Klohn Crippen Berger

MEMORANDUM

TO:	Don Betton (PBM)	**DATE:**	March 25, 2011
FROM:	Mathew Mackinnon /Jeff Lam	**FILE NO:**	M09382A04.720
		LOG NO:	
SUBJECT:	PBM - Field Work Report - September 12 – 17 , 2010		

1. PERSONNEL

The following personnel were involved in the Field Work summarized in this Memo:

Matt MacKinnon (KCB)
Jeff Lam (KCB)
James (Babine Barge)
Ed King (LBN)
Shaun Conlon (LBN)

2. INTRODUCTION

JL and MM flew out of Vancouver early morning on September 12, 2010 and arrived in Smithers at 9:30, followed by a 1.5 hr drive to Granisle. Commuting from Granisle to site required boarding the Babine Lake barge at 6:00 in the morning, followed by a 1 hour to 1.5 hour drive to site along the gravel forestry roads. The Babine Lake barge travelled back to Granisle at 15:00. The time available on-site was limited to 6 hours per day.

James from the Lake Babine Barge company provided on-site assistance with miscellaneous work from September 13 - 17, 2010. EK and SC from LBN provided on-site assistance and feedback from September 13 - 16, 2010.

The weather was sunny and dry for the whole week with near freezing temperatures in the morning, warming up to mid-teens in the afternoon.

The following report summarizes the tasks completed and site observations compared to the trip objectives.

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3. OBJECTIVES/WORK COMPLETED

The objectives of this field trip are as follows, with comments:

1. MLARD

    a. Sample MLARD cubes and barrels.

    Sampling of MLARD cubes #1,#2,#3,and #4 and MLARD barrels #1,and #2, was conducted September 14, 2010 (Attachment 2 - Photo 1). See chain of custody for details (Attachment 1).

2. Meteorological

    a. Check weather station and download data.

    JL and MM performed an inspection and diagnostic of the weather station on September 13 following the procedure outlined in the April 16, 2009 Rescan "Instructions for maintenance of the Morrison Project (Pacific Booker Minerals Inc.) meteorological station" memo (Attachment 2 - Photo 2).

    JL and MM observed that the station was not reading the correct temperature, humidity, and precipitation values. The temperature sensor read -72.8°C for the entire recording period, the humidity sensor showed negative values, and the precipitation gauge indicated constant rain for the recording period since March 2010.

    JL and MM were not able to fully diagnose the problem and recommend having a weather station professional on site to properly diagnose and fix parts if necessary. At the moment the only accurate readings being taken are wind speed and wind direction.

    The SM4M storage module was taken out of the weather station and replaced with an empty one on September 13. A fresh dessicant pack was installed September 15.

    Retrieved meteorological readings are included in Attachment 3.

3. Baseline Data Collection

    a. Check thermocline depth in Morrison Lake at diffuser outlet.

    A complete thermocline profile was not obtained due to time constraints. In situ temperature readings of Morrison Lake at the diffuser outlet surface and

at 15 m showed temperatures between 5-7°C suggesting that fall mixing of the lake is occurring.

b. Conduct water quality sampling in Morrison Lake and Booker Lake.

Surface water quality sampling in Morrison Lake, Booker Lake, and Olympic Lake was completed. A Booker Lake water quality sample 1 m from the bottom was not obtained as there is no boat access into the lake.

c. Collect baseline water quality samples from streams and groundwater wells.

Baseline water quality sampling was collected from streams MCS-1, MCS-4, MCS-5, MCS-6, MCS-8, MCS-10, Olympic Creek, and Morrison Creek. Sampling from groundwater wells was not possible due to padlocks on the well covers. One groundwater well sample was collected in the MET-1 piezometer casing. The representativeness of groundwater for this sample should be reviewed before addition to the database.

4. HADD Baseline

a. Assess the Morrison Lake shoreline at diffuser entrance to Morrison Lake for sockeye salmon spawning.

KCB and LBN conducted a shoreline spawning survey by boat along the lakeshore near the diffuser entrance into Morrison Lake. No sockeye spawning or signs of salmon spawning were identified at or near the shoreline. Substrates along the shoreline at diffuser entrance to Morrison Lake consist of large gravel and cobble suitable for spawning salmonids (Attachment 2 - Photo 3). Lake trout captured along the lake shore near the diffuser entrance to Morrison Lake exhibited spawning coloration.

b. Interface with LBN Salmon Spawning Survey crew 1 day at Morrison Creek/Morrison Lake.

JL and LBN performed creek survey at Morrison Creek/Morrison Lake for approximately 700 m within the creek from the Morrison outlet. No signs of salmon spawning were observed, this is likely due to low water levels impeding fish access from Babine Lake. One salmon jaw bone was found. (Attachment 2 - Photo 4-6).

Morrison Lake shoreline in the south basin was also assessed for sockeye salmon spawning. No spawning activity was observed although it does appear that lake char and rainbow trout are utilizing the shoreline and reef areas throughout Morrison Lake for spawning (Attachment 2 - Photo 7).

c. To conduct fish habitat surveys of Stream 7 (53400) and 10 to assess fish presence.

Detailed stream surveys were completed by MM for Stream 7 and 10. Both creek beds were dry at the time of survey. Presence of rainbow trout is expected in Stream 7 during spring freshet conditions. Stream 10 does not appear to be fish bearing at any time of year due unsuitable pool-riffle to beaver dam obstruction at the small pond downstream.

Stream habitat surveys and habitat cards were completed for Streams 1, 4, 5, 7, 8, 10, Morrison Creek and Olympic Creek. Juvenile Rainbow trout were observed in MCS-8 only.

d. Re-install hydrology data loggers in Streams 3-7.

Data loggers were re-installed and data retrieved from hydrometric stations MCS-1, MCS-4, MCS-5, MCS-7, MCS-10, and Morrison Creek. Hydrometric stations MCS-6 and MCS-8 are damaged and not currently collecting flow data. Data logger MCS-8 was collected while data from MCS-6 was collected and re-installed. Both sites require repair/replacement.

e. Conduct water quality sampling in Booker Lake and additional stream locations if necessary.

Water quality sampling was conducted at Booker Lake, Morrison Lake, and Olympic Lake. Baseline water quality sampling was collected from streams MCS-1, MCS-4, MCS-5, MCS-6, MCS-8, MCS-10, Olympic Creek, and Morrison Creek. Samples were shipped to ALS laboratory for analysis (see Attachment 1).

5. Fish Habitat Compensation Plan

a. Ground survey the off-lake channel compensation area. Document existing vegetation, ground/soil types, lowermost section of proposed dewatered creeks, shoreline characteristics, and dig test pits in the area.

A ground survey was conducted in the planned channel compensation area and along Morrison creek. Pictures of vegetation were taken, and logging of ground/soil types was conducted. Field observations indicate that local hills in the planned area more than 10 m above lake elevation will make the construction of a continuous fish spawning channel expensive and un-feasible.

LBN and MM believe that a more effective location for the spawning channel will be along Morrison creek, and involve stream enhancements around the

area. Subsequent ground survey efforts were focused on Morrison Creek (see figures below)

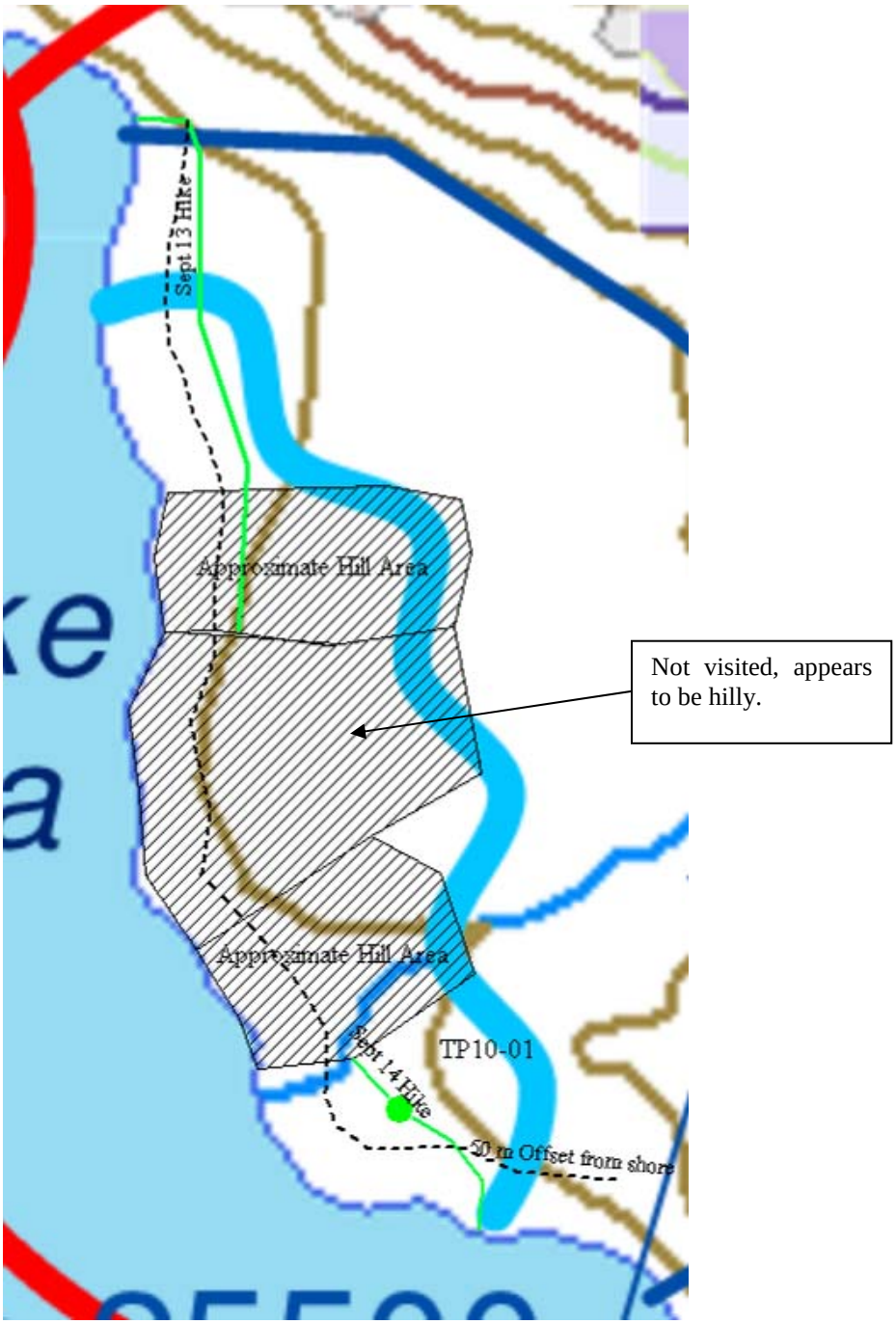

Figure 1 Ground Survey in Planned Area

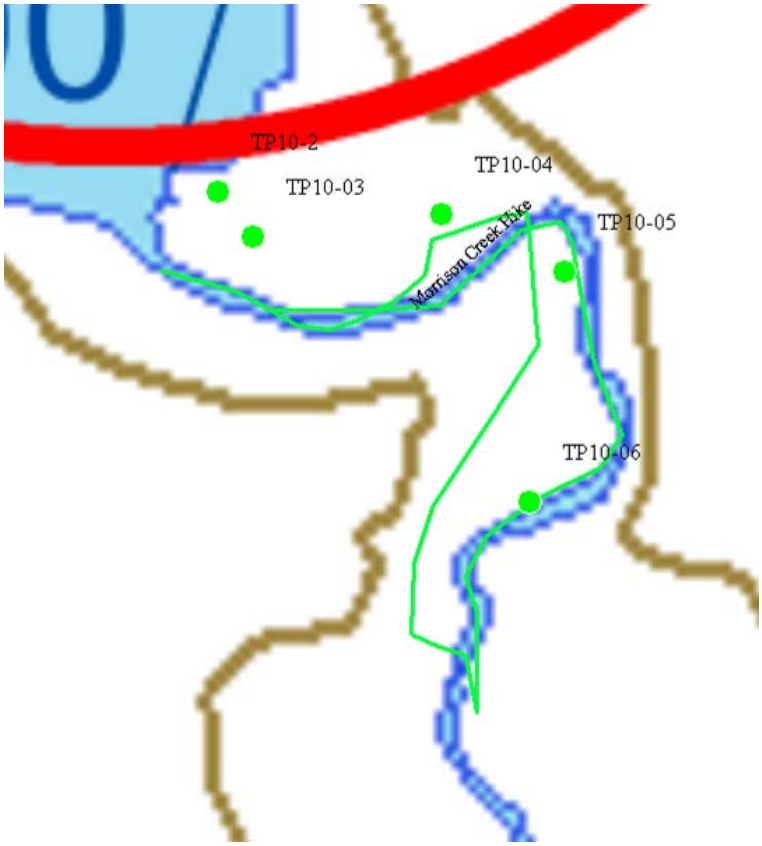

Figure 2 Ground Survey at Morrison Creek

b. Measure channel widths, bank heights, beaver dam outlet characteristics, and stream gradients at Olympic and Oval Lake for compensation objectives.

KCB visited the Olympic Lake to record channel widths, bank heights, beaver dam outlet characteristics, stream gradients, local topography, and ground conditions. Two possible fish barriers were observed and recorded along the creek 77300 which flows from Olympic Lake (Attachment 2 - Photos 8, 9 and 10). The Oval Lake was not visited.

Attachments: Attachment 1 – Sample List, Chain of Custody, Sample Receipt Confirmation
Attachment 2 – Site Photos
Attachment 3 – Weather Data

ATTACHMENT 1

Sample List, Chain of Custody, Sample Receipt Confirmation, ALS Results

Attachment 1 - 2010 PBM - Morrison EAC

Soil Samples

Sample	Test Pit	Date	Location			Depth (m)	USCS Description
			Area	Easting (m)	Northing (m)		
1	TP10-01	9/13/2010	Off lake compensation channel	671028	6117615	0.4	Clay (CH) some silt, hi plastic, hard, grey, MC<PL.
2	TP10-02	9/14/2010	Morrison Stream	671223	6117278	0.3	Clay (CH) trace sand, trace gravel, hi plastic, soft, brown, MC<PL.
3	TP10-04	9/15/2010	Morrison Stream	671382	6117261	0.2	Gravel (GS) fine to coarse, sandy, clayey, well graded, max sz = 100 mm, sub-rounded to angular, dark brown, moist.
4	TP10-09	9/16/2010	Olympic Lake	667122	6126587	0.4	Clay (CL) silty, sandy, very soft, grey, MC>PL, wet.

Short Holding Time

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COC # _____

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Report To		Report Format / Distribution	Service Requested (Rush for routine analysis subject to availability)
Company:	Pacific Booker Minerals	☑ Standard ☐ Other	◉ Regular (Standard Turnaround Times - Business Days)
Contact:	Don Betton	☑ PDF ☑ Excel ☑ Digital ☑ Fax	○ Priority (2-4 Business Days) - 50% Surcharge - Contact ALS to Confirm TAT
Address:	1166 Alberni St. Suite 1702	Email 1: d.betton@pacificbooker.com	○ Emergency (1-2 Bus. Days) - 100% Surcharge - Contact ALS to Confirm TAT
	Vancouver, BC Canada V6E 3Z3	Email 2:	○ Same Day or Weekend Emergency - Contact ALS to Confirm TAT
Phone:	1-604-681-8556 Fax: 604.687.5995	Email 3:	
Invoice To	Same as Report ? ☑ Yes ☐ No	Client / Project Information	Analysis Request
Hardcopy of Invoice with Report?	☑ Yes ☐ No	Job #:	Please indicate below Filtered, Preserved or both (F, P, F/P)
Company:		PO / AFE:	
Contact:		LSD:	
Address:			
Phone:	Fax:	Quote #:	
Lab Work Order # (lab use only)	L933287	ALS Contact:	Sampler:

Sample #	Sample Identification (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	General Parameters	NO3	N02	Ammonia	Total Dissolved Solids	Total Suspended Solids	ultra-trace total metals + Hg	ultra-trace dissolved metals + Hg					Number of Containers
								P				P					
1	MLARD Cube #1	14-9-10	5:00 pm	water	✓	✓	✓	~~✓~~	✓	✓	✓	✓					3
2	MLARD Cube #2	14-9-10	"	water	✓	✓	✓	✓	✓	✓	✓	✓					~~4~~ 4
3	MLARD Cube #3	14-9-10	"	water	✓	✓	✓	~~✓~~	✓	✓	✓	✓					3
4	MLARD Barrel #1	14-9-10	"	water	✓	✓	✓	✓	✓	✓	✓	✓					~~3~~ 4
5	MLARD Barrel #2	14-9-10	"	water	✓	✓	✓	✓	✓	✓	✓	✓					~~3~~ 4
6	~~MLARD Barrel #3~~ MLARD CUBE #4	14-9-10	"	water	✓	✓	✓	~~✓~~	✓	✓	✓	✓					3

Special Instructions / Regulations with water or land use (CCME-Freshwater Aquatic Life/BC CSR - Commercial/AB Tier 1 - Natural, etc) / Hazardous Details

Dissolved Metals Filter in Lab

General Parameters should include - pH, conductivity, alkalinity, hardness, and anions (SO4, Br, Cl, F)

FOR Questions call Matt MacKinnon 778-868-2901

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

By the use of this form the user acknowledges and agrees with the Terms and Conditions as provided on a separate Excel tab.

Also provided on another Excel tab are the ALS location addresses, phone numbers and sample container / preservation / holding time table for common analyses.

SHIPMENT RELEASE (client use)			SHIPMENT RECEPTION (lab use only)				SHIPMENT VERIFICATION (lab use only)			
Released by:	Date (dd-mmm-yy)	Time (hh-mm)	Received by:	Date:	Time:	Temperature:	Verified by:	Date:	Time:	Observations: Yes / No ?
M. Mackinnon	Sep 14, 10	5:00 pm	RC	20 Sept	8:30	11.8 --				

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Report To	Report Format / Distribution	Service Requested: (Rush subject to availability)
Company:	Standard: ____ Other (specify): ____	Regular (Standard Turnaround Times))
Contact:	Select: PDF ____ Excel ____ Digital ____ Fax ____	Priority, Date Req'd: ____ (Surcharges apply)
Address: page 2	Email 1:	Emergency (1 Business Day) - 100% Surcharge
	Email 2:	For Emergency < 1 Day, ASAP or Weekend - Contact ALS
Phone: Fax:		

Invoice To	Client / Project Information
Same as Report ? (circle) Yes or No (if No, provide details)	
Copy of Invoice with Report? (circle) Yes or No	Job #:
Company:	PO / AFE:
Contact:	LSD:
Address:	
Phone: Fax:	Quote #:

Lab Work Order # (lab use only) L933287 | **ALS Contact:** | **Sampler:**

Analysis Request (Indicate Filtered or Preserved, F/P)

Sample #	Sample Identification (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	General Parameters	Total Metals	Dissolved Metals	Number of Containers
	MLS-8	9/16/10	18:00	H_2O	✓	✓	✓	3
	Morrison Creek	9/16/10	18:00	H_2O	✓	✓	✓	3
	Olympic Lake	9/16/10	18:00	H_2O	✓	✓	✓	3
	GROUND WATER WELL 1	"	"	"	✓			1

Special Instructions / Regulations / Hazardous Details

Dissolved Metals – Filter in Lab! Questions? Call Matt MacKinnon 778-868-2901

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

SHIPMENT RELEASE (client use)			SHIPMENT RECEPTION (lab use only)				SHIPMENT VERIFICATION (lab use only)			
Released by:	Date:	Time:	Received by:	Date:	Time:	Temperature:	Verified by:	Date:	Time:	Observations: Yes / No ? If Yes add SIF
			R. C	20 Sep 1	8:30	11.8 °C				

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ALS LABORATORY GROUP SAMPLE RECEIPT CONFIRMATION

Company:	PACIFIC BOOKER MINERALS INC.
ATTN:	Don Betton
Fax Number:	604-687-5995
Account Manager:	Andre Langlais
Job Reference:	
Project P.O. #:	
Date Sampled:	15-SEP-10
Date Received:	20-SEP-10
Estimated Completion Date:	29-SEP-10
Sampled By:	
Workorder #:	**L933296**
Chain of Custody #:	

Sample #/SampleID/DateSampled/DateDue: L933296-1/MCS-1/15-SEP-10/29-SEP-10

Matrix	Product Description	Product Due*
Water	Alkalinity by Colourimetric (Automated)	
Water	Anions by Ion Chromatography	
	Bromide by Ion Chromatography	
	Chloride by Ion Chromatography	
	Fluoride by Ion Chromatography	
	Sulfate by Ion Chromatography	
Water	Conductivity (Automated)	
Water	Dissolved metals ultra low package	
	Dissolved Fe in Water by ICPOES	
	Hardness	
	Dissolved Mercury in Water by CVAFS(Low)	
	Dissolved Metals in Water by ICPOES	
	Dissolved Metals in Water by ICPMS(Low)	
	Diss. Metals in Water by ICPMS (Ultra)	
Water	Total metals ultra low package	
	Total Fe in Water by ICPOES	
	Hardness	
	Total Mercury in Water by CVAFS(Low)	
	Total Metals in Water by ICPOES	
	Total Metals in Water by ICPMS(Low)	
	Total Metals in Water by ICPMS (Ultra)	

ALS Laboratory Group strives to deliver on-time results to our clients at all times. However, there are times when, due to capacity issues or other unforeseen circumstances, we are unable to meet our expected TATs. The information above is related to a recent workorder you have submitted to our laboratory. We have also included a summary on the parameters of interest for this workorder. In the event that you have an inquiry, please refer to the Work Order # (L+6 digits) when calling your Account Manager.

Sample #/SampleID/DateSampled/DateDue: L933296-1/MCS-1/15-SEP-10/29-SEP-10

Matrix	Product Description	Product Due*
Water	pH by Meter (Automated)	
Misc.	Sample Handling and Disposal Fee	

Sample #/SampleID/DateSampled/DateDue: L933296-2/MCS-4/16-SEP-10/29-SEP-10

Matrix	Product Description	Product Due*
Water	Alkalinity by Colourimetric (Automated)	
Water	Anions by Ion Chromatography	
	Bromide by Ion Chromatography	
	Chloride by Ion Chromatography	
	Fluoride by Ion Chromatography	
	Sulfate by Ion Chromatography	
Water	Conductivity (Automated)	
Water	Dissolved metals ultra low package	
	Dissolved Fe in Water by ICPOES	
	Hardness	
	Dissolved Mercury in Water by CVAFS(Low)	
	Dissolved Metals in Water by ICPOES	
	Dissolved Metals in Water by ICPMS(Low)	
	Diss. Metals in Water by ICPMS (Ultra)	
Water	Total metals ultra low package	
	Total Fe in Water by ICPOES	
	Hardness	
	Total Mercury in Water by CVAFS(Low)	
	Total Metals in Water by ICPOES	
	Total Metals in Water by ICPMS(Low)	
	Total Metals in Water by ICPMS (Ultra)	
Water	pH by Meter (Automated)	
Misc.	Sample Handling and Disposal Fee	

Sample #/SampleID/DateSampled/DateDue: L933296-3/MCS-6/14-SEP-10/29-SEP-10

Matrix	Product Description	Product Due*
Water	Alkalinity by Colourimetric (Automated)	
Water	Anions by Ion Chromatography	
	Bromide by Ion Chromatography	
	Chloride by Ion Chromatography	
	Fluoride by Ion Chromatography	
	Sulfate by Ion Chromatography	

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Sample #/SampleID/DateSampled/DateDue: L933296-3/MCS-6/14-SEP-10/29-SEP-10

Matrix	Product Description	Product Due*
Water	Conductivity (Automated)	
Water	Dissolved metals ultra low package	
	Dissolved Fe in Water by ICPOES	
	Hardness	
	Dissolved Mercury in Water by CVAFS(Low)	
	Dissolved Metals in Water by ICPOES	
	Dissolved Metals in Water by ICPMS(Low)	
	Diss. Metals in Water by ICPMS (Ultra)	
Water	Total metals ultra low package	
	Total Fe in Water by ICPOES	
	Hardness	
	Total Mercury in Water by CVAFS(Low)	
	Total Metals in Water by ICPOES	
	Total Metals in Water by ICPMS(Low)	
	Total Metals in Water by ICPMS (Ultra)	
Water	pH by Meter (Automated)	
Misc.	Sample Handling and Disposal Fee	

Sample #/SampleID/DateSampled/DateDue: L933296-4/BOOKER LAKE/13-SEP-10/29-SEP-10

Matrix	Product Description	Product Due*
Water	Alkalinity by Colourimetric (Automated)	
Water	Anions by Ion Chromatography	
	Bromide by Ion Chromatography	
	Chloride by Ion Chromatography	
	Fluoride by Ion Chromatography	
	Sulfate by Ion Chromatography	
Water	Conductivity (Automated)	
Water	Dissolved metals ultra low package	
	Dissolved Fe in Water by ICPOES	
	Hardness	
	Dissolved Mercury in Water by CVAFS(Low)	
	Dissolved Metals in Water by ICPOES	
	Dissolved Metals in Water by ICPMS(Low)	
	Diss. Metals in Water by ICPMS (Ultra)	

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Sample #/SampleID/DateSampled/DateDue: L933296-4/BOOKER LAKE/13-SEP-10/29-SEP-10

Matrix	Product Description	Product Due*
Water	Total metals ultra low package	
	Total Fe in Water by ICPOES	
	Hardness	
	Total Mercury in Water by CVAFS(Low)	
	Total Metals in Water by ICPOES	
	Total Metals in Water by ICPMS(Low)	
	Total Metals in Water by ICPMS (Ultra)	
Water	pH by Meter (Automated)	
Misc.	Sample Handling and Disposal Fee	

Sample #/SampleID/DateSampled/DateDue: L933296-5/MCS-5/15-SEP-10/29-SEP-10

Matrix	Product Description	Product Due*
Water	Alkalinity by Colourimetric (Automated)	
Water	Anions by Ion Chromatography	
	Bromide by Ion Chromatography	
	Chloride by Ion Chromatography	
	Fluoride by Ion Chromatography	
	Sulfate by Ion Chromatography	
Water	Conductivity (Automated)	
Water	Dissolved metals ultra low package	
	Dissolved Fe in Water by ICPOES	
	Hardness	
	Dissolved Mercury in Water by CVAFS(Low)	
	Dissolved Metals in Water by ICPOES	
	Dissolved Metals in Water by ICPMS(Low)	
	Diss. Metals in Water by ICPMS (Ultra)	
Water	Total metals ultra low package	
	Total Fe in Water by ICPOES	
	Hardness	
	Total Mercury in Water by CVAFS(Low)	
	Total Metals in Water by ICPOES	
	Total Metals in Water by ICPMS(Low)	
	Total Metals in Water by ICPMS (Ultra)	
Water	pH by Meter (Automated)	
Misc.	Sample Handling and Disposal Fee	

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Sample #/SampleID/DateSampled/DateDue: L933296-6/MORRISON LAKE/16-SEP-10/29-SEP-10

Matrix	Product Description	Product Due*
Water	Alkalinity by Colourimetric (Automated)	
Water	Anions by Ion Chromatography	
	Bromide by Ion Chromatography	
	Chloride by Ion Chromatography	
	Fluoride by Ion Chromatography	
	Sulfate by Ion Chromatography	
Water	Conductivity (Automated)	
Water	Dissolved metals ultra low package	
	Dissolved Fe in Water by ICPOES	
	Hardness	
	Dissolved Mercury in Water by CVAFS(Low)	
	Dissolved Metals in Water by ICPOES	
	Dissolved Metals in Water by ICPMS(Low)	
	Diss. Metals in Water by ICPMS (Ultra)	
Water	Total metals ultra low package	
	Total Fe in Water by ICPOES	
	Hardness	
	Total Mercury in Water by CVAFS(Low)	
	Total Metals in Water by ICPOES	
	Total Metals in Water by ICPMS(Low)	
	Total Metals in Water by ICPMS (Ultra)	
Water	pH by Meter (Automated)	
Misc.	Sample Handling and Disposal Fee	

Sample #/SampleID/DateSampled/DateDue: L933296-7/MCS-10//29-SEP-10

Matrix	Product Description	Product Due*
Water	Alkalinity by Colourimetric (Automated)	
Water	Anions by Ion Chromatography	
	Bromide by Ion Chromatography	
	Chloride by Ion Chromatography	
	Fluoride by Ion Chromatography	
	Sulfate by Ion Chromatography	
Water	Conductivity (Automated)	

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Sample #/SampleID/DateSampled/DateDue: L933296-7/MCS-10//29-SEP-10

Matrix	Product Description	Product Due*
Water	Dissolved metals ultra low package	
	Dissolved Fe in Water by ICPOES	
	Hardness	
	Dissolved Mercury in Water by CVAFS(Low)	
	Dissolved Metals in Water by ICPOES	
	Dissolved Metals in Water by ICPMS(Low)	
	Diss. Metals in Water by ICPMS (Ultra)	
Water	Total metals ultra low package	
	Total Fe in Water by ICPOES	
	Hardness	
	Total Mercury in Water by CVAFS(Low)	
	Total Metals in Water by ICPOES	
	Total Metals in Water by ICPMS(Low)	
	Total Metals in Water by ICPMS (Ultra)	
Water	pH by Meter (Automated)	
Misc.	Sample Handling and Disposal Fee	

* INDICATES ESTIMATED COMPLETION DATE OF REQUESTED PRODUCT IF DIFFERENT THAN THE ESTIMATED COMPLETION DATE.

ALS Laboratory Group strives to deliver on-time results to our clients at all times. However, there are times when, due to capacity issues or other unforeseen circumstances, we are unable to meet our expected TATs. The information above is related to a recent workorder you have submitted to our laboratory. We have also included a summary on the parameters of interest for this workorder. In the event that you have an inquiry, please refer to the Work Order # (L+6 digits) when calling your Account Manager.

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Report To	**Report Format / Distribution**	**Service Request** (Rush subject to availability - Contact ALS to confirm TAT)
Company: PACIFIC BOOKER MINERALS	Standard: ✓ Other (specify):	✓ Regular (Standard Turnaround Times - Business Days)
Contact: DON BETTON	Select: PDF ✓ Excel ✓ Digital ✓ Fax ✓	Priority(2-4 Business Days)-50% surcharge - Contact ALS to confirm TAT
Address: 1166 Alberni St Suite 1702 Vancouver BC CANADA V6E 3Z3	Email 1: d.betton@pacificbooker.com	Emergency (1-2 Business Days)-100% Surcharge - Contact ALS to confirm TAT
Phone: 604-681-8556 Fax: 604-687-3995	Email 2: bythebridge@gmail.com	Same Day or Weekend Emergency - Contact ALS to confirm TAT
Invoice To Same as Report ? (circle) Yes or No (if No, provide details)	**Client / Project Information**	**Analysis Request**
Copy of Invoice with Report? (circle) Yes or No	Job #:	(Indicate Filtered or Preserved, F/P)
Company:	PO / AFE:	
Contact:	LSD:	
Address:		
Phone: Fax:	Quote #:	
Lab Work Order # (lab use only) L933296	**ALS Contact:**	**Sampler:**

Sample #	Sample Identification (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	General Parameters	Total Metals	Dissolved Metals	Number of Containers
	MCS - 1	9/15	16:00	H_2O	✓	✓	✓	3
	MCS - 4	9/16	16:00		✓	✓	✓	3
	MCS - 6	9/14	17:00		✓	✓	✓	3
	Booker Lake	9/13	16:00		✓	✓	✓	3
	MCS - 5	9/15/2010	16:00		✓	✓	✓	3
	~~MCS - 8~~	~~9/16/10~~	~~17:00~~					3
	Morrison LAKE	9/15	16:00		✓	✓	✓	3
	MCS - 10	Sep 16, 10	17:00		✓	✓	✓	3

Special Instructions / Regulation with water or land use (CCME- Freshwater Aquatic Life/BC CSR-Commercial/AB Tier 1-Natural/etc) / Hazardous Details

Dissolved Metals - Filter in Lab!!!

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

SHIPMENT RELEASE (client use)			SHIPMENT RECEPTION (lab use only)				SHIPMENT VERIFICATION (lab use only)			
Released by:	Date:	Time:	Received by:	Date:	Time:	Temperature:	Verified by:	Date:	Time:	Observations: Yes / No ? If Yes add SIF
M. Mach	9/17/10	17:00	KC	20 Sept	8:30	1.8 °C				

Attachment 1 - 2010 PBM - Morrison EAC

Water Samples

Sample #	Sample ID	Date Sampled	Due Date		
L933287-1	MLARD CUBE #1	9/14/2010	9/29/2010		
L933287-1	MLARD CUBE #1	9/14/2010	9/29/2010		
L933287-1	MLARD CUBE #1	9/14/2010	9/29/2010		
L933287-2	MLARD CUBE #2	9/14/2010	9/29/2010		
L933287-2	MLARD CUBE #2	9/14/2010	9/29/2010		
L933287-3	MLARD CUBE #3	9/14/2010	9/29/2010		
L933287-4	MLARD BARREL #1	9/14/2010	9/29/2010		
L933287-5	MLARD BARREL #2	9/14/2010	9/29/2010		
L933287-5	MLARD BARREL #2	9/14/2010	9/29/2010		
L933287-6	MLARD BARREL #4	9/14/2010	9/29/2010		
L933287-6	MLARD BARREL #4	9/14/2010	9/29/2010		
L933287-6	MLARD BARREL #4	9/14/2010	9/29/2010		
L933287-7	MCS-8	9/16/2010	9/29/2010		
L933287-7	MCS-8	9/16/2010	9/29/2010		
L933287-8	MORRISON CREEK	9/16/2010	9/29/2010		
L933287-8	MORRISON CREEK	9/16/2010	9/29/2010		
L933287-9	OLYMPIC LAKE	9/16/2010	9/29/2010		
L933287-10	GROUNDWATER WELL	9/16/2010	9/29/2010		
L933296-1	MCS-1	9/15/2010	9/29/2010		
L933296-1	MCS-1	9/15/2010	9/29/2010		
L933296-2	MCS-4	9/16/2010	9/29/2010		
L933296-3	MCS-6	9/14/2010	9/29/2010		
L933296-3	MCS-6	9/14/2010	9/29/2010		
L933296-4	BOOKER LAKE	9/13/2010	9/29/2010		
L933296-4	BOOKER LAKE	9/13/2010	9/29/2010		
L933296-5	MCS-5	9/15/2010	9/29/2010		
L933296-6	MORRISON LAKE	9/16/2010	9/29/2010		
L933296-7	MCS-10		9/29/2010		
L933296-7	MCS-10		9/29/2010		

ALS Canada Ltd.
Part of the ALS Laboratory Group
Toll Free: 1-800-668-9878 Manitoba: 1-800-607-7555
8081 Lougheed Hwy, Suite 100, Burnaby, BC V5A 1W9 Canada
| Phone: +1 604 253 4188 | Fax: +1 604 253 6700

ALS LABORATORY GROUP SAMPLE RECEIPT CONFIRMATION

Company:	PACIFIC BOOKER MINERALS INC.
ATTN:	Don Betton
Fax Number:	604-687-5995
Account Manager:	Andre Langlais
Job Reference:	
Project P.O. #:	
Date Sampled:	14-SEP-10
Date Received:	20-SEP-10
Estimated Completion Date:	29-SEP-10
Sampled By:	
Workorder #:	**L933287**
Chain of Custody #:	

Sample #/SampleID/DateSampled/DateDue: L933287-1/MLARD CUBE #1/14-SEP-10/29-SEP-10

Matrix	Product Description	Product Due*
Water	Acidity by Automatic Titration	
Water	Alkalinity by Colourimetric (Automated)	
Water	Anions by Ion Chromatography	
	Bromide by Ion Chromatography	
	Chloride by Ion Chromatography	
	Fluoride by Ion Chromatography	
	Nitrite by Ion Chromatography	
	Nitrate by Ion Chromatography	
	Sulfate by Ion Chromatography	
Water	Conductivity (Automated)	
Water	Dissolved metals ultra low package	
	Dissolved Fe in Water by ICPOES	
	Hardness	
	Dissolved Mercury in Water by CVAFS(Low)	
	Dissolved Metals in Water by ICPOES	
	Dissolved Metals in Water by ICPMS(Low)	
	Diss. Metals in Water by ICPMS (Ultra)	

ALS Laboratory Group strives to deliver on-time results to our clients at all times. However, there are times when, due to capacity issues or other unforeseen circumstances, we are unable to meet our expected TATs. The information above is related to a recent workorder you have submitted to our laboratory. We have also included a summary on the parameters of interest for this workorder. In the event that you have an inquiry, please refer to the Work Order # (L+6 digits) when calling your Account Manager.

