct-10	0.0	0.3	M
29-Oct-10	1.6	16.4	M
30-Oct-10	6.0	11.1	M
31-Oct-10	4.9	5.8	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Nov-10	18.9	14.1	M
2-Nov-10	27.5	18.3	M
3-Nov-10	8.9	2.1	M
4-Nov-10	24.9	0.0	M
5-Nov-10	7.8	4.3	M
6-Nov-10	1.9	0.0	M
7-Nov-10	2.9	1.7	M
8-Nov-10	2.6	0.0	M
9-Nov-10	0.0	1.0	M
10-Nov-10	0.0	0.3	M
11-Nov-10	10.5	0.0	M
12-Nov-10	2.8	0.0	M
13-Nov-10	8.6	0.5	M
14-Nov-10	4.8	2.1	M
15-Nov-10	0.9	0.0	M
16-Nov-10	0.0	0.0	M
17-Nov-10	0.0	2.4	M
18-Nov-10	1.4	0.0	M
19-Nov-10	0.0	0.7	M
20-Nov-10	0.0	1.0	M
21-Nov-10	0.0	0.7	M
22-Nov-10	0.0	0.4	M
23-Nov-10	1.0	0.4	M
24-Nov-10	9.9	7.8	M
25-Nov-10	2.1	8.2	M
26-Nov-10	4.8	2.5	M
27-Nov-10	0.8	0.4	M
28-Nov-10	0.0	0.3	M
29-Nov-10	1.3	5.4	M
30-Nov-10	5.7	4.5	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Dec-10	1.9	0.4	M
2-Dec-10	0.0	0.6	M
3-Dec-10	1.2	0.0	M
4-Dec-10	0.0	0.6	M
5-Dec-10	0.0	0.0	M
6-Dec-10	0.0	0.0	M
7-Dec-10	2.2	2.4	M
8-Dec-10	1.8	2.2	M
9-Dec-10	0.0	0.0	M
10-Dec-10	0.0	0.3	M
11-Dec-10	2.1	2.3	M
12-Dec-10	0.0	5.7	M
13-Dec-10	5.4	5.3	M
14-Dec-10	0.0	0.0	M
15-Dec-10	2.4	3.5	M
16-Dec-10	0.0	0.0	M
17-Dec-10	0.0	0.0	M
18-Dec-10	0.0	0.0	M
19-Dec-10	0.0	0.0	M
20-Dec-10	0.0	0.0	M
21-Dec-10	0.0	0.4	M
22-Dec-10	1.0	1.2	M
23-Dec-10	0.0	6.5	M
24-Dec-10	5.3	2.1	M
25-Dec-10	0.8	0.9	M
26-Dec-10	0.5	0.0	M
27-Dec-10	5.7	0.0	M
28-Dec-10	0.5	0.0	M
29-Dec-10	0.0	0.3	M
30-Dec-10	0.9	0.0	M
31-Dec-10	1.2	0.0	M

Appendix 7. Total Daily Snow-water-equivalent (mm)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jan-11	1.4	1.7	M
2-Jan-11	0.4	0.0	M
3-Jan-11	0.7	0.6	M
4-Jan-11	2.7	4.0	M
5-Jan-11	11.4	19.3	M
6-Jan-11	3.1	4.8	M
7-Jan-11	0.0	0.0	M
8-Jan-11	0.1	0.0	M
9-Jan-11	0.0	0.0	M
10-Jan-11	0.0	0.0	M
11-Jan-11	0.3	0.0	M
12-Jan-11	0.0	0.0	M
13-Jan-11	0.2	0.0	M
14-Jan-11	0.0	0.0	M
15-Jan-11	1.3	1.6	M
16-Jan-11	2.5	3.7	M
17-Jan-11	0.6	0.3	M
18-Jan-11	3.4	5.4	M
19-Jan-11	8.8	14.8	M
20-Jan-11	3.7	5.9	M
21-Jan-11	7.2	12.0	M
22-Jan-11	14.9	25.4	M
23-Jan-11	3.0	4.5	M
24-Jan-11	3.8	6.0	M
25-Jan-11	9.4	15.8	M
26-Jan-11	11.6	19.7	M
27-Jan-11	2.6	3.9	M
28-Jan-11	0.2	0.0	M
29-Jan-11	0.0	0.0	M
30-Jan-11	0.5	0.2	M
31-Jan-11	0.0	0.0	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Feb-11	5.3	8.7	M
2-Feb-11	4.7	7.5	M
3-Feb-11	9.6	16.2	M
4-Feb-11	3.4	5.3	M
5-Feb-11	1.3	1.7	M
6-Feb-11	3.0	4.5	M
7-Feb-11	0.3	0.0	M
8-Feb-11	0.0	0.0	M
9-Feb-11	5.6	9.2	M
10-Feb-11	6.6	10.9	M
11-Feb-11	2.6	4.0	M
12-Feb-11	11.4	19.3	M
13-Feb-11	3.8	6.0	M
14-Feb-11	2.7	4.1	M
15-Feb-11	2.4	3.6	M
16-Feb-11	2.0	2.9	M
17-Feb-11	0.0	0.0	M
18-Feb-11	0.0	0.0	M
19-Feb-11	2.8	4.3	M
20-Feb-11	2.4	3.5	M
21-Feb-11	2.0	2.8	M
22-Feb-11	0.3	0.0	M
23-Feb-11	0.0	0.0	M
24-Feb-11	0.0	0.0	M
25-Feb-11	0.4	0.0	M
26-Feb-11	4.8	7.8	M
27-Feb-11	0.6	0.3	M
28-Feb-11	0.0	0.0	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Mar-11	0.0	0.0	M
2-Mar-11	1.0	1.1	M
3-Mar-11	0.0	0.0	M
4-Mar-11	1.1	1.2	M
5-Mar-11	1.0	1.1	M
6-Mar-11	0.0	0.0	M
7-Mar-11	0.2	0.0	M
8-Mar-11	0.0	0.0	M
9-Mar-11	1.3	1.6	M
10-Mar-11	9.2	15.5	M
11-Mar-11	4.0	6.3	M
12-Mar-11	1.2	1.4	M
13-Mar-11	0.5	0.2	M
14-Mar-11	3.2	5.0	M
15-Mar-11	1.3	3.6	M
16-Mar-11	2.3	1.9	M
17-Mar-11	0.1	0.1	M
18-Mar-11	0.0	0.0	M
19-Mar-11	0.0	0.0	M
20-Mar-11	2.0	0.0	M
21-Mar-11	0.2	0.0	M
22-Mar-11	0.0	0.3	M
23-Mar-11	0.2	1.6	M
24-Mar-11	0.0	0.0	M
25-Mar-11	0.2	0.0	M
26-Mar-11	0.0	0.0	M
27-Mar-11	0.6	0.0	M
28-Mar-11	0.2	0.1	M
29-Mar-11	3.2	2.6	M
30-Mar-11	13.0	15.9	M
31-Mar-11	7.0	1.7	M

**Appendix 7. Total Daily Snow-water-equivalent (mm)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Apr-11	5.3	2.0	M
2-Apr-11	0.0	1.1	M
3-Apr-11	0.4	7.1	M
4-Apr-11	4.9	4.0	M
5-Apr-11	0.0	0.4	M
6-Apr-11	1.1	0.4	M
7-Apr-11	0.6	0.9	M
8-Apr-11	3.7	0.9	M
9-Apr-11	8.4	4.4	M
10-Apr-11	0.4	1.4	M
11-Apr-11	0.0	1.2	M
12-Apr-11	0.2	2.7	M
13-Apr-11	4.7	0.3	M
14-Apr-11	10.3	6.1	M
15-Apr-11	0.0	0.0	M
16-Apr-11	2.4	0.8	M
17-Apr-11	11.6	3.8	M
18-Apr-11	0.7	0.0	M
19-Apr-11	0.2	0.0	M
20-Apr-11	1.2	0.4	M
21-Apr-11	0.6	0.0	M
22-Apr-11	1.1	0.0	M
23-Apr-11	0.0	0.0	M
24-Apr-11	0.0	0.0	M
25-Apr-11	0.2	0.0	M
26-Apr-11	0.8	0.0	M
27-Apr-11	0.0	0.0	M
28-Apr-11	0.1	0.0	M
29-Apr-11	0.0	0.0	M
30-Apr-11	0.1	0.0	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-May-11	0.0	0.5	M
2-May-11	4.1	2.1	M
3-May-11	4.5	0.0	M
4-May-11	0.2	3.0	M
5-May-11	0.0	0.0	M
6-May-11	0.5	0.0	M
7-May-11	0.0	0.0	M
8-May-11	0.0	0.0	M
9-May-11	5.7	0.0	M
10-May-11	4.0	0.0	M
11-May-11	0.4	0.0	M
12-May-11	1.5	0.0	M
13-May-11	0.0	0.0	M
14-May-11	0.0	0.0	M
15-May-11	0.0	0.0	M
16-May-11	0.0	0.0	M
17-May-11	7.1	0.0	M
18-May-11	1.2	0.0	M
19-May-11	0.0	0.0	M
20-May-11	0.0	0.0	M
21-May-11	0.0	0.0	M
22-May-11	5.0	0.0	M
23-May-11	0.0	0.0	M
24-May-11	0.0	0.0	M
25-May-11	0.0	0.0	M
26-May-11	0.0	0.0	M
27-May-11	0.0	0.0	M
28-May-11	0.0	0.0	M
29-May-11	0.0	0.0	M
30-May-11	0.0	0.0	M
31-May-11	0.0	0.0	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jun-11	0.0	0.0	M
2-Jun-11	0.0	0.0	M
3-Jun-11	0.0	0.0	M
4-Jun-11	0.0	0.0	M
5-Jun-11	0.0	0.0	M
6-Jun-11	0.0	0.0	M
7-Jun-11	0.0	0.0	M
8-Jun-11	0.0	0.0	M
9-Jun-11	0.0	0.0	M
10-Jun-11	0.0	0.0	M
11-Jun-11	0.0	0.0	M
12-Jun-11	0.0	0.0	M
13-Jun-11	0.0	0.0	M
14-Jun-11	0.0	0.0	M
15-Jun-11	0.0	0.0	M
16-Jun-11	0.0	0.0	M
17-Jun-11	0.0	0.0	M
18-Jun-11	0.0	0.0	M
19-Jun-11	0.0	0.0	M
20-Jun-11	0.0	0.0	M
21-Jun-11	0.0	0.0	M
22-Jun-11	0.0	0.0	M
23-Jun-11	0.0	0.0	M
24-Jun-11	0.0	0.0	M
25-Jun-11	0.0	0.0	M
26-Jun-11	0.0	0.0	M
27-Jun-11	0.0	0.0	M
28-Jun-11	0.0	0.0	M
29-Jun-11	0.0	0.0	M
30-Jun-11	0.0	0.0	M