Sample #/SampleID/DateSampled/DateDue: L933287-1/MLARD CUBE #1/14-SEP-10/29-SEP-10

Matrix	Product Description	Product Due*
Water	Total metals ultra low package	
	Total Fe in Water by ICPOES	
	Hardness	
	Total Mercury in Water by CVAFS(Low)	
	Total Metals in Water by ICPOES	
	Total Metals in Water by ICPMS(Low)	
	Total Metals in Water by ICPMS (Ultra)	
Water	pH by Meter (Automated)	
Water	Total Dissolved Solids by Gravimetric	
Water	Total Suspended Solids by Gravimetric	
Misc.	Sample Handling and Disposal Fee	

Sample #/SampleID/DateSampled/DateDue: L933287-2/MLARD CUBE #2/14-SEP-10/29-SEP-10

Matrix	Product Description	Product Due*
Water	Acidity by Automatic Titration	
Water	Alkalinity by Colourimetric (Automated)	
Water	Anions by Ion Chromatography	
	Bromide by Ion Chromatography	
	Chloride by Ion Chromatography	
	Fluoride by Ion Chromatography	
	Nitrite by Ion Chromatography	
	Nitrate by Ion Chromatography	
	Sulfate by Ion Chromatography	
Water	Conductivity (Automated)	
Water	Dissolved metals ultra low package	
	Dissolved Fe in Water by ICPOES	
	Hardness	
	Dissolved Mercury in Water by CVAFS(Low)	
	Dissolved Metals in Water by ICPOES	
	Dissolved Metals in Water by ICPMS(Low)	
	Diss. Metals in Water by ICPMS (Ultra)	

Sample #/SampleID/DateSampled/DateDue: L933287-2/MLARD CUBE #2/14-SEP-10/29-SEP-10

Matrix	Product Description	Product Due*
Water	Total metals ultra low package	
	Total Fe in Water by ICPOES	
	Hardness	

ALS Laboratory Group strives to deliver on-time results to our clients at all times. However, there are times when, due to capacity issues or other unforeseen circumstances, we are unable to meet our expected TATs. The information above is related to a recent workorder you have submitted to our laboratory. We have also included a summary on the parameters of interest for this workorder. In the event that you have an inquiry, please refer to the Work Order # (L+6 digits) when calling your Account Manager.

Sample #/SampleID/DateSampled/DateDue: L933287-2/MLARD CUBE #2/14-SEP-10/29-SEP-10

Matrix	Product Description	Product Due*
	Total Mercury in Water by CVAFS(Low)	
	Total Metals in Water by ICPOES	
	Total Metals in Water by ICPMS(Low)	
	Total Metals in Water by ICPMS (Ultra)	
Water	Ammonia by Fluorescence	
Water	pH by Meter (Automated)	
Water	Total Dissolved Solids by Gravimetric	
Water	Total Suspended Solids by Gravimetric	
Misc.	Sample Handling and Disposal Fee	

Sample #/SampleID/DateSampled/DateDue: L933287-3/MLARD CUBE #3/14-SEP-10/29-SEP-10

Matrix	Product Description	Product Due*
Water	Acidity by Automatic Titration	
Water	Alkalinity by Colourimetric (Automated)	
Water	Anions by Ion Chromatography	
	Bromide by Ion Chromatography	
	Chloride by Ion Chromatography	
	Fluoride by Ion Chromatography	
	Nitrite by Ion Chromatography	
	Nitrate by Ion Chromatography	
	Sulfate by Ion Chromatography	
Water	Conductivity (Automated)	
Water	Dissolved metals ultra low package	
	Dissolved Fe in Water by ICPOES	
	Hardness	
	Dissolved Mercury in Water by CVAFS(Low)	
	Dissolved Metals in Water by ICPOES	
	Dissolved Metals in Water by ICPMS(Low)	
	Diss. Metals in Water by ICPMS (Ultra)	
Water	Total metals ultra low package	
	Total Fe in Water by ICPOES	
	Hardness	
	Total Mercury in Water by CVAFS(Low)	
	Total Metals in Water by ICPOES	
	Total Metals in Water by ICPMS(Low)	
	Total Metals in Water by ICPMS (Ultra)	

ALS Laboratory Group strives to deliver on-time results to our clients at all times. However, there are times when, due to capacity issues or other unforeseen circumstances, we are unable to meet our expected TATs. The information above is related to a recent workorder you have submitted to our laboratory. We have also included a summary on the parameters of interest for this workorder. In the event that you have an inquiry, please refer to the Work Order # (L+6 digits) when calling your Account Manager.

Sample #/SampleID/DateSampled/DateDue: L933287-3/MLARD CUBE #3/14-SEP-10/29-SEP-10

Matrix	Product Description	Product Due*
Water	pH by Meter (Automated)	
Water	Total Dissolved Solids by Gravimetric	
Water	Total Suspended Solids by Gravimetric	
Misc.	Sample Handling and Disposal Fee	

Sample #/SampleID/DateSampled/DateDue: L933287-4/MLARD BARREL #1/14-SEP-10/29-SEP-10

Matrix	Product Description	Product Due*
Water	Acidity by Automatic Titration	
Water	Alkalinity by Colourimetric (Automated)	
Water	Anions by Ion Chromatography	
	Bromide by Ion Chromatography	
	Chloride by Ion Chromatography	
	Fluoride by Ion Chromatography	
	Nitrite by Ion Chromatography	
	Nitrate by Ion Chromatography	
	Sulfate by Ion Chromatography	
Water	Conductivity (Automated)	
Water	Dissolved metals ultra low package	
	Dissolved Fe in Water by ICPOES	
	Hardness	
	Dissolved Mercury in Water by CVAFS(Low)	
	Dissolved Metals in Water by ICPOES	
	Dissolved Metals in Water by ICPMS(Low)	
	Diss. Metals in Water by ICPMS (Ultra)	
Water	Total metals ultra low package	
	Total Fe in Water by ICPOES	
	Hardness	
	Total Mercury in Water by CVAFS(Low)	
	Total Metals in Water by ICPOES	
	Total Metals in Water by ICPMS(Low)	
	Total Metals in Water by ICPMS (Ultra)	
Water	Ammonia by Fluorescence	
Water	pH by Meter (Automated)	
Water	Total Dissolved Solids by Gravimetric	
Water	Total Suspended Solids by Gravimetric	
Misc.	Sample Handling and Disposal Fee	

ALS Laboratory Group strives to deliver on-time results to our clients at all times. However, there are times when, due to capacity issues or other unforeseen circumstances, we are unable to meet our expected TATs. The information above is related to a recent workorder you have submitted to our laboratory. We have also included a summary on the parameters of interest for this workorder. In the event that you have an inquiry, please refer to the Work Order # (L+6 digits) when calling your Account Manager.

Sample #/SampleID/DateSampled/DateDue: L933287-5/MLARD BARREL #2/14-SEP-10/29-SEP-10

Matrix	Product Description	Product Due*
Water	Acidity by Automatic Titration	
Water	Alkalinity by Colourimetric (Automated)	
Water	Anions by Ion Chromatography	
	Bromide by Ion Chromatography	
	Chloride by Ion Chromatography	
	Fluoride by Ion Chromatography	
	Nitrite by Ion Chromatography	
	Nitrate by Ion Chromatography	
	Sulfate by Ion Chromatography	
Water	Conductivity (Automated)	
Water	Dissolved metals ultra low package	
	Dissolved Fe in Water by ICPOES	
	Hardness	
	Dissolved Mercury in Water by CVAFS(Low)	
	Dissolved Metals in Water by ICPOES	
	Dissolved Metals in Water by ICPMS(Low)	
	Diss. Metals in Water by ICPMS (Ultra)	
Water	Total metals ultra low package	
	Total Fe in Water by ICPOES	
	Hardness	
	Total Mercury in Water by CVAFS(Low)	
	Total Metals in Water by ICPOES	
	Total Metals in Water by ICPMS(Low)	
	Total Metals in Water by ICPMS (Ultra)	
Water	Ammonia by Fluorescence	
Water	pH by Meter (Automated)	
Water	Total Dissolved Solids by Gravimetric	
Water	Total Suspended Solids by Gravimetric	
Misc.	Sample Handling and Disposal Fee	

Sample #/SampleID/DateSampled/DateDue: L933287-6/MLARD BARREL #4/14-SEP-10/29-SEP-10

Matrix	Product Description	Product Due*
Water	Acidity by Automatic Titration	
Water	Alkalinity by Colourimetric (Automated)	

ALS Laboratory Group strives to deliver on-time results to our clients at all times. However, there are times when, due to capacity issues or other unforeseen circumstances, we are unable to meet our expected TATs. The information above is related to a recent workorder you have submitted to our laboratory. We have also included a summary on the parameters of interest for this workorder. In the event that you have an inquiry, please refer to the Work Order # (L+6 digits) when calling your Account Manager.

Sample #/SampleID/DateSampled/DateDue: L933287-6/MLARD BARREL #4/14-SEP-10/29-SEP-10

Matrix	Product Description	Product Due*
Water	Anions by Ion Chromatography	
	Bromide by Ion Chromatography	
	Chloride by Ion Chromatography	
	Fluoride by Ion Chromatography	
	Nitrite by Ion Chromatography	
	Nitrate by Ion Chromatography	
	Sulfate by Ion Chromatography	
Water	Conductivity (Automated)	
Water	Dissolved metals ultra low package	
	Dissolved Fe in Water by ICPOES	
	Hardness	
	Dissolved Mercury in Water by CVAFS(Low)	
	Dissolved Metals in Water by ICPOES	
	Dissolved Metals in Water by ICPMS(Low)	
	Diss. Metals in Water by ICPMS (Ultra)	
Water	Total metals ultra low package	
	Total Fe in Water by ICPOES	
	Hardness	
	Total Mercury in Water by CVAFS(Low)	
	Total Metals in Water by ICPOES	
	Total Metals in Water by ICPMS(Low)	
	Total Metals in Water by ICPMS (Ultra)	
Water	pH by Meter (Automated)	
Water	Total Dissolved Solids by Gravimetric	
Water	Total Suspended Solids by Gravimetric	
Misc.	Sample Handling and Disposal Fee	

Sample #/SampleID/DateSampled/DateDue: L933287-7/MCS-8/16-SEP-10/29-SEP-10

Matrix	Product Description	Product Due*
Water	Alkalinity by Colourimetric (Automated)	
Water	Anions by Ion Chromatography	
	Bromide by Ion Chromatography	
	Chloride by Ion Chromatography	
	Fluoride by Ion Chromatography	
	Sulfate by Ion Chromatography	
Water	Conductivity (Automated)	

ALS Laboratory Group strives to deliver on-time results to our clients at all times. However, there are times when, due to capacity issues or other unforeseen circumstances, we are unable to meet our expected TATs. The information above is related to a recent workorder you have submitted to our laboratory. We have also included a summary on the parameters of interest for this workorder. In the event that you have an inquiry, please refer to the Work Order # (L+6 digits) when calling your Account Manager.

Sample #/SampleID/DateSampled/DateDue: L933287-7/MCS-8/16-SEP-10/29-SEP-10

Matrix	Product Description	Product Due*
Water	Dissolved metals ultra low package	
	Dissolved Fe in Water by ICPOES	
	Hardness	
	Dissolved Mercury in Water by CVAFS(Low)	
	Dissolved Metals in Water by ICPOES	
	Dissolved Metals in Water by ICPMS(Low)	
	Diss. Metals in Water by ICPMS (Ultra)	
Water	Total metals ultra low package	
	Total Fe in Water by ICPOES	
	Hardness	
	Total Mercury in Water by CVAFS(Low)	
	Total Metals in Water by ICPOES	
	Total Metals in Water by ICPMS(Low)	
	Total Metals in Water by ICPMS (Ultra)	
Water	pH by Meter (Automated)	
Misc.	Sample Handling and Disposal Fee	

Sample #/SampleID/DateSampled/DateDue: L933287-8/MORRISON CREEK/16-SEP-10/29-SEP-10

Matrix	Product Description	Product Due*
Water	Alkalinity by Colourimetric (Automated)	
Water	Anions by Ion Chromatography	
	Bromide by Ion Chromatography	
	Chloride by Ion Chromatography	
	Fluoride by Ion Chromatography	
	Sulfate by Ion Chromatography	
Water	Conductivity (Automated)	
Water	Dissolved metals ultra low package	
	Dissolved Fe in Water by ICPOES	
	Hardness	
	Dissolved Mercury in Water by CVAFS(Low)	
	Dissolved Metals in Water by ICPOES	
	Dissolved Metals in Water by ICPMS(Low)	
	Diss. Metals in Water by ICPMS (Ultra)	

ALS Laboratory Group strives to deliver on-time results to our clients at all times. However, there are times when, due to capacity issues or other unforeseen circumstances, we are unable to meet our expected TATs. The information above is related to a recent workorder you have submitted to our laboratory. We have also included a summary on the parameters of interest for this workorder. In the event that you have an inquiry, please refer to the Work Order # (L+6 digits) when calling your Account Manager.

Sample #/SampleID/DateSampled/DateDue: L933287-8/MORRISON CREEK/16-SEP-10/29-SEP-10

Matrix	Product Description	Product Due*
Water	Total metals ultra low package	
	Total Fe in Water by ICPOES	
	Hardness	
	Total Mercury in Water by CVAFS(Low)	
	Total Metals in Water by ICPOES	
	Total Metals in Water by ICPMS(Low)	
	Total Metals in Water by ICPMS (Ultra)	
Water	pH by Meter (Automated)	
Misc.	Sample Handling and Disposal Fee	

Sample #/SampleID/DateSampled/DateDue: L933287-9/OLYMPIC LAKE/16-SEP-10/29-SEP-10

Matrix	Product Description	Product Due*
Water	Alkalinity by Colourimetric (Automated)	
Water	Anions by Ion Chromatography	
	Bromide by Ion Chromatography	
	Chloride by Ion Chromatography	
	Fluoride by Ion Chromatography	
	Sulfate by Ion Chromatography	
Water	Conductivity (Automated)	
Water	Dissolved metals ultra low package	
	Dissolved Fe in Water by ICPOES	
	Hardness	
	Dissolved Mercury in Water by CVAFS(Low)	
	Dissolved Metals in Water by ICPOES	
	Dissolved Metals in Water by ICPMS(Low)	
	Diss. Metals in Water by ICPMS (Ultra)	
Water	Total metals ultra low package	
	Total Fe in Water by ICPOES	
	Hardness	
	Total Mercury in Water by CVAFS(Low)	
	Total Metals in Water by ICPOES	
	Total Metals in Water by ICPMS(Low)	
	Total Metals in Water by ICPMS (Ultra)	
Water	pH by Meter (Automated)	
Misc.	Sample Handling and Disposal Fee	

ALS Laboratory Group strives to deliver on-time results to our clients at all times. However, there are times when, due to capacity issues or other unforeseen circumstances, we are unable to meet our expected TATs. The information above is related to a recent workorder you have submitted to our laboratory. We have also included a summary on the parameters of interest for this workorder. In the event that you have an inquiry, please refer to the Work Order # (L+6 digits) when calling your Account Manager.

Sample #/SampleID/DateSampled/DateDue: L933287-10/GROUND WATER WELL 1/16-SEP-10/29-SEP-10

Matrix	Product Description	Product Due*
Water	Alkalinity by Colourimetric (Automated)	
Water	Anions by Ion Chromatography	
	Bromide by Ion Chromatography	
	Chloride by Ion Chromatography	
	Fluoride by Ion Chromatography	
	Sulfate by Ion Chromatography	
Water	Conductivity (Automated)	
Water	pH by Meter (Automated)	
Misc.	Sample Handling and Disposal Fee	

* INDICATES ESTIMATED COMPLETION DATE OF REQUESTED PRODUCT IF DIFFERENT THAN THE ESTIMATED COMPLETION DATE.

ALS Laboratory Group strives to deliver on-time results to our clients at all times. However, there are times when, due to capacity issues or other unforeseen circumstances, we are unable to meet our expected TATs. The information above is related to a recent workorder you have submitted to our laboratory. We have also included a summary on the parameters of interest for this workorder. In the event that you have an inquiry, please refer to the Work Order # (L+6 digits) when calling your Account Manager.

Short Holding Time

Rush Processing

Chain of Custody / Analytical Request Form
Canada Toll Free: 1 800 668 9878
www.alsglobal.com

COC # _____

Page 1 of 2

Report To		Report Format / Distribution	Service Requested (Rush for routine analysis subject to availability)
Company:	Pacific Booker Minerals	☑ Standard ☐ Other	◉ Regular (Standard Turnaround Times - Business Days)
Contact:	Don Betton	☑ PDF ☑ Excel ☑ Digital ☑ Fax	○ Priority (2-4 Business Days) - 50% Surcharge - Contact ALS to Confirm TAT
Address:	1166 Alberni St. Suite 1702	Email 1: d.betton@pacificbooker.com	○ Emergency (1-2 Bus. Days) - 100% Surcharge - Contact ALS to Confirm TAT
	Vancouver, BC Canada V6E 3Z3	Email 2:	○ Same Day or Weekend Emergency - Contact ALS to Confirm TAT
Phone:	1-604-681-8556 Fax: 604.687.5995	Email 3:	
Invoice To	Same as Report ? ☑ Yes ☐ No	Client / Project Information	Analysis Request
Hardcopy of Invoice with Report?	☑ Yes ☐ No	Job #:	Please indicate below Filtered, Preserved or both (F, P, F/P)
Company:		PO / AFE:	
Contact:		LSD:	
Address:			
Phone:	Fax:	Quote #:	
Lab Work Order # (lab use only)	L933287	ALS Contact:	Sampler:

Sample #	Sample Identification (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	General Parameters	NO3	N02	Ammonia	Total Dissolved Solids	Total Suspended Solids	ultra-trace total metals + Hg	ultra-trace dissolved metals + Hg					Number of Containers
								P				P					
1	MLARD Cube #1	14-9-10	5:00 pm	water	✓	✓	✓	~~✓~~	✓	✓	✓	✓					3
2	MLARD Cube #2	14-9-10	"	water	✓	✓	✓	✓	✓	✓	✓	✓					~~4~~ 4
3	MLARD Cube #3	14-9-10	"	water	✓	✓	✓	~~✓~~	✓	✓	✓	✓					3
4	MLARD Barrel #1	14-9-10	"	water	✓	✓	✓	✓	✓	✓	✓	✓					~~3~~ 4
5	MLARD Barrel #2	14-9-10	"	water	✓	✓	✓	✓	✓	✓	✓	✓					~~3~~ 4
6	~~MLARD Barrel #3~~ MLARD CUBE #4	14-9-10	"	water	✓	✓	✓	~~✓~~	✓	✓	✓	✓					3

Special Instructions / Regulations with water or land use (CCME-Freshwater Aquatic Life/BC CSR - Commercial/AB Tier 1 - Natural, etc) / Hazardous Details

Dissolved Metals Filter in Lab

General Parameters should include - pH, conductivity, alkalinity, hardness, and anions (SO4, Br, Cl, F)

FOR Questions call Matt MacKinnon 778-868-2901

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

By the use of this form the user acknowledges and agrees with the Terms and Conditions as provided on a separate Excel tab.

Also provided on another Excel tab are the ALS location addresses, phone numbers and sample container / preservation / holding time table for common analyses.

SHIPMENT RELEASE (client use)			SHIPMENT RECEPTION (lab use only)				SHIPMENT VERIFICATION (lab use only)			
Released by:	Date (dd-mmm-yy)	Time (hh-mm)	Received by:	Date:	Time:	Temperature:	Verified by:	Date:	Time:	Observations: Yes / No ?
M. Mackinnon	Sep 14, 10	5:00 pm	RC	20 Sept	8:30	11.8 --				

ALS Laboral
ANALYTICAL CHEMISTRY & TES

Environmental Div

Short Holding Time

Rush Processing

Chain of Custody / Analytical Request Form
Canada Toll Free: 1 800 668 9878
www.alsglobal.com

10-039622

Page 2 of 2

Report To	Report Format / Distribution	Service Requested: (Rush subject to availability)
Company:	Standard: ____ Other (specify): ____	Regular (Standard Turnaround Times))
Contact:	Select: PDF ____ Excel ____ Digital ____ Fax ____	Priority, Date Req'd: ____ (Surcharges apply)
Address: page 2	Email 1:	Emergency (1 Business Day) - 100% Surcharge
	Email 2:	For Emergency < 1 Day, ASAP or Weekend - Contact ALS
Phone: Fax:		

Invoice To	Client / Project Information
Same as Report ? (circle) Yes or No (if No, provide details)	
Copy of Invoice with Report? (circle) Yes or No	Job #:
Company:	PO / AFE:
Contact:	LSD:
Address:	
Phone: Fax:	Quote #:

Lab Work Order # (lab use only) L933287 | **ALS Contact:** | **Sampler:**

Analysis Request (Indicate Filtered or Preserved, F/P)

Sample #	Sample Identification (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	General Parameters	Total Metals	Dissolved Metals	Number of Containers
	MLS-8	9/16/10	18:00	H_2O	✓	✓	✓	3
	Morrison Creek	9/16/10	18:00	H_2O	✓	✓	✓	3
	Olympic Lake	9/16/10	18:00	H_2O	✓	✓	✓	3
	GROUND WATER WELL 1	"	"	"	✓			1

Special Instructions / Regulations / Hazardous Details

Dissolved Metals – Filter in Lab! Questions? Call Matt MacKinnon 778-868-2901

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

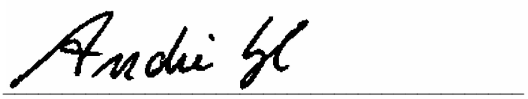
SHIPMENT RELEASE (client use)			SHIPMENT RECEPTION (lab use only)				SHIPMENT VERIFICATION (lab use only)			
Released by:	Date:	Time:	Received by:	Date:	Time:	Temperature:	Verified by:	Date:	Time:	Observations: Yes / No ? If Yes add SIF
			R. C	20 Sep 1	8:30	11.8 °C				

PACIFIC BOOKER MINERALS INC.
ATTN: Don Betton
1702 - 1166 ALBERNI ST.
VANCOUVER BC V6E 3Z3
Phone: 604-681-8556

Date Received: 20-SEP-10
Report Date: 01-OCT-10 12:42 (MT)
Version: FINAL

Certificate of Analysis

Lab Work Order #: L933287
Project P.O. #: NOT SUBMITTED
Job Reference:
Legal Site Desc:
C of C Numbers:



Andre Langlais
Account Manager

ALS LABORATORY GROUP ANALYTICAL REPORT

Grouping	Analyte	L933287-1 14-SEP-10 17:00 MLARD CUBE #1	L933287-2 14-SEP-10 17:00 MLARD CUBE #2	L933287-3 14-SEP-10 17:00 MLARD CUBE #3	L933287-4 14-SEP-10 17:00 MLARD BARREL #1	L933287-5 14-SEP-10 17:00 MLARD BARREL #2
WATER						
Physical Tests	Conductivity (uS/cm)	1520	1290	713	1350	469
	Hardness (as CaCO3) (mg/L)	956	760	352	761	195
	pH (pH)	7.76	7.99	7.99	7.34	8.13
	Total Suspended Solids (mg/L)	4.8	3.8	99.6	4.2	14.1
	Total Dissolved Solids (mg/L)	1370	1120	529	1220	315
Anions and Nutrients	Acidity (as CaCO3) (mg/L)	3.1	4.4	4.6	5.3	2.7
	Alkalinity, Total (as CaCO3) (mg/L)	69.5	75.2	118	26.1	95.4
	Ammonia as N (mg/L)		<0.0050		0.0152	0.0182
	Bromide (Br) (mg/L)	<0.50	<0.50	<0.50	<0.50	<0.050
	Chloride (Cl) (mg/L)	<5.0	<5.0	<5.0	<5.0	0.52
	Fluoride (F) (mg/L)	0.23	<0.20	<0.20	0.52	0.230
	Nitrate (as N) (mg/L)	<0.050	2.40	1.22	4.72	<0.0050
	Nitrite (as N) (mg/L)	<0.010	<0.010	0.684	0.093	<0.0010
	Sulfate (SO4) (mg/L)	915	727	268	768	141
Total Metals	Aluminum (Al)-Total (mg/L)	0.0053	0.0080	0.367	0.0098	0.0171
	Antimony (Sb)-Total (mg/L)	0.00355	0.00177	0.00249	0.00732	0.00114
	Arsenic (As)-Total (mg/L)	0.00310	0.00217	0.00606	0.00531	0.0126
	Barium (Ba)-Total (mg/L)	0.0189	0.0326	0.0574	0.0125	0.00410
	Beryllium (Be)-Total (mg/L)	<0.0010 DLA	<0.00040 DLA	<0.00020	<0.00040 DLA	<0.00020
	Bismuth (Bi)-Total (mg/L)	<0.0025 DLA	<0.0010 DLA	<0.00050	<0.0010 DLA	<0.00050
	Boron (B)-Total (mg/L)	<0.025 DLM	<0.010 DLM	0.0102	0.040	0.0361
	Cadmium (Cd)-Total (mg/L)	<0.000085 DLA	<0.000034 DLA	0.000066	0.00810	0.000050
	Calcium (Ca)-Total (mg/L)	124	153	81.2	130	37.6
	Chromium (Cr)-Total (mg/L)	<0.0010 DLM	<0.0010 DLM	0.00168	<0.0010 DLM	0.00076
	Cobalt (Co)-Total (mg/L)	<0.00050 DLA	<0.00020 DLA	0.00045	0.0544	0.00052
	Copper (Cu)-Total (mg/L)	0.0145	0.0156	0.0465	0.188	0.0780
	Iron (Fe)-Total (mg/L)	<0.010	0.041	0.445	0.035	0.164
	Lead (Pb)-Total (mg/L)	<0.00025 DLA	<0.00010 DLA	0.000929	<0.00010 DLA	0.000108
	Lithium (Li)-Total (mg/L)	<0.025 DLA	<0.010 DLA	0.0066	0.012	<0.0050
	Magnesium (Mg)-Total (mg/L)	169	97.1	37.6	103	24.1
	Manganese (Mn)-Total (mg/L)	0.00232	0.00539	0.0135	3.28	0.00519
	Mercury (Hg)-Total (mg/L)	<0.000010	<0.000010	<0.000010	0.000012	<0.000010
	Molybdenum (Mo)-Total (mg/L)	0.00643	0.0331	0.0216	0.00399	0.00981
	Nickel (Ni)-Total (mg/L)	0.00296	0.0232	0.00553	0.370	0.0113
	Phosphorus (P)-Total (mg/L)	<0.30	<0.30	0.33	<0.30	<0.30
	Potassium (K)-Total (mg/L)	11.8	5.16	15.2	24.9	36.1
	Selenium (Se)-Total (mg/L)	0.0103	0.0140	0.00355	0.0145	0.00300

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample ID	L933287-6	L933287-7	L933287-8	L933287-9	L933287-10
Description					
Sampled Date	14-SEP-10	16-SEP-10	16-SEP-10	16-SEP-10	16-SEP-10
Sampled Time	17:00	18:00	18:00	18:00	18:00
Client ID	MLARD BARREL #4	MCS-8	MORRISON CREEK	OLYMPIC LAKE	GROUND WATER WELL 1
Grouping / **Analyte**					
WATER					
Physical Tests					
Conductivity (uS/cm)	2220	216	67.4	153	289
Hardness (as CaCO3) (mg/L)	1570	111	33.5	79.3	
pH (pH)	7.73	8.09	7.74	7.91	9.70
Total Suspended Solids (mg/L)	17.3				
Total Dissolved Solids (mg/L)	2190				
Anions and Nutrients					
Acidity (as CaCO3) (mg/L)	5.9				
Alkalinity, Total (as CaCO3) (mg/L)	40.8	110	32.9	81.1	57.5
Ammonia as N (mg/L)					
Bromide (Br) (mg/L)	<1.0	<0.050	<0.050	<0.050	<0.050
Chloride (Cl) (mg/L)	<10	<0.50	<0.50	<0.50	<0.50
Fluoride (F) (mg/L)	<0.40	0.068	0.031	0.083	0.064
Nitrate (as N) (mg/L)	1.90				
Nitrite (as N) (mg/L)	<0.020				
Sulfate (SO4) (mg/L)	1550	9.37	2.55	3.22	89.4
Total Metals					
Aluminum (Al)-Total (mg/L)	<0.0050 DLA	0.0197	0.0224	0.0554	
Antimony (Sb)-Total (mg/L)	0.00366	<0.000050	<0.000050	<0.000050	
Arsenic (As)-Total (mg/L)	0.00740	0.000592	0.000422	0.00316	
Barium (Ba)-Total (mg/L)	0.0575	0.0588	0.0235	0.0698	
Beryllium (Be)-Total (mg/L)	<0.0010 DLA	<0.00020	<0.00020	<0.00020	
Bismuth (Bi)-Total (mg/L)	<0.0025 DLA	<0.00050	<0.00050	<0.00050	
Boron (B)-Total (mg/L)	<0.025 DLM	0.0164	0.0079	0.0134	
Cadmium (Cd)-Total (mg/L)	<0.000085 DLA	<0.000017	0.000048	0.000055	
Calcium (Ca)-Total (mg/L)	348 DLM	35.5 DLM	10.4 DLM	25.0 DLM	
Chromium (Cr)-Total (mg/L)	<0.0010	<0.00050	<0.00050	<0.00050	
Cobalt (Co)-Total (mg/L)	<0.00050 DLA	<0.00010	<0.00010	0.00014	
Copper (Cu)-Total (mg/L)	0.0217	0.00078	0.00158	0.00110	
Iron (Fe)-Total (mg/L)	0.102	0.130	0.174	1.30	
Lead (Pb)-Total (mg/L)	<0.00025 DLA	<0.000050	0.000072	0.000167	
Lithium (Li)-Total (mg/L)	<0.025 DLA	<0.0050	<0.0050	<0.0050	
Magnesium (Mg)-Total (mg/L)	176	6.52	2.45	4.81	
Manganese (Mn)-Total (mg/L)	0.00261	0.126	0.0146	0.227	
Mercury (Hg)-Total (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	
Molybdenum (Mo)-Total (mg/L)	0.0194	0.000131	0.000117	0.000098	
Nickel (Ni)-Total (mg/L)	0.0257	0.00056	0.00063	0.00065	
Phosphorus (P)-Total (mg/L)	<0.30	<0.30	<0.30	<0.30	
Potassium (K)-Total (mg/L)	16.4	0.431	0.438	0.738	
Selenium (Se)-Total (mg/L)	0.0215	<0.00020 DLM	<0.00020 DLM	<0.00020 DLM	

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS LABORATORY GROUP ANALYTICAL REPORT

Grouping	Analyte	L933287-1 14-SEP-10 17:00 MLARD CUBE #1	L933287-2 14-SEP-10 17:00 MLARD CUBE #2	L933287-3 14-SEP-10 17:00 MLARD CUBE #3	L933287-4 14-SEP-10 17:00 MLARD BARREL #1	L933287-5 14-SEP-10 17:00 MLARD BARREL #2
WATER						
Total Metals	Silicon (Si)-Total (mg/L)	1.08	0.932	2.79	1.78	0.942
	Silver (Ag)-Total (mg/L)	DLA <0.000050	DLA <0.000020	0.000058	DLA <0.000020	0.000017
	Sodium (Na)-Total (mg/L)	2.26	3.46	3.78	8.56	5.26
	Strontium (Sr)-Total (mg/L)	0.817	1.55	3.27	0.609	0.145
	Thallium (Tl)-Total (mg/L)	0.00029	DLA <0.00010	0.000069	0.00021	0.000329
	Tin (Sn)-Total (mg/L)	DLA <0.00050	DLA <0.00020	0.00016	DLA <0.00020	0.00090
	Titanium (Ti)-Total (mg/L)	<0.010	<0.010	0.022	<0.010	<0.010
	Uranium (U)-Total (mg/L)	0.00717	0.00135	0.00566	0.000857	0.000648
	Vanadium (V)-Total (mg/L)	DLM <0.0025	DLM <0.0010	0.00183	DLM <0.0010	0.00073
	Zinc (Zn)-Total (mg/L)	DLA <0.0050	0.0375	0.154	1.86	0.0993
Dissolved Metals	Aluminum (Al)-Dissolved (mg/L)	DLA <0.0050	0.0071	0.0136	0.0069	0.0110
	Antimony (Sb)-Dissolved (mg/L)	0.00348	0.00174	0.00256	0.00735	0.00112
	Arsenic (As)-Dissolved (mg/L)	0.00283	0.00219	0.00528	0.00534	0.0129
	Barium (Ba)-Dissolved (mg/L)	0.0180	0.0313	0.0389	0.0127	0.00359
	Beryllium (Be)-Dissolved (mg/L)	DLA <0.0010	DLA <0.00040	<0.00020	DLA <0.00040	<0.00020
	Bismuth (Bi)-Dissolved (mg/L)	DLA <0.0025	DLA <0.0010	<0.00050	DLA <0.0010	<0.00050
	Boron (B)-Dissolved (mg/L)	DLM <0.025	DLM <0.010	0.0067	0.034	0.0355
	Cadmium (Cd)-Dissolved (mg/L)	DLA <0.000085	DLA <0.000034	0.000030	0.00800	0.000042
	Calcium (Ca)-Dissolved (mg/L)	117	148	78.8	132	37.1
	Chromium (Cr)-Dissolved (mg/L)	DLM <0.0025	DLM <0.0010	DLM <0.00050	DLM <0.0010	DLM <0.00050
	Cobalt (Co)-Dissolved (mg/L)	DLA <0.00050	DLA <0.00020	0.00013	0.0546	0.00052
	Copper (Cu)-Dissolved (mg/L)	0.0136	0.0151	0.0359	0.182	0.0753
	Iron (Fe)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	0.014
	Lead (Pb)-Dissolved (mg/L)	DLA <0.00025	DLA <0.00010	0.000097	DLA <0.00010	0.000111
	Lithium (Li)-Dissolved (mg/L)	DLA <0.025	DLA <0.010	0.0062	0.012	<0.0050
	Magnesium (Mg)-Dissolved (mg/L)	162	94.8	37.6	105	24.9
	Manganese (Mn)-Dissolved (mg/L)	0.00201	0.00455	0.00444	3.28	0.00651
	Mercury (Hg)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Molybdenum (Mo)-Dissolved (mg/L)	0.00579	0.0295	0.0215	0.00369	0.00795
	Nickel (Ni)-Dissolved (mg/L)	0.00279	0.0207	0.00385	0.373	0.0109
	Phosphorus (P)-Dissolved (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30
	Potassium (K)-Dissolved (mg/L)	11.2	5.06	15.6	25.6	35.4
	Selenium (Se)-Dissolved (mg/L)	0.0089	0.0132	0.00392	0.0132	0.00346
	Silicon (Si)-Dissolved (mg/L)	1.08	0.972	2.30	1.77	1.01
	Silver (Ag)-Dissolved (mg/L)	DLA <0.000050	DLA <0.000020	0.000013	DLA <0.000020	0.000012
	Sodium (Na)-Dissolved (mg/L)	2.14	3.37	3.86	8.83	5.36
	Strontium (Sr)-Dissolved (mg/L)	0.792	1.48	3.29	0.612	0.143