**Appendix 7. Total Daily Snow-water-equivalent (mm)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jul-11	4.7	0.0	M
2-Jul-11	0.0	0.0	M
3-Jul-11	0.7	0.0	M
4-Jul-11	0.5	0.0	M
5-Jul-11	0.0	0.0	M
6-Jul-11	0.0	0.0	M
7-Jul-11	0.0	0.0	M
8-Jul-11	0.0	0.0	M
9-Jul-11	0.0	0.0	M
10-Jul-11	0.0	0.0	M
11-Jul-11	0.0	0.0	M
12-Jul-11	0.0	0.0	M
13-Jul-11	0.0	0.0	M
14-Jul-11	0.0	0.0	M
15-Jul-11	0.0	0.0	M
16-Jul-11	0.0	0.0	M
17-Jul-11	0.0	0.0	M
18-Jul-11	0.0	0.0	M
19-Jul-11	0.0	0.0	M
20-Jul-11	0.0	0.0	M
21-Jul-11	0.0	0.0	M
22-Jul-11	0.0	0.0	M
23-Jul-11	0.0	0.0	M
24-Jul-11	0.0	0.0	M
25-Jul-11	0.0	0.0	M
26-Jul-11	0.0	0.0	M
27-Jul-11	0.0	0.0	M
28-Jul-11	0.0	0.0	M
29-Jul-11	0.0	0.0	M
30-Jul-11	0.0	0.0	M
31-Jul-11	0.0	0.0	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Aug-11	0.0	0.0	M
2-Aug-11	0.0	0.0	M
3-Aug-11	0.0	0.0	M
4-Aug-11	0.0	0.0	M
5-Aug-11	0.0	0.0	M
6-Aug-11	0.0	0.0	M
7-Aug-11	0.0	0.0	M
8-Aug-11	0.0	0.0	M
9-Aug-11	0.0	0.0	M
10-Aug-11	0.0	0.0	M
11-Aug-11	0.0	0.0	M
12-Aug-11	0.0	0.0	M
13-Aug-11	0.0	0.0	0.0
14-Aug-11	0.0	0.0	0.0
15-Aug-11	0.0	0.0	0.0
16-Aug-11	0.0	0.0	0.0
17-Aug-11	0.0	0.0	0.0
18-Aug-11	0.0	0.0	0.0
19-Aug-11	0.0	0.0	0.0
20-Aug-11	0.0	0.0	0.0
21-Aug-11	0.0	0.0	0.0
22-Aug-11	0.0	0.0	0.0
23-Aug-11	0.0	0.0	0.0
24-Aug-11	0.0	0.0	0.0
25-Aug-11	0.0	0.0	0.0
26-Aug-11	0.0	0.0	0.0
27-Aug-11	0.0	0.0	0.0
28-Aug-11	0.0	0.0	0.0
29-Aug-11	0.0	0.0	0.0
30-Aug-11	0.0	0.0	0.0
31-Aug-11	0.0	0.0	0.0

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Sep-11	0.0	0.0	0.0
2-Sep-11	0.0	0.0	0.0
3-Sep-11	0.0	0.0	0.0
4-Sep-11	0.0	0.0	0.0
5-Sep-11	0.0	0.0	0.0
6-Sep-11	0.0	0.0	0.0
7-Sep-11	0.0	0.0	0.0
8-Sep-11	0.0	0.0	0.0
9-Sep-11	0.0	0.0	0.0
10-Sep-11	0.0	0.0	0.0
11-Sep-11	0.0	0.0	0.0
12-Sep-11	0.0	0.0	0.0
13-Sep-11	0.0	0.0	0.0
14-Sep-11	0.0	0.0	0.0
15-Sep-11	0.0	0.0	0.0
16-Sep-11	0.0	0.0	0.0
17-Sep-11	0.0	0.0	0.0
18-Sep-11	3.0	0.0	0.0
19-Sep-11	0.0	0.0	0.0
20-Sep-11	0.0	0.0	0.0
21-Sep-11	0.0	0.0	0.0
22-Sep-11	2.2	0.0	0.0
23-Sep-11	17.1	0.0	0.0
24-Sep-11	7.0	0.0	0.0
25-Sep-11	3.5	0.0	0.0
26-Sep-11	3.3	0.0	0.0
27-Sep-11	7.2	0.0	0.0
28-Sep-11	2.2	0.0	0.0
29-Sep-11	7.1	0.0	0.0
30-Sep-11	2.6	0.0	0.0

Appendix 7. Total Daily Snow-water-equivalent (mm)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Oct-11	0.0	0.0	0.0
2-Oct-11	0.0	0.0	0.0
3-Oct-11	0.6	0.0	0.0
4-Oct-11	1.2	0.0	0.0
5-Oct-11	0.0	0.0	0.0
6-Oct-11	1.5	0.0	0.0
7-Oct-11	3.8	0.0	0.0
8-Oct-11	8.1	2.5	0.3
9-Oct-11	9.7	0.0	0.0
10-Oct-11	0.0	0.0	0.0
11-Oct-11	4.2	0.0	0.0
12-Oct-11	1.7	0.0	0.0
13-Oct-11	3.7	0.0	0.0
14-Oct-11	0.3	0.1	0.0
15-Oct-11	0.0	0.4	0.7
16-Oct-11	2.0	2.7	2.8
17-Oct-11	8.3	12.8	7.9
18-Oct-11	5.3	0.0	0.0
19-Oct-11	7.0	0.0	0.0
20-Oct-11	0.1	0.1	0.0
21-Oct-11	7.8	6.6	5.3
22-Oct-11	8.3	7.8	10.3
23-Oct-11	4.0	7.5	2.0
24-Oct-11	0.8	3.0	0.1
25-Oct-11	0.2	3.2	3.8
26-Oct-11	5.9	5.4	15.8
27-Oct-11	4.6	5.1	4.2
28-Oct-11	6.2	13.8	24.6
29-Oct-11	10.7	12.8	24.1
30-Oct-11	6.3	15.4	10.9
31-Oct-11	1.5	1.7	0.5

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Nov-11	4.4	22.6	23.3
2-Nov-11	15.5	0.9	12.1
3-Nov-11	0.0	0.0	M
4-Nov-11	0.0	0.0	M
5-Nov-11	2.6	4.0	M
6-Nov-11	4.2	6.7	M
7-Nov-11	4.9	7.9	M
8-Nov-11	0.2	0.0	M
9-Nov-11	8.6	14.4	M
10-Nov-11	3.4	5.2	M
11-Nov-11	3.7	5.9	M
12-Nov-11	5.1	8.3	M
13-Nov-11	2.4	3.6	M
14-Nov-11	2.5	3.6	M
15-Nov-11	3.2	5.0	M
16-Nov-11	4.2	6.7	M
17-Nov-11	0.0	0.0	M
18-Nov-11	0.6	0.3	M
19-Nov-11	1.0	1.0	M
20-Nov-11	0.8	0.7	M
21-Nov-11	2.9	4.5	M
22-Nov-11	1.7	2.3	M
23-Nov-11	4.6	7.3	M
24-Nov-11	14.0	23.9	M
25-Nov-11	2.1	3.0	M
26-Nov-11	16.1	27.6	M
27-Nov-11	1.2	1.4	M
28-Nov-11	7.7	12.9	M
29-Nov-11	0.0	0.0	M
30-Nov-11	1.0	1.1	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Dec-11	8.9	14.9	M
2-Dec-11	2.0	2.8	M
3-Dec-11	0.5	0.2	M
4-Dec-11	1.0	1.0	M
5-Dec-11	9.0	15.1	M
6-Dec-11	0.3	0.0	M
7-Dec-11	0.1	0.0	M
8-Dec-11	0.5	0.2	M
9-Dec-11	2.2	3.3	M
10-Dec-11	7.6	12.7	M
11-Dec-11	0.0	0.0	M
12-Dec-11	5.0	8.0	M
13-Dec-11	0.3	0.0	M
14-Dec-11	0.0	0.0	M
15-Dec-11	0.0	3.1	M
16-Dec-11	8.7	16.6	M
17-Dec-11	0.0	0.0	M
18-Dec-11	1.6	6.9	M
19-Dec-11	20.4	26.5	12.3
20-Dec-11	2.1	0.0	2.7
21-Dec-11	2.0	6.9	4.1
22-Dec-11	3.4	14.3	6.8
23-Dec-11	7.4	18.4	7.3
24-Dec-11	7.4	16.5	1.3
25-Dec-11	2.8	0.0	0.4
26-Dec-11	9.7	5.1	0.0
27-Dec-11	2.4	0.0	0.1
28-Dec-11	8.4	5.7	0.0
29-Dec-11	2.6	0.0	0.2
30-Dec-11	3.5	0.0	0.0
31-Dec-11	0.3	0.7	0.4