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS LABORATORY GROUP ANALYTICAL REPORT

Grouping	Analyte	L933287-6 14-SEP-10 17:00 MLARD BARREL #4	L933287-7 16-SEP-10 18:00 MCS-8	L933287-8 16-SEP-10 18:00 MORRISON CREEK	L933287-9 16-SEP-10 18:00 OLYMPIC LAKE	L933287-10 16-SEP-10 18:00 GROUND WATER WELL 1
WATER						
Total Metals	Silicon (Si)-Total (mg/L)	0.057	4.37	1.81	1.72	
	Silver (Ag)-Total (mg/L)	DLA <0.000050	<0.000010	<0.000010	<0.000010	
	Sodium (Na)-Total (mg/L)	6.58	5.39	2.13	3.18	
	Strontium (Sr)-Total (mg/L)	6.76	0.117	0.0557	0.0892	
	Thallium (Tl)-Total (mg/L)	0.00039	<0.000050	<0.000050	<0.000050	
	Tin (Sn)-Total (mg/L)	DLA <0.00050	<0.00010	<0.00010	<0.00010	
	Titanium (Ti)-Total (mg/L)	<0.010	<0.010	<0.010	<0.010	
	Uranium (U)-Total (mg/L)	0.00711	0.000022	<0.000010	0.000011	
	Vanadium (V)-Total (mg/L)	DLM <0.0025	DLM <0.00050	DLM <0.00050	0.00061	
	Zinc (Zn)-Total (mg/L)	0.0050	<0.0010	0.0027	0.0022	
Dissolved Metals	Aluminum (Al)-Dissolved (mg/L)	<0.0050	0.0070	0.0164	0.0424	
	Antimony (Sb)-Dissolved (mg/L)	0.00342	<0.000050	<0.000050	<0.000050	
	Arsenic (As)-Dissolved (mg/L)	0.00738	0.000541	0.000383	0.00319	
	Barium (Ba)-Dissolved (mg/L)	0.0587	0.0548	0.0217	0.0685	
	Beryllium (Be)-Dissolved (mg/L)	0.0012	<0.00020	<0.00020	0.00021	
	Bismuth (Bi)-Dissolved (mg/L)	DLA <0.0025	<0.00050	<0.00050	<0.00050	
	Boron (B)-Dissolved (mg/L)	DLM <0.025	0.0132	0.0051	0.0116	
	Cadmium (Cd)-Dissolved (mg/L)	DLA <0.000085	<0.000017	<0.000017	<0.000017	
	Calcium (Ca)-Dissolved (mg/L)	344	34.0	9.63	24.0	
	Chromium (Cr)-Dissolved (mg/L)	DLM <0.0025	DLM <0.00050	DLM <0.00050	DLM <0.00050	
	Cobalt (Co)-Dissolved (mg/L)	DLA <0.00050	<0.00010	<0.00010	0.00014	
	Copper (Cu)-Dissolved (mg/L)	0.0221	0.00072	0.00088	0.00060	
	Iron (Fe)-Dissolved (mg/L)	<0.010	0.036	0.120	0.662	
	Lead (Pb)-Dissolved (mg/L)	DLA <0.00025	<0.000050	<0.000050	0.000100	
	Lithium (Li)-Dissolved (mg/L)	DLA <0.025	<0.0050	<0.0050	<0.0050	
	Magnesium (Mg)-Dissolved (mg/L)	173	6.31	2.29	4.71	
	Manganese (Mn)-Dissolved (mg/L)	0.00422	0.0366	0.0146	0.250	
	Mercury (Hg)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	
	Molybdenum (Mo)-Dissolved (mg/L)	0.0189	0.000126	0.000112	0.000083	
	Nickel (Ni)-Dissolved (mg/L)	0.0245	0.00050	0.00048	0.00053	
	Phosphorus (P)-Dissolved (mg/L)	<0.30	<0.30	<0.30	<0.30	
	Potassium (K)-Dissolved (mg/L)	16.5	0.433	0.357	0.622	
	Selenium (Se)-Dissolved (mg/L)	0.0184	DLM <0.00020	DLM <0.00020	DLM <0.00020	
	Silicon (Si)-Dissolved (mg/L)	<0.050	4.34	1.75	1.56	
	Silver (Ag)-Dissolved (mg/L)	DLA <0.000050	<0.000010	<0.000010	<0.000010	
	Sodium (Na)-Dissolved (mg/L)	6.54	5.23	1.97	3.07	
	Strontium (Sr)-Dissolved (mg/L)	6.67	0.114	0.0508	0.0860	

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS LABORATORY GROUP ANALYTICAL REPORT

	Sample ID	L933287-1	L933287-2	L933287-3	L933287-4	L933287-5
	Description					
	Sampled Date	14-SEP-10	14-SEP-10	14-SEP-10	14-SEP-10	14-SEP-10
	Sampled Time	17:00	17:00	17:00	17:00	17:00
	Client ID	MLARD CUBE #1	MLARD CUBE #2	MLARD CUBE #3	MLARD BARREL #1	MLARD BARREL #2
Grouping	**Analyte**					
WATER						
Dissolved Metals	Thallium (Tl)-Dissolved (mg/L)	0.00028	<0.00010 DLA	0.000063	0.00022	0.000339
	Tin (Sn)-Dissolved (mg/L)	<0.00050 DLA	<0.00020 DLA	<0.00010	<0.00020 DLA	0.00088
	Titanium (Ti)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010
	Uranium (U)-Dissolved (mg/L)	0.00655	0.00122	0.00521	0.000816	0.000602
	Vanadium (V)-Dissolved (mg/L)	<0.0025 DLM	<0.0010 DLM	<0.00050 DLM	<0.0010 DLM	0.00061
	Zinc (Zn)-Dissolved (mg/L)	<0.0050 DLA	0.0410	0.0972	2.04	0.105

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample ID	L933287-6	L933287-7	L933287-8	L933287-9	L933287-10
Description					
Sampled Date	14-SEP-10	16-SEP-10	16-SEP-10	16-SEP-10	16-SEP-10
Sampled Time	17:00	18:00	18:00	18:00	18:00
Client ID	MLARD BARREL #4	MCS-8	MORRISON CREEK	OLYMPIC LAKE	GROUND WATER WELL 1
Grouping **Analyte**					
WATER					
Dissolved Metals Thallium (Tl)-Dissolved (mg/L)	0.00040	<0.000050	<0.000050	<0.000050	
Tin (Sn)-Dissolved (mg/L)	<0.00050 DLA	<0.00010	<0.00010	<0.00010	
Titanium (Ti)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	
Uranium (U)-Dissolved (mg/L)	0.00698	0.000020	<0.000010	0.000011	
Vanadium (V)-Dissolved (mg/L)	<0.0025 DLM	<0.00050 DLM	<0.00050 DLM	0.00057	
Zinc (Zn)-Dissolved (mg/L)	0.0064	<0.0010	<0.0010	<0.0010	

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

Reference Information

Qualifiers for Individual Parameters Listed:

Qualifier	Description
DLA	Detection Limit Adjusted For required dilution
DLM	Detection Limit Adjusted For Sample Matrix Effects

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
ACY-PCT-VA	Water	Acidity by Automatic Titration	APHA 2310 "Acidity"
This analysis is carried out using procedures adapted from APHA Method 2310 "Acidity". Acidity is determined by potentiometric titration to a specified endpoint.			
ACY-PCT-VA	Water	Acidity by Automatic Titration	APHA 2310 Acidity
This analysis is carried out using procedures adapted from APHA Method 2310 "Acidity". Acidity is determined by potentiometric titration to a specified endpoint.			
ALK-COL-VA	Water	Alkalinity by Colourimetric (Automated)	APHA 310.2
This analysis is carried out using procedures adapted from EPA Method 310.2 "Alkalinity". Total Alkalinity is determined using the methyl orange colourimetric method.			
ANIONS-BR-IC-VA	Water	Bromide by Ion Chromatography	APHA 4110 B.
This analysis is carried out using procedures adapted from APHA Method 4110 B. "Ion Chromatography with Chemical Suppression of Eluent Conductivity" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography".			
ANIONS-CL-IC-VA	Water	Chloride by Ion Chromatography	APHA 4110 B.
This analysis is carried out using procedures adapted from APHA Method 4110 B. "Ion Chromatography with Chemical Suppression of Eluent Conductivity" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography".			
ANIONS-F-IC-VA	Water	Fluoride by Ion Chromatography	APHA 4110 B.
This analysis is carried out using procedures adapted from APHA Method 4110 B. "Ion Chromatography with Chemical Suppression of Eluent Conductivity" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography".			
ANIONS-NO2-IC-VA	Water	Nitrite by Ion Chromatography	APHA 4110 B.
This analysis is carried out using procedures adapted from APHA Method 4110 B. "Ion Chromatography with Chemical Suppression of Eluent Conductivity" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography". Specifically, the nitrite detection is by UV absorbance and not conductivity.			
ANIONS-NO3-IC-VA	Water	Nitrate by Ion Chromatography	APHA 4110 B.
This analysis is carried out using procedures adapted from APHA Method 4110 B. "Ion Chromatography with Chemical Suppression of Eluent Conductivity" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography". Specifically, the nitrate detection is by UV absorance and not conductivity.			
ANIONS-SO4-IC-VA	Water	Sulfate by Ion Chromatography	APHA 4110 B.
This analysis is carried out using procedures adapted from APHA Method 4110 B. "Ion Chromatography with Chemical Suppression of Eluent Conductivity" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography".			
EC-PCT-VA	Water	Conductivity (Automated)	APHA 2510 Auto. Conduc.
This analysis is carried out using procedures adapted from APHA Method 2510 "Conductivity". Conductivity is determined using a conductivity electrode.			
FE-DIS-LOW-ICP-VA	Water	Dissolved Fe in Water by ICPOES	EPA SW-846 3005A/6010B
This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedure involves filtration (EPA Method 3005A) and analysis by inductively coupled plasma - optical emission spectrophotometry (EPA Method 6010B).			
FE-TOT-LOW-ICP-VA	Water	Total Fe in Water by ICPOES	EPA SW-846 3005A/6010B
This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedures may involve preliminary sample treatment by acid digestion, using either hotblock or microwave oven (EPA Method 3005A). Instrumental analysis is by inductively coupled plasma - optical emission spectrophotometry (EPA Method 6010B).			
HARDNESS-CALC-VA	Water	Hardness	APHA 2340B
Hardness is calculated from Calcium and Magnesium concentrations, and is expressed as calcium carbonate equivalents.			
HG-DIS-LOW-CVAFS-VA	Water	Dissolved Mercury in Water by CVAFS(Low)	EPA SW-846 3005A & EPA 245.7
This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedures may involve preliminary sample treatment by filtration (EPA Method 3005A) and involves a cold-oxidation of the acidified sample using bromine monochloride prior to reduction of the sample with stannous chloride. Instrumental analysis is by cold vapour atomic fluorescence spectrophotometry (EPA Method 245.7).			

Reference Information

HG-TOT-LOW-CVAFS-VA Water Total Mercury in Water by CVAFS(Low) EPA 245.7

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedure involves a cold-oxidation of the acidified sample using bromine monochloride prior to reduction of the sample with stannous chloride. Instrumental analysis is by cold vapour atomic fluorescence spectrophotometry (EPA Method 245.7).

MET-DIS-ICP-VA Water Dissolved Metals in Water by ICPOES EPA SW-846 3005A/6010B

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedure involves filtration (EPA Method 3005A) and analysis by inductively coupled plasma - optical emission spectrophotometry (EPA Method 6010B).

MET-DIS-LOW-MS-VA Water Dissolved Metals in Water by ICPMS(Low) EPA SW-846 3005A/6020A

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedures involves preliminary sample treatment by filtration (EPA Method 3005A). Instrumental analysis is by inductively coupled plasma - mass spectrometry (EPA Method 6020A).

MET-DIS-ULTRA-MS-VA Water Diss. Metals in Water by ICPMS (Ultra) EPA SW-846 3005A/6020A

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedures involves preliminary sample treatment by filtration (EPA Method 3005A). Instrumental analysis is by inductively coupled plasma - mass spectrometry (EPA Method 6020A).

MET-TOT-ICP-VA Water Total Metals in Water by ICPOES EPA SW-846 3005A/6010B

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedures may involve preliminary sample treatment by acid digestion, using either hotblock or microwave oven (EPA Method 3005A). Instrumental analysis is by inductively coupled plasma - optical emission spectrophotometry (EPA Method 6010B).

MET-TOT-LOW-MS-VA Water Total Metals in Water by ICPMS(Low) EPA SW-846 3005A/6020A

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedures may involve preliminary sample treatment by acid digestion, using either hotblock or microwave oven, or filtration (EPA Method 3005A). Instrumental analysis is by inductively coupled plasma - mass spectrometry (EPA Method 6020A).

MET-TOT-ULTRA-MS-VA Water Total Metals in Water by ICPMS (Ultra) EPA SW-846 3005A/6020A

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedures may involve preliminary sample treatment by acid digestion, using either hotblock or microwave oven, or filtration (EPA Method 3005A). Instrumental analysis is by inductively coupled plasma - mass spectrometry (EPA Method 6020A).

NH3-F-VA Water Ammonia by Fluorescence J. ENVIRON. MONIT., 2005, 7, 37-42, RSC

This analysis is carried out, on sulphuric acid preserved samples, using procedures modified from J. Environ. Monit., 2005, 7, 37 - 42, The Royal Society of Chemistry, "Flow-injection analysis with fluorescence detection for the determination of trace levels of ammonium in seawater", Roslyn J. Waston et al.

PH-PCT-VA Water pH by Meter (Automated) APHA 4500-H "pH Value"

This analysis is carried out using procedures adapted from APHA Method 4500-H "pH Value". The pH is determined in the laboratory using a pH electrode

It is recommended that this analysis be conducted in the field.

PH-PCT-VA Water pH by Meter (Automated) APHA 4500-H pH Value

This analysis is carried out using procedures adapted from APHA Method 4500-H "pH Value". The pH is determined in the laboratory using a pH electrode

It is recommended that this analysis be conducted in the field.

TDS-VA Water Total Dissolved Solids by Gravimetric APHA 2540 C - GRAVIMETRIC

This analysis is carried out using procedures adapted from APHA Method 2540 "Solids". Solids are determined gravimetrically. Total Dissolved Solids (TDS) are determined by filtering a sample through a glass fibre filter, TDS is determined by evaporating the filtrate to dryness at 180 degrees celsius.

TSS-VA Water Total Suspended Solids by Gravimetric APHA 2540 D - GRAVIMETRIC

This analysis is carried out using procedures adapted from APHA Method 2540 "Solids". Solids are determined gravimetrically. Total Suspended Solids (TSS) are determined by filtering a sample through a glass fibre filter, TSS is determined by drying the filter at 104 degrees celsius.

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Reference Information

Laboratory Definition Code	Laboratory Location
VA	ALS LABORATORY GROUP - VANCOUVER, BC, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogate A compound that is similar in behaviour to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.
mg/kg milligrams per kilogram based on dry weight of sample.
mg/kg wwt milligrams per kilogram based on wet weight of sample.
mg/kg lwt milligrams per kilogram based on lipid-adjusted weight of sample.
mg/L milligrams per litre.
< - Less than.
D.L. The reported Detection Limit, also known as the Limit of Reporting (LOR).
N/A Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as receieved by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Short Holding Time

Rush Processing

Chain of Custody / Analytical Request Form
Canada Toll Free: 1 800 668 9878
www.alsglobal.com

COC # _____

Page 1 of 2

Report To		Report Format / Distribution	Service Requested (Rush for routine analysis subject to availability)
Company:	Pacific Booker Minerals	☑ Standard ☐ Other	◉ Regular (Standard Turnaround Times - Business Days)
Contact:	Don Betton	☑ PDF ☑ Excel ☑ Digital ☑ Fax	○ Priority (2-4 Business Days) - 50% Surcharge - Contact ALS to Confirm TAT
Address:	1166 Alberni St. Suite 1702	Email 1: d.betton@pacificbooker.com	○ Emergency (1-2 Bus. Days) - 100% Surcharge - Contact ALS to Confirm TAT
	Vancouver, BC Canada V6E 3Z3	Email 2:	○ Same Day or Weekend Emergency - Contact ALS to Confirm TAT
Phone:	1-604-681-8556 Fax: 604.687.5995	Email 3:	
Invoice To	Same as Report ? ☑ Yes ☐ No	Client / Project Information	Analysis Request
Hardcopy of Invoice with Report?	☑ Yes ☐ No	Job #:	Please indicate below Filtered, Preserved or both (F, P, F/P)
Company:		PO / AFE:	
Contact:		LSD:	
Address:			
Phone:	Fax:	Quote #:	
Lab Work Order # (lab use only)	L933287	ALS Contact:	Sampler:

Sample #	Sample Identification (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	General Parameters	NO3	N02	Ammonia	Total Dissolved Solids	Total Suspended Solids	ultra-trace total metals + Hg	ultra-trace dissolved metals + Hg					Number of Containers
								P				P					
1	MLARD Cube #1	14-9-10	5:00 pm	water	✓	✓	✓	~~✓~~	✓	✓	✓	✓					3
2	MLARD Cube #2	14-9-10	"	water	✓	✓	✓	✓	✓	✓	✓	✓					~~4~~ 4
3	MLARD Cube #3	14-9-10	"	water	✓	✓	✓	~~✓~~	✓	✓	✓	✓					3
4	MLARD Barrel #1	14-9-10	"	water	✓	✓	✓	✓	✓	✓	✓	✓					~~3~~ 4
5	MLARD Barrel #2	14-9-10	"	water	✓	✓	✓	✓	✓	✓	✓	✓					~~3~~ 4
6	~~MLARD Barrel #3~~ MLARD CUBE #4	14-9-10	"	water	✓	✓	✓	~~✓~~	✓	✓	✓	✓					3

Special Instructions / Regulations with water or land use (CCME-Freshwater Aquatic Life/BC CSR - Commercial/AB Tier 1 - Natural, etc) / Hazardous Details

Dissolved Metals Filter in Lab

General Parameters should include - pH, conductivity, alkalinity, hardness, and anions (SO4, Br, Cl, F)

FOR Questions call Matt MacKinnon 778-868-2901

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

By the use of this form the user acknowledges and agrees with the Terms and Conditions as provided on a separate Excel tab.

Also provided on another Excel tab are the ALS location addresses, phone numbers and sample container / preservation / holding time table for common analyses.

SHIPMENT RELEASE (client use)			SHIPMENT RECEPTION (lab use only)				SHIPMENT VERIFICATION (lab use only)			
Released by:	Date (dd-mmm-yy)	Time (hh-mm)	Received by:	Date:	Time:	Temperature:	Verified by:	Date:	Time:	Observations: Yes / No ?
M. Mackinnon	Sep 14, 10	5:00 pm	RC	20 Sept	8:30	11.8 --				

ALS Laboral
ANALYTICAL CHEMISTRY & TES

Environmental Div

Short Holding Time

Rush Processing

Chain of Custody / Analytical Request Form
Canada Toll Free: 1 800 668 9878
www.alsglobal.com

10-039622

Page 2 of 2

Report To	Report Format / Distribution	Service Requested: (Rush subject to availability)
Company:	Standard: ____ Other (specify): ____	Regular (Standard Turnaround Times))
Contact:	Select: PDF ____ Excel ____ Digital ____ Fax ____	Priority, Date Req'd: ____ (Surcharges apply)
Address: page 2	Email 1:	Emergency (1 Business Day) - 100% Surcharge
	Email 2:	For Emergency < 1 Day, ASAP or Weekend - Contact ALS
Phone: Fax:		

Invoice To	Client / Project Information
Same as Report ? (circle) Yes or No (if No, provide details)	
Copy of Invoice with Report? (circle) Yes or No	Job #:
Company:	PO / AFE:
Contact:	LSD:
Address:	
Phone: Fax:	Quote #:

Lab Work Order # (lab use only) L933287 | **ALS Contact:** | **Sampler:**

Analysis Request (Indicate Filtered or Preserved, F/P)

Sample #	Sample Identification (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	General Parameters	Total Metals	Dissolved Metals	Number of Containers
	MLS-8	9/16/10	18:00	H_2O	✓	✓	✓	3
	Morrison Creek	9/16/10	18:00	H_2O	✓	✓	✓	3
	Olympic Lake	9/16/10	18:00	H_2O	✓	✓	✓	3
	GROUND WATER WELL 1	"	"	"	✓			1

Special Instructions / Regulations / Hazardous Details

Dissolved Metals – Filter in Lab! Questions? Call Matt MacKinnon 778-868-2901

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

SHIPMENT RELEASE (client use)			SHIPMENT RECEPTION (lab use only)				SHIPMENT VERIFICATION (lab use only)			
Released by:	Date:	Time:	Received by:	Date:	Time:	Temperature:	Verified by:	Date:	Time:	Observations: Yes / No ? If Yes add SIF
			R. C	20 Sep 1	8:30	11.8 °C				

PACIFIC BOOKER MINERALS INC.
ATTN: Don Betton
1702 - 1166 ALBERNI ST.
VANCOUVER BC V6E 3Z3
Phone: 604-681-8556

Date Received: 20-SEP-10
Report Date: 29-SEP-10 17:41 (MT)
Version: FINAL

Certificate of Analysis

Lab Work Order #: L933296
Project P.O. #: NOT SUBMITTED
Job Reference:
Legal Site Desc:
C of C Numbers:

Comments: For some of the submitted water samples, the measured concentration of specific dissolved parameters is greater than the corresponding total parameters concentration. The explanation for these findings is one or a combination of the following:
- laboratory method variability;
- field sampling method variability;
- bias introduced during general handling, storage, transportation and/or analysis of the sample;
- field sample grab bias - where separate grab samples are processed to produce total and dissolved samples;
- field sample split bias - where total and dissolved parameters samples are produced from the same grab sample.

Andre Langlais
Account Manager

ALS LABORATORY GROUP ANALYTICAL REPORT

Grouping	Analyte	L933296-1	L933296-2	L933296-3	L933296-4	L933296-5
Sample ID		L933296-1	L933296-2	L933296-3	L933296-4	L933296-5
Description						
Sampled Date		15-SEP-10	16-SEP-10	14-SEP-10	13-SEP-10	15-SEP-10
Sampled Time		16:00	16:00	17:00	16:00	16:00
Client ID		MCS-1	MCS-4	MCS-6	BOOKER LAKE	MCS-5
WATER						
Physical Tests	Conductivity (uS/cm)	95.6	249	176	192	240
	Hardness (as CaCO3) (mg/L)	45.0	123	83.2	96.3	124
	pH (pH)	7.80	7.96	8.18	8.20	8.21
Anions and Nutrients	Alkalinity, Total (as CaCO3) (mg/L)	44.1	120	79.3	93.5	108
	Bromide (Br) (mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050
	Chloride (Cl) (mg/L)	<0.50	<0.50	<0.50	<0.50	<0.50
	Fluoride (F) (mg/L)	0.023	0.045	0.034	0.053	0.071
	Sulfate (SO4) (mg/L)	3.79	13.6	10.1	6.77	18.3
Total Metals	Aluminum (Al)-Total (mg/L)	0.0214	0.0362	0.0074	<0.0060 DLB	0.0084
	Antimony (Sb)-Total (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	0.000050
	Arsenic (As)-Total (mg/L)	0.000129	0.000274	0.000155	0.000700	0.00253
	Barium (Ba)-Total (mg/L)	0.0227	0.0591	0.0355	0.0350	0.0419
	Beryllium (Be)-Total (mg/L)	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
	Bismuth (Bi)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Boron (B)-Total (mg/L)	<0.0050 DLM	0.0059	0.0105	0.0096	0.0090
	Cadmium (Cd)-Total (mg/L)	<0.000017	0.00168	<0.000017	<0.000017	0.000042
	Calcium (Ca)-Total (mg/L)	14.9	41.1	30.7 DLM	32.4 DLM	39.8 DLM
	Chromium (Cr)-Total (mg/L)	0.00025	0.00022	<0.00050	<0.00050	<0.00050
	Cobalt (Co)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Copper (Cu)-Total (mg/L)	0.00092	0.00181	0.00041	0.00072	0.00963
	Iron (Fe)-Total (mg/L)	0.015	0.085	<0.010	0.014	0.056
	Lead (Pb)-Total (mg/L)	<0.000050	0.000105	<0.000050	<0.000050	<0.000050
	Lithium (Li)-Total (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	Magnesium (Mg)-Total (mg/L)	3.06	6.65	3.49	5.38	9.15
	Manganese (Mn)-Total (mg/L)	0.00137	0.0413	0.000358	0.00193	0.0150
	Mercury (Hg)-Total (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Molybdenum (Mo)-Total (mg/L)	<0.000050	0.000267	0.000110	0.000082	0.000911
	Nickel (Ni)-Total (mg/L)	0.00034	0.00045	0.00014	0.00057	0.00098
	Phosphorus (P)-Total (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30
	Potassium (K)-Total (mg/L)	0.287	0.681	0.353	0.437	0.882
	Selenium (Se)-Total (mg/L)	<0.00020 DLM	<0.00020 DLM	<0.00020 DLM	<0.00020 DLM	<0.00020 DLM
	Silicon (Si)-Total (mg/L)	3.74	4.86	2.79	1.80	2.73
	Silver (Ag)-Total (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Sodium (Na)-Total (mg/L)	1.61	2.51	2.61	2.51	2.99
	Strontium (Sr)-Total (mg/L)	0.0397	0.108	0.0594	0.0757	0.173
	Thallium (Tl)-Total (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Tin (Sn)-Total (mg/L)	<0.00010	0.00017	<0.00010	<0.00010	<0.00010

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS LABORATORY GROUP ANALYTICAL REPORT

	Sample ID	L933296-6	L933296-7			
	Description					
	Sampled Date	16-SEP-10				
	Sampled Time	17:00				
	Client ID	MORRISON LAKE	MCS-10			
Grouping	**Analyte**					
WATER						
Physical Tests	Conductivity (uS/cm)	63.5	108			
	Hardness (as CaCO3) (mg/L)	30.3	50.8			
	pH (pH)	7.82	7.85			
Anions and Nutrients	Alkalinity, Total (as CaCO3) (mg/L)	29.1	51.3			
	Bromide (Br) (mg/L)	<0.050	<0.050			
	Chloride (Cl) (mg/L)	<0.50	<0.50			
	Fluoride (F) (mg/L)	0.033	0.055			
	Sulfate (SO4) (mg/L)	2.44	2.18			
Total Metals	Aluminum (Al)-Total (mg/L)	0.0332	0.168			
	Antimony (Sb)-Total (mg/L)	<0.000050	<0.000050			
	Arsenic (As)-Total (mg/L)	0.000355	0.00126			
	Barium (Ba)-Total (mg/L)	0.0182	0.0373			
	Beryllium (Be)-Total (mg/L)	<0.00020	<0.00020			
	Bismuth (Bi)-Total (mg/L)	<0.00050	<0.00050			
	Boron (B)-Total (mg/L)	0.0073	0.0058			
	Cadmium (Cd)-Total (mg/L)	0.000030	0.000038			
	Calcium (Ca)-Total (mg/L)	9.77	15.3			
	Chromium (Cr)-Total (mg/L)	<0.00050 DLM	<0.00050 DLM			
	Cobalt (Co)-Total (mg/L)	<0.00010	0.00011			
	Copper (Cu)-Total (mg/L)	0.00181	0.00092			
	Iron (Fe)-Total (mg/L)	0.094	1.16			
	Lead (Pb)-Total (mg/L)	0.000083	0.000076			
	Lithium (Li)-Total (mg/L)	<0.0050	<0.0050			
	Magnesium (Mg)-Total (mg/L)	2.08	3.64			
	Manganese (Mn)-Total (mg/L)	0.00313	0.0855			
	Mercury (Hg)-Total (mg/L)	<0.000010	<0.000010			
	Molybdenum (Mo)-Total (mg/L)	0.000152	0.000146			
	Nickel (Ni)-Total (mg/L)	0.00064	0.00050			
	Phosphorus (P)-Total (mg/L)	<0.30	<0.30			
	Potassium (K)-Total (mg/L)	0.437	0.364			
	Selenium (Se)-Total (mg/L)	<0.00020 DLM	<0.00020 DLM			
	Silicon (Si)-Total (mg/L)	2.26	0.623			
	Silver (Ag)-Total (mg/L)	<0.000010	<0.000010			
	Sodium (Na)-Total (mg/L)	2.05	4.48			
	Strontium (Sr)-Total (mg/L)	0.0524	0.0667			
	Thallium (Tl)-Total (mg/L)	<0.000050	<0.000050			
	Tin (Sn)-Total (mg/L)	<0.00010	<0.00010			

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS LABORATORY GROUP ANALYTICAL REPORT

Grouping	Analyte	L933296-1 15-SEP-10 16:00 MCS-1	L933296-2 16-SEP-10 16:00 MCS-4	L933296-3 14-SEP-10 17:00 MCS-6	L933296-4 13-SEP-10 16:00 BOOKER LAKE	L933296-5 15-SEP-10 16:00 MCS-5
WATER						
Total Metals	Titanium (Ti)-Total (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010
	Uranium (U)-Total (mg/L)	0.000012	0.000047	0.000019	0.000022	0.000040
	Vanadium (V)-Total (mg/L)	<0.00050 DLM	<0.00050 DLM	<0.00050 DLM	<0.00050 DLM	<0.00050 DLM
	Zinc (Zn)-Total (mg/L)	<0.0010	0.0052	<0.0010	0.0017	<0.0010
Dissolved Metals	Aluminum (Al)-Dissolved (mg/L)	0.0259	0.0134	0.0056	0.0043	0.0379
	Antimony (Sb)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	0.000051
	Arsenic (As)-Dissolved (mg/L)	0.000148	0.000244	0.000143	0.000667	0.00287
	Barium (Ba)-Dissolved (mg/L)	0.0229	0.0568	0.0334	0.0335	0.0409
	Beryllium (Be)-Dissolved (mg/L)	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
	Bismuth (Bi)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Boron (B)-Dissolved (mg/L)	<0.0050 DLM	<0.0050 DLM	0.0071	0.0063	0.0078
	Cadmium (Cd)-Dissolved (mg/L)	0.000131	0.00195	<0.000017	<0.000017	0.000051
	Calcium (Ca)-Dissolved (mg/L)	13.5 DLM	38.9 DLM	28.0 DLM	30.1 DLM	35.9 DLM
	Chromium (Cr)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Cobalt (Co)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	0.00012
	Copper (Cu)-Dissolved (mg/L)	0.00136	0.00146	0.00033	0.00047	0.0137
	Iron (Fe)-Dissolved (mg/L)	0.021	0.056	<0.010	0.016	0.162
	Lead (Pb)-Dissolved (mg/L)	0.000093	0.000076	<0.000050	<0.000050	0.000082
	Lithium (Li)-Dissolved (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	Magnesium (Mg)-Dissolved (mg/L)	2.76	6.27	3.21	5.11	8.44
	Manganese (Mn)-Dissolved (mg/L)	0.00291	0.0385	0.000336	0.00188	0.0678
	Mercury (Hg)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Molybdenum (Mo)-Dissolved (mg/L)	<0.000050	0.000208	0.000094	0.000069	0.000681
	Nickel (Ni)-Dissolved (mg/L)	0.00031	0.00031	<0.00010	0.00040	0.00109
	Phosphorus (P)-Dissolved (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30
	Potassium (K)-Dissolved (mg/L)	0.279	0.466	0.319	0.378	0.825
	Selenium (Se)-Dissolved (mg/L)	<0.00020 DLM	<0.00020 DLM	<0.00020 DLM	<0.00020 DLM	<0.00020 DLM
	Silicon (Si)-Dissolved (mg/L)	3.59	4.72	2.73	1.77	2.57
	Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Sodium (Na)-Dissolved (mg/L)	1.52	2.23	2.43	2.38	2.81
	Strontium (Sr)-Dissolved (mg/L)	0.0362	0.100	0.0539	0.0699	0.154
	Thallium (Tl)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Tin (Sn)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	0.00014
	Titanium (Ti)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010
	Uranium (U)-Dissolved (mg/L)	<0.000010	0.000044	0.000018	0.000020	0.000035
	Vanadium (V)-Dissolved (mg/L)	<0.00050 DLM	<0.00050 DLM	<0.00050 DLM	<0.00050 DLM	<0.00050 DLM
	Zinc (Zn)-Dissolved (mg/L)	0.0036	0.0037	<0.0010	<0.0010	0.0028

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS LABORATORY GROUP ANALYTICAL REPORT

	Sample ID	L933296-6	L933296-7			
	Description					
	Sampled Date	16-SEP-10				
	Sampled Time	17:00				
	Client ID	MORRISON LAKE	MCS-10			
Grouping	**Analyte**					
WATER						
Total Metals	Titanium (Ti)-Total (mg/L)	<0.010	<0.010			
	Uranium (U)-Total (mg/L)	<0.000010	0.000014			
	Vanadium (V)-Total (mg/L)	<0.00050 DLM	0.00066			
	Zinc (Zn)-Total (mg/L)	0.0022	0.0014			
Dissolved Metals	Aluminum (Al)-Dissolved (mg/L)	0.0310	0.182			
	Antimony (Sb)-Dissolved (mg/L)	<0.000050	<0.000050			
	Arsenic (As)-Dissolved (mg/L)	0.000321	0.00131			
	Barium (Ba)-Dissolved (mg/L)	0.0173	0.0372			
	Beryllium (Be)-Dissolved (mg/L)	<0.00020	<0.00020			
	Bismuth (Bi)-Dissolved (mg/L)	<0.00050	<0.00050			
	Boron (B)-Dissolved (mg/L)	<0.0050 DLM	<0.0050 DLM			
	Cadmium (Cd)-Dissolved (mg/L)	0.000021	0.000072			
	Calcium (Ca)-Dissolved (mg/L)	8.97	14.4			
	Chromium (Cr)-Dissolved (mg/L)	<0.00050 DLM	<0.00050 DLM			
	Cobalt (Co)-Dissolved (mg/L)	<0.00010	0.00013			
	Copper (Cu)-Dissolved (mg/L)	0.00140	0.00104			
	Iron (Fe)-Dissolved (mg/L)	0.104	1.13			
	Lead (Pb)-Dissolved (mg/L)	0.000105	0.000123			
	Lithium (Li)-Dissolved (mg/L)	<0.0050	<0.0050			
	Magnesium (Mg)-Dissolved (mg/L)	1.92	3.63			
	Manganese (Mn)-Dissolved (mg/L)	0.00435	0.0927			
	Mercury (Hg)-Dissolved (mg/L)	<0.000010	<0.000010			
	Molybdenum (Mo)-Dissolved (mg/L)	0.000114	0.000129			
	Nickel (Ni)-Dissolved (mg/L)	0.00047	0.00057			
	Phosphorus (P)-Dissolved (mg/L)	<0.30	<0.30			
	Potassium (K)-Dissolved (mg/L)	0.401	0.352			
	Selenium (Se)-Dissolved (mg/L)	<0.00020 DLM	<0.00020 DLM			
	Silicon (Si)-Dissolved (mg/L)	2.18	0.522			
	Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010			
	Sodium (Na)-Dissolved (mg/L)	1.90	4.47			
	Strontium (Sr)-Dissolved (mg/L)	0.0468	0.0632			
	Thallium (Tl)-Dissolved (mg/L)	<0.000050	<0.000050			
	Tin (Sn)-Dissolved (mg/L)	<0.00010	<0.00010			
	Titanium (Ti)-Dissolved (mg/L)	<0.010	<0.010			
	Uranium (U)-Dissolved (mg/L)	<0.000010	0.000021			
	Vanadium (V)-Dissolved (mg/L)	<0.00050 DLM	0.00095			
	Zinc (Zn)-Dissolved (mg/L)	0.0012	0.0027			

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

Reference Information

Qualifiers for Individual Parameters Listed:

Qualifier	Description
DLB	Detection limit was raised due to detection of analyte at comparable level in Method Blank.
DLM	Detection Limit Adjusted For Sample Matrix Effects

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
ALK-COL-VA	Water	Alkalinity by Colourimetric (Automated)	APHA 310.2

This analysis is carried out using procedures adapted from EPA Method 310.2 "Alkalinity". Total Alkalinity is determined using the methyl orange colourimetric method.