Appendix 7. Total Daily Snow-water-equivalent (mm)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jan-12	15.7	4.4	0.0
2-Jan-12	6.9	0.1	0.3
3-Jan-12	9.8	8.4	0.0
4-Jan-12	15.4	0.0	0.0
5-Jan-12	3.2	0.7	1.8
6-Jan-12	1.1	0.3	2.0
7-Jan-12	17.7	7.4	8.2
8-Jan-12	9.0	0.0	11.1
9-Jan-12	2.3	1.0	1.0
10-Jan-12	0.0	0.0	0.3
11-Jan-12	2.5	0.3	2.9
12-Jan-12	11.4	0.3	10.0
13-Jan-12	0.8	0.0	2.6
14-Jan-12	0.0	0.0	0.1
15-Jan-12	0.0	1.4	0.0
16-Jan-12	0.0	0.4	0.0
17-Jan-12	0.2	0.3	0.0
18-Jan-12	0.0	0.0	0.0
19-Jan-12	0.0	0.4	0.0
20-Jan-12	6.1	2.1	0.0
21-Jan-12	2.4	0.2	0.0
22-Jan-12	1.2	0.0	3.1
23-Jan-12	0.2	1.6	2.3
24-Jan-12	7.7	6.6	5.1
25-Jan-12	15.5	0.0	0.1
26-Jan-12	5.0	2.1	0.0
27-Jan-12	3.9	1.9	0.1
28-Jan-12	4.6	0.8	0.0
29-Jan-12	1.4	4.2	0.0
30-Jan-12	11.3	3.3	0.1
31-Jan-12	3.3	0.0	0.0

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Feb-12	2.8	0.0	0.0
2-Feb-12	2.7	0.0	40.4
3-Feb-12	2.7	35.8	2.5
4-Feb-12	0.0	4.0	0.2
5-Feb-12	0.5	0.0	0.0
6-Feb-12	0.0	0.2	1.2
7-Feb-12	0.0	0.0	0.3
8-Feb-12	0.7	7.0	0.3
9-Feb-12	1.5	0.0	3.4
10-Feb-12	0.0	2.2	1.1
11-Feb-12	0.4	0.0	0.2
12-Feb-12	3.2	2.4	1.2
13-Feb-12	0.0	0.7	0.1
14-Feb-12	0.0	0.0	0.0
15-Feb-12	0.5	1.8	0.4
16-Feb-12	1.1	1.5	1.5
17-Feb-12	0.0	3.9	0.2
18-Feb-12	1.9	0.6	0.8
19-Feb-12	0.0	2.4	2.2
20-Feb-12	6.3	11.5	5.2
21-Feb-12	5.6	4.1	3.2
22-Feb-12	2.2	4.0	1.4
23-Feb-12	0.0	0.2	0.1
24-Feb-12	0.0	0.5	0.0
25-Feb-12	0.0	0.0	0.0
26-Feb-12	0.1	0.4	0.0
27-Feb-12	0.6	5.4	6.1
28-Feb-12	0.4	0.2	1.1
29-Feb-12	0.4	0.9	0.9

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Mar-12	0.4	3.0	1.6
2-Mar-12	9.5	8.2	5.2
3-Mar-12	4.8	4.2	4.6
4-Mar-12	1.6	2.1	1.7
5-Mar-12	0.0	0.5	0.0
6-Mar-12	4.0	4.3	3.9
7-Mar-12	11.1	0.0	7.2
8-Mar-12	5.2	0.0	23.2
9-Mar-12	6.7	2.3	13.2
10-Mar-12	1.9	0.0	25.1
11-Mar-12	1.7	0.0	5.7
12-Mar-12	0.0	0.0	0.1
13-Mar-12	0.3	3.9	1.0
14-Mar-12	0.2	0.1	5.1
15-Mar-12	1.3	9.3	5.9
16-Mar-12	0.6	4.2	1.6
17-Mar-12	0.0	6.9	6.9
18-Mar-12	0.0	0.0	0.2
19-Mar-12	0.3	9.7	0.0
20-Mar-12	0.6	4.0	1.9
21-Mar-12	1.8	6.8	1.4
22-Mar-12	0.3	9.2	1.9
23-Mar-12	2.2	3.1	0.5
24-Mar-12	0.1	0.0	0.0
25-Mar-12	0.0	0.0	0.1
26-Mar-12	0.0	0.0	0.0
27-Mar-12	0.0	0.0	0.0
28-Mar-12	2.9	0.7	1.0
29-Mar-12	2.6	0.8	0.2
30-Mar-12	4.2	6.7	0.0
31-Mar-12	0.0	0.0	0.0

**Appendix 7. Total Daily Snow-water-equivalent (mm)**

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Apr-12	0.2	0.0	0.0
2-Apr-12	7.1	11.8	14.5
3-Apr-12	0.0	0.0	0.0
4-Apr-12	0.0	0.0	0.1
5-Apr-12	0.0	0.0	0.0
6-Apr-12	0.0	0.0	0.0
7-Apr-12	0.0	0.0	0.0
8-Apr-12	0.0	0.0	0.0
9-Apr-12	0.0	0.0	0.0
10-Apr-12	0.1	0.0	0.0
11-Apr-12	1.7	0.0	0.0
12-Apr-12	3.8	0.0	0.0
13-Apr-12	2.1	0.0	0.0
14-Apr-12	1.7	0.0	0.0
15-Apr-12	0.0	0.0	0.0
16-Apr-12	0.2	0.0	0.0
17-Apr-12	1.5	0.0	0.0
18-Apr-12	1.6	0.0	0.0
19-Apr-12	2.6	0.0	0.0
20-Apr-12	0.7	0.2	0.1
21-Apr-12	0.0	0.0	0.0
22-Apr-12	2.1	0.0	0.0
23-Apr-12	0.7	0.0	0.0
24-Apr-12	0.0	0.0	0.0
25-Apr-12	2.7	0.0	0.0
26-Apr-12	9.0	0.0	0.0
27-Apr-12	10.2	7.5	0.0
28-Apr-12	4.3	0.9	0.0
29-Apr-12	0.8	0.0	0.0
30-Apr-12	8.8	0.0	0.0

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-May-12	4.1	0.0	0.0
2-May-12	0.1	0.0	0.0
3-May-12	0.0	0.0	0.0
4-May-12	3.3	0.0	0.0
5-May-12	3.1	0.4	0.0
6-May-12	4.1	1.2	3.1
7-May-12	7.0	0.0	0.0
8-May-12	3.7	1.5	0.0
9-May-12	4.2	5.7	1.8
10-May-12	2.5	0.7	0.0
11-May-12	0.9	0.0	0.0
12-May-12	1.3	0.0	0.0
13-May-12	5.0	0.0	0.0
14-May-12	0.0	0.0	0.0
15-May-12	0.7	0.0	0.0
16-May-12	1.1	0.1	0.0
17-May-12	1.0	0.0	0.0
18-May-12	0.0	0.0	0.0
19-May-12	0.0	0.0	0.0
20-May-12	1.1	0.0	0.0
21-May-12	0.0	0.0	0.0
22-May-12	1.3	0.0	0.0
23-May-12	0.0	0.0	0.0
24-May-12	0.0	0.0	0.0
25-May-12	0.0	0.0	0.0
26-May-12	0.0	0.0	0.0
27-May-12	0.0	0.0	0.0
28-May-12	0.2	0.0	0.0
29-May-12	0.4	0.0	0.0
30-May-12	2.9	0.0	0.0
31-May-12	0.7	0.0	0.0

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jun-12	2.9	0.0	0.0
2-Jun-12	0.9	0.0	0.0
3-Jun-12	0.1	0.0	0.0
4-Jun-12	0.0	0.0	0.0
5-Jun-12	0.0	0.0	0.0
6-Jun-12	0.1	0.0	0.0
7-Jun-12	2.7	0.0	0.0
8-Jun-12	0.0	0.0	0.0
9-Jun-12	0.0	0.0	0.0
10-Jun-12	0.0	0.0	0.0
11-Jun-12	0.0	0.0	0.0
12-Jun-12	0.0	0.0	0.0
13-Jun-12	0.3	0.0	0.0
14-Jun-12	0.1	0.0	0.0
15-Jun-12	4.2	0.0	0.0
16-Jun-12	0.0	0.0	0.0
17-Jun-12	0.0	0.0	0.0
18-Jun-12	0.0	0.0	0.0
19-Jun-12	0.0	0.0	0.0
20-Jun-12	0.0	0.0	0.0
21-Jun-12	0.0	0.0	0.0
22-Jun-12	0.0	0.0	0.0
23-Jun-12	0.0	0.0	0.0
24-Jun-12	0.0	0.0	0.0
25-Jun-12	0.0	0.0	0.0
26-Jun-12	0.6	0.0	0.0
27-Jun-12	0.0	0.0	0.0
28-Jun-12	0.0	0.0	0.0
29-Jun-12	0.0	0.0	0.0
30-Jun-12	0.0	0.0	0.0