ANIONS-BR-IC-VA	Water	Bromide by Ion Chromatography	APHA 4110 B.

This analysis is carried out using procedures adapted from APHA Method 4110 B. "Ion Chromatography with Chemical Suppression of Eluent Conductivity" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography".

ANIONS-CL-IC-VA	Water	Chloride by Ion Chromatography	APHA 4110 B.

This analysis is carried out using procedures adapted from APHA Method 4110 B. "Ion Chromatography with Chemical Suppression of Eluent Conductivity" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography".

ANIONS-F-IC-VA	Water	Fluoride by Ion Chromatography	APHA 4110 B.

This analysis is carried out using procedures adapted from APHA Method 4110 B. "Ion Chromatography with Chemical Suppression of Eluent Conductivity" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography".

ANIONS-SO4-IC-VA	Water	Sulfate by Ion Chromatography	APHA 4110 B.

This analysis is carried out using procedures adapted from APHA Method 4110 B. "Ion Chromatography with Chemical Suppression of Eluent Conductivity" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography".

EC-PCT-VA	Water	Conductivity (Automated)	APHA 2510 Auto. Conduc.

This analysis is carried out using procedures adapted from APHA Method 2510 "Conductivity". Conductivity is determined using a conductivity electrode.

FE-DIS-LOW-ICP-VA	Water	Dissolved Fe in Water by ICPOES	EPA SW-846 3005A/6010B

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedure involves filtration (EPA Method 3005A) and analysis by inductively coupled plasma - optical emission spectrophotometry (EPA Method 6010B).

FE-TOT-LOW-ICP-VA	Water	Total Fe in Water by ICPOES	EPA SW-846 3005A/6010B

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedures may involve preliminary sample treatment by acid digestion, using either hotblock or microwave oven (EPA Method 3005A). Instrumental analysis is by inductively coupled plasma - optical emission spectrophotometry (EPA Method 6010B).

HARDNESS-CALC-VA	Water	Hardness	APHA 2340B

Hardness is calculated from Calcium and Magnesium concentrations, and is expressed as calcium carbonate equivalents.

HG-DIS-LOW-CVAFS-VA	Water	Dissolved Mercury in Water by CVAFS(Low)	EPA SW-846 3005A & EPA 245.7

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedures may involve preliminary sample treatment by filtration (EPA Method 3005A) and involves a cold-oxidation of the acidified sample using bromine monochloride prior to reduction of the sample with stannous chloride. Instrumental analysis is by cold vapour atomic fluorescence spectrophotometry (EPA Method 245.7).

HG-TOT-LOW-CVAFS-VA	Water	Total Mercury in Water by CVAFS(Low)	EPA 245.7

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedure involves a cold-oxidation of the acidified sample using bromine monochloride prior to reduction of the sample with stannous chloride. Instrumental analysis is by cold vapour atomic fluorescence spectrophotometry (EPA Method 245.7).

MET-DIS-ICP-VA	Water	Dissolved Metals in Water by ICPOES	EPA SW-846 3005A/6010B

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedure involves filtration (EPA Method 3005A) and analysis by inductively coupled plasma - optical emission spectrophotometry (EPA Method 6010B).

MET-DIS-LOW-MS-VA	Water	Dissolved Metals in Water by ICPMS(Low)	EPA SW-846 3005A/6020A

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedures involves preliminary sample treatment by filtration (EPA Method 3005A). Instrumental analysis is by inductively coupled plasma - mass spectrometry (EPA Method 6020A).

Reference Information

MET-DIS-ULTRA-MS-VA Water Diss. Metals in Water by ICPMS (Ultra) EPA SW-846 3005A/6020A

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedures involves preliminary sample treatment by filtration (EPA Method 3005A). Instrumental analysis is by inductively coupled plasma - mass spectrometry (EPA Method 6020A).

MET-TOT-ICP-VA Water Total Metals in Water by ICPOES EPA SW-846 3005A/6010B

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedures may involve preliminary sample treatment by acid digestion, using either hotblock or microwave oven (EPA Method 3005A). Instrumental analysis is by inductively coupled plasma - optical emission spectrophotometry (EPA Method 6010B).

MET-TOT-LOW-MS-VA Water Total Metals in Water by ICPMS(Low) EPA SW-846 3005A/6020A

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedures may involve preliminary sample treatment by acid digestion, using either hotblock or microwave oven, or filtration (EPA Method 3005A). Instrumental analysis is by inductively coupled plasma - mass spectrometry (EPA Method 6020A).

MET-TOT-ULTRA-MS-VA Water Total Metals in Water by ICPMS (Ultra) EPA SW-846 3005A/6020A

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedures may involve preliminary sample treatment by acid digestion, using either hotblock or microwave oven, or filtration (EPA Method 3005A). Instrumental analysis is by inductively coupled plasma - mass spectrometry (EPA Method 6020A).

PH-PCT-VA Water pH by Meter (Automated) APHA 4500-H "pH Value"

This analysis is carried out using procedures adapted from APHA Method 4500-H "pH Value". The pH is determined in the laboratory using a pH electrode

It is recommended that this analysis be conducted in the field.

PH-PCT-VA Water pH by Meter (Automated) APHA 4500-H pH Value

This analysis is carried out using procedures adapted from APHA Method 4500-H "pH Value". The pH is determined in the laboratory using a pH electrode

It is recommended that this analysis be conducted in the field.

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
VA	ALS LABORATORY GROUP - VANCOUVER, BC, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogate A compound that is similar in behaviour to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.
mg/kg milligrams per kilogram based on dry weight of sample.
mg/kg wwt milligrams per kilogram based on wet weight of sample.
mg/kg lwt milligrams per kilogram based on lipid-adjusted weight of sample.
mg/L milligrams per litre.
< - Less than.
D.L. The reported Detection Limit, also known as the Limit of Reporting (LOR).
N/A Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as receieved by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Short Holding Time

ALS Environment

Rush Processing

ain of Custody / Analytical Request Form
Canada Toll Free: 1 800 668 9878
www.alsglobal.com

Report To	**Report Format / Distribution**	**Service Request** (Rush subject to availability - Contact ALS to confirm TAT)
Company: PACIFIC BOOKER MINERALS	Standard: ✓ Other (specify):	✓ Regular (Standard Turnaround Times - Business Days)
Contact: DON BETTON	Select: PDF ✓ Excel ✓ Digital ✓ Fax ✓	Priority(2-4 Business Days)-50% surcharge - Contact ALS to confirm TAT
Address: 1166 Alberni St Suite 1702 Vancouver BC CANADA V6E 3Z3	Email 1: d.betton@pacificbooker.com	Emergency (1-2 Business Days)-100% Surcharge - Contact ALS to confirm TAT
Phone: 604-681-8556 Fax: 604-687-3995	Email 2: bythebridge@gmail.com	Same Day or Weekend Emergency - Contact ALS to confirm TAT
Invoice To Same as Report ? (circle) Yes or No (if No, provide details)	**Client / Project Information**	**Analysis Request**
Copy of Invoice with Report? (circle) Yes or No	Job #:	(Indicate Filtered or Preserved, F/P)
Company:	PO / AFE:	
Contact:	LSD:	
Address:		
Phone: Fax:	Quote #:	
Lab Work Order # (lab use only) L933296	**ALS Contact:**	**Sampler:**

Sample #	Sample Identification (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	General Parameters	Total Metals	Dissolved Metals	Number of Containers
	MCS - 1	9/15	16:00	H_2O	✓	✓	✓	3
	MCS - 4	9/16	16:00		✓	✓	✓	3
	MCS - 6	9/14	17:00		✓	✓	✓	3
	Booker Lake	9/13	16:00		✓	✓	✓	3
	MCS - 5	9/15/2010	16:00		✓	✓	✓	3
	~~MCS - 8~~	~~9/16/10~~	~~17:00~~					3
	Morrison LAKE	9/15	16:00		✓	✓	✓	3
	MCS - 10	Sep 16, 10	17:00		✓	✓	✓	3

Special Instructions / Regulation with water or land use (CCME- Freshwater Aquatic Life/BC CSR-Commercial/AB Tier 1-Natural/etc) / Hazardous Details

Dissolved Metals - Filter in Lab!!!

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

SHIPMENT RELEASE (client use)			SHIPMENT RECEPTION (lab use only)				SHIPMENT VERIFICATION (lab use only)			
Released by:	Date:	Time:	Received by:	Date:	Time:	Temperature:	Verified by:	Date:	Time:	Observations: Yes / No ? If Yes add SIF
M. Mach	9/17/10	17:00	KC	20 Sept	8:30	1.8 °C				

ATTACHMENT 2

Site Photos

Photo 1 MLARD Cubes and Barrels at the Old PBM Camp

Photo 2 Weather Station Diagnostics

Photo 3 Shoreline near Proposed Diffuser Location

Photo 4 Morrison Creek during Spawning Survey Assessment

Photo 5 Morrison Creek during Spawning Survey Assessment at Morrison Lake

Photo 6 Morrison Creek during Spawning Survey Assessment

Photo 7 Morrison Lake South Basin Shoreline Spawning Survey

Photo 8 Fish Barrier at Olympic Creek

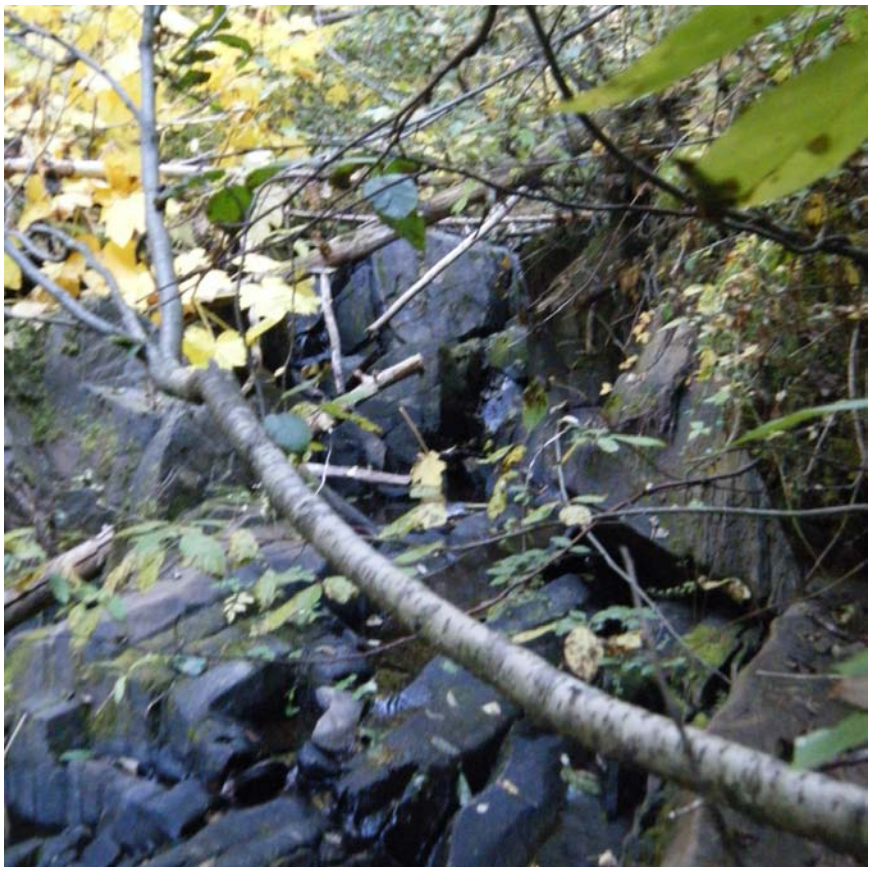


Photo 9 Fish Barrier at Olympic Creek, Large Boulder

Photo 10 Steeper Section of Olympic Creek, Possible Fish Barrier

ATTACHMENT 3

Weather Data

Client = Pacific Booker Minerals

NOTE: HEADINGS NOT VERIFIED

Array ID	Year	Julian Day	Hour Minute	(Column added by KCB) Date	Hourly Average Air Temperature (Celsius)	Hourly Average Relative Humidity (%)	15 Minute Average Wind Speed (m/s)	15 Minute Average Wind Direction (degrees)	15 Minute Standard Deviation for Wind Direction (degrees)	Hourly Total Precipitation (mm)				
60	2010	168	600	17-Jun-10	-72.8	19.78	1.847	263.5	26.73	1.847	263.5	33.38	0	0.69	-244
60	2010	168	700	17-Jun-10	-72.8	29.57	1.401	271.2	35.55	1.401	271.2	43.88	1.27	0.685	-229
60	2010	168	800	17-Jun-10	-72.8	28.91	1.485	263.8	34.67	1.485	263.8	39.83	0	0.675	-269
60	2010	168	900	17-Jun-10	-72.8	32.47	1.541	253.8	33.5	1.541	253.8	45.42	0	0.711	-233
60	2010	168	1000	17-Jun-10	-72.8	33.77	2.043	251	39.4	2.043	251	47.57	0	0.703	-205
60	2010	168	1100	17-Jun-10	-72.8	34.98	2.185	248.7	37.42	2.185	248.7	47.36	0	0.712	-213
60	2010	168	1200	17-Jun-10	-72.8	34.05	2.709	245.2	28.26	2.709	245.2	34.7	0	0.704	-229
60	2010	168	1300	17-Jun-10	-72.8	33.73	2.303	226.2	34.99	2.303	226.2	41.29	0	0.693	-269
60	2010	168	1400	17-Jun-10	-72.8	32.53	2.09	258.3	31.65	2.09	258.3	37.58	0	0.684	-217
60	2010	168	1500	17-Jun-10	-72.8	29.47	2.004	234.8	26.63	2.004	234.8	30.18	0	0.703	-216
60	2010	168	1600	17-Jun-10	-72.8	27.66	1.915	240.9	25.01	1.915	240.9	30.58	0	0.717	-205
60	2010	168	1700	17-Jun-10	-72.8	21.58	1.491	236	28.38	1.491	236	32.73	0	0.723	-436
60	2010	168	1800	17-Jun-10	-72.8	6.465	0.927	272.8	32.86	0.927	272.8	38.66	0	0.658	-184
60	2010	168	1900	17-Jun-10	-72.8	-14.83	0.886	342.8	14.11	0.886	342.8	18.35	0	0.631	-196
60	2010	168	2000	17-Jun-10	-72.8	-29.59	0.569	5.428	16.8	0.569	5.428	29.4	0	0.671	-237
60	2010	168	2100	17-Jun-10	-72.8	-36.44	0.664	23.95	8.19	0.664	23.95	13.04	0	0.659	-234
60	2010	168	2200	17-Jun-10	-72.8	-39.77	0.608	16.85	12.79	0.608	16.85	23.52	0	0.653	-279
60	2010	168	2300	17-Jun-10	-72.8	-40.8	0.467	5.428	13.34	0.467	5.428	24.89	0	0.659	-294
60	2010	168	2400	17-Jun-10	-72.8	-41.1	0.34	1.94	13.02	0.34	1.94	18.91	0	0.662	-288
60	2010	169	100	18-Jun-10	-72.8	-40.87	0.505	345.2	13.92	0.505	345.2	34.1	0	0.655	-253
60	2010	169	200	18-Jun-10	-72.8	-37.43	0.544	325.9	11.59	0.544	325.9	22.76	0	0.628	-236
60	2010	169	300	18-Jun-10	-72.8	-31.73	0.409	320.6	13.22	0.409	320.6	28.18	0	0.62	-205
60	2010	169	400	18-Jun-10	-72.8	-15.56	0.445	331.6	18.71	0.445	331.6	27.5	0	0.652	-180
60	2010	169	500	18-Jun-10	-72.8	2.809	1.262	289.5	31.57	1.262	289.5	39.28	0	0.672	-197
60	2010	169	600	18-Jun-10	-72.8	10.21	1.597	274.8	34.35	1.597	274.8	39.68	0	0.663	-204
60	2010	169	700	18-Jun-10	-72.8	13.69	1.486	258.9	33.02	1.486	258.9	48.58	0	0.703	-243
60	2010	169	800	18-Jun-10	-72.8	20.32	1.772	254.7	35.27	1.772	254.7	42.43	0	0.677	-220
60	2010	169	900	18-Jun-10	-72.8	25.75	1.914	262.8	30.39	1.914	262.8	44.31	0	0.669	-198
60	2010	169	1000	18-Jun-10	-72.8	29.19	1.964	258.5	32.21	1.964	258.5	41.11	0	0.669	-195
60	2010	169	1100	18-Jun-10	-72.8	30.66	2.16	236.4	33.05	2.16	236.4	44.98	0	0.748	-243
60	2010	169	1200	18-Jun-10	-72.8	30.15	2.745	164.4	29.56	2.745	164.4	36.44	0	0.729	-315
60	2010	169	1300	18-Jun-10	-72.8	29.1	2.502	175.5	34.66	2.502	175.5	39.52	0	0.685	-208
60	2010	169	1400	18-Jun-10	-72.8	27.56	2.164	203.7	32.66	2.164	203.7	43.72	0	0.727	-468
60	2010	169	1500	18-Jun-10	-72.8	25.64	2.197	222.4	28.29	2.197	222.4	38.07	0	0.732	-212
60	2010	169	1600	18-Jun-10	-72.8	21.7	1.636	229.6	31	1.636	229.6	36.44	0	0.716	-281
60	2010	169	1700	18-Jun-10	-72.8	13.85	1.578	253.6	23.74	1.578	253.6	25.29	0	0.702	-342
60	2010	169	1800	18-Jun-10	-72.8	1.221	1.229	272.5	22.25	1.229	272.5	24.34	0	0.689	-240
60	2010	169	1900	18-Jun-10	-72.8	-18.61	0.632	349.4	20.72	0.632	349.4	33.56	0	0.664	-211
60	2010	169	2000	18-Jun-10	-72.8	-32.6	0.566	2.992	15.86	0.566	2.992	21.53	0	0.662	-246
60	2010	169	2100	18-Jun-10	-72.8	-38.04	0.641	35.32	9.04	0.641	35.32	16.07	0	0.652	-288
60	2010	169	2200	18-Jun-10	-72.8	-40.34	0.293	358.3	9.47	0.293	358.3	22.07	0	0.664	-236
60	2010	169	2300	18-Jun-10	-72.8	-41.15	0.358	1.625	14.29	0.358	1.625	25.76	0	0.659	-244
60	2010	169	2400	18-Jun-10	-72.8	-40.64	0.414	31.68	13.53	0.414	31.68	32.01	0	0.644	-285
60	2010	170	100	19-Jun-10	-72.8	-39.49	0.494	8.12	18.44	0.494	8.12	37.45	0	0.63	-305
60	2010	170	200	19-Jun-10	-72.8	-31.46	0.404	13.97	9.2	0.404	13.97	31.59	0	0.643	-565
60	2010	170	300	19-Jun-10	-72.8	-23.92	0.345	355.6	11.93	0.345	355.6	27.97	0	0.657	-299
60	2010	170	400	19-Jun-10	-72.8	-21.74	0.267	323.6	19.92	0.267	323.6	30.76	0	0.64	-206
60	2010	170	500	19-Jun-10	-72.8	7.49	0.618	326.7	31.07	0.618	326.7	37.63	0	0.667	-281
60	2010	170	600	19-Jun-10	-72.8	14.48	1.103	292	30.81	1.103	292	41.51	0	0.687	-211
60	2010	170	700	19-Jun-10	-72.8	16.47	1.043	326.3	40.02	1.043	326.3	60.06	0	0.671	-199
60	2010	170	800	19-Jun-10	-72.8	20.94	1.07	233.2	47.09	1.07	233.2	78.7	0	0.682	-279
60	2010	170	900	19-Jun-10	-72.8	26.1	1.304	251.8	40.92	1.304	251.8	61.06	0	0.72	-452
60	2010	170	1000	19-Jun-10	-72.8	28.28	1.992	238.3	36.62	1.992	238.3	47.67	0	0.69	-196
60	2010	170	1100	19-Jun-10	-72.8	29.91	2.341	252.8	33.32	2.341	252.8	38.99	0	0.707	-236
60	2010	170	1200	19-Jun-10	-72.8	30.26	2.2	207.2	38.2	2.2	207.2	45.78	0	0.74	-279
60	2010	170	1300	19-Jun-10	-72.8	29.28	2.47	193.7	32.78	2.47	193.7	37.73	0	0.722	-364
60	2010	170	1400	19-Jun-10	-72.8	27.3	2.307	199	30.07	2.307	199	36.24	0	0.733	-244
60	2010	170	1500	19-Jun-10	-72.8	26.38	1.965	220.1	31.14	1.965	220.1	35.55	0	0.702	-287
60	2010	170	1600	19-Jun-10	-72.8	22.87	1.987	232.9	26.44	1.987	232.9	30.97	0	0.694	-201
60	2010	170	1700	19-Jun-10	-72.8	16.89	1.73	241	25.16	1.73	241	26.99	0	0.704	-270
60	2010	170	1800	19-Jun-10	-72.8	6.025	1.175	274.1	23.87	1.175	274.1	25.22	0	0.663	-204
60	2010	170	1900	19-Jun-10	-72.8	-16.39	1.035	339.6	15.69	1.035	339.6	20.71	0	0.703	-271
60	2010	170	2000	19-Jun-10	-72.8	-31.07	0.392	12.85	15.42	0.392	12.85	20.93	0	0.699	-242
60	2010	170	2100	19-Jun-10	-72.8	-38.11	0.509	358.9	14.61	0.509	358.9	22.14	0	0.677	-248
60	2010	170	2200	19-Jun-10	-72.8	-40.93	0.519	349.7	14.07	0.519	349.7	18.99	0	0.677	-276
60	2010	170	2300	19-Jun-10	-72.8	-41.84	0.72	11.85	10.31	0.72	11.85	13.99	0	0.677	-209
60	2010	170	2400	19-Jun-10	-72.8	-41.68	0.648	11.5	14.76	0.648	11.5	20.16	0	0.674	-207
60	2010	171	100	20-Jun-10	-72.8	-40.83	0.554	15.55	10.73	0.554	15.55	15.36	0	0.666	-210
60	2010	171	200	20-Jun-10	-72.8	-37.03	0.357	29.22	11.5	0.357	29.22	27.62	0	0.656	-236
60	2010	171	300	20-Jun-10	-72.8	-34.02	0.287	16.71	6.965	0.287	16.71	22.29	0	0.655	-291
60	2010	171	400	20-Jun-10	-72.8	-26.14	0.25	350.8	5.644	0.25	350.8	14.29	0	0.661	-208
60	2010	171	500	20-Jun-10	-72.8	3.926	1.079	284.9	31.26	1.079	284.9	39.3	0	0.674	-206
60	2010	171	600	20-Jun-10	-72.8	11.04	1.603	270.6	27.93	1.603	270.6	36.61	0	0.697	-277
60	2010	171	700	20-Jun-10	-72.8	13.31	1.287	278.4	37.45	1.287	278.4	49	0	0.742	-288
60	2010	171	800	20-Jun-10	-72.8	18.76	1.126	287.1	41.05	1.126	287.1	62.93	0	0.709	-248
60	2010	171	900	20-Jun-10	-72.8	22.5	1.311	174.7	37.85	1.311	174.7	61.05	0	0.721	-452
60	2010	171	1000	20-Jun-10	-72.8	26.63	1.477	290.8	36.52	1.477	290.8	62.77	0	0.68	-245
60	2010	171	1100	20-Jun-10	-72.8	28.4	1.703	144	37.86	1.703	144	67.84	0	0.697	-234
60	2010	171	1200	20-Jun-10	-72.8	29.57	1.988	162.6	36.62	1.988	162.6	49.31	0	0.699	-496
60	2010	171	1300	20-Jun-10	-72.8	29.97	1.974	177.7	34.35	1.974	177.7	44.2	0	0.734	-232
60	2010	171	1400	20-Jun-10	-72.8	28.33	2.036	185.6	33.25	2.036	185.6	38.89	0	0.687	-248
60	2010	171	1500	20-Jun-10	-72.8	26.5	1.749	206.9	29.9	1.749	206.9	33.96	0	0.679	-174
60	2010	171	1600	20-Jun-10	-72.8	23.15	1.584	202.5	33.57	1.584	202.5	36.68	0	0.71	-271
60	2010	171	1700	20-Jun-10	-72.8	17.01	1.356	228.2	28.23	1.356	228.2	31.86	0	0.664	-199
60	2010	171	1800	20-Jun-10	-72.8	3.845	0.809	295.7	17.86	0.809	295.7	20.38	0	0.688	-280
60	2010	171	1900	20-Jun-10	-72.8	-20.26	0.621	337.8	18.59	0.621	337.8	22.29	0	0.678	-207
60	2010	171	2000	20-Jun-10	-72.8	-33.49	0.688	356.1	19.37	0.688	356.1	30.43	0	0.68	-228
60	2010	171	2100	20-Jun-10	-72.8	-38.49	0.618	3.465	20.44	0.618	3.465	27.33	0	0.678	-227
60	2010	171	2200	20-Jun-10	-72.8	-40.6	0.685	32.15	11.05	0.685	32.15	20.76	0	0.664	-231
60	2010	171	2300	20-Jun-10	-72.8	-41.48	0.426	10.04	19.61	0.426	10.04	30.42	0	0.657	-241
60	2010	171	2400	20-Jun-10	-72.8	-41.27	0.547	25.68	13.03	0.547	25.68	23.18	0	0.656	-241
60	2010	172	100	21-Jun-10	-72.8	-40.85	0.53	20.07	14.36	0.53	20.07	25.26	0	0.651	-407

Client = Pacific Booker Minerals

NOTE: HEADINGS NOT VERIFIED

Array ID	Year	Julian Day	Hour Minute	(Column added by KCB) Date	Hourly Average Air Temperature (Celsius)	Hourly Average Relative Humidity (%)	15 Minute Average Wind Speed (m/s)	15 Minute Average Wind Direction (degrees)	15 Minute Standard Deviation for Wind Direction (degrees)	Hourly Total Precipitation (mm)				
60	2010	172	200	21-Jun-10	-72.8	-38.3	0.46	356.4	20.04	0.46	356.4	28.85	0	0.659	-239
60	2010	172	300	21-Jun-10	-72.8	-35.31	0.455	355.1	16.19	0.455	355.1	30.06	0	0.661	-235
60	2010	172	400	21-Jun-10	-72.8	-26.36	0.276	346.5	9.64	0.276	346.5	25.77	0	0.643	-214
60	2010	172	500	21-Jun-10	-72.8	1.53	0.579	315.9	25.77	0.579	315.9	41.08	0	0.678	-235
60	2010	172	600	21-Jun-10	-72.8	12.75	1.125	300.8	29.89	1.125	300.8	50.28	0	0.722	-392
60	2010	172	700	21-Jun-10	-72.8	13.63	1.034	121.6	35.58	1.034	121.6	66.84	0	0.7	-211
60	2010	172	800	21-Jun-10	-72.8	10.43	1.399	104.9	34.22	1.399	104.9	48.24	0	0.693	-279
60	2010	172	900	21-Jun-10	-72.8	6.111	1.779	113	31.55	1.779	113	33.78	0	0.688	-289
60	2010	172	1000	21-Jun-10	-72.8	15.95	1.678	92.8	44.13	1.678	92.8	66.5	0	0.683	-204
60	2010	172	1100	21-Jun-10	-72.8	21.71	1.529	117.8	37.15	1.529	117.8	60.85	0	0.702	-206
60	2010	172	1200	21-Jun-10	-72.8	12.85	1.247	141.6	43.56	1.247	141.6	56.36	0	0.705	-207
60	2010	172	1300	21-Jun-10	-72.8	15.46	2.269	121.7	29.12	2.269	121.7	32.2	0	0.71	-243
60	2010	172	1400	21-Jun-10	-72.8	15.71	1.716	140.6	30.04	1.716	140.6	33.39	0	0.702	-234
60	2010	172	1500	21-Jun-10	-72.8	12.74	2.03	162.5	32.83	2.03	162.5	37.37	0	0.708	-205
60	2010	172	1600	21-Jun-10	-72.8	14.54	2.173	208.3	34.52	2.173	208.3	36.8	0	0.707	-230
60	2010	172	1700	21-Jun-10	-72.8	6.087	1.987	191.8	31.56	1.987	191.8	35.21	0	0.697	-247
60	2010	172	1800	21-Jun-10	-72.8	-10.73	1.389	168.6	32.92	1.389	168.6	37.11	0	0.718	-245
60	2010	172	1900	21-Jun-10	-72.8	-27.5	0.77	79	16.62	0.77	79	19.45	0	0.646	-197
60	2010	172	2000	21-Jun-10	-72.8	-35.97	0.572	24.02	14.17	0.572	24.02	25.8	0	0.642	-197
60	2010	172	2100	21-Jun-10	-72.8	-39.7	0.647	42.75	18.26	0.647	42.75	24.41	0	0.627	-195
60	2010	172	2200	21-Jun-10	-72.8	-41.16	0.948	53.19	28.65	0.948	53.19	47.04	0	0.644	-231
60	2010	172	2300	21-Jun-10	-72.8	-39.88	0.728	40.3	13.95	0.728	40.3	29.3	0	0.654	-318
60	2010	172	2400	21-Jun-10	-72.8	-39.41	0.574	32.12	9.75	0.574	32.12	24.05	0	0.651	-349
60	2010	173	100	22-Jun-10	-72.8	-40.33	0.352	15.15	17.82	0.352	15.15	36.02	0	0.658	-244
60	2010	173	200	22-Jun-10	-72.8	-38.81	0.388	24.9	8.54	0.388	24.9	22.96	0	0.663	-239
60	2010	173	300	22-Jun-10	-72.8	-35.33	0.38	13.19	5.999	0.38	13.19	24.77	0	0.663	-276
60	2010	173	400	22-Jun-10	-72.8	-22.4	0.304	350.6	12.81	0.304	350.6	25	0	0.698	-241
60	2010	173	500	22-Jun-10	-72.8	-4.481	0.312	40.88	29.45	0.312	40.88	62.13	0	0.699	-270
60	2010	173	600	22-Jun-10	-72.8	-0.902	0.737	269.9	33.2	0.737	269.9	49.62	0	0.691	-237
60	2010	173	700	22-Jun-10	-72.8	-0.973	1.148	344.7	30.65	1.148	344.7	50.66	0	0.687	-239
60	2010	173	800	22-Jun-10	-72.8	2.808	1.29	12.82	34.32	1.29	12.82	54.97	0	0.68	-197
60	2010	173	900	22-Jun-10	-72.8	5.818	1.522	82.7	33.84	1.522	82.7	40.54	0	0.687	-200
60	2010	173	1000	22-Jun-10	-72.8	8.41	1.39	121.2	40.37	1.39	121.2	59.23	0	0.67	-196
60	2010	173	1100	22-Jun-10	-72.8	3.696	1.478	173.8	33.85	1.478	173.8	46.43	0	0.681	-235
60	2010	173	1200	22-Jun-10	-72.8	11.67	1.502	140.9	35.95	1.502	140.9	47.25	0	0.693	-216
60	2010	173	1300	22-Jun-10	-72.8	5.88	1.156	110.3	27.65	1.156	110.3	33.65	0	0.694	-297
60	2010	173	1400	22-Jun-10	-72.8	2.106	1.186	80.2	31.45	1.186	80.2	40.58	0	0.754	-315
60	2010	173	1500	22-Jun-10	-72.8	0.226	0.787	107.7	24.04	0.787	107.7	35.62	0	0.683	-227
60	2010	173	1600	22-Jun-10	-72.8	-2.429	1.042	124	26.53	1.042	124	30.85	0	0.677	-224
60	2010	173	1700	22-Jun-10	-72.8	-8.82	0.667	177.2	34.41	0.667	177.2	45.38	0	0.678	-199
60	2010	173	1800	22-Jun-10	-72.8	-11.58	0.339	49.32	17.65	0.339	49.32	31.47	0	0.691	-422
60	2010	173	1900	22-Jun-10	-72.8	-16.09	0.526	43.75	11.2	0.526	43.75	16.98	0	0.655	-199
60	2010	173	2000	22-Jun-10	-72.8	-23.24	0.548	47.51	11.85	0.548	47.51	26.32	0	0.662	-387
60	2010	173	2100	22-Jun-10	-72.8	-28.96	0.344	5.127	6.834	0.344	5.127	15	0	0.679	-276
60	2010	173	2200	22-Jun-10	-72.8	-31.58	0.576	37.59	10.46	0.576	37.59	18.41	0	0.662	-416
60	2010	173	2300	22-Jun-10	-72.8	-28.2	0.79	52.85	9.99	0.79	52.85	12.22	0	0.631	-197
60	2010	173	2400	22-Jun-10	-72.8	-28.3	0.432	21.23	10.38	0.432	21.23	29.69	0	0.63	-198
60	2010	174	100	23-Jun-10	-72.8	-28.8	0.429	7.05	7.73	0.429	7.05	27.94	0	0.628	-197
60	2010	174	200	23-Jun-10	-72.8	-29.64	0.588	45.63	11.48	0.588	45.63	22.23	0	0.633	-200
60	2010	174	300	23-Jun-10	-72.8	-25.87	0.351	359.8	6.968	0.351	359.8	21.44	0	0.64	-204
60	2010	174	400	23-Jun-10	-72.8	-18.22	0.288	334.5	5.998	0.288	334.5	24.26	0	0.657	-236
60	2010	174	500	23-Jun-10	-72.8	9.01	0.357	212.4	27.18	0.357	212.4	36.15	0	0.689	-281
60	2010	174	600	23-Jun-10	-72.8	20.78	0.77	144.3	25.14	0.77	144.3	35.74	0	0.688	-241
60	2010	174	700	23-Jun-10	-72.8	23.17	0.715	181.5	30.89	0.715	181.5	63.5	0	0.662	-197
60	2010	174	800	23-Jun-10	-72.8	26.48	1.21	190.7	37.9	1.21	190.7	75.5	0	0.687	-272
60	2010	174	900	23-Jun-10	-72.8	18.12	1.5	94.2	27.11	1.5	94.2	39.12	0	0.67	-194
60	2010	174	1000	23-Jun-10	-72.8	16.56	1.998	102.3	31.05	1.998	102.3	40.46	0	0.713	-428
60	2010	174	1100	23-Jun-10	-72.8	20.76	1.65	109.6	36.88	1.65	109.6	46.38	0	0.685	-202
60	2010	174	1200	23-Jun-10	-72.8	14.56	1.688	259.8	26.39	1.688	259.8	29.89	0	0.665	-194
60	2010	174	1300	23-Jun-10	-72.8	13.99	0.951	206.8	33.71	0.951	206.8	43.39	0	0.674	-546
60	2010	174	1400	23-Jun-10	-72.8	16.15	1	194.8	26.63	1	194.8	39.72	0	0.664	-194
60	2010	174	1500	23-Jun-10	-72.8	11.25	1.508	107.2	28.4	1.508	107.2	50.64	0	0.671	-197
60	2010	174	1600	23-Jun-10	-72.8	6.801	1.066	116.5	22.77	1.066	116.5	29.99	0	0.683	-285
60	2010	174	1700	23-Jun-10	-72.8	5.101	0.823	123.8	20.97	0.823	123.8	24.56	0	0.673	-200
60	2010	174	1800	23-Jun-10	-72.8	-1.007	0.728	110.9	25.72	0.728	110.9	38.12	0	0.669	-236
60	2010	174	1900	23-Jun-10	-72.8	-3.146	0.531	351.9	10.8	0.531	351.9	21.48	0	0.653	-195
60	2010	174	2000	23-Jun-10	-72.8	-3.92	0.339	319.3	14.69	0.339	319.3	30.59	0	0.663	-204
60	2010	174	2100	23-Jun-10	-72.8	-3.436	0.283	14.87	8.66	0.283	14.87	18.51	0	0.662	-232
60	2010	174	2200	23-Jun-10	-72.8	-4.188	0.353	20.74	4.644	0.353	20.74	12.57	0	0.665	-212
60	2010	174	2300	23-Jun-10	-72.8	-5.725	0.308	27.73	4.248	0.308	27.73	14.79	0	0.662	-214
60	2010	174	2400	23-Jun-10	-72.8	-6.163	0.34	43.32	5.844	0.34	43.32	11.38	0	0.662	-203
60	2010	175	100	24-Jun-10	-72.8	-4.818	0.255	30.66	5.797	0.255	30.66	11.71	0	0.664	-205
60	2010	175	200	24-Jun-10	-72.8	-1.895	0.175	32.53	4.5	0.175	32.53	12.48	1.016	0.645	-211
60	2010	175	300	24-Jun-10	-72.8	2.737	0.174	14.02	4.197	0.174	14.02	9.02	1.778	0.674	-240
60	2010	175	400	24-Jun-10	-72.8	7.68	0.367	251.1	10.95	0.367	251.1	21.08	0.762	0.659	-203
60	2010	175	500	24-Jun-10	-72.8	11.69	0.341	231.3	16.89	0.341	231.3	23.24	0.508	0.658	-254
60	2010	175	600	24-Jun-10	-72.8	12.08	0.354	174.9	14.53	0.354	174.9	28.38	3.81	0.694	-250
60	2010	175	700	24-Jun-10	-72.8	14.34	0.297	321.9	15.36	0.297	321.9	24.59	2.286	0.662	-227
60	2010	175	800	24-Jun-10	-72.8	14.78	0.472	138	20.39	0.472	138	40.62	3.048	0.66	-225
60	2010	175	900	24-Jun-10	-72.8	22.1	1.206	328.3	25.94	1.206	328.3	39.91	0	0.649	-203
60	2010	175	1000	24-Jun-10	-72.8	28.65	1.13	307.2	30.97	1.13	307.2	38.61	0	0.666	-173
60	2010	175	1100	24-Jun-10	-72.8	31.93	1.255	275.3	41.63	1.255	275.3	51.61	0	0.663	-224
60	2010	175	1200	24-Jun-10	-72.8	29.14	1.81	336.1	30.86	1.81	336.1	43.29	4.318	0.686	-240
60	2010	175	1300	24-Jun-10	-72.8	14	1.249	33.1	18.91	1.249	33.1	24.56	9.91	0.787	-443
60	2010	175	1400	24-Jun-10	-72.8	22.75	0.842	274.3	24.59	0.842	274.3	37.01	0	0.687	-404
60	2010	175	1500	24-Jun-10	-72.8	26.3	0.868	268	25.38	0.868	268	42.22	0	0.698	-282
60	2010	175	1600	24-Jun-10	-72.8	28.33	1.063	263.6	26.51	1.063	263.6	30.51	0	0.719	-246
60	2010	175	1700	24-Jun-10	-72.8	25.96	1.246	260.2	25.65	1.246	260.2	29.21	0	0.707	-283
60	2010	175	1800	24-Jun-10	-72.8	20.71	0.501	247	25.68	0.501	247	36.67	0	0.643	-197
60	2010	175	1900	24-Jun-10	-72.8	14.83	0.414	324.2	16.14	0.414	324.2	22.54	0	0.667	-334
60	2010	175	2000	24-Jun-10	-72.8	6.705	0.319	9.01	12.45	0.319	9.01	27.49	0	0.65	-263
60	2010	175	2100	24-Jun-10	-72.8	0.264	0.397	343	11.44	0.397	343	16.37	0	0.654	-304

Client = Pacific Booker Minerals

NOTE: HEADINGS NOT VERIFIED

Array ID	Year	Julian Day	Hour Minute	(Column added by KCB) Date	Hourly Average Air Temperature (Celsius)	Hourly Average Relative Humidity (%)	15 Minute Average Wind Speed (m/s)	15 Minute Average Wind Direction (degrees)	15 Minute Standard Deviation for Wind Direction (degrees)	Hourly Total Precipitation (mm)				
60	2010	175	2200	24-Jun-10	-72.8	-3.636	0.257	342.8	7.76	0.257	342.8	18.1	0	0.649	-331
60	2010	175	2300	24-Jun-10	-72.8	-5.005	0.294	5.723	7.11	0.294	5.723	14.09	0	0.653	-308
60	2010	175	2400	24-Jun-10	-72.8	-3.471	0.348	340.9	10.03	0.348	340.9	18.43	0	0.671	-472
60	2010	176	100	25-Jun-10	-72.8	-1.084	0.762	320.3	19.94	0.762	320.3	22.02	0	0.69	-280
60	2010	176	200	25-Jun-10	-72.8	-0.739	0.754	318.9	14.2	0.754	318.9	15.25	0	0.687	-455
60	2010	176	300	25-Jun-10	-72.8	2.225	0.972	309	22.9	0.972	309	23.93	0	0.681	-285
60	2010	176	400	25-Jun-10	-72.8	2.27	0.957	295.3	21.42	0.957	295.3	24.27	0.254	0.677	-236
60	2010	176	500	25-Jun-10	-72.8	0.761	0.906	306.3	23.84	0.906	306.3	26.63	0.254	0.677	-236
60	2010	176	600	25-Jun-10	-72.8	2.081	1.435	299.9	24.31	1.435	299.9	27.2	0.762	0.667	-207
60	2010	176	700	25-Jun-10	-72.8	4.879	1.411	301.3	22.29	1.411	301.3	25.22	0.254	0.673	-236
60	2010	176	800	25-Jun-10	-72.8	11.45	1.247	281.1	24.84	1.247	281.1	29.35	0	0.646	-177
60	2010	176	900	25-Jun-10	-72.8	14.7	1.086	292.9	23.59	1.086	292.9	31.13	0	0.734	-369
60	2010	176	1000	25-Jun-10	-72.8	15.8	1.31	302.1	24.13	1.31	302.1	27.84	0	0.687	-543
60	2010	176	1100	25-Jun-10	-72.8	17.72	0.682	294.5	27.24	0.682	294.5	35.66	0.254	0.705	-274
60	2010	176	1200	25-Jun-10	-72.8	21.86	1.451	277.9	30.88	1.451	277.9	33.86	0	0.653	-258
60	2010	176	1300	25-Jun-10	-72.8	22.19	1.704	271.9	25.71	1.704	271.9	28.62	0	0.69	-272
60	2010	176	1400	25-Jun-10	-72.8	20.52	1.559	291.9	24.29	1.559	291.9	27.62	0	0.66	-200
60	2010	176	1500	25-Jun-10	-72.8	21.96	1.702	263.3	24.19	1.702	263.3	28.3	0	0.694	-363
60	2010	176	1600	25-Jun-10	-72.8	17.92	1.132	270.5	21.97	1.132	270.5	25.59	0	0.697	-507
60	2010	176	1700	25-Jun-10	-72.8	14.23	0.995	294.4	25.11	0.995	294.4	27.16	0	0.693	-593
60	2010	176	1800	25-Jun-10	-72.8	10.09	0.479	342	12.37	0.479	342	17.73	0	0.652	-203
60	2010	176	1900	25-Jun-10	-72.8	5.829	0.202	344	17.01	0.202	344	33.15	0	0.65	-206
60	2010	176	2000	25-Jun-10	-72.8	2.334	0.38	30.26	13.49	0.38	30.26	23.01	0	0.666	-274
60	2010	176	2100	25-Jun-10	-72.8	1.161	0.841	320.8	15.44	0.841	320.8	19.58	0	0.67	-321
60	2010	176	2200	25-Jun-10	-72.8	1.498	0.824	304	23.58	0.824	304	25.28	0	0.66	-239
60	2010	176	2300	25-Jun-10	-72.8	-1.898	0.591	322.7	20.56	0.591	322.7	24.15	0	0.677	-464
60	2010	176	2400	25-Jun-10	-72.8	-7.6	0.671	338.1	12.4	0.671	338.1	14.57	0	0.662	-593
60	2010	177	100	26-Jun-10	-72.8	-22.11	0.702	347.7	7.77	0.702	347.7	9.83	0	0.644	-280
60	2010	177	200	26-Jun-10	-72.8	-29.33	0.477	359	4.436	0.477	359	9.7	0	0.653	-276
60	2010	177	300	26-Jun-10	-72.8	-29.03	0.343	354	9.1	0.343	354	15.33	0	0.763	-275
60	2010	177	400	26-Jun-10	-72.8	-16.61	0.803	338.6	16.88	0.803	338.6	19.36	0	0.658	-241
60	2010	177	500	26-Jun-10	-72.8	8.6	1.185	308.6	26.78	1.185	308.6	38.98	0	0.669	-232
60	2010	177	600	26-Jun-10	-72.8	18.29	1.038	308.1	31.81	1.038	308.1	67.7	0	0.675	-206
60	2010	177	700	26-Jun-10	-72.8	21.34	0.816	32.53	30.86	0.816	32.53	47.32	0	0.671	-268
60	2010	177	800	26-Jun-10	-72.8	25.23	1.564	103.7	34.35	1.564	103.7	43.79	0	0.698	-207
60	2010	177	900	26-Jun-10	-72.8	29.68	1.606	159	41.06	1.606	159	59.32	0	0.663	-173
60	2010	177	1000	26-Jun-10	-72.8	32.87	1.888	150.1	35.62	1.888	150.1	45.02	0	0.676	-227
60	2010	177	1100	26-Jun-10	-72.8	33.23	1.715	207.2	32.29	1.715	207.2	42.97	0	0.673	-174
60	2010	177	1200	26-Jun-10	-72.8	32.36	1.359	146	35.1	1.359	146	53.44	0	0.762	-283
60	2010	177	1300	26-Jun-10	-72.8	32.75	1.333	208.4	35.01	1.333	208.4	54.91	0	0.707	-250
60	2010	177	1400	26-Jun-10	-72.8	33.77	1.847	175.1	29.8	1.847	175.1	36.5	0	0.688	-278
60	2010	177	1500	26-Jun-10	-72.8	32.47	1.52	162.2	33.87	1.52	162.2	36.78	0	0.737	-285
60	2010	177	1600	26-Jun-10	-72.8	24.56	1.508	162	36.43	1.508	162	41.93	0	0.662	-198
60	2010	177	1700	26-Jun-10	-72.8	17.46	1.146	109.5	24.66	1.146	109.5	33.62	0	0.687	-530
60	2010	177	1800	26-Jun-10	-72.8	11.57	0.992	130.6	21.89	0.992	130.6	25.14	0	0.65	-202
60	2010	177	1900	26-Jun-10	-72.8	3.648	0.185	91.6	13.65	0.185	91.6	22.07	0	0.688	-365
60	2010	177	2000	26-Jun-10	-72.8	-1.142	0.389	86	27.92	0.389	86	49.21	0	0.662	-320
60	2010	177	2100	26-Jun-10	-72.8	-5.082	0.476	26.88	8.93	0.476	26.88	31.3	0	0.653	-252
60	2010	177	2200	26-Jun-10	-72.8	-14.22	0.581	32.71	8.63	0.581	32.71	15.34	0	0.652	-285
60	2010	177	2300	26-Jun-10	-72.8	-20.33	0.421	38.26	7.22	0.421	38.26	13.16	0	0.658	-251
60	2010	177	2400	26-Jun-10	-72.8	-25.06	0.611	39.99	8.65	0.611	39.99	15.28	0	0.663	-235
60	2010	178	100	27-Jun-10	-72.8	-28.69	0.671	41.55	11.03	0.671	41.55	28.49	0	0.674	-240
60	2010	178	200	27-Jun-10	-72.8	-26.51	0.541	58.84	10.2	0.541	58.84	31	0	0.671	-214
60	2010	178	300	27-Jun-10	-72.8	-26.85	0.844	66.11	15.72	0.844	66.11	25.87	0	0.667	-237
60	2010	178	400	27-Jun-10	-72.8	-13.48	1.197	92.1	32.93	1.197	92.1	37.68	0	0.717	-422
60	2010	178	500	27-Jun-10	-72.8	8.18	1.275	100.3	28.96	1.275	100.3	40.17	0	0.646	-195
60	2010	178	600	27-Jun-10	-72.8	18.26	1.177	120.3	32.02	1.177	120.3	46.25	0	0.759	-282
60	2010	178	700	27-Jun-10	-72.8	22.82	1.956	113.4	31.71	1.956	113.4	34.98	0	0.685	-274
60	2010	178	800	27-Jun-10	-72.8	19.44	1.372	76.2	31.21	1.372	76.2	59.09	0.508	0.657	-196
60	2010	178	900	27-Jun-10	-72.8	17.12	1.566	42.92	27.91	1.566	42.92	32.94	0	0.678	-208
60	2010	178	1000	27-Jun-10	-72.8	22.48	1.062	72.6	28.06	1.062	72.6	44.33	0	0.698	-291
60	2010	178	1100	27-Jun-10	-72.8	19.19	1.984	60.24	29.18	1.984	60.24	45.95	1.778	0.701	-272
60	2010	178	1200	27-Jun-10	-72.8	11.93	0.951	62.94	25.91	0.951	62.94	35.16	0.508	0.685	-217
60	2010	178	1300	27-Jun-10	-72.8	24.25	0.765	124	27.6	0.765	124	53.24	0	0.687	-239
60	2010	178	1400	27-Jun-10	-72.8	25.56	1.818	260.6	30.46	1.818	260.6	44.44	0	0.676	-208
60	2010	178	1500	27-Jun-10	-72.8	17.34	1.156	348.6	21	1.156	348.6	45.97	0.508	0.663	-279
60	2010	178	1600	27-Jun-10	-72.8	13.65	0.954	183	22.11	0.954	183	49.38	0	0.66	-248
60	2010	178	1700	27-Jun-10	-72.8	3.425	0.986	10.82	30.48	0.986	10.82	45.2	0.254	0.793	-280
60	2010	178	1800	27-Jun-10	-72.8	-2.567	0.811	6.065	24.97	0.811	6.065	70.4	0.508	0.676	-463
60	2010	178	1900	27-Jun-10	-72.8	-10.75	0.653	13.43	22.62	0.653	13.43	39.76	0	0.65	-313
60	2010	178	2000	27-Jun-10	-72.8	-21.04	0.595	32.5	11.49	0.595	32.5	40.22	0	0.655	-272
60	2010	178	2100	27-Jun-10	-72.8	-26.98	0.568	28.53	7.98	0.568	28.53	17.72	0	0.665	-239
60	2010	178	2200	27-Jun-10	-72.8	-31.67	0.47	44.25	8.43	0.47	44.25	24.11	0	0.62	-264
60	2010	178	2300	27-Jun-10	-72.8	-33.43	0.429	20.23	8.95	0.429	20.23	18.65	0	0.664	-271
60	2010	178	2400	27-Jun-10	-72.8	-34.17	0.486	33.08	10.01	0.486	33.08	15.8	0	0.669	-244
60	2010	179	100	28-Jun-10	-72.8	-34.47	0.401	11.69	7.19	0.401	11.69	16.48	0	0.655	-241
60	2010	179	200	28-Jun-10	-72.8	-32.45	0.359	353.9	15.17	0.359	353.9	20.43	0	0.664	-252
60	2010	179	300	28-Jun-10	-72.8	-25.87	0.385	12.23	17.53	0.385	12.23	34.24	0	0.626	-498
60	2010	179	400	28-Jun-10	-72.8	-12.74	1.028	63.66	21.92	1.028	63.65	30.03	0	0.642	-224
60	2010	179	500	28-Jun-10	-72.8	-0.73	1.472	93.1	24.75	1.472	93.1	27.72	0	0.67	-226
60	2010	179	600	28-Jun-10	-72.8	11.84	0.84	86.1	31.97	0.84	86.1	52.99	0	0.662	-385
60	2010	179	700	28-Jun-10	-72.8	19.9	1.479	110.8	39.26	1.479	110.8	56.99	0	0.671	-212
60	2010	179	800	28-Jun-10	-72.8	24.09	1.691	96.8	42.96	1.691	96.8	55.83	0	0.667	-231
60	2010	179	900	28-Jun-10	-72.8	25.83	2.38	84.8	34.97	2.38	84.8	41.79	0	0.691	-239
60	2010	179	1000	28-Jun-10	-72.8	29.52	2.322	97.6	39.19	2.322	97.6	49.31	0	2.66	0
60	2010	179	1100	28-Jun-10	-72.8	29.96	2.323	99.5	32.88	2.323	99.5	37.35	0	0.357	-287
60	2010	179	1200	28-Jun-10	-72.8	31.24	1.997	86.6	33.45	1.997	86.6	56.43	0	0.721	-426
60	2010	179	1300	28-Jun-10	-72.8	29.93	1.214	159.2	30.76	1.214	159.2	48.89	0	0.703	-242
60	2010	179	1400	28-Jun-10	-72.8	30.87	1.178	205.2	26.81	1.178	205.2	53.6	0	0.684	-244
60	2010	179	1500	28-Jun-10	-72.8	26.42	1.755	113.1	30.13	1.755	113.1	34.65	0	0.701	-368
60	2010	179	1600	28-Jun-10	-72.8	25.61	1.61	126	31.1	1.61	126	32.79	0	0.675	-207
60	2010	179	1700	28-Jun-10	-72.8	21.22	1.83	124.3	25.55	1.83	124.3	27.56	0	0.767	-278

Client = Pacific Booker Minerals

NOTE: HEADINGS NOT VERIFIED

Array ID	Year	Julian Day	Hour Minute	(Column added by KCB) Date	Hourly Average Air Temperature (Celsius)	Hourly Average Relative Humidity (%)	15 Minute Average Wind Speed (m/s)	15 Minute Average Wind Direction (degrees)	15 Minute Standard Deviation for Wind Direction (degrees)	Hourly Total Precipitation (mm)				
60	2010	179	1800	28-Jun-10	-72.8	6.395	1.731	108.4	23.84	1.731	108.4	24.74	0	0.692	-240
60	2010	179	1900	28-Jun-10	-72.8	-14.97	0.769	70.1	11.06	0.769	70.1	17.43	0	0.678	-243
60	2010	179	2000	28-Jun-10	-72.8	-26.61	0.735	73.5	10.64	0.735	73.5	30.64	0	0.677	-238
60	2010	179	2100	28-Jun-10	-72.8	-27.57	0.667	324	6.389	0.667	324	16.68	0	0.628	-202
60	2010	179	2200	28-Jun-10	-72.8	-31.08	0.575	35.02	11.95	0.575	35.02	23.62	0	0.621	-205
60	2010	179	2300	28-Jun-10	-72.8	-35.54	0.208	7.64	3.597	0.208	7.64	7.9	0	0.632	-202
60	2010	179	2400	28-Jun-10	-72.8	-34.4	0.259	342.3	14.51	0.259	342.3	26.25	0	0.657	-233
60	2010	180	100	29-Jun-10	-72.8	-24.28	1.775	96.4	25.73	1.775	96.4	32.02	0	0.658	-243
60	2010	180	200	29-Jun-10	-72.8	-18.54	2.301	98.7	32.6	2.301	98.7	33.52	0	0.652	-291
60	2010	180	300	29-Jun-10	-72.8	-18.8	0.824	144.5	23.69	0.824	144.5	55.33	0	0.648	-213
60	2010	180	400	29-Jun-10	-72.8	-16.5	0.869	138.9	21.9	0.869	138.9	30.42	0	0.643	-211
60	2010	180	500	29-Jun-10	-72.8	-7.11	1.081	170.9	29.39	1.081	170.9	44.64	0	2.66	0
60	2010	180	600	29-Jun-10	-72.8	-4.572	1.809	168.7	31.57	1.809	168.7	39.25	0	0.676	-236
60	2010	180	700	29-Jun-10	-72.8	-4.159	1.669	136.2	30.97	1.669	136.2	40.27	0	0.697	-244
60	2010	180	800	29-Jun-10	-72.8	-3.502	1.912	160.9	30.26	1.912	160.9	33.84	0.254	0.681	-205
60	2010	180	900	29-Jun-10	-72.8	8.83	2.26	149.3	30.52	2.26	149.3	36.16	0	0.668	-200
60	2010	180	1000	29-Jun-10	-72.8	7.59	1.893	147.2	30.85	1.893	147.2	42.42	0	0.648	-177
60	2010	180	1100	29-Jun-10	-72.8	1.821	1.612	109.4	34.17	1.612	109.4	41.86	0	0.657	-230
60	2010	180	1200	29-Jun-10	-72.8	1.269	2.044	89.1	30.8	2.044	89.1	37.7	0	0.708	-277
60	2010	180	1300	29-Jun-10	-72.8	0.681	1.961	113.2	32.62	1.961	113.2	45.02	0	0.779	-323
60	2010	180	1400	29-Jun-10	-72.8	-5.143	1.711	162.5	38.93	1.711	162.5	49.85	0	0.652	-239
60	2010	180	1500	29-Jun-10	-72.8	-12.95	1.154	41.28	26.76	1.154	41.28	54.89	0	0.664	-307
60	2010	180	1600	29-Jun-10	-72.8	-20.56	1.581	111.4	28.02	1.581	111.4	31.53	0	0.64	-231
60	2010	180	1700	29-Jun-10	-72.8	-21.41	0.537	114.2	22.48	0.537	114.2	42.02	0	0.79	-311
60	2010	180	1800	29-Jun-10	-72.8	-25.95	0.89	86.4	17.8	0.89	86.4	22.59	0	0.626	-209
60	2010	180	1900	29-Jun-10	-72.8	-36.04	0.485	44.77	6.556	0.485	44.77	15.71	0	0.616	-234
60	2010	180	2000	29-Jun-10	-72.8	-38.09	0.459	10.46	26.08	0.459	10.46	45.44	0	0.67	-243
60	2010	180	2100	29-Jun-10	-72.8	-38.96	0.482	2.716	8.1	0.482	2.716	24.37	0	0.766	-325
60	2010	180	2200	29-Jun-10	-72.8	-38.13	0.324	18.84	6.048	0.324	18.84	23.3	0	0.635	-378
60	2010	180	2300	29-Jun-10	-72.8	-36.41	0.243	6.048	4.811	0.243	6.048	17.2	0	0.639	-460
60	2010	180	2400	29-Jun-10	-72.8	-37.17	0.471	37.34	9.5	0.471	37.34	33.93	0	0.6	-199
60	2010	181	100	30-Jun-10	-72.8	-37.71	0.443	23.38	9.87	0.443	23.38	34.12	0	0.668	-242
60	2010	181	200	30-Jun-10	-72.8	-37.58	0.758	41.32	9.53	0.758	41.32	31.23	0	0.692	-279
60	2010	181	300	30-Jun-10	-72.8	-32.78	0.557	2.627	15.48	0.557	2.627	54.46	0	0.62	-200
60	2010	181	400	30-Jun-10	-72.8	-24.16	0.454	179.7	25.48	0.454	179.7	60.01	0	0.64	-305
60	2010	181	500	30-Jun-10	-72.8	-17.88	1.559	105.8	29.13	1.559	105.8	31.43	0	0.665	-248
60	2010	181	600	30-Jun-10	-72.8	-14.07	1.445	136.3	30.41	1.445	136.3	36.51	0	0.652	-287
60	2010	181	700	30-Jun-10	-72.8	-15.29	2.001	160.4	27.97	2.001	160.4	30.78	0	0.649	-206
60	2010	181	800	30-Jun-10	-72.8	-13.14	1.878	168.1	31.78	1.878	168.1	36.25	0	0.655	-234
60	2010	181	900	30-Jun-10	-72.8	-10.21	2.143	156.4	27.71	2.143	156.4	29	0	0.662	-232
60	2010	181	1000	30-Jun-10	-72.8	-6.412	2.265	165.4	26.59	2.265	165.4	28.96	0	0.658	-205
60	2010	181	1100	30-Jun-10	-72.8	-4.306	2.004	190.4	33.27	2.004	190.4	38.14	0	0.65	-202
60	2010	181	1200	30-Jun-10	-72.8	-1.32	2.43	173.7	32.14	2.43	173.7	33.53	0	0.673	-238
60	2010	181	1300	30-Jun-10	-72.8	-4.874	2.015	195.5	33.6	2.015	195.5	37.53	0	0.683	-245
60	2010	181	1400	30-Jun-10	-72.8	-7.33	2.136	198.9	36.42	2.136	198.9	39.26	0	0.696	-325
60	2010	181	1500	30-Jun-10	-72.8	-10.55	1.418	286.7	27.37	1.418	286.7	31	0	0.683	-273
60	2010	181	1600	30-Jun-10	-72.8	-18.23	0.842	90.6	16.13	0.842	90.6	25.56	1.016	0.694	-239
60	2010	181	1700	30-Jun-10	-72.8	-19.46	0.902	127.4	28.7	0.902	127.4	39.55	0.762	0.702	-246
60	2010	181	1800	30-Jun-10	-72.8	-22.96	0.615	32.37	16.17	0.615	32.37	33.21	0	0.699	-286
60	2010	181	1900	30-Jun-10	-72.8	-25.07	0.456	48.34	15.23	0.456	48.34	48.87	0	0.679	-232
60	2010	181	2000	30-Jun-10	-72.8	-26.69	0.369	9.32	7.03	0.369	9.32	16.84	0	0.664	-206
60	2010	181	2100	30-Jun-10	-72.8	-29.55	0.202	33.53	3.162	0.202	33.53	7.93	0	0.662	-208
60	2010	181	2200	30-Jun-10	-72.8	-29.88	0.382	24.66	7.59	0.382	24.66	18.12	0	0.661	-204
60	2010	181	2300	30-Jun-10	-72.8	-25.8	0.138	58.62	3.571	0.138	58.62	11.81	0	0.661	-207
60	2010	181	2400	30-Jun-10	-72.8	-21.75	0.107	30.79	2.672	0.107	30.79	9.73	0.254	0.658	-209
60	2010	182	100	01-Jul-10	-72.8	-21.62	0.356	340.5	6.81	0.356	340.5	22.02	0	0.649	-209
60	2010	182	200	01-Jul-10	-72.8	-22.87	0.358	336.5	8.11	0.358	336.5	15.14	0	0.648	-231
60	2010	182	300	01-Jul-10	-72.8	-19.97	0.234	5.763	4.536	0.234	5.763	14.42	0	0.668	-234
60	2010	182	400	01-Jul-10	-72.8	-15.3	0.336	27.77	15.2	0.336	27.77	31.8	0	0.653	-205
60	2010	182	500	01-Jul-10	-72.8	-11.92	0.569	148.2	15.79	0.569	148.2	47.98	0	0.661	-271
60	2010	182	600	01-Jul-10	-72.8	-5.185	0.508	307.3	26.25	0.508	307.3	43.75	0	0.662	-266
60	2010	182	700	01-Jul-10	-72.8	1.956	1.141	109.1	28.22	1.141	109.1	34.79	0	0.668	-233
60	2010	182	800	01-Jul-10	-72.8	12.87	0.834	148.6	38.87	0.834	148.6	73.9	0	0.652	-201
60	2010	182	900	01-Jul-10	-72.8	14.18	1.575	228.8	36.81	1.575	228.8	54.8	0	0.697	-248
60	2010	182	1000	01-Jul-10	-72.8	14.87	2.044	263.1	29.3	2.044	263.1	36.8	0	0.724	-274
60	2010	182	1100	01-Jul-10	-72.8	11.27	2.06	250	30.54	2.06	250	34.16	0	0.653	-201
60	2010	182	1200	01-Jul-10	-72.8	15.92	2.812	226.2	27.94	2.812	226.2	37.3	0	0.667	-202
60	2010	182	1300	01-Jul-10	-72.8	15.55	2.481	229.9	30.21	2.481	229.9	35.14	0	0.714	-281
60	2010	182	1400	01-Jul-10	-72.8	13.26	2.29	219.4	33.66	2.29	219.4	37.25	0	0.712	-326
60	2010	182	1500	01-Jul-10	-72.8	12.06	2.127	228.9	33.82	2.127	228.9	36.8	0	0.675	-231
60	2010	182	1600	01-Jul-10	-72.8	6.878	2.574	252.2	25.72	2.574	252.2	28.79	0	0.674	-410
60	2010	182	1700	01-Jul-10	-72.8	-1.648	2.141	252.2	28.2	2.141	252.2	30	0	0.685	-286
60	2010	182	1800	01-Jul-10	-72.8	-7.03	1.76	251.3	28.48	1.76	251.3	29.16	0	0.668	-284
60	2010	182	1900	01-Jul-10	-72.8	-14.54	0.936	240.1	33.64	0.936	240.1	47.28	0	0.648	-233
60	2010	182	2000	01-Jul-10	-72.8	-26.27	0.531	18.84	23.2	0.531	18.84	50.44	0	0.661	-238
60	2010	182	2100	01-Jul-10	-72.8	-28.39	0.76	328.9	14.09	0.76	328.9	19.2	0	0.653	-243
60	2010	182	2200	01-Jul-10	-72.8	-24.16	1.083	302.4	17.56	1.083	302.4	19.78	0	0.644	-287
60	2010	182	2300	01-Jul-10	-72.8	-23.53	0.59	319.8	13.27	0.59	319.8	18.75	0	0.634	-246
60	2010	182	2400	01-Jul-10	-72.8	-25.9	0.471	2.875	8.12	0.471	2.875	15.05	0	0.639	-285
60	2010	183	100	02-Jul-10	-72.8	-27.2	0.322	351.2	10.25	0.322	351.2	14.69	0	0.613	-200
60	2010	183	200	02-Jul-10	-72.8	-29.1	0.37	12.36	6.298	0.37	12.36	15.74	0	0.643	-283
60	2010	183	300	02-Jul-10	-72.8	-28.93	0.459	349.4	13.79	0.459	349.4	26.82	0	0.635	-204
60	2010	183	400	02-Jul-10	-72.8	-9.73	0.698	309.6	32.51	0.698	309.6	39.69	0	0.651	-241
60	2010	183	500	02-Jul-10	-72.8	2.843	1.482	278.9	24.44	1.482	278.9	31.83	0	0.643	-230
60	2010	183	600	02-Jul-10	-72.8	4.961	1.627	263.6	24.44	1.627	263.6	29.59	0	0.663	-274
60	2010	183	700	02-Jul-10	-72.8	8.7	1.791	265.8	27.29	1.791	265.8	29.11	0	0.651	-202
60	2010	183	800	02-Jul-10	-72.8	11	2.173	258.4	27.02	2.173	258.4	30.9	0	0.671	-240
60	2010	183	900	02-Jul-10	-72.8	13.03	2.421	257.8	25.8	2.421	257.8	28.57	0	0.689	-366
60	2010	183	1000	02-Jul-10	-72.8	14.23	2.302	262.3	26.72	2.302	262.3	28.21	0	0.701	-245
60	2010	183	1100	02-Jul-10	-72.8	15.6	2.324	266	22.68	2.324	266	24.46	0	0.677	-207
60	2010	183	1200	02-Jul-10	-72.8	17.38	2.638	263.6	22.45	2.638	263.6	24.97	0	0.682	-243
60	2010	183	1300	02-Jul-10	-72.8	16.78	2.947	263.7	23.15	2.947	263.7	23.96	0	0.672	-227

Client = Pacific Booker Minerals

NOTE: HEADINGS NOT VERIFIED

Array ID	Year	Julian Day	Hour Minute	(Column added by KCB) Date	Hourly Average Air Temperature (Celsius)	Hourly Average Relative Humidity (%)	15 Minute Average Wind Speed (m/s)	15 Minute Average Wind Direction (degrees)	15 Minute Standard Deviation for Wind Direction (degrees)	Hourly Total Precipitation (mm)				
60	2010	183	1400	02-Jul-10	-72.8	18.37	2.356	257.4	23.74	2.356	257.4	25.37	0	0.703	-238
60	2010	183	1500	02-Jul-10	-72.8	17.16	2.594	252	25.3	2.594	252	27.87	0	0.707	-254
60	2010	183	1600	02-Jul-10	-72.8	11.35	2.496	252.6	24.89	2.496	252.6	26.11	0	0.685	-208
60	2010	183	1700	02-Jul-10	-72.8	4.885	2.549	255.2	26.25	2.549	255.2	27.08	0	0.668	-206
60	2010	183	1800	02-Jul-10	-72.8	-0.298	1.865	253	26.06	1.865	253	28.37	0	0.666	-205
60	2010	183	1900	02-Jul-10	-72.8	-5.048	1.621	263.8	25.25	1.621	263.8	26.58	0	0.668	-203
60	2010	183	2000	02-Jul-10	-72.8	-8.15	1.107	281.6	25.15	1.107	281.6	27.93	0	0.679	-210
60	2010	183	2100	02-Jul-10	-72.8	-11.2	0.868	283.5	21.9	0.868	283.5	26.13	0	0.691	-275
60	2010	183	2200	02-Jul-10	-72.8	-13.72	0.981	274.9	22.35	0.981	274.9	26.57	0	0.672	-230
60	2010	183	2300	02-Jul-10	-72.8	-17.39	1.071	301.2	17.25	1.071	301.2	18.66	0	0.706	-325
60	2010	183	2400	02-Jul-10	-72.8	-19.77	1.033	300.6	21.08	1.033	300.6	23.93	0	0.688	-324
60	2010	184	100	03-Jul-10	-72.8	-20.9	0.599	329.8	20.7	0.599	329.8	26.78	0	0.677	-534
60	2010	184	200	03-Jul-10	-72.8	-19.35	0.368	321.7	18.31	0.368	321.7	26.73	0	0.617	-201
60	2010	184	300	03-Jul-10	-72.8	-14.48	0.842	298.6	23.78	0.842	298.6	26.82	0	0.635	-233
60	2010	184	400	03-Jul-10	-72.8	-8	1.158	287.8	25.68	1.158	287.8	28.92	0	0.647	-212
60	2010	184	500	03-Jul-10	-72.8	3.472	1.979	272.6	25.47	1.979	272.6	27.7	0	0.667	-281
60	2010	184	600	03-Jul-10	-72.8	4.463	2.062	264.5	24.36	2.062	264.5	26.14	0	0.687	-240
60	2010	184	700	03-Jul-10	-72.8	9.41	2.362	270.7	26.5	2.362	270.7	31.88	0	0.687	-279
60	2010	184	800	03-Jul-10	-72.8	13.85	2.238	270.2	26.66	2.238	270.2	29.91	0	0.739	-245
60	2010	184	900	03-Jul-10	-72.8	18.48	2.208	257.4	26.94	2.208	257.4	29.5	0	0.698	-241
60	2010	184	1000	03-Jul-10	-72.8	22.54	2.135	265.8	29.32	2.135	265.8	35.72	0	0.698	-237
60	2010	184	1100	03-Jul-10	-72.8	23.59	2.44	260.2	25.53	2.44	260.2	30.08	0	0.706	-241
60	2010	184	1200	03-Jul-10	-72.8	22.15	2.268	246.2	28.44	2.268	246.2	30.78	0	0.684	-239
60	2010	184	1300	03-Jul-10	-72.8	18.95	1.817	218.5	32.37	1.817	218.5	39.3	0	0.682	-235
60	2010	184	1400	03-Jul-10	-72.8	14.17	1.294	231.6	31.17	1.294	231.6	35.83	0	0.706	-367
60	2010	184	1500	03-Jul-10	-72.8	9.62	0.445	244.6	23.9	0.445	244.6	45.94	0	0.706	-252
60	2010	184	1600	03-Jul-10	-72.8	4.655	0.441	177.8	27.18	0.441	177.8	31.15	0.508	0.817	-291
60	2010	184	1700	03-Jul-10	-72.8	-1.728	0.751	115.5	29.85	0.751	115.5	37.13	1.016	0.651	-251
60	2010	184	1800	03-Jul-10	-72.8	-4.207	0.251	75.1	12.86	0.251	75.1	22.16	0.762	0.715	-322
60	2010	184	1900	03-Jul-10	-72.8	-6.683	0.596	78.4	12.87	0.596	78.4	15.3	0.508	0.713	-510
60	2010	184	2000	03-Jul-10	-72.8	-8.54	0.595	76.5	14.07	0.595	76.5	19.4	0	0.687	-242
60	2010	184	2100	03-Jul-10	-72.8	-10.46	0.353	84.7	15.44	0.353	84.7	21.76	0	0.706	-304
60	2010	184	2200	03-Jul-10	-72.8	-12.17	1.078	80.2	15.65	1.078	80.2	23.53	0	0.684	-274
60	2010	184	2300	03-Jul-10	-72.8	-15.6	0.714	78.4	22.32	0.714	78.4	41.56	0	0.655	-204
60	2010	184	2400	03-Jul-10	-72.8	-17.85	0.809	37.27	16.26	0.809	37.27	30.22	0	0.656	-204
60	2010	185	100	04-Jul-10	-72.8	-20.94	0.678	41.62	17.5	0.678	41.62	25.67	0	0.694	-312
60	2010	185	200	04-Jul-10	-72.8	-18.58	0.618	34.37	16.17	0.618	34.37	40.59	0	0.664	-269
60	2010	185	300	04-Jul-10	-72.8	-15.62	0.451	30.99	17.16	0.451	30.99	37.6	0.254	0.68	-272
60	2010	185	400	04-Jul-10	-72.8	-14.29	0.84	344.3	22.16	0.84	344.3	44.64	0	0.682	-352
60	2010	185	500	04-Jul-10	-72.8	6.643	1.34	272.9	29.27	1.34	272.9	49.75	0	0.736	-241
60	2010	185	600	04-Jul-10	-72.8	9.3	1.963	270.8	23.11	1.963	270.8	25.04	0	0.668	-250
60	2010	185	700	04-Jul-10	-72.8	11.97	2.214	272.5	26.69	2.214	272.5	27.98	0	0.704	-278
60	2010	185	800	04-Jul-10	-72.8	14.43	2.893	270.3	23.69	2.893	270.3	25.74	0	0.696	-318
60	2010	185	900	04-Jul-10	-72.8	14.81	3.038	264.4	25.06	3.038	264.4	26.7	0	0.756	-252
60	2010	185	1000	04-Jul-10	-72.8	13.26	2.316	259.4	24.91	2.316	259.4	26.06	0	0.68	-255
60	2010	185	1100	04-Jul-10	-72.8	13.78	2.389	245.4	29.63	2.389	245.4	31.45	0	0.749	-541
60	2010	185	1200	04-Jul-10	-72.8	15.38	2.274	220.2	37.32	2.274	220.2	38.91	0	0.692	-330
60	2010	185	1300	04-Jul-10	-72.8	18.27	2.499	247.8	29.58	2.499	247.8	32.52	0	0.7	-281
60	2010	185	1400	04-Jul-10	-72.8	20.72	2.756	251.2	27.11	2.756	251.2	28.55	0	0.674	-204
60	2010	185	1500	04-Jul-10	-72.8	19.58	2.249	216	30.99	2.249	216	36.54	0	0.68	-236
60	2010	185	1600	04-Jul-10	-72.8	17.16	2.92	250.1	26.1	2.92	250.1	27.54	0	0.678	-272
60	2010	185	1700	04-Jul-10	-72.8	9.34	2.205	268.3	22.53	2.205	268.3	24.44	0	0.683	-209
60	2010	185	1800	04-Jul-10	-72.8	1.279	1.157	279	18.67	1.157	279	22.2	0	0.673	-232
60	2010	185	1900	04-Jul-10	-72.8	-8.03	1.221	287.7	24.99	1.221	287.7	28.36	0	0.67	-208
60	2010	185	2000	04-Jul-10	-72.8	-14.82	1.203	298.4	20.56	1.203	298.4	23.73	0	0.712	-283
60	2010	185	2100	04-Jul-10	-72.8	-27.78	1.037	303.8	13.77	1.037	303.8	16.51	0	0.639	-239
60	2010	185	2200	04-Jul-10	-72.8	-33.31	0.776	352.4	17.96	0.776	352.4	26.41	0	0.635	-234
60	2010	185	2300	04-Jul-10	-72.8	-36.71	0.608	347.5	8.65	0.608	347.5	16.28	0	0.643	-207
60	2010	185	2400	04-Jul-10	-72.8	-37.86	0.768	344.1	8.61	0.768	344.1	20.02	0	0.663	-237
60	2010	186	100	05-Jul-10	-72.8	-38.22	0.486	355.8	14.68	0.486	355.8	18.96	0	0.671	-239
60	2010	186	200	05-Jul-10	-72.8	-36.9	0.376	3.897	6.706	0.376	3.897	13.09	0	0.665	-237
60	2010	186	300	05-Jul-10	-72.8	-35.31	0.464	338.9	4.887	0.464	338.9	10.4	0	0.673	-239
60	2010	186	400	05-Jul-10	-72.8	-24.52	0.413	4.341	15.8	0.413	4.341	25.13	0	0.69	-215
60	2010	186	500	05-Jul-10	-72.8	0.029	1.341	288.8	29.33	1.341	288.8	36.47	0	0.695	-233
60	2010	186	600	05-Jul-10	-72.8	13.01	2.112	263.5	28.82	2.112	263.5	32.82	0	0.687	-246
60	2010	186	700	05-Jul-10	-72.8	18.79	2.966	259.1	24.93	2.966	259.1	27.21	0	0.702	-287
60	2010	186	800	05-Jul-10	-72.8	19.99	2.037	246.3	30.86	2.037	246.3	34.54	0	0.692	-238
60	2010	186	900	05-Jul-10	-72.8	21.83	2.502	248.9	23.67	2.502	248.9	27.72	0	0.353	-314
60	2010	186	1000	05-Jul-10	-72.8	23.12	2.269	233.1	30.47	2.269	233.1	34.62	0	0.708	-272
60	2010	186	1100	05-Jul-10	-72.8	24.73	2.635	257.6	28.09	2.635	257.6	30.62	0	0.714	-310
60	2010	186	1200	05-Jul-10	-72.8	26.7	3.098	250.1	23.49	3.098	250.1	25.95	0	0.682	-375
60	2010	186	1300	05-Jul-10	-72.8	27.37	2.723	246.4	27.33	2.723	246.4	29.96	0	2.66	0
60	2010	186	1400	05-Jul-10	-72.8	28.61	2.418	254.6	27.75	2.418	254.6	31.37	0	0.701	-311
60	2010	186	1500	05-Jul-10	-72.8	28.6	2.728	251.1	25.94	2.728	251.1	27.74	0	0.746	-288
60	2010	186	1600	05-Jul-10	-72.8	25.42	1.919	249.8	29.25	1.919	249.8	31.2	0	0.684	-354
60	2010	186	1700	05-Jul-10	-72.8	20.95	3.039	264.7	21.55	3.039	264.7	22.12	0	0.698	-272
60	2010	186	1800	05-Jul-10	-72.8	15.09	1.714	279.6	21.66	1.714	279.6	22.57	0	0.643	-197
60	2010	186	1900	05-Jul-10	-72.8	6.87	1.048	285.2	21.81	1.048	285.2	23.88	0	0.798	-520
60	2010	186	2000	05-Jul-10	-72.8	2.139	1.032	278.1	23.29	1.032	278.1	24.99	0	0.672	-239
60	2010	186	2100	05-Jul-10	-72.8	-5.755	0.382	355.4	15.98	0.382	355.4	21.66	0	0.67	-216
60	2010	186	2200	05-Jul-10	-72.8	-19.46	0.466	21.62	8.66	0.466	21.62	17.86	0	0.674	-280
60	2010	186	2300	05-Jul-10	-72.8	-25.29	0.862	336.9	12.14	0.862	336.9	17	0	0.673	-254
60	2010	186	2400	05-Jul-10	-72.8	-28.41	0.497	345	7.33	0.497	345	19.07	0	0.648	-239
60	2010	187	100	06-Jul-10	-72.8	-31.68	0.457	2.226	18.68	0.457	2.226	25.96	0	0.663	-276
60	2010	187	200	06-Jul-10	-72.8	-32.62	0.488	17.22	24.77	0.488	17.22	31.32	0	0.636	-241
60	2010	187	300	06-Jul-10	-72.8	-31.03	0.578	7.44	18.7	0.578	7.44	30.37	0	0.667	-214
60	2010	187	400	06-Jul-10	-72.8	-18.75	0.713	359.6	18.51	0.713	359.6	21.25	0	0.683	-242
60	2010	187	500	06-Jul-10	-72.8	10.77	1.099	320.6	24.3	1.099	320.6	29.36	0	0.721	-316
60	2010	187	600	06-Jul-10	-72.8	20.07	1.678	269.3	30.97	1.678	269.3	36.86	0	0.663	-201
60	2010	187	700	06-Jul-10	-72.8	21.83	2.931	266.7	24.73	2.931	266.7	27.4	0	0.671	-232
60	2010	187	800	06-Jul-10	-72.8	23.78	3.394	263.2	24.37	3.394	263.2	25.05	0	0.68	-197
60	2010	187	900	06-Jul-10	-72.8	25.23	3.054	257.3	24.92	3.054	257.3	26.9	0	0.68	-194

Client = Pacific Booker Minerals

NOTE: HEADINGS NOT VERIFIED

Array ID	Year	Julian Day	Hour Minute	(Column added by KCB) Date	Hourly Average Air Temperature (Celsius)	Hourly Average Relative Humidity (%)	15 Minute Average Wind Speed (m/s)	15 Minute Average Wind Direction (degrees)	15 Minute Standard Deviation for Wind Direction (degrees)	Hourly Total Precipitation (mm)				
60	2010	187	1000	06-Jul-10	-72.8	27.5	3.203	255	25.04	3.203	255	26.61	0	0.754	-285
60	2010	187	1100	06-Jul-10	-72.8	28.87	2.991	249	27.95	2.991	249	31.4	0	0.789	-279
60	2010	187	1200	06-Jul-10	-72.8	29.72	2.951	257.1	25.75	2.951	257.1	26.8	0	0.803	-239
60	2010	187	1300	06-Jul-10	-72.8	30.89	3.446	256.4	24.3	3.446	256.4	26.5	0	0.743	-284
60	2010	187	1400	06-Jul-10	-72.8	32.24	3.156	258.4	24.8	3.156	258.4	26.54	0	0.702	-208
60	2010	187	1500	06-Jul-10	-72.8	33.3	3.155	255.8	26.42	3.155	255.8	27.46	0	0.714	-266
60	2010	187	1600	06-Jul-10	-72.8	33.75	2.942	260	23.73	2.942	260	24.73	0	0.736	-283
60	2010	187	1700	06-Jul-10	-72.8	32.7	2.538	265.3	23.45	2.538	265.3	24.17	0	0.727	-325
60	2010	187	1800	06-Jul-10	-72.8	30.08	1.524	284.3	20.81	1.524	284.3	22.44	0	0.708	-241
60	2010	187	1900	06-Jul-10	-72.8	16.23	0.513	28.74	13.93	0.513	28.74	27.01	0	0.696	-237
60	2010	187	2000	06-Jul-10	-72.8	-0.751	0.423	14.81	22.09	0.423	14.81	27.66	0	0.685	-236
60	2010	187	2100	06-Jul-10	-72.8	-12.32	0.675	12.28	20.1	0.675	12.28	26.42	0	0.678	-208
60	2010	187	2200	06-Jul-10	-72.8	-18.15	0.626	359.8	20.83	0.626	359.8	31.9	0	0.672	-235
60	2010	187	2300	06-Jul-10	-72.8	-20.64	0.455	358.3	15.1	0.455	358.3	44.05	0	0.666	-239
60	2010	187	2400	06-Jul-10	-72.8	-23.53	0.509	8.39	16.51	0.509	8.39	33.02	0	0.663	-245
60	2010	188	100	07-Jul-10	-72.8	-25.88	0.458	349.6	14.4	0.458	349.6	31.06	0	0.664	-237
60	2010	188	200	07-Jul-10	-72.8	-26.83	0.287	15.44	15.93	0.287	15.44	37.36	0	0.674	-241
60	2010	188	300	07-Jul-10	-72.8	-26.55	0.192	10.31	12.32	0.192	10.31	28.39	0	0.684	-244
60	2010	188	400	07-Jul-10	-72.8	-15.53	0.331	322.3	12.74	0.331	322.3	19.89	0	0.705	-239
60	2010	188	500	07-Jul-10	-72.8	14.09	1.136	255.6	21.41	1.136	255.6	24.87	0	0.718	-241
60	2010	188	600	07-Jul-10	-72.8	22.6	1.467	242.3	28.25	1.467	242.3	28.87	0	0.711	-291
60	2010	188	700	07-Jul-10	-72.8	25.71	2.018	251.3	21.57	2.018	251.3	23.37	0	0.739	-447
60	2010	188	800	07-Jul-10	-72.8	28.84	1.546	241.3	32.4	1.546	241.3	34.92	0	0.755	-283
60	2010	188	900	07-Jul-10	-72.8	31.58	1.227	233.6	32.72	1.227	233.6	45.77	0	0.725	-289
60	2010	188	1000	07-Jul-10	-72.8	34.33	1.564	228.7	37.15	1.564	228.7	42.1	0	0.703	-200
60	2010	188	1100	07-Jul-10	-72.8	35.57	2.03	237.8	27.44	2.03	237.8	31.65	0	0.759	-245
60	2010	188	1200	07-Jul-10	-72.8	35.55	1.865	225.9	27.53	1.865	225.9	36.4	0	0.697	-229
60	2010	188	1300	07-Jul-10	-72.8	35.72	1.522	226.6	36.06	1.522	226.6	42.45	0	0.754	-551
60	2010	188	1400	07-Jul-10	-72.8	36.43	1.53	224.2	32.61	1.53	224.2	38.41	0	0.918	-248
60	2010	188	1500	07-Jul-10	-72.8	37.52	1.478	236.7	25.48	1.478	236.7	30.35	0	0.918	-216
60	2010	188	1600	07-Jul-10	-72.8	38.39	1.767	255.4	22.33	1.767	255.4	24.11	0	0.921	-240
60	2010	188	1700	07-Jul-10	-72.8	37.85	1.181	260.1	15.05	1.181	260.1	16.84	0	0.729	-245
60	2010	188	1800	07-Jul-10	-72.8	32.74	0.37	23.93	11.76	0.37	23.93	13.38	0	0.714	-277
60	2010	188	1900	07-Jul-10	-72.8	20.34	0.643	26.78	16.69	0.643	26.78	22.61	0	0.706	-211
60	2010	188	2000	07-Jul-10	-72.8	2.09	0.419	8.37	15.48	0.419	8.37	22.73	0	0.709	-244
60	2010	188	2100	07-Jul-10	-72.8	-10.87	0.295	1.089	10.28	0.295	1.089	23.82	0	0.714	-243
60	2010	188	2200	07-Jul-10	-72.8	-19.74	0.235	352.4	8.24	0.235	352.4	20.89	0	0.864	-248
60	2010	188	2300	07-Jul-10	-72.8	-25.04	0.202	343.4	2	0.202	343.4	4.876	0	0.867	-272
60	2010	188	2400	07-Jul-10	-72.8	-28.32	0.193	348.7	2.903	0.193	348.7	10.5	0	0.863	-285
60	2010	189	100	08-Jul-10	-72.8	-30.35	0.354	341.5	3.974	0.354	341.5	9.98	0	0.86	-246
60	2010	189	200	08-Jul-10	-72.8	-30.67	0.269	345.6	6.134	0.269	345.6	12.88	0	0.859	-281
60	2010	189	300	08-Jul-10	-72.8	-29.31	0.122	357.5	4.238	0.122	357.5	8.97	0	0.86	-272
60	2010	189	400	08-Jul-10	-72.8	-15.43	0.222	346.4	5.521	0.222	346.4	16.03	0	0.863	-319
60	2010	189	500	08-Jul-10	-72.8	18.03	0.246	289	16.22	0.246	289	23.19	0	0.725	-211
60	2010	189	600	08-Jul-10	-72.8	29.28	0.985	247.4	26.16	0.985	247.4	30	0	0.899	-240
60	2010	189	700	08-Jul-10	-72.8	32.89	1.385	252.4	25.24	1.385	252.4	27.99	0	0.917	-242
60	2010	189	800	08-Jul-10	-72.8	36.27	0.962	245.8	33.86	0.962	245.8	50.56	0	0.924	-235
60	2010	189	900	08-Jul-10	-72.8	37.3	0.97	130.7	36.85	0.97	130.7	68.15	0	0.751	-244
60	2010	189	1000	08-Jul-10	-72.8	38.39	1.2	137.9	34.56	1.2	137.9	70.4	0	0.919	-244
60	2010	189	1100	08-Jul-10	-72.8	38.96	1.432	227.1	42.61	1.432	227.1	62.72	0	0.93	-236
60	2010	189	1200	08-Jul-10	-72.8	39.27	1.402	218.5	36.05	1.402	218.5	48.78	0	2.66	0
60	2010	189	1300	08-Jul-10	-72.8	39.67	2.077	216	34.05	2.077	216	44.03	0	0.748	-240
60	2010	189	1400	08-Jul-10	-72.8	40.77	1.953	222	32.28	1.953	222	45.56	0	0.753	-233
60	2010	189	1500	08-Jul-10	-72.8	41.26	2.663	263.3	21.15	2.663	263.3	21.81	0	0.913	-244
60	2010	189	1600	08-Jul-10	-72.8	41.01	2.001	260.9	24.7	2.001	260.9	27.31	0	0.929	-239
60	2010	189	1700	08-Jul-10	-72.8	39.06	2.147	259.8	22.51	2.147	259.8	23.6	0	0.915	-242
60	2010	189	1800	08-Jul-10	-72.8	31.24	1.067	286.8	17.8	1.067	286.8	25.33	0	0.891	-280
60	2010	189	1900	08-Jul-10	-72.8	8.01	0.478	10.83	14.09	0.478	10.83	18.95	0	0.877	-241
60	2010	189	2000	08-Jul-10	-72.8	-15.24	0.539	1.341	21.15	0.539	1.341	24.24	0	0.878	-212
60	2010	189	2100	08-Jul-10	-72.8	-27.17	0.245	353	11.13	0.245	353	18.59	0	0.871	-213
60	2010	189	2200	08-Jul-10	-72.8	-33.29	0.55	13.76	14.2	0.55	13.76	27.04	0	0.871	-210
60	2010	189	2300	08-Jul-10	-72.8	-35.69	0.41	360	11.23	0.41	360	17.94	0	0.869	-237
60	2010	189	2400	08-Jul-10	-72.8	-37.11	0.293	7.09	18.42	0.293	7.09	35.74	0	0.861	-240
60	2010	190	100	09-Jul-10	-72.8	-37.01	0.358	353	16.27	0.358	353	35.07	0	0.855	-281
60	2010	190	200	09-Jul-10	-72.8	-32.9	0.316	349.9	6.659	0.316	349.9	18.31	0	0.861	-273
60	2010	190	300	09-Jul-10	-72.8	-29.42	0.174	356.6	5.973	0.174	356.6	16.2	0	0.871	-246
60	2010	190	400	09-Jul-10	-72.8	-20.01	0.06	325.8	2.332	0.06	325.8	10.17	0	0.88	-242
60	2010	190	500	09-Jul-10	-72.8	11.65	0.281	232.5	17.67	0.281	232.5	32.26	0	0.893	-238
60	2010	190	600	09-Jul-10	-72.8	24.03	0.725	306.9	22.7	0.725	306.9	62.35	0	0.9	-268
60	2010	190	700	09-Jul-10	-72.8	25.74	0.694	11.19	24.29	0.694	11.19	33.09	0	0.906	-249
60	2010	190	800	09-Jul-10	-72.8	24.94	1.279	280.4	24.62	1.279	280.4	30.4	0	0.903	-288
60	2010	190	900	09-Jul-10	-72.8	24.97	1.532	258.9	24.22	1.532	258.9	27.3	0	0.91	-280
60	2010	190	1000	09-Jul-10	-72.8	28.35	1.495	250	23.32	1.495	250	28.45	0	0.913	-241
60	2010	190	1100	09-Jul-10	-72.8	26.62	1.298	226.2	26.86	1.298	226.2	34.16	0	0.904	-270
60	2010	190	1200	09-Jul-10	-72.8	25.41	1.726	202.9	28.97	1.726	202.9	32.69	0	0.904	-207
60	2010	190	1300	09-Jul-10	-72.8	23.57	1.557	184.5	33.44	1.557	184.5	40.08	0	0.911	-278
60	2010	190	1400	09-Jul-10	-72.8	28.29	1.122	180.1	31.53	1.122	180.1	46.4	0	0.908	-237
60	2010	190	1500	09-Jul-10	-72.8	24.71	1.194	184.2	31.63	1.194	184.2	34.99	0	0.917	-205
60	2010	190	1600	09-Jul-10	-72.8	17.97	0.462	177.3	24.29	0.462	177.3	31.53	0	0.905	-242
60	2010	190	1700	09-Jul-10	-72.8	16.27	0.128	62.43	16.87	0.128	62.43	40.41	0	0.895	-484
60	2010	190	1800	09-Jul-10	-72.8	13.64	0.231	29.8	24.97	0.231	29.8	53.16	0	0.902	-234
60	2010	190	1900	09-Jul-10	-72.8	8.29	0.418	15.68	24.36	0.418	15.68	48.52	0	0.896	-238
60	2010	190	2000	09-Jul-10	-72.8	3.255	0.286	18.66	14.52	0.286	18.66	28.95	0	0.646	-196
60	2010	190	2100	09-Jul-10	-72.8	1.661	0.378	19.89	10.16	0.378	19.89	18.22	0	0.642	-200
60	2010	190	2200	09-Jul-10	-72.8	2.037	0.339	346.2	11.82	0.339	346.2	16.08	0	0.871	-275
60	2010	190	2300	09-Jul-10	-72.8	1.438	0.963	335.4	17.29	0.963	335.4	20.74	0	0.875	-316
60	2010	190	2400	09-Jul-10	-72.8	-0.839	0.279	341.5	21.36	0.279	341.5	28.25	0.254	0.902	-201
60	2010	191	100	10-Jul-10	-72.8	-3.308	0.696	334.7	18.69	0.696	334.7	21.61	0.508	0.855	-315
60	2010	191	200	10-Jul-10	-72.8	-2.848	0.457	324.5	13.97	0.457	324.5	27.16	0.254	0.891	-423
60	2010	191	300	10-Jul-10	-72.8	-2.657	0.224	319.3	11.26	0.224	319.3	25.89	0	0.888	-234
60	2010	191	400	10-Jul-10	-72.8	1.537	0.572	277	17.99	0.572	277	22.09	0	0.894	-209
60	2010	191	500	10-Jul-10	-72.8	14.54	1.038	271	21.3	1.038	271	24.63	0	0.727	-271

Client = Pacific Booker Minerals

NOTE: HEADINGS NOT VERIFIED

Array ID	Year	Julian Day	Hour Minute	(Column added by KCB) Date	Hourly Average Air Temperature (Celsius)	Hourly Average Relative Humidity (%)	15 Minute Average Wind Speed (m/s)	15 Minute Average Wind Direction (degrees)	15 Minute Standard Deviation for Wind Direction (degrees)	Hourly Total Precipitation (mm)					
60	2010	191	600	10-Jul-10	-72.8	23.36	1.412	267.8	24.75	1.412	267.8	30.45	0	0.888	-246
60	2010	191	700	10-Jul-10	-72.8	25.31	1.413	254.6	23.43	1.413	254.6	28.66	0	0.684	-596
60	2010	191	800	10-Jul-10	-72.8	26.16	0.958	247.1	30.34	0.958	247.1	45.07	0	0.903	-211
60	2010	191	900	10-Jul-10	-72.8	26.43	0.979	242.2	34.08	0.979	242.2	75.5	0	0.912	-309
60	2010	191	1000	10-Jul-10	-72.8	27.6	1.24	243	37.46	1.24	243	58.7	0	0.917	-252
60	2010	191	1100	10-Jul-10	-72.8	29.12	1.377	251.3	41.27	1.377	251.3	53.21	0	0.922	-279
60	2010	191	1200	10-Jul-10	-72.8	30.09	0.927	230.1	32.09	0.927	230.1	60.47	0	0.924	-239
60	2010	191	1300	10-Jul-10	-72.8	30.03	1.346	172.5	35.14	1.346	172.5	41.98	0	0.928	-243
60	2010	191	1400	10-Jul-10	-72.8	28.68	1.325	251.3	23.23	1.325	251.3	30.56	0	0.922	-238
60	2010	191	1500	10-Jul-10	-72.8	28.43	1.35	265.1	25.03	1.35	265.1	30.86	0	0.919	-246
60	2010	191	1600	10-Jul-10	-72.8	27.63	0.964	263.3	19.73	0.964	263.3	23.44	0	0.925	-207
60	2010	191	1700	10-Jul-10	-72.8	25.95	0.887	271.5	21.87	0.887	271.5	24.31	0	0.919	-211
60	2010	191	1800	10-Jul-10	-72.8	24.33	0.463	265.3	18.63	0.463	265.3	27.51	0	0.708	-244
60	2010	191	1900	10-Jul-10	-72.8	23.45	0.401	307.6	21.7	0.401	307.6	42.1	0	0.883	-280
60	2010	191	2000	10-Jul-10	-72.8	21.83	0.994	307	16.58	0.994	307	32.99	0	0.885	-321
60	2010	191	2100	10-Jul-10	-72.8	18.64	0.434	19.01	8.58	0.434	19.01	13.95	0	0.897	-288
60	2010	191	2200	10-Jul-10	-72.8	12.7	0.515	1.213	11.48	0.515	1.213	32.79	0	0.896	-245
60	2010	191	2300	10-Jul-10	-72.8	4.665	0.337	12.58	9.72	0.337	12.58	17.98	0	0.896	-274
60	2010	191	2400	10-Jul-10	-72.8	0.791	0.642	51.77	10	0.642	51.77	14.26	0	0.9	-244
60	2010	192	100	11-Jul-10	-72.8	1.297	0.815	325.1	16.76	0.815	325.1	26.46	0	0.898	-239
60	2010	192	200	11-Jul-10	-72.8	3.948	0.516	312.1	16.31	0.516	312.1	21.9	0	0.884	-236
60	2010	192	300	11-Jul-10	-72.8	-1.561	0.565	20.77	11.25	0.565	20.77	16.15	0	0.871	-244
60	2010	192	400	11-Jul-10	-72.8	5.085	0.484	349.1	10.94	0.484	349.1	17.92	0	0.903	-236
60	2010	192	500	11-Jul-10	-72.8	20.54	0.616	353.4	18.96	0.616	353.4	32.46	0	0.9	-277
60	2010	192	600	11-Jul-10	-72.8	24.42	1.38	233	30.46	1.38	233	53.5	0	0.902	-239
60	2010	192	700	11-Jul-10	-72.8	23.97	1.582	277	22.4	1.582	277	30.38	0	0.917	-208
60	2010	192	800	11-Jul-10	-72.8	24.93	1.59	177.3	32.39	1.59	177.3	55.22	0	0.917	-227
60	2010	192	900	11-Jul-10	-72.8	23.8	2.143	168.2	34.84	2.143	168.2	37.12	0	0.914	-328
60	2010	192	1000	11-Jul-10	-72.8	26.81	2.361	173.1	28.39	2.361	173.1	31.44	0	0.925	-202
60	2010	192	1100	11-Jul-10	-72.8	29.81	3.008	179.4	33.68	3.008	179.4	38.5	0	0.913	-233
60	2010	192	1200	11-Jul-10	-72.8	31.13	2.872	179.7	35.7	2.872	179.7	39.93	0	0.918	-209
60	2010	192	1300	11-Jul-10	-72.8	22.59	3.098	175.4	33.34	3.098	175.4	36.37	0	0.906	-244
60	2010	192	1400	11-Jul-10	-72.8	8.5	3.096	179.1	36.56	3.096	179.1	40.97	0	0.902	-235
60	2010	192	1500	11-Jul-10	-72.8	1.694	2.517	215.7	33.8	2.517	215.7	37.48	0	0.9	-238
60	2010	192	1600	11-Jul-10	-72.8	-9.91	1.985	213.2	32.35	1.985	213.2	35.74	0	0.902	-234
60	2010	192	1700	11-Jul-10	-72.8	-18.63	2.108	214.2	32.47	2.108	214.2	37.99	0	0.898	-208
60	2010	192	1800	11-Jul-10	-72.8	-24.78	2.134	242.4	28.96	2.134	242.4	30.77	0	0.884	-275
60	2010	192	1900	11-Jul-10	-72.8	-32.04	2.534	251.5	32.46	2.534	251.5	33.11	0	0.892	-252
60	2010	192	2000	11-Jul-10	-72.8	-37.2	2.133	249.8	26.4	2.133	249.8	28.54	0	0.888	-204
60	2010	192	2100	11-Jul-10	-72.8	-40.33	1.184	250.1	29.09	1.184	250.1	31.44	0	0.887	-208
60	2010	192	2200	11-Jul-10	-72.8	-41.09	1.818	287.9	24.78	1.818	287.9	31.44	0	0.888	-231
60	2010	192	2300	11-Jul-10	-72.8	-40.77	1.277	288.5	23.71	1.277	288.5	27.51	0	0.881	-324
60	2010	192	2400	11-Jul-10	-72.8	-40.53	2.116	258.8	20.95	2.116	258.8	24.02	0	0.873	-450
60	2010	193	100	12-Jul-10	-72.8	-40.75	1.025	307	23.39	1.025	307	32	0	0.842	-244
60	2010	193	200	12-Jul-10	-72.8	-41.88	0.64	314	23.5	0.64	314	29.79	0	0.864	-209
60	2010	193	300	12-Jul-10	-72.8	-41.17	0.694	320.9	18.11	0.694	320.9	25.79	0	0.855	-232
60	2010	193	400	12-Jul-10	-72.8	-35.51	1.282	293.4	22.29	1.282	293.4	27.53	0	0.855	-267
60	2010	193	500	12-Jul-10	-72.8	-33.1	1.255	269.4	26.58	1.255	269.4	29.28	0	0.863	-243
60	2010	193	600	12-Jul-10	-72.8	-28.97	2.107	269.9	27.15	2.107	269.9	31.07	0	0.867	-293
60	2010	193	700	12-Jul-10	-72.8	-30.04	2.218	245.5	26.98	2.218	245.5	29.99	0	0.881	-238
60	2010	193	800	12-Jul-10	-72.8	-29.36	2.917	247.1	28.61	2.917	247.1	30.6	0	0.897	-232
60	2010	193	900	12-Jul-10	-72.8	-28.72	3.638	258.7	28.6	3.638	258.7	30.6	0	0.885	-236
60	2010	193	1000	12-Jul-10	-72.8	-25.96	3.581	256.8	26.52	3.581	256.8	28.69	0	0.9	-238
60	2010	193	1100	12-Jul-10	-72.8	-24.3	3.895	261.6	25.41	3.895	261.6	26.78	0	0.891	-271
60	2010	193	1200	12-Jul-10	-72.8	-18.83	3.63	264	24.68	3.63	264	26.14	0	0.896	-211
60	2010	193	1300	12-Jul-10	-72.8	-22.45	3.346	262.9	25.23	3.346	262.9	25.92	0	0.881	-242
60	2010	193	1400	12-Jul-10	-72.8	-22.88	2.743	251	26.04	2.743	251	28.14	0	0.887	-237
60	2010	193	1500	12-Jul-10	-72.8	-28.92	2.573	261.8	28.91	2.573	261.8	31.02	0	0.862	-357
60	2010	193	1600	12-Jul-10	-72.8	-31.99	2.405	274	25.52	2.405	274	29.77	0	0.879	-243
60	2010	193	1700	12-Jul-10	-72.8	-31.97	0.91	300.5	28.22	0.91	300.5	40.09	0	0.886	-274
60	2010	193	1800	12-Jul-10	-72.8	-27.55	0.39	38.11	6.231	0.39	38.11	13.21	0	0.863	-246
60	2010	193	1900	12-Jul-10	-72.8	-31.46	0.471	19.67	13.21	0.471	19.67	31.34	0	0.859	-274
60	2010	193	2000	12-Jul-10	-72.8	-35.2	0.588	18.19	19.15	0.588	18.19	34.84	0	0.872	-208
60	2010	193	2100	12-Jul-10	-72.8	-37.83	0.656	19.81	22.58	0.656	19.81	30.83	0	0.872	-243
60	2010	193	2200	12-Jul-10	-72.8	-37.03	0.466	22.89	13.92	0.466	22.89	43.15	0	0.873	-205
60	2010	193	2300	12-Jul-10	-72.8	-37.01	0.634	13.49	20.39	0.634	13.49	38.84	0	0.874	-241
60	2010	193	2400	12-Jul-10	-72.8	-35.21	0.521	18.38	24.35	0.521	18.38	37.13	0	0.868	-510
60	2010	194	100	13-Jul-10	-72.8	-35.77	0.446	25.59	9.74	0.446	25.59	29.17	0	0.878	-244
60	2010	194	200	13-Jul-10	-72.8	-33.12	0.36	13.21	19.6	0.36	13.21	39.34	0	0.884	-234
60	2010	194	300	13-Jul-10	-72.8	-29.95	0.484	16.36	15.74	0.484	16.36	37.87	0	0.882	-203
60	2010	194	400	13-Jul-10	-72.8	-22.23	0.591	4.56	9.49	0.591	4.56	18.1	0	0.884	-214
60	2010	194	500	13-Jul-10	-72.8	6.08	1.134	298.6	24.61	1.134	298.6	26.63	0	0.888	-237
60	2010	194	600	13-Jul-10	-72.8	9.42	1.643	268.6	28.53	1.643	268.6	31.56	0	2.66	0
60	2010	194	700	13-Jul-10	-72.8	10.71	1.456	270.7	34.66	1.456	270.7	42.67	0	0.897	-233
60	2010	194	800	13-Jul-10	-72.8	13.14	1.531	271.7	38.25	1.531	271.7	47.12	0	0.911	-237
60	2010	194	900	13-Jul-10	-72.8	17.21	1.338	259.1	35.14	1.338	259.1	70.8	0	0.902	-232
60	2010	194	1000	13-Jul-10	-72.8	21.24	2.001	260.3	34.93	2.001	260.3	39.11	0	0.927	-239
60	2010	194	1100	13-Jul-10	-72.8	20.77	2.206	266.5	29.35	2.206	266.5	32.68	0	0.922	-222
60	2010	194	1200	13-Jul-10	-72.8	23.16	1.729	251.3	33.01	1.729	251.3	41.06	0	0.932	-230
60	2010	194	1300	13-Jul-10	-72.8	25.06	1.751	262.5	28.76	1.751	262.5	40.28	0	0.866	-206
60	2010	194	1400	13-Jul-10	-72.8	24.29	2.209	217.2	32.51	2.209	217.2	38.57	0	0.93	-238
60	2010	194	1500	13-Jul-10	-72.8	26.21	2.145	210	29.95	2.145	210	33.77	0	0.928	-202
60	2010	194	1600	13-Jul-10	-72.8	21.14	2.033	232.2	26.74	2.033	232.2	29.23	0	0.924	-242
60	2010	194	1700	13-Jul-10	-72.8	14.93	1.956	259.1	21.76	1.956	259.1	22.47	0	0.916	-231
60	2010	194	1800	13-Jul-10	-72.8	1.105	0.863	289.1	22.76	0.863	289.1	25.66	0	0.901	-238
60	2010	194	1900	13-Jul-10	-72.8	-19.39	0.558	12.73	15.43	0.558	12.73	19.58	0	0.548	-194
60	2010	194	2000	13-Jul-10	-72.8	-27.86	1.004	332.6	20.52	1.004	332.6	26.12	0	0.886	-240
60	2010	194	2100	13-Jul-10	-72.8	-32.02	0.769	357.3	19.82	0.769	357.3	25.29	0	0.878	-365
60	2010	194	2200	13-Jul-10	-72.8	-34.4	0.745	33.1	15.05	0.745	33.1	22.32	0	0.876	-241
60	2010	194	2300	13-Jul-10	-72.8	-36.1	0.664	29.88	15.92	0.664	29.88	22.9	0	0.877	-240
60	2010	194	2400	13-Jul-10	-72.8	-34.09	0.655	35.74	21.55	0.655	35.74	47.37	0	0.881	-238
60	2010	195	100	14-Jul-10	-72.8	-32.39	0.574	356.9	12.38	0.574	356.9	23.68	0	0.881	-268

Client = Pacific Booker Minerals

NOTE: HEADINGS NOT VERIFIED

Array ID	Year	Julian Day	Hour Minute	(Column added by KCB) Date	Hourly Average Air Temperature (Celsius)	Hourly Average Relative Humidity (%)	15 Minute Average Wind Speed (m/s)	15 Minute Average Wind Direction (degrees)	15 Minute Standard Deviation for Wind Direction (degrees)	Hourly Total Precipitation (mm)					
60	2010	195	200	14-Jul-10	-72.8	-31.92	0.716	46.01	19.86	0.716	46.01	40.37	0	0.882	-238
60	2010	195	300	14-Jul-10	-72.8	-31.96	0.578	31.88	11.96	0.578	31.88	36.35	0	0.879	-233
60	2010	195	400	14-Jul-10	-72.8	-25.88	0.64	1.783	24.8	0.64	1.783	41.65	0	0.886	-237
60	2010	195	500	14-Jul-10	-72.8	3.949	0.999	288.5	32.27	0.999	288.5	36.71	0	0.882	-355
60	2010	195	600	14-Jul-10	-72.8	7.26	1.889	291.3	26.2	1.889	291.3	35.25	0	0.896	-204
60	2010	195	700	14-Jul-10	-72.8	8.44	2.483	255.2	25.47	2.483	255.2	27.3	0	0.894	-242
60	2010	195	800	14-Jul-10	-72.8	8.28	2.087	231.4	30.17	2.087	231.4	35.51	0	0.884	-311
60	2010	195	900	14-Jul-10	-72.8	6.821	1.819	239.6	28.85	1.819	239.6	34.48	0	0.911	-206
60	2010	195	1000	14-Jul-10	-72.8	7.57	2.07	243.6	32.56	2.07	243.6	35.03	0	0.919	-209
60	2010	195	1100	14-Jul-10	-72.8	4.91	2.062	253	28.62	2.062	253	32.49	0	0.909	-211
60	2010	195	1200	14-Jul-10	-72.8	3.976	1.83	209.7	31.3	1.83	209.7	43.97	0	0.904	-278
60	2010	195	1300	14-Jul-10	-72.8	7.34	1.841	242.9	30.48	1.841	242.9	34.47	0	0.92	-206
60	2010	195	1400	14-Jul-10	-72.8	3.847	2.016	230.9	28.77	2.016	230.9	31.47	0	0.916	-229
60	2010	195	1500	14-Jul-10	-72.8	-5.339	2.2	237.3	29.94	2.2	237.3	33.21	0	0.265	-282
60	2010	195	1600	14-Jul-10	-72.8	-14.64	2.222	267.3	21.27	2.222	267.3	22.05	0	0.909	-212
60	2010	195	1700	14-Jul-10	-72.8	-18.88	1.798	289.5	27.06	1.798	289.5	28.29	0	0.905	-231
60	2010	195	1800	14-Jul-10	-72.8	-21.89	1.261	290.1	21.88	1.261	290.1	23.29	0	0.895	-271
60	2010	195	1900	14-Jul-10	-72.8	-27.86	0.609	318.8	16.34	0.609	318.8	26.56	0	0.886	-246
60	2010	195	2000	14-Jul-10	-72.8	-26.05	1.405	286.6	19.71	1.405	286.6	21.69	0	0.898	-241
60	2010	195	2100	14-Jul-10	-72.8	-22.78	1.357	292.4	25.47	1.357	292.4	27.58	0	0.896	-208
60	2010	195	2200	14-Jul-10	-72.8	-23.9	0.568	324.1	21.2	0.568	324.1	25.22	0	0.895	-235
60	2010	195	2300	14-Jul-10	-72.8	-27.6	0.564	344.4	15.89	0.564	344.4	22.7	0	0.896	-246
60	2010	195	2400	14-Jul-10	-72.8	-34.18	0.511	357.9	11.28	0.511	357.9	15.02	0	0.874	-322
60	2010	196	100	15-Jul-10	-72.8	-37.92	0.547	43.95	8.79	0.547	43.95	14.68	0	0.879	-235
60	2010	196	200	15-Jul-10	-72.8	-37.5	0.318	28.36	19.87	0.318	28.36	29.59	0	0.878	-243
60	2010	196	300	15-Jul-10	-72.8	-31.79	0.633	340.6	18.24	0.633	340.6	32.31	0	0.881	-247
60	2010	196	400	15-Jul-10	-72.8	-17.14	0.648	307.5	20.15	0.648	307.5	25.48	0	0.882	-251
60	2010	196	500	15-Jul-10	-72.8	-18.1	1.016	256.2	23.42	1.016	256.2	31.35	0	0.894	-232
60	2010	196	600	15-Jul-10	-72.8	-19.76	0.988	292.8	26.58	0.988	292.8	32.32	0	0.857	-363
60	2010	196	700	15-Jul-10	-72.8	-13.65	1.83	264.3	24.87	1.83	264.3	32.59	0	0.895	-237
60	2010	196	800	15-Jul-10	-72.8	-11.24	2.137	255.4	26.41	2.137	255.4	31.47	0	0.896	-234
60	2010	196	900	15-Jul-10	-72.8	-13.49	2.707	250.5	26.6	2.707	250.5	31.58	0	0.894	-208
60	2010	196	1000	15-Jul-10	-72.8	-15.46	2.935	246.4	24.09	2.935	246.4	26.24	0	0.905	-204
60	2010	196	1100	15-Jul-10	-72.8	-10.41	2.812	241.5	29.39	2.812	241.5	33.99	0	0.913	-318
60	2010	196	1200	15-Jul-10	-72.8	-1.821	2.763	219.2	33.73	2.763	219.2	37.18	0	0.248	-238
60	2010	196	1300	15-Jul-10	-72.8	0.315	3.042	208.6	32.7	3.042	208.6	36.9	0	0.869	-287
60	2010	196	1400	15-Jul-10	-72.8	-8.7	3.052	217	30.87	3.052	217	35.4	0	0.908	-246
60	2010	196	1500	15-Jul-10	-72.8	-14.65	2.698	221	28.29	2.698	221	31.8	0	0.902	-226
60	2010	196	1600	15-Jul-10	-72.8	-17.34	2.54	238.3	28.76	2.54	238.3	32.26	0	0.625	-192
60	2010	196	1700	15-Jul-10	-72.8	-25.31	2.119	234.9	30.49	2.119	234.9	33.13	0	0.89	-286
60	2010	196	1800	15-Jul-10	-72.8	-32.52	1.348	245.9	30.86	1.348	245.9	35.65	0	0.874	-244
60	2010	196	1900	15-Jul-10	-72.8	-35.91	1.174	286.1	29.13	1.174	286.1	33.5	0	0.848	-289
60	2010	196	2000	15-Jul-10	-72.8	-37.75	0.483	341.3	11.36	0.483	341.3	17.28	0	0.874	-238
60	2010	196	2100	15-Jul-10	-72.8	-40.83	0.407	6.237	8.03	0.407	6.237	13.35	0	0.865	-247
60	2010	196	2200	15-Jul-10	-72.8	-42.29	0.366	4.994	8.58	0.366	4.994	13.15	0	0.866	-312
60	2010	196	2300	15-Jul-10	-72.8	-43.18	0.412	6.003	10.13	0.412	6.003	15.38	0	0.863	-209
60	2010	196	2400	15-Jul-10	-72.8	-43.68	0.349	3.207	12.7	0.349	3.207	23.19	0	0.859	-233
60	2010	197	100	16-Jul-10	-72.8	-43.93	0.41	0.675	8.89	0.41	0.675	24.41	0	0.856	-236
60	2010	197	200	16-Jul-10	-72.8	-43.97	0.332	356.5	11.14	0.332	356.5	31.09	0	0.849	-268
60	2010	197	300	16-Jul-10	-72.8	-43.42	0.362	3.311	3.714	0.362	3.311	18.63	0	0.844	-310
60	2010	197	400	16-Jul-10	-72.8	-40.44	0.56	7.58	7.13	0.56	7.58	12.06	0	0.863	-283
60	2010	197	500	16-Jul-10	-72.8	-18.18	1.13	311	27.42	1.13	311	31.48	0	0.887	-210
60	2010	197	600	16-Jul-10	-72.8	-5.301	1.671	270.1	28.48	1.671	270.1	33.81	0	0.884	-245
60	2010	197	700	16-Jul-10	-72.8	-2.651	1.849	256.2	30.27	1.849	256.2	36.95	0	0.893	-247
60	2010	197	800	16-Jul-10	-72.8	-1.806	2.131	249.7	33.99	2.131	249.7	37.66	0	0.892	-235
60	2010	197	900	16-Jul-10	-72.8	-2.919	2.438	247.1	29.33	2.438	247.1	31.42	0	0.919	-316
60	2010	197	1000	16-Jul-10	-72.8	-0.498	2.788	254.1	28.61	2.788	254.1	33.09	0	0.912	-231
60	2010	197	1100	16-Jul-10	-72.8	1.533	2.915	260.3	26.77	2.915	260.3	30.34	0	0.9	-274
60	2010	197	1200	16-Jul-10	-72.8	3.03	2.628	260.8	26.66	2.628	260.8	31.5	0	0.916	-236
60	2010	197	1300	16-Jul-10	-72.8	4.935	2.688	263.2	24.38	2.688	263.2	29.14	0	0.918	-272
60	2010	197	1400	16-Jul-10	-72.8	5.514	2.666	259	22.77	2.666	259	25.79	0	0.924	-226
60	2010	197	1500	16-Jul-10	-72.8	4.869	2.365	260.9	25.28	2.365	260.9	29.71	0	0.922	-227
60	2010	197	1600	16-Jul-10	-72.8	1.831	1.906	249.4	27.33	1.906	249.4	29.27	0	0.922	-206
60	2010	197	1700	16-Jul-10	-72.8	-5.377	1.959	252.9	21.82	1.959	252.9	23.83	0	0.917	-201
60	2010	197	1800	16-Jul-10	-72.8	-17.47	1.751	274.9	21.76	1.751	274.9	23	0	0.886	-238
60	2010	197	1900	16-Jul-10	-72.8	-30.58	0.927	308	16.68	0.927	308	17.75	0	0.896	-233
60	2010	197	2000	16-Jul-10	-72.8	-37.32	0.499	351.9	16.83	0.499	351.9	21.28	0	0.874	-209
60	2010	197	2100	16-Jul-10	-72.8	-39.76	0.582	359.2	15.55	0.582	359.2	23.04	0	0.871	-231
60	2010	197	2200	16-Jul-10	-72.8	-39.99	0.691	333.7	16.45	0.691	333.7	22.46	0	0.869	-232
60	2010	197	2300	16-Jul-10	-72.8	-40.94	0.638	5.561	12.98	0.638	5.561	18.3	0	0.868	-209
60	2010	197	2400	16-Jul-10	-72.8	-41.74	0.603	350.9	9.92	0.603	350.9	16.72	0	0.865	-278
60	2010	198	100	17-Jul-10	-72.8	-41.99	0.606	0.322	9.56	0.606	0.322	18.74	0	0.867	-239
60	2010	198	200	17-Jul-10	-72.8	-41.86	0.471	354.7	9.57	0.471	354.7	12.88	0	0.867	-243
60	2010	198	300	17-Jul-10	-72.8	-41.31	0.622	350.8	8.82	0.622	350.8	13.64	0	0.87	-208
60	2010	198	400	17-Jul-10	-72.8	-37.19	0.854	351.3	14.7	0.854	351.3	15.75	0	0.881	-208
60	2010	198	500	17-Jul-10	-72.8	-10.22	1.146	322.1	23.78	1.146	322.1	27.58	0	0.854	-237
60	2010	198	600	17-Jul-10	-72.8	0.338	1.735	277.2	28.5	1.735	277.2	34.33	0	0.85	-315
60	2010	198	700	17-Jul-10	-72.8	0.967	1.916	263	27.72	1.916	263	37.22	0	0.89	-280
60	2010	198	800	17-Jul-10	-72.8	2.723	1.34	269.3	39.94	1.34	269.3	55.68	0	0.913	-230
60	2010	198	900	17-Jul-10	-72.8	6.202	1.621	267.6	37.49	1.621	267.6	51.11	0	0.901	-245
60	2010	198	1000	17-Jul-10	-72.8	8.44	1.971	270.9	28.85	1.971	270.9	40.4	0	0.904	-234
60	2010	198	1100	17-Jul-10	-72.8	9.53	2.177	236.8	34.9	2.177	236.8	39.83	0	0.915	-232
60	2010	198	1200	17-Jul-10	-72.8	10.9	2.307	184.3	31.36	2.307	184.3	39.66	0	0.914	-235
60	2010	198	1300	17-Jul-10	-72.8	10.14	2.431	219.5	32.1	2.431	219.5	39.58	0	0.924	-248
60	2010	198	1400	17-Jul-10	-72.8	6.017	2.42	233	28.93	2.42	233	32.93	0	0.923	-204
60	2010	198	1500	17-Jul-10	-72.8	0.468	2.744	252.1	24.88	2.744	252.1	26.88	0	0.917	-202
60	2010	198	1600	17-Jul-10	-72.8	-10	2.739	253	26.2	2.739	253	26.9	0	0.908	-203
60	2010	198	1700	17-Jul-10	-72.8	-21.32	2.405	247.5	28.13	2.405	247.5	29.5	0	0.908	-211
60	2010	198	1800	17-Jul-10	-72.8	-31.76	1.866	254.7	29.18	1.866	254.7	30.13	0	0.898	-234
60	2010	198	1900	17-Jul-10	-72.8	-37.77	1.085	321.3	18.29	1.085	321.3	20.82	0	0.881	-235
60	2010	198	2000	17-Jul-10	-72.8	-41.07	0.516	17.95	11.02	0.516	17.95	16.09	0	0.876	-230
60	2010	198	2100	17-Jul-10	-72.8	-42.27	0.503	25.23	6.13	0.503	25.23	10.26	0	0.879	-203

Client = Pacific Booker Minerals

NOTE: HEADINGS NOT VERIFIED

Array ID	Year	Julian Day	Hour Minute	(Column added by KCB) Date	Hourly Average Air Temperature (Celsius)	Hourly Average Relative Humidity (%)	15 Minute Average Wind Speed (m/s)	15 Minute Average Wind Direction (degrees)	15 Minute Standard Deviation for Wind Direction (degrees)	Hourly Total Precipitation (mm)					
60	2010	198	2200	17-Jul-10	-72.8	-41.76	0.514	13.61	10.95	0.514	13.61	18.94	0	0.883	-206
60	2010	198	2300	17-Jul-10	-72.8	-39.43	0.589	331.5	11.7	0.589	331.5	16.77	0	0.881	-231
60	2010	198	2400	17-Jul-10	-72.8	-38.98	0.634	340.1	7.84	0.634	340.1	12.14	0	0.871	-235
60	2010	199	100	18-Jul-10	-72.8	-40.48	0.574	348.9	11.76	0.574	348.9	16.1	0	0.855	-243
60	2010	199	200	18-Jul-10	-72.8	-41.27	0.593	340.7	13.63	0.593	340.7	20.13	0	0.86	-241
60	2010	199	300	18-Jul-10	-72.8	-39.69	0.567	335	13.76	0.567	335	17.34	0	0.866	-211
60	2010	199	400	18-Jul-10	-72.8	-33.44	0.629	345.5	11.7	0.629	345.5	13.38	0	0.889	-243
60	2010	199	500	18-Jul-10	-72.8	-5.685	1.239	304.7	30.63	1.239	304.7	37.62	0	0.778	-317
60	2010	199	600	18-Jul-10	-72.8	2.846	1.593	273.9	27.98	1.593	273.9	33.92	0	0.893	-241
60	2010	199	700	18-Jul-10	-72.8	3.735	1.956	275.4	28.49	1.956	275.4	38.11	0	0.921	-241
60	2010	199	800	18-Jul-10	-72.8	5.982	1.809	239.4	34.6	1.809	239.4	46.79	0	0.915	-209
60	2010	199	900	18-Jul-10	-72.8	11.53	1.961	235.3	28.65	1.961	235.3	34.25	0	0.879	-274
60	2010	199	1000	18-Jul-10	-72.8	15.92	2.186	241.7	30.38	2.186	241.7	38.36	0	0.892	-502
60	2010	199	1100	18-Jul-10	-72.8	17.06	2.1	256.7	29.48	2.1	256.7	31.33	0	0.931	-206
60	2010	199	1200	18-Jul-10	-72.8	20.89	1.811	254	36	1.811	254	40.26	0	0.915	-237
60	2010	199	1300	18-Jul-10	-72.8	14.56	1.195	265.6	21.39	1.195	265.6	26.92	0	0.93	-203
60	2010	199	1400	18-Jul-10	-72.8	8.02	1.309	239	26.55	1.309	239	30.42	0	0.931	-206
60	2010	199	1500	18-Jul-10	-72.8	5.287	2.341	257.8	24.77	2.341	257.8	27.25	0	0.921	-281
60	2010	199	1600	18-Jul-10	-72.8	1.065	2.104	266.5	22.96	2.104	266.5	24.23	0	0.908	-281
60	2010	199	1700	18-Jul-10	-72.8	-5.658	0.868	286.4	21.68	0.868	286.4	27.33	0	0.918	-237
60	2010	199	1800	18-Jul-10	-72.8	-10.09	0.164	21.74	13.72	0.164	21.74	17.93	0	0.896	-313
60	2010	199	1900	18-Jul-10	-72.8	-18.48	0.633	327.6	15.65	0.633	327.6	21.13	0	0.896	-273
60	2010	199	2000	18-Jul-10	-72.8	-24.04	0.69	41.58	11.42	0.69	41.58	21.09	0	0.757	-279
60	2010	199	2100	18-Jul-10	-72.8	-24.32	0.496	19.08	11.9	0.496	19.08	19.57	0	0.765	-273
60	2010	199	2200	18-Jul-10	-72.8	-25.42	0.499	21.56	12.07	0.499	21.56	31.23	0	0.815	-453
60	2010	199	2300	18-Jul-10	-72.8	-23.98	0.228	1.321	6.008	0.228	1.321	11.91	0	0.829	-239
60	2010	199	2400	18-Jul-10	-72.8	-22.82	0.269	357.6	6.748	0.269	357.6	29.76	0	0.818	-242
60	2010	200	100	19-Jul-10	-72.8	-29.57	0.278	357.5	5.672	0.278	357.5	27.77	0	0.82	-280
60	2010	200	200	19-Jul-10	-72.8	-34.19	0.271	355.4	9.33	0.271	355.4	20.33	0	0.879	-280
60	2010	200	300	19-Jul-10	-72.8	-34.61	0.298	354.4	8.69	0.298	354.4	20.84	0	0.877	-277
60	2010	200	400	19-Jul-10	-72.8	-30.15	0.28	343.8	6.414	0.28	343.8	11.39	0	0.881	-279
60	2010	200	500	19-Jul-10	-72.8	4.472	0.509	247.1	22.67	0.509	247.1	32.75	0	0.917	-232
60	2010	200	600	19-Jul-10	-72.8	14.07	1.365	282.9	28.45	1.365	282.9	41.18	0	0.917	-207
60	2010	200	700	19-Jul-10	-72.8	11.68	1.319	282.5	30.37	1.319	282.5	41.34	0	0.923	-233
60	2010	200	800	19-Jul-10	-72.8	15.77	1.561	284.9	26.77	1.561	284.9	35.83	0	0.894	-283
60	2010	200	900	19-Jul-10	-72.8	21.41	1.685	269.7	29.84	1.685	269.7	40.81	0	0.913	-322
60	2010	200	1000	19-Jul-10	-72.8	26.21	1.743	254.8	34.47	1.743	254.8	52.69	0	0.926	-274
60	2010	200	1100	19-Jul-10	-72.8	25.48	1.572	274.6	36.27	1.572	274.6	42.96	0	0.924	-242
60	2010	200	1200	19-Jul-10	-72.8	24.73	1.818	295.3	32.34	1.818	295.3	54.42	0	0.891	-255
60	2010	200	1300	19-Jul-10	-72.8	21.21	1.175	248	22.97	1.175	248	44.29	0	0.924	-530
60	2010	200	1400	19-Jul-10	-72.8	14.48	0.838	304.9	22.14	0.838	304.9	31.43	0	0.933	-207
60	2010	200	1500	19-Jul-10	-72.8	16.96	1.174	329.8	25	1.174	329.8	50.5	0	0.941	-244
60	2010	200	1600	19-Jul-10	-72.8	10.91	0.239	283.2	8.5	0.239	283.2	23.45	0	0.922	-205
60	2010	200	1700	19-Jul-10	-72.8	7.74	0.267	258	8.21	0.267	258	15.09	0	0.919	-211
60	2010	200	1800	19-Jul-10	-72.8	3.367	0.648	5.154	10.51	0.648	5.154	32.79	0	0.897	-281
60	2010	200	1900	19-Jul-10	-72.8	-9.46	0.605	342.1	22.34	0.605	342.1	30.45	0	0.901	-212
60	2010	200	2000	19-Jul-10	-72.8	-13.11	0.764	328.1	20.11	0.764	328.1	47.04	0	0.777	-273
60	2010	200	2100	19-Jul-10	-72.8	-14.65	0.506	23.07	20.08	0.506	23.07	43.09	0	0.89	-250
60	2010	200	2200	19-Jul-10	-72.8	-21.89	0.463	4.513	13.27	0.463	4.513	24.05	0	0.878	-278
60	2010	200	2300	19-Jul-10	-72.8	-27.08	0.399	357.9	12.15	0.399	357.9	30.56	0	0.876	-250
60	2010	200	2400	19-Jul-10	-72.8	-31.38	0.371	357.6	12.7	0.371	357.6	24.35	0	0.875	-241
60	2010	201	100	20-Jul-10	-72.8	-32.61	0.373	350.1	8.48	0.373	350.1	29.65	0	0.873	-244
60	2010	201	200	20-Jul-10	-72.8	-32.42	0.291	357.7	8.34	0.291	357.7	22.42	0	0.81	-312
60	2010	201	300	20-Jul-10	-72.8	-34.74	0.26	353.1	6.444	0.26	353.1	16.25	0	0.812	-279
60	2010	201	400	20-Jul-10	-72.8	-30.3	0.473	332.3	11.15	0.473	332.3	17.64	0	0.892	-238
60	2010	201	500	20-Jul-10	-72.8	6.178	0.983	257.6	23.32	0.983	257.6	27.65	0	0.881	-276
60	2010	201	600	20-Jul-10	-72.8	16.17	1.519	251.3	24.33	1.519	251.3	26.44	0	0.92	-589
60	2010	201	700	20-Jul-10	-72.8	14.42	1.621	250.7	24.12	1.621	250.7	28.76	0	0.898	-290
60	2010	201	800	20-Jul-10	-72.8	17.95	1.02	231	34.34	1.02	231	43.27	0	0.928	-240
60	2010	201	900	20-Jul-10	-72.8	22.96	1.145	217.2	36.74	1.145	217.2	60.28	0	0.921	-241
60	2010	201	1000	20-Jul-10	-72.8	25.84	1.466	174.6	37.46	1.466	174.6	41.78	0	0.598	-195
60	2010	201	1100	20-Jul-10	-72.8	28.13	1.729	146.3	32.55	1.729	146.3	51.93	0	0.932	-208
60	2010	201	1200	20-Jul-10	-72.8	29.08	1.501	159.3	38.11	1.501	159.3	55.14	0	0.909	-237
60	2010	201	1300	20-Jul-10	-72.8	21.93	1.876	196.5	30.65	1.876	196.5	34.98	0	0.938	-243
60	2010	201	1400	20-Jul-10	-72.8	20.75	1.034	183.5	31.71	1.034	183.5	73.8	0	0.928	-277
60	2010	201	1500	20-Jul-10	-72.8	23.78	1.562	229.5	26.14	1.562	229.5	41.73	0	0.935	-236
60	2010	201	1600	20-Jul-10	-72.8	20.59	1.582	203.3	35.19	1.582	203.3	39.58	0	0.899	-236
60	2010	201	1700	20-Jul-10	-72.8	9.5	1.315	271.9	21.86	1.315	271.9	23.17	0	0.929	-242
60	2010	201	1800	20-Jul-10	-72.8	-4.601	1.038	310.5	18.89	1.038	310.5	22.21	0	0.906	-211
60	2010	201	1900	20-Jul-10	-72.8	-23.81	0.878	339.7	19.85	0.878	339.7	26.5	0	0.77	-390
60	2010	201	2000	20-Jul-10	-72.8	-30.77	0.695	351.8	15.45	0.695	351.8	20.93	0	0.702	-245
60	2010	201	2100	20-Jul-10	-72.8	-34.97	0.507	13.27	13.38	0.507	13.27	18.83	0	0.886	-281
60	2010	201	2200	20-Jul-10	-72.8	-37.87	0.271	355	15.41	0.271	355	26.32	0	0.788	-351
60	2010	201	2300	20-Jul-10	-72.8	-38.94	0.314	352.9	5.493	0.314	352.9	11.35	0	0.783	-320
60	2010	201	2400	20-Jul-10	-72.8	-38.96	0.393	1.303	8.33	0.393	1.303	20.32	0	0.866	-249
60	2010	202	100	21-Jul-10	-72.8	-38.7	0.521	14.49	16.5	0.521	14.49	28.16	0	0.759	-401
60	2010	202	200	21-Jul-10	-72.8	-38.35	0.336	18.97	4.265	0.336	18.97	24.44	0	0.872	-286
60	2010	202	300	21-Jul-10	-72.8	-36.28	0.282	352.7	10.04	0.282	352.7	30.94	0	0.782	-313
60	2010	202	400	21-Jul-10	-72.8	-22.53	0.392	346.8	17.41	0.392	346.8	44.18	0	0.905	-272
60	2010	202	500	21-Jul-10	-72.8	6.453	0.584	239.4	28.4	0.584	239.4	38.1	0	0.896	-246
60	2010	202	600	21-Jul-10	-72.8	12.39	1.083	264.6	29.77	1.083	264.6	41.17	0	0.916	-512
60	2010	202	700	21-Jul-10	-72.8	8.67	1.714	268.9	27.61	1.714	268.9	33.49	0	0.87	-240
60	2010	202	800	21-Jul-10	-72.8	11.65	1.606	259.2	29.76	1.606	259.2	37.28	0	0.913	-240
60	2010	202	900	21-Jul-10	-72.8	13.38	1.324	249	39.49	1.324	249	61.07	0	0.923	-238
60	2010	202	1000	21-Jul-10	-72.8	13.4	1.48	269.2	35.29	1.48	269.2	60.36	0	0.926	-252
60	2010	202	1100	21-Jul-10	-72.8	13.31	2.167	202.5	32.56	2.167	202.5	39.51	0	0.913	-239
60	2010	202	1200	21-Jul-10	-72.8	8.29	1.845	220	32.04	1.845	220	34.97	0	0.914	-210
60	2010	202	1300	21-Jul-10	-72.8	-1.596	2.468	262.3	23.28	2.468	262.3	24.44	0.254	0.863	-281
60	2010	202	1400	21-Jul-10	-72.8	-7.76	1.952	228.1	39.06	1.952	228.1	45.11	1.016	0.835	-248
60	2010	202	1500	21-Jul-10	-72.8	-4.156	0.549	56.51	24.96	0.549	56.51	43.37	0.762	0.853	-236
60	2010	202	1600	21-Jul-10	-72.8	-1.963	1.26	236.6	27.8	1.26	236.6	39.7	1.016	0.773	-249
60	2010	202	1700	21-Jul-10	-72.8	-9.63	1.404	294.6	25.1	1.404	294.6	27.05	0.254	0.874	-239

Client = Pacific Booker Minerals

NOTE: HEADINGS NOT VERIFIED

Array ID	Year	Julian Day	Hour Minute	(Column added by KCB) Date	Hourly Average Air Temperature (Celsius)	Hourly Average Relative Humidity (%)	15 Minute Average Wind Speed (m/s)	15 Minute Average Wind Direction (degrees)	15 Minute Standard Deviation for Wind Direction (degrees)	Hourly Total Precipitation (mm)				
60	2010	202	1800	21-Jul-10	-72.8	-12.89	1.132	301.5	24.1	1.132	301.5	25.86	0	0.877	-238
60	2010	202	1900	21-Jul-10	-72.8	-16.02	0.783	330.6	17.74	0.783	330.6	18.75	0	0.87	-274
60	2010	202	2000	21-Jul-10	-72.8	-18.42	0.83	336.5	11.63	0.83	336.5	19.48	0	0.862	-282
60	2010	202	2100	21-Jul-10	-72.8	-20.81	0.652	321.2	14.39	0.652	321.2	18.82	0	0.843	-287
60	2010	202	2200	21-Jul-10	-72.8	-19.7	0.809	319.4	13.85	0.809	319.4	17.96	0	0.837	-230
60	2010	202	2300	21-Jul-10	-72.8	-18.18	0.586	339.9	14.67	0.586	339.9	19.93	0.254	0.834	-204
60	2010	202	2400	21-Jul-10	-72.8	-19.14	0.23	29.52	5.927	0.23	29.52	10.23	0	0.848	-237
60	2010	203	100	22-Jul-10	-72.8	-18.21	0.14	322.4	9.6	0.14	322.4	16.38	0.254	0.842	-238
60	2010	203	200	22-Jul-10	-72.8	-17.18	0.488	316.7	17.74	0.488	316.7	25.51	0.254	0.849	-246
60	2010	203	300	22-Jul-10	-72.8	-17.3	0.659	303.5	23.05	0.659	303.5	25.1	0.508	0.908	-285
60	2010	203	400	22-Jul-10	-72.8	-16.92	0.476	320.4	17.98	0.476	320.4	23.41	0.762	0.798	-313
60	2010	203	500	22-Jul-10	-72.8	-15.31	0.893	323.1	22.15	0.893	323.1	24.11	0	0.866	-242
60	2010	203	600	22-Jul-10	-72.8	-8.38	1.16	305	25.15	1.16	305	27.29	0	0.852	-270
60	2010	203	700	22-Jul-10	-72.8	4.46	1.198	288	25.96	1.198	288	29.51	0	0.943	-327
60	2010	203	800	22-Jul-10	-72.8	10.19	1.814	281.1	23.3	1.814	281.1	25.82	0	0.891	-316
60	2010	203	900	22-Jul-10	-72.8	15.66	2.188	275.8	24.3	2.188	275.8	27.08	0	0.879	-241
60	2010	203	1000	22-Jul-10	-72.8	16.06	2.474	260.8	22.43	2.474	260.8	24.68	0	0.898	-232
60	2010	203	1100	22-Jul-10	-72.8	13.53	2.767	268	22.98	2.767	268	24.29	0	0.886	-271
60	2010	203	1200	22-Jul-10	-72.8	11.34	2.723	264.1	24.6	2.723	264.1	26.39	0	0.885	-209
60	2010	203	1300	22-Jul-10	-72.8	8.65	3.037	265.8	24.04	3.037	265.8	24.84	0	0.861	-270
60	2010	203	1400	22-Jul-10	-72.8	6.738	2.519	269.3	26.32	2.519	269.3	27.57	0	0.871	-244
60	2010	203	1500	22-Jul-10	-72.8	4.991	2.177	287.4	26.81	2.177	287.4	28.63	0	0.902	-209
60	2010	203	1600	22-Jul-10	-72.8	3.308	2.26	299.2	24.34	2.26	299.2	26.29	0	0.895	-451
60	2010	203	1700	22-Jul-10	-72.8	-0.003	1.524	289.8	28.89	1.524	289.8	30.49	0	0.888	-428
60	2010	203	1800	22-Jul-10	-72.8	-13.13	0.944	309.7	18.17	0.944	309.7	22.13	0	0.839	-284
60	2010	203	1900	22-Jul-10	-72.8	-26.84	0.418	317.4	15.61	0.418	317.4	27.47	0	0.827	-279
60	2010	203	2000	22-Jul-10	-72.8	-33.38	0.404	0.67	11.69	0.404	0.67	21.37	0	0.829	-240
60	2010	203	2100	22-Jul-10	-72.8	-36.81	0.785	316.4	9.88	0.785	316.4	14.36	0	0.862	-280
60	2010	203	2200	22-Jul-10	-72.8	-36.48	0.473	11.79	6.938	0.473	11.79	12.1	0	0.864	-244
60	2010	203	2300	22-Jul-10	-72.8	-36.75	0.384	15.8	5.412	0.384	15.8	16.8	0	0.862	-271
60	2010	203	2400	22-Jul-10	-72.8	-35.7	0.202	10.11	7.18	0.202	10.11	24.37	0	0.866	-245
60	2010	204	100	23-Jul-10	-72.8	-34.35	0.352	35.01	8.65	0.352	35.01	27.47	0	0.853	-539
60	2010	204	200	23-Jul-10	-72.8	-36.83	0.485	26.55	9.49	0.485	26.55	31.54	0	0.842	-282
60	2010	204	300	23-Jul-10	-72.8	-34.74	0.399	38.02	13.66	0.399	38.02	48.99	0	0.866	-253
60	2010	204	400	23-Jul-10	-72.8	-27.14	0.517	295.3	17.14	0.517	295.3	53.41	0	0.847	-274
60	2010	204	500	23-Jul-10	-72.8	-3.276	0.941	120.3	29.64	0.941	120.3	61.56	0	0.855	-207
60	2010	204	600	23-Jul-10	-72.8	12.96	1.462	118.1	28.53	1.462	118.1	38.41	0	0.86	-239
60	2010	204	700	23-Jul-10	-72.8	17.4	1.7	102.2	40.43	1.7	102.2	44.78	0	0.88	-213
60	2010	204	800	23-Jul-10	-72.8	19.55	2.344	90	34.76	2.344	90	36.84	0	0.891	-279
60	2010	204	900	23-Jul-10	-72.8	22.01	2.247	100.3	39.24	2.247	100.3	42.17	0	0.905	-498
60	2010	204	1000	23-Jul-10	-72.8	23.28	2.847	121.3	32.68	2.847	121.3	35.27	0	0.931	-201
60	2010	204	1100	23-Jul-10	-72.8	25.32	2.544	130.9	36.24	2.544	130.9	41.75	0	0.943	-211
60	2010	204	1200	23-Jul-10	-72.8	23.59	2.645	128.1	30.21	2.645	128.1	32.24	0	0.917	-249
60	2010	204	1300	23-Jul-10	-72.8	14.56	2.461	146	30.72	2.461	146	33.05	0	0.902	-278
60	2010	204	1400	23-Jul-10	-72.8	14.57	2.271	152.6	29.66	2.271	152.6	31.23	0	0.905	-236
60	2010	204	1500	23-Jul-10	-72.8	7.57	2.518	179.9	42.17	2.518	179.9	43.28	0.254	0.897	-249
60	2010	204	1600	23-Jul-10	-72.8	5.333	2.222	171.1	37.13	2.222	171.1	38.31	0	0.768	-286
60	2010	204	1700	23-Jul-10	-72.8	-3.289	2.856	171.6	33.38	2.856	171.6	34.68	0	0.892	-414
60	2010	204	1800	23-Jul-10	-72.8	-15.97	1.939	152.9	46.38	1.939	152.9	50.95	0	0.911	-207
60	2010	204	1900	23-Jul-10	-72.8	-28.42	1.304	100.3	24.73	1.304	100.3	38.1	0	0.896	-239
60	2010	204	2000	23-Jul-10	-72.8	-35.16	0.75	94	28.68	0.75	94	39.06	0	0.876	-267
60	2010	204	2100	23-Jul-10	-72.8	-38.94	0.727	314.5	21.24	0.727	314.5	37.86	0	0.885	-240
60	2010	204	2200	23-Jul-10	-72.8	-37.41	0.547	2.816	18.56	0.547	2.816	43.32	0	0.879	-243
60	2010	204	2300	23-Jul-10	-72.8	-33.01	1.334	281.6	22.68	1.334	281.6	29.2	0.254	0.877	-361
60	2010	204	2400	23-Jul-10	-72.8	-31.26	1.529	300.9	23.28	1.529	300.9	29.72	1.016	0.819	-274
60	2010	205	100	24-Jul-10	-72.8	-31.27	1.072	322.5	19.45	1.072	322.5	23.53	0	0.635	-209
60	2010	205	200	24-Jul-10	-72.8	-33.96	0.682	7.64	17.2	0.682	7.64	29.11	0	0.724	-277
60	2010	205	300	24-Jul-10	-72.8	-35.27	0.544	16.03	10.15	0.544	16.03	17.36	0	0.841	-314
60	2010	205	400	24-Jul-10	-72.8	-34.17	0.35	11.37	10.65	0.35	11.37	16.64	0	0.842	-448
60	2010	205	500	24-Jul-10	-72.8	-19.04	0.346	355.5	15.29	0.346	355.5	36.02	0	0.84	-268
60	2010	205	600	24-Jul-10	-72.8	-6.186	0.672	27.06	19.06	0.672	27.06	24.19	0	0.855	-286
60	2010	205	700	24-Jul-10	-72.8	-6.139	1.393	174.5	32.07	1.393	174.5	40.72	0	0.878	-266
60	2010	205	800	24-Jul-10	-72.8	-4.342	2.481	244.6	27.99	2.481	244.6	31.65	0	0.889	-284
60	2010	205	900	24-Jul-10	-72.8	-4.83	2.511	261.5	25.52	2.511	261.5	27.2	0	0.903	-234
60	2010	205	1000	24-Jul-10	-72.8	2.432	2.696	224	27.81	2.696	224	32.39	0	0.895	-206
60	2010	205	1100	24-Jul-10	-72.8	1.36	2.667	250.2	28.15	2.667	250.2	33.87	0	0.875	-349
60	2010	205	1200	24-Jul-10	-72.8	2.402	2.601	241.9	29.85	2.601	241.9	32.92	0	2.66	0
60	2010	205	1300	24-Jul-10	-72.8	-4.159	2.877	262.3	23.09	2.877	262.3	25.41	0	0.888	-307
60	2010	205	1400	24-Jul-10	-72.8	-4.905	2.494	256.6	24.23	2.494	256.6	28.11	0	0.873	-245
60	2010	205	1500	24-Jul-10	-72.8	-7.04	2.003	237.9	32.82	2.003	237.9	36.38	0	0.891	-436
60	2010	205	1600	24-Jul-10	-72.8	-12.87	1.91	216.1	34.83	1.91	216.1	37.19	0	0.889	-564
60	2010	205	1700	24-Jul-10	-72.8	-15.99	2.544	257.8	24.11	2.544	257.8	24.67	0	0.883	-240
60	2010	205	1800	24-Jul-10	-72.8	-21.57	2.415	267.5	21.88	2.415	267.5	23.42	0	0.884	-238
60	2010	205	1900	24-Jul-10	-72.8	-28.91	1.08	302	18.29	1.08	302	27.61	0	0.871	-578
60	2010	205	2000	24-Jul-10	-72.8	-36.75	1.081	316.7	15.7	1.081	316.7	20.47	0	0.866	-275
60	2010	205	2100	24-Jul-10	-72.8	-39.9	0.734	314.1	15.49	0.734	314.1	22.68	0	0.855	-282
60	2010	205	2200	24-Jul-10	-72.8	-41.79	0.562	321.7	8.74	0.562	321.7	20.96	0	0.834	-313
60	2010	205	2300	24-Jul-10	-72.8	-42.8	0.279	2.908	11.15	0.279	2.908	16.19	0	0.851	-241
60	2010	205	2400	24-Jul-10	-72.8	-43.27	0.434	351.2	9.46	0.434	351.2	15.97	0	0.851	-284
60	2010	206	100	25-Jul-10	-72.8	-43.43	0.419	6.31	13.93	0.419	6.31	25.7	0	0.773	-282
60	2010	206	200	25-Jul-10	-72.8	-43.47	0.367	8.32	8.72	0.367	8.32	22.98	0	0.84	-278
60	2010	206	300	25-Jul-10	-72.8	-43.15	0.431	17.08	8.95	0.431	17.08	18.44	0	0.844	-243
60	2010	206	400	25-Jul-10	-72.8	-40.89	0.351	351.3	8.18	0.351	351.3	21.22	0	0.862	-240
60	2010	206	500	25-Jul-10	-72.8	-21.5	1.131	318.8	23.16	1.131	318.8	26	0	0.839	-316
60	2010	206	600	25-Jul-10	-72.8	-2.277	1.696	286.3	27.71	1.696	286.3	31.3	0	0.539	-208
60	2010	206	700	25-Jul-10	-72.8	5.705	2.32	266.6	26.13	2.32	266.6	30.83	0	0.89	-274
60	2010	206	800	25-Jul-10	-72.8	10.25	2.311	269.6	29.99	2.311	269.6	34.26	0	0.885	-442
60	2010	206	900	25-Jul-10	-72.8	13.94	2.726	257.6	28.65	2.726	257.6	30.92	0	0.898	-468
60	2010	206	1000	25-Jul-10	-72.8	14.46	2.87	260.3	26.25	2.87	260.3	29.49	0	0.562	-239
60	2010	206	1100	25-Jul-10	-72.8	17	3.082	261.1	25.2	3.082	261.1	28.53	0	0.907	-267
60	2010	206	1200	25-Jul-10	-72.8	17.66	3.37	266.1	24.59	3.37	266.1	25.86	0	0.881	-316
60	2010	206	1300	25-Jul-10	-72.8	17.32	3.206	259.3	25.04	3.206	259.3	27.69	0	0.878	-202

Client = Pacific Booker Minerals

NOTE: HEADINGS NOT VERIFIED

Array ID	Year	Julian Day	Hour Minute	(Column added by KCB) Date	Hourly Average Air Temperature (Celsius)	Hourly Average Relative Humidity (%)	15 Minute Average Wind Speed (m/s)	15 Minute Average Wind Direction (degrees)	15 Minute Standard Deviation for Wind Direction (degrees)	Hourly Total Precipitation (mm)				
60	2010	206	1400	25-Jul-10	-72.8	17.23	2.805	255.6	25.12	2.805	255.6	28.77	0	0.904	-235
60	2010	206	1500	25-Jul-10	-72.8	14.84	2.972	263.8	22.71	2.972	263.8	24.1	0	0.883	-499
60	2010	206	1600	25-Jul-10	-72.8	9.7	2.749	267.8	22.54	2.749	267.8	23.92	0	0.889	-244
60	2010	206	1700	25-Jul-10	-72.8	1.224	2.265	276.6	23.98	2.265	276.6	24.9	0	0.858	-252
60	2010	206	1800	25-Jul-10	-72.8	-13.28	1.702	291.7	22.06	1.702	291.7	25.81	0	0.868	-240
60	2010	206	1900	25-Jul-10	-72.8	-29.98	0.577	3.196	14.69	0.577	3.196	22.87	0	0.853	-274
60	2010	206	2000	25-Jul-10	-72.8	-38.9	0.486	16.21	18.04	0.486	16.21	23.68	0	0.861	-277
60	2010	206	2100	25-Jul-10	-72.8	-41.17	0.531	13.97	15.35	0.531	13.97	23.43	0	0.854	-248
60	2010	206	2200	25-Jul-10	-72.8	-41.94	0.315	353.9	15.64	0.315	353.9	23.88	0	0.855	-277
60	2010	206	2300	25-Jul-10	-72.8	-42.56	0.484	24.11	13.74	0.484	24.11	33.33	0	0.85	-286
60	2010	206	2400	25-Jul-10	-72.8	-42.96	0.448	357.4	10.05	0.448	357.4	19.91	0	0.85	-288
60	2010	207	100	26-Jul-10	-72.8	-43.08	0.336	18.37	7.78	0.336	18.37	24.96	0	0.844	-413
60	2010	207	200	26-Jul-10	-72.8	-43.15	0.298	352	7.74	0.298	352	13.19	0	0.812	-236
60	2010	207	300	26-Jul-10	-72.8	-42.54	0.179	61.71	10.3	0.179	61.71	42.33	0	0.81	-210
60	2010	207	400	26-Jul-10	-72.8	-40.44	0.386	342.5	9.95	0.386	342.5	28.26	0	0.839	-271
60	2010	207	500	26-Jul-10	-72.8	-17.68	1.071	270.5	20.02	1.071	270.5	38.79	0	0.879	-322
60	2010	207	600	26-Jul-10	-72.8	5.543	1.647	258.3	23.23	1.647	258.3	26.07	0	0.853	-320
60	2010	207	700	26-Jul-10	-72.8	11.62	1.718	258.5	25.75	1.718	258.5	28.48	0	0.863	-235
60	2010	207	800	26-Jul-10	-72.8	17.26	1.386	209	35.14	1.386	209	40.93	0	0.88	-239
60	2010	207	900	26-Jul-10	-72.8	23.5	1.536	198.1	38.84	1.536	198.1	48.29	0	0.903	-275
60	2010	207	1000	26-Jul-10	-72.8	27.91	1.359	223.1	42.54	1.359	223.1	56.01	0	0.893	-246
60	2010	207	1100	26-Jul-10	-72.8	30.59	1.841	226.5	33.93	1.841	226.5	49.53	0	0.891	-269
60	2010	207	1200	26-Jul-10	-72.8	32.65	1.747	164.3	34.59	1.747	164.3	52.13	0	0.892	-232
60	2010	207	1300	26-Jul-10	-72.8	33.96	1.59	191.5	35.18	1.59	191.5	46.07	0	0.88	-239
60	2010	207	1400	26-Jul-10	-72.8	34.27	1.392	173	37.6	1.392	173	45.44	0	0.893	-242
60	2010	207	1500	26-Jul-10	-72.8	33.15	1.197	173.8	25.73	1.197	173.8	46.33	0	0.926	-241
60	2010	207	1600	26-Jul-10	-72.8	32.2	1.51	170.3	26.47	1.51	170.3	31.5	0	0.93	-242
60	2010	207	1700	26-Jul-10	-72.8	26.15	1.563	90	26.74	1.563	90	27.6	0	0.92	-275
60	2010	207	1800	26-Jul-10	-72.8	7.76	1.14	64.36	14.18	1.14	64.36	15.05	0	0.875	-241
60	2010	207	1900	26-Jul-10	-72.8	-16.12	0.443	356.4	8.76	0.443	356.4	28.48	0	0.855	-235
60	2010	207	2000	26-Jul-10	-72.8	-28.8	0.402	2.715	11.17	0.402	2.715	16.74	0	0.865	-242
60	2010	207	2100	26-Jul-10	-72.8	-33.78	0.341	353	8.09	0.341	353	12.86	0	0.875	-243
60	2010	207	2200	26-Jul-10	-72.8	-35.72	0.284	354.3	12.33	0.284	354.3	20.12	0	0.867	-249
60	2010	207	2300	26-Jul-10	-72.8	-36.83	0.371	353.9	10.93	0.371	353.9	19.76	0	0.864	-291
60	2010	207	2400	26-Jul-10	-72.8	-36.64	0.461	357.4	10.44	0.461	357.4	23.18	0	0.869	-369
60	2010	208	100	27-Jul-10	-72.8	-36.49	0.301	356.2	15.76	0.301	356.2	30.78	0	0.873	-283
60	2010	208	200	27-Jul-10	-72.8	-36.37	0.375	5.213	16.31	0.375	5.213	41.11	0	0.864	-500
60	2010	208	300	27-Jul-10	-72.8	-35.15	0.233	0.893	12.31	0.233	0.893	21.76	0	0.875	-277
60	2010	208	400	27-Jul-10	-72.8	-31.55	0.307	346	10.3	0.307	346	30.18	0	0.884	-289
60	2010	208	500	27-Jul-10	-72.8	-4.01	0.185	304.5	11.12	0.185	304.5	28.52	0	0.903	-287
60	2010	208	600	27-Jul-10	-72.8	21.68	0.649	219	32.38	0.649	219	51.51	0	0.905	-242
60	2010	208	700	27-Jul-10	-72.8	21.3	1.032	191.2	35.35	1.032	191.2	37.18	0	0.587	-198
60	2010	208	800	27-Jul-10	-72.8	23.26	1.636	155.2	29.7	1.636	155.2	33.95	0	0.925	-359
60	2010	208	900	27-Jul-10	-72.8	28.25	1.685	129.1	35.46	1.685	129.1	51.74	0	0.885	-281
60	2010	208	1000	27-Jul-10	-72.8	31.3	1.889	41.46	33.92	1.889	41.46	46.99	0	0.907	-241
60	2010	208	1100	27-Jul-10	-72.8	31.87	1.465	7.84	41.64	1.465	7.84	65.17	0	0.605	-198
60	2010	208	1200	27-Jul-10	-72.8	33.93	1.765	249.8	34.2	1.765	249.8	59.58	0	0.927	-242
60	2010	208	1300	27-Jul-10	-72.8	34.69	1.744	25.51	35.54	1.744	25.51	40.18	0	0.909	-235
60	2010	208	1400	27-Jul-10	-72.8	33.64	1.309	352.4	33.3	1.309	352.4	69.11	0	0.912	-212
60	2010	208	1500	27-Jul-10	-72.8	33.04	1.323	173	34.46	1.323	173	56.49	0	0.929	-236
60	2010	208	1600	27-Jul-10	-72.8	30	1.092	117.3	30.26	1.092	117.3	35.51	0	0.914	-247
60	2010	208	1700	27-Jul-10	-72.8	17.38	0.505	136.3	29.57	0.505	136.3	39.76	0	0.906	-283
60	2010	208	1800	27-Jul-10	-72.8	1.151	0.909	44.73	21.76	0.909	44.73	31.79	0	0.871	-214
60	2010	208	1900	27-Jul-10	-72.8	-10.67	0.537	36.07	12.59	0.537	36.07	21.27	0	0.888	-279
60	2010	208	2000	27-Jul-10	-72.8	-17.59	0.56	21	10.41	0.56	21	28.96	0	0.888	-243
60	2010	208	2100	27-Jul-10	-72.8	-23.92	0.633	34.9	10.5	0.633	34.9	35.5	0	0.883	-500
60	2010	208	2200	27-Jul-10	-72.8	-30.26	0.358	357.6	7.92	0.358	357.6	22.56	0	0.883	-272
60	2010	208	2300	27-Jul-10	-72.8	-31.48	0.464	33.34	24.03	0.464	33.34	46.49	0	0.881	-241
60	2010	208	2400	27-Jul-10	-72.8	-28.16	0.489	12.35	22.63	0.489	12.35	35.86	0.254	0.879	-252
60	2010	209	100	28-Jul-10	-72.8	-23.43	0.926	49.74	34.45	0.926	49.74	53.07	1.524	0.838	-318
60	2010	209	200	28-Jul-10	-72.8	-20.42	0.709	20.01	21.5	0.709	20.01	49.11	0	0.845	-286
60	2010	209	300	28-Jul-10	-72.8	-17.8	1.074	326	23.61	1.074	326	78.8	0	0.87	-253
60	2010	209	400	28-Jul-10	-72.8	-13.03	0.958	266.6	23.42	0.958	266.6	43.47	0	0.89	-240
60	2010	209	500	28-Jul-10	-72.8	-0.375	1.113	308	21.54	1.113	308	36.3	0	0.874	-206
60	2010	209	600	28-Jul-10	-72.8	21.71	0.784	249	27.4	0.784	249	31.55	0	0.908	-240
60	2010	209	700	28-Jul-10	-72.8	24.65	1.434	267.6	28.94	1.434	267.6	34.82	0	0.89	-242
60	2010	209	800	28-Jul-10	-72.8	24.32	1.827	262.1	26.43	1.827	262.1	32.43	0	0.887	-309
60	2010	209	900	28-Jul-10	-72.8	25.97	2.623	254.2	24.23	2.623	254.2	25.49	0	0.892	-240
60	2010	209	1000	28-Jul-10	-72.8	25.75	2.478	255.5	21.65	2.478	255.5	22.68	0	0.95	-324
60	2010	209	1100	28-Jul-10	-72.8	16.29	0.715	305.8	24.59	0.715	305.8	39.2	0	0.911	-273
60	2010	209	1200	28-Jul-10	-72.8	21.48	2.083	283.6	27.91	2.083	283.6	35.91	0	0.896	-233
60	2010	209	1300	28-Jul-10	-72.8	21.24	1.479	233.6	28.31	1.479	233.6	29.93	0	0.892	-246
60	2010	209	1400	28-Jul-10	-72.8	13.14	2.198	127.1	28.38	2.198	127.1	29.55	0	0.882	-213
60	2010	209	1500	28-Jul-10	-72.8	4.21	1.093	74	25.84	1.093	74	40.59	0	0.887	-212
60	2010	209	1600	28-Jul-10	-72.8	1.68	0.455	23.51	20.59	0.455	23.51	55.13	0	0.868	-249
60	2010	209	1700	28-Jul-10	-72.8	0.694	0.874	45.02	13.1	0.874	45.02	35.25	0	0.847	-243
60	2010	209	1800	28-Jul-10	-72.8	-6.123	0.271	20.11	10.55	0.271	20.11	28.18	0	0.842	-242
60	2010	209	1900	28-Jul-10	-72.8	-19.78	0.566	26.46	11.09	0.566	26.46	24.29	0	0.831	-241
60	2010	209	2000	28-Jul-10	-72.8	-27.52	0.571	12.24	14.45	0.571	12.24	48.84	0	0.832	-237
60	2010	209	2100	28-Jul-10	-72.8	-29.38	0.385	353.4	10.05	0.385	353.4	36.53	0	0.841	-244
60	2010	209	2200	28-Jul-10	-72.8	-30.8	0.409	15.47	23.09	0.409	15.47	39.9	0	0.862	-585
60	2010	209	2300	28-Jul-10	-72.8	-32.65	0.447	13.2	20.61	0.447	13.2	39.75	0	0.863	-321
60	2010	209	2400	28-Jul-10	-72.8	-33.66	0.377	8.69	10.12	0.377	8.69	23	0	0.86	-515
60	2010	210	100	29-Jul-10	-72.8	-33.94	0.32	354.9	21.64	0.32	354.9	27.79	0	0.862	-323
60	2010	210	200	29-Jul-10	-72.8	-34.05	0.278	11.63	14.33	0.278	11.63	32.51	0	0.84	-314
60	2010	210	300	29-Jul-10	-72.8	-32.83	0.346	359.8	16.42	0.346	359.8	43.69	0	0.857	-244
60	2010	210	400	29-Jul-10	-72.8	-26.26	0.075	109.9	8.56	0.075	109.9	24.6	0	0.872	-319
60	2010	210	500	29-Jul-10	-72.8	-7.38	0.51	284.4	22.92	0.51	284.4	32.86	0	0.905	-211
60	2010	210	600	29-Jul-10	-72.8	19.35	1.367	275.2	27.31	1.367	275.2	35.51	0	0.879	-287
60	2010	210	700	29-Jul-10	-72.8	21.15	1.562	270	30.25	1.562	270	37.3	0	0.872	-210
60	2010	210	800	29-Jul-10	-72.8	21.11	1.564	254.2	34.3	1.564	254.2	39.41	0	0.868	-274
60	2010	210	900	29-Jul-10	-72.8	19.48	1.555	267.3	31.39	1.555	267.3	43.55	0	0.884	-280

Client = Pacific Booker Minerals

NOTE: HEADINGS NOT VERIFIED

Array ID	Year	Julian Day	Hour Minute	(Column added by KCB) Date	Hourly Average Air Temperature (Celsius)	Hourly Average Relative Humidity (%)	15 Minute Average Wind Speed (m/s)	15 Minute Average Wind Direction (degrees)	15 Minute Standard Deviation for Wind Direction (degrees)	Hourly Total Precipitation (mm)				
60	2010	210	1000	29-Jul-10	-72.8	19.1	1.693	260.7	28.61	1.693	260.7	40.55	0	0.88	-401
60	2010	210	1100	29-Jul-10	-72.8	20.17	1.278	200.2	31.43	1.278	200.2	54.05	0	0.875	-282
60	2010	210	1200	29-Jul-10	-72.8	15	1.015	163.9	34.73	1.015	163.9	54.76	0	0.874	-242
60	2010	210	1300	29-Jul-10	-72.8	2.245	2.294	354.2	26.79	2.294	354.2	46.92	2.032	0.801	-505
60	2010	210	1400	29-Jul-10	-72.8	0.548	0.495	199.1	20.55	0.495	199.1	44.37	0	0.853	-278
60	2010	210	1500	29-Jul-10	-72.8	11.7	0.379	222.7	16.06	0.379	222.7	33.39	0	0.869	-243
60	2010	210	1600	29-Jul-10	-72.8	17.87	0.604	219.2	19.23	0.604	219.2	25.32	0	0.878	-312
60	2010	210	1700	29-Jul-10	-72.8	14.31	0.252	208	10.68	0.252	208	20.5	0	0.896	-243
60	2010	210	1800	29-Jul-10	-72.8	3.518	0.397	27.1	22.19	0.397	27.1	35.02	0	0.84	-324
60	2010	210	1900	29-Jul-10	-72.8	-7.26	0.502	25.19	13.75	0.502	25.19	22.67	0	0.748	-280
60	2010	210	2000	29-Jul-10	-72.8	-16.17	0.333	354.7	14.79	0.333	354.7	26.19	0	0.836	-397
60	2010	210	2100	29-Jul-10	-72.8	-21.62	0.516	357.5	10.88	0.516	357.5	20.01	0	0.831	-280
60	2010	210	2200	29-Jul-10	-72.8	-25.14	0.593	345.4	16.27	0.593	345.4	39.51	0	0.817	-284
60	2010	210	2300	29-Jul-10	-72.8	-26.96	0.499	344.6	16.91	0.499	344.6	34.32	0	0.837	-327
60	2010	210	2400	29-Jul-10	-72.8	-27.41	0.327	340.3	19.96	0.327	340.3	36.45	0	0.841	-273
60	2010	211	100	30-Jul-10	-72.8	-28.16	0.336	345.3	4.248	0.336	345.3	12.38	0	0.851	-313
60	2010	211	200	30-Jul-10	-72.8	-28.63	0.252	4.512	13.48	0.252	4.512	31.46	0	0.827	-396
60	2010	211	300	30-Jul-10	-72.8	-27.25	0.175	347.4	12.22	0.175	347.4	34.54	0	0.844	-267
60	2010	211	400	30-Jul-10	-72.8	-22.96	0.397	340.3	11.44	0.397	340.3	18.12	0	0.852	-274
60	2010	211	500	30-Jul-10	-72.8	-6.189	0.885	294.6	26.1	0.885	294.6	34.45	0	0.85	-247
60	2010	211	600	30-Jul-10	-72.8	15.18	1.355	312.4	28.72	1.355	312.4	34.01	0	0.747	-284
60	2010	211	700	30-Jul-10	-72.8	19.4	1.269	274	38.74	1.269	274	46.07	0	0.792	-575
60	2010	211	800	30-Jul-10	-72.8	21.44	1.539	273.2	31.4	1.539	273.2	42.24	0	0.92	-392
60	2010	211	900	30-Jul-10	-72.8	23.33	1.382	289.3	31.09	1.382	289.3	38.49	0	0.879	-247
60	2010	211	1000	30-Jul-10	-72.8	25.58	1.099	221.9	43.04	1.099	221.9	54.82	0	0.872	-285
60	2010	211	1100	30-Jul-10	-72.8	27.85	0.913	247	41.32	0.913	247	65.88	0	0.885	-279
60	2010	211	1200	30-Jul-10	-72.8	30.5	1.198	229.4	37.68	1.198	229.4	56.05	0	0.612	-175
60	2010	211	1300	30-Jul-10	-72.8	33.3	1.091	161.3	37.69	1.091	161.3	58.52	0	0.832	-249
60	2010	211	1400	30-Jul-10	-72.8	34.43	1.883	148.5	34.98	1.883	148.5	37.79	0	0.923	-285
60	2010	211	1500	30-Jul-10	-72.8	33.59	1.48	198.3	27.5	1.48	198.3	34.61	0	0.911	-311
60	2010	211	1600	30-Jul-10	-72.8	31.22	1.621	228	27.33	1.621	228	32.26	0	0.909	-244
60	2010	211	1700	30-Jul-10	-72.8	23.71	1.76	270.5	21.32	1.76	270.5	21.97	0	0.894	-245
60	2010	211	1800	30-Jul-10	-72.8	7.13	0.84	315.5	14.49	0.84	315.5	27.29	0	0.869	-235
60	2010	211	1900	30-Jul-10	-72.8	-14.26	0.764	355.9	11.25	0.764	355.9	18.28	0	0.86	-233
60	2010	211	2000	30-Jul-10	-72.8	-24.83	0.565	348.1	16.77	0.565	348.1	21.45	0	0.854	-233
60	2010	211	2100	30-Jul-10	-72.8	-28.92	0.488	347.4	13.5	0.488	347.4	19.82	0	0.849	-211
60	2010	211	2200	30-Jul-10	-72.8	-30.49	0.441	345.6	14.58	0.441	345.6	18.3	0	0.848	-282
60	2010	211	2300	30-Jul-10	-72.8	-31.86	0.325	0.52	11.8	0.325	0.52	27.44	0	0.841	-282
60	2010	211	2400	30-Jul-10	-72.8	-33.06	0.25	353.9	12.93	0.25	353.9	20.96	0	0.835	-282
60	2010	212	100	31-Jul-10	-72.8	-31.78	0.2	356	16.03	0.2	356	32.55	0	0.841	-288
60	2010	212	200	31-Jul-10	-72.8	-30.85	0.209	356.2	7.75	0.209	356.2	18.42	0	0.699	-277
60	2010	212	300	31-Jul-10	-72.8	-27.47	0.224	353.3	15.41	0.224	353.3	31.33	0	0.686	-237
60	2010	212	400	31-Jul-10	-72.8	-21.02	0.114	35.2	17.89	0.114	35.2	26.64	0	1.02	-322
60	2010	212	500	31-Jul-10	-72.8	-4.209	0.942	270.1	22.46	0.942	270.1	28.44	0	0.868	-238
60	2010	212	600	31-Jul-10	-72.8	16.77	1.79	262.5	21.48	1.79	262.5	25.3	0	0.866	-276
60	2010	212	700	31-Jul-10	-72.8	18.83	1.625	248.4	27.36	1.625	248.4	29.46	0	0.871	-312
60	2010	212	800	31-Jul-10	-72.8	20.69	1.792	235.6	24.99	1.792	235.6	29.41	0	0.905	-318
60	2010	212	900	31-Jul-10	-72.8	24.82	1.034	231.9	38.59	1.034	231.9	54.01	0	2.66	0
60	2010	212	1000	31-Jul-10	-72.8	29.3	1.121	209.5	40.53	1.121	209.5	61.18	0	0.884	-279
60	2010	212	1100	31-Jul-10	-72.8	31.75	1.406	232.7	37.21	1.406	232.7	50.22	0	2.66	0
60	2010	212	1200	31-Jul-10	-72.8	33.76	1.436	244.5	37.48	1.436	244.5	62.28	0	0.782	-325
60	2010	212	1300	31-Jul-10	-72.8	36.26	1.294	168.3	37.59	1.294	168.3	56.08	0	2.66	0
60	2010	212	1400	31-Jul-10	-72.8	35.75	1.816	172.4	28.97	1.816	172.4	36.49	0	0.902	-312
60	2010	212	1500	31-Jul-10	-72.8	34.9	1.775	232	25.33	1.775	232	31.7	0	0.807	-273
60	2010	212	1600	31-Jul-10	-72.8	32.69	1.549	237.2	28.83	1.549	237.2	31.81	0	0.909	-246
60	2010	212	1700	31-Jul-10	-72.8	24.11	1.022	250.5	28.11	1.022	250.5	32.16	0	0.878	-244
60	2010	212	1800	31-Jul-10	-72.8	0.39	0.693	348.5	17.16	0.693	348.5	21.78	0	0.864	-240
60	2010	212	1900	31-Jul-10	-72.8	-20.43	0.775	20.49	15.83	0.775	20.49	24.96	0	0.854	-237
60	2010	212	2000	31-Jul-10	-72.8	-29.61	0.557	30.85	15.7	0.557	30.85	19.89	0	0.851	-241
60	2010	212	2100	31-Jul-10	-72.8	-33.8	0.255	0.295	10.27	0.255	0.295	24.43	0	0.846	-217
60	2010	212	2200	31-Jul-10	-72.8	-35.88	0.277	26.4	11.29	0.277	26.4	15.98	0	0.841	-243
60	2010	212	2300	31-Jul-10	-72.8	-36.73	0.337	0.731	6.692	0.337	0.731	16.59	0	0.84	-273
60	2010	212	2400	31-Jul-10	-72.8	-35.17	0.443	9.1	15.54	0.443	9.1	24.61	0	0.835	-248
60	2010	213	100	01-Aug-10	-72.8	-31.68	0.638	22.23	17.68	0.638	22.23	39.23	0	0.826	-324
60	2010	213	200	01-Aug-10	-72.8	-31.02	0.25	4.017	14.48	0.25	4.017	45.71	0	0.841	-285
60	2010	213	300	01-Aug-10	-72.8	-28.07	0.394	35.56	17.31	0.394	35.56	43.89	0	0.834	-279
60	2010	213	400	01-Aug-10	-72.8	-27.55	0.563	331.3	20.82	0.563	331.3	32.64	0	0.85	-284
60	2010	213	500	01-Aug-10	-72.8	-1.411	0.815	296.8	20.17	0.815	296.8	33.48	0	0.864	-238
60	2010	213	600	01-Aug-10	-72.8	17.32	1.152	282.5	25.3	1.152	282.5	31.98	0	0.479	-244
60	2010	213	700	01-Aug-10	-72.8	21.6	1.7	255.6	31.01	1.7	255.6	35.38	0	0.884	-285
60	2010	213	800	01-Aug-10	-72.8	22.3	2.455	260.6	26.77	2.455	260.6	29.85	0	2.66	0
60	2010	213	900	01-Aug-10	-72.8	23.1	2.64	264.1	24.85	2.64	264.1	27.1	0	0.873	-249
60	2010	213	1000	01-Aug-10	-72.8	20.44	2.11	250.9	29.33	2.11	250.9	30.83	0	0.881	-244
60	2010	213	1100	01-Aug-10	-72.8	21.64	2.903	257.6	23.75	2.903	257.6	25.57	0	2.66	0
60	2010	213	1200	01-Aug-10	-72.8	21.68	2.839	262.5	24.8	2.839	262.5	25.51	0	0.859	-238
60	2010	213	1300	01-Aug-10	-72.8	20.45	2.94	278.1	25.31	2.94	278.1	27.81	0	0.887	-285
60	2010	213	1400	01-Aug-10	-72.8	21.72	2.674	275.6	23.91	2.674	275.6	26.56	0	0.895	-210
60	2010	213	1500	01-Aug-10	-72.8	22.52	2.706	262.6	25.19	2.706	262.6	27.97	0	0.921	-442
60	2010	213	1600	01-Aug-10	-72.8	15.04	1.951	271.4	23.86	1.951	271.4	25.7	0	0.876	-211
60	2010	213	1700	01-Aug-10	-72.8	7.83	1.652	283	23.82	1.652	283	24.74	0	0.864	-283
60	2010	213	1800	01-Aug-10	-72.8	0.004	1.724	278.4	20.42	1.724	278.4	21.45	0	0.872	-241
60	2010	213	1900	01-Aug-10	-72.8	-4.578	0.841	312.5	21.65	0.841	312.5	29.45	0	0.85	-289
60	2010	213	2000	01-Aug-10	-72.8	-8.64	0.525	344.8	17.92	0.525	344.8	28.73	0	0.851	-241
60	2010	213	2100	01-Aug-10	-72.8	-9.06	0.396	321.8	11	0.396	321.8	22.17	0	0.759	-247
60	2010	213	2200	01-Aug-10	-72.8	-15.37	0.426	7.04	14.45	0.426	7.04	24.67	0	0.763	-280
60	2010	213	2300	01-Aug-10	-72.8	-23.36	0.385	8.83	12.97	0.385	8.83	24.87	0	0.831	-322
60	2010	213	2400	01-Aug-10	-72.8	-23.29	0.378	5.469	10.75	0.378	5.469	14.3	0	0.843	-275
60	2010	214	100	02-Aug-10	-72.8	-22.28	0.151	1.399	5.727	0.151	1.399	17.18	0	0.835	-270
60	2010	214	200	02-Aug-10	-72.8	-23.37	0.443	4.629	15.56	0.443	4.629	30.77	0	0.833	-239
60	2010	214	300	02-Aug-10	-72.8	-25.89	0.193	7.26	9	0.193	7.26	23.84	0	0.833	-240
60	2010	214	400	02-Aug-10	-72.8	-26.45	0.271	357.4	6.341	0.271	357.4	31.67	0	0.834	-276
60	2010	214	500	02-Aug-10	-72.8	-15.05	0.244	254.8	10.75	0.244	254.8	12.33	0	0.85	-273

Client = Pacific Booker Minerals

NOTE: HEADINGS NOT VERIFIED

Array ID	Year	Julian Day	Hour Minute	(Column added by KCB) Date	Hourly Average Air Temperature (Celsius)	Hourly Average Relative Humidity (%)	15 Minute Average Wind Speed (m/s)	15 Minute