Appendix 7. Total Daily Snow-water-equivalent (mm)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Jul-12	0.5	0.0	0.0
2-Jul-12	0.0	0.0	0.0
3-Jul-12	0.0	0.0	0.0
4-Jul-12	0.0	0.0	0.0
5-Jul-12	0.0	0.0	0.0
6-Jul-12	0.0	0.0	0.0
7-Jul-12	0.0	0.0	0.0
8-Jul-12	0.0	0.0	0.0
9-Jul-12	0.0	0.0	0.0
10-Jul-12	0.0	0.0	0.0
11-Jul-12	0.0	0.0	M
12-Jul-12	0.0	0.0	M
13-Jul-12	0.0	0.0	0.0
14-Jul-12	0.0	0.0	0.0
15-Jul-12	0.0	0.0	0.0
16-Jul-12	0.0	0.0	0.0
17-Jul-12	0.0	0.0	0.0
18-Jul-12	0.0	0.0	0.0
19-Jul-12	0.0	0.0	0.0
20-Jul-12	0.0	0.0	0.0
21-Jul-12	0.0	0.0	0.0
22-Jul-12	0.0	0.0	0.0
23-Jul-12	0.0	0.0	0.0
24-Jul-12	0.0	0.0	0.0
25-Jul-12	0.0	0.0	0.0
26-Jul-12	0.0	0.0	0.0
27-Jul-12	0.0	0.0	0.0
28-Jul-12	0.0	0.0	0.0
29-Jul-12	0.0	0.0	0.0
30-Jul-12	0.0	0.0	0.0
31-Jul-12	0.0	0.0	0.0

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Aug-12	0.0	0.0	0.0
2-Aug-12	0.0	0.0	0.0
3-Aug-12	0.0	0.0	0.0
4-Aug-12	0.0	0.0	0.0
5-Aug-12	0.0	0.0	0.0
6-Aug-12	0.0	0.0	0.0
7-Aug-12	0.0	0.0	0.0
8-Aug-12	0.0	0.0	0.0
9-Aug-12	0.0	0.0	0.0
10-Aug-12	0.0	0.0	0.0
11-Aug-12	0.0	0.0	0.0
12-Aug-12	0.0	0.0	0.0
13-Aug-12	0.0	0.0	0.0
14-Aug-12	0.0	0.0	0.0
15-Aug-12	0.0	0.0	0.0
16-Aug-12	0.0	0.0	0.0
17-Aug-12	0.0	0.0	0.0
18-Aug-12	0.0	0.0	0.0
19-Aug-12	0.0	0.0	0.0
20-Aug-12	0.0	0.0	0.0
21-Aug-12	0.0	0.0	0.0
22-Aug-12	0.0	0.0	0.0
23-Aug-12	0.0	0.0	0.0
24-Aug-12	0.0	0.0	0.0
25-Aug-12	0.0	0.0	0.0
26-Aug-12	0.0	0.0	0.0
27-Aug-12	0.0	0.0	0.0
28-Aug-12	0.0	0.0	0.0
29-Aug-12	0.0	0.0	0.0
30-Aug-12	0.0	0.0	0.0
31-Aug-12	0.0	0.0	0.0

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Sep-12	0.0	0.0	0.0
2-Sep-12	0.0	0.0	0.0
3-Sep-12	0.0	0.0	0.0
4-Sep-12	0.0	0.0	0.0
5-Sep-12	0.0	0.0	0.0
6-Sep-12	0.0	0.0	0.0
7-Sep-12	0.0	0.0	0.0
8-Sep-12	0.0	0.0	0.0
9-Sep-12	0.0	0.0	0.0
10-Sep-12	5.0	0.0	0.0
11-Sep-12	7.6	0.0	0.0
12-Sep-12	2.4	0.0	0.0
13-Sep-12	0.0	0.0	0.0
14-Sep-12	0.0	0.0	0.0
15-Sep-12	0.0	0.0	0.0
16-Sep-12	0.0	0.0	0.0
17-Sep-12	0.0	0.0	0.0
18-Sep-12	0.0	0.0	0.0
19-Sep-12	0.0	0.0	0.0
20-Sep-12	0.0	0.0	0.0
21-Sep-12	0.0	0.0	0.0
22-Sep-12	0.0	0.0	0.0
23-Sep-12	0.0	0.0	0.0
24-Sep-12	0.0	0.0	0.0
25-Sep-12	0.0	0.0	0.0
26-Sep-12	0.0	0.0	0.0
27-Sep-12	0.0	0.0	0.0
28-Sep-12	0.3	0.0	0.0
29-Sep-12	4.1	0.0	0.0
30-Sep-12	5.5	0.0	0.0

Appendix 7. Total Daily Snow-water-equivalent (mm)

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Oct-12	28.6	0.0	0.0
2-Oct-12	0.0	0.0	0.0
3-Oct-12	0.0	0.0	0.0
4-Oct-12	0.0	0.0	0.0
5-Oct-12	0.0	0.0	0.0
6-Oct-12	0.0	0.0	0.0
7-Oct-12	0.0	0.0	0.0
8-Oct-12	0.0	0.0	0.0
9-Oct-12	0.0	0.0	0.0
10-Oct-12	0.0	0.0	0.0
11-Oct-12	2.4	0.0	0.0
12-Oct-12	14.9	9.4	7.3
13-Oct-12	4.4	0.0	0.0
14-Oct-12	7.6	0.0	0.0
15-Oct-12	6.0	0.0	0.0
16-Oct-12	4.7	1.6	0.0
17-Oct-12	4.5	5.9	15.3
18-Oct-12	0.0	4.9	14.6
19-Oct-12	0.0	0.5	0.0
20-Oct-12	1.8	0.7	0.0
21-Oct-12	0.0	0.5	0.6
22-Oct-12	0.0	0.2	0.1
23-Oct-12	2.0	0.1	0.0
24-Oct-12	0.7	0.1	0.1
25-Oct-12	0.7	0.1	0.0
26-Oct-12	0.0	0.0	0.3
27-Oct-12	0.9	0.4	0.0
28-Oct-12	1.2	1.0	0.6
29-Oct-12	1.1	0.8	0.0
30-Oct-12	4.6	0.2	0.1
31-Oct-12	2.2	0.0	0.0

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Nov-12	0.0	0.0	0.5
2-Nov-12	8.4	6.9	16.7
3-Nov-12	0.4	4.6	1.3
4-Nov-12	15.3	19.7	27.1
5-Nov-12	9.0	6.5	2.0
6-Nov-12	0.0	1.1	2.2
7-Nov-12	2.6	7.2	5.1
8-Nov-12	0.0	0.0	1.2
9-Nov-12	1.6	1.2	0.0
10-Nov-12	0.4	1.0	0.0
11-Nov-12	2.7	7.3	2.2
12-Nov-12	0.0	4.1	2.0
13-Nov-12	2.5	3.2	0.0
14-Nov-12	2.8	1.1	2.3
15-Nov-12	0.8	0.8	3.5
16-Nov-12	6.3	10.4	11.8
17-Nov-12	8.6	14.4	M
18-Nov-12	5.1	8.2	M
19-Nov-12	5.0	8.1	M
20-Nov-12	M	M	M
21-Nov-12	M	M	M
22-Nov-12	7.7	12.9	M
23-Nov-12	3.8	6.0	M
24-Nov-12	3.9	6.2	M
25-Nov-12	5.2	8.5	M
26-Nov-12	0.0	0.0	M
27-Nov-12	0.9	1.0	M
28-Nov-12	6.6	10.8	M
29-Nov-12	0.0	0.0	M
30-Nov-12	0.0	0.0	M

	Brucejack Lake 1,360 masl	Scott Creek 780 masl	Wildfire Creek 720 masl
1-Dec-12	4.6	7.4	M
2-Dec-12	0.0	0.0	M
3-Dec-12	7.5	12.5	M
4-Dec-12	5.4	8.8	M
5-Dec-12	0.2	0.0	M
6-Dec-12	0.0	0.0	M
7-Dec-12	0.0	0.0	M
8-Dec-12	1.1	1.3	M
9-Dec-12	8.0	13.4	M
10-Dec-12	7.6	12.7	M
11-Dec-12	0.0	0.0	M
12-Dec-12	2.6	3.8	M
13-Dec-12	1.6	2.1	M
14-Dec-12	5.5	8.9	M
15-Dec-12	0.6	0.3	M
16-Dec-12	0.0	0.0	M
17-Dec-12	1.3	1.6	M
18-Dec-12	1.4	1.7	M
19-Dec-12	2.4	3.5	M
20-Dec-12	0.0	0.0	M
21-Dec-12	5.6	9.1	M
22-Dec-12	0.0	0.0	M
23-Dec-12	0.3	0.0	M
24-Dec-12	0.2	0.0	M
25-Dec-12	1.0	1.1	M
26-Dec-12	0.0	0.0	M
27-Dec-12	4.3	6.8	M
28-Dec-12	1.5	1.9	M
29-Dec-12	1.1	1.2	M
30-Dec-12	1.4	1.8	M
31-Dec-12	0.0	0.0	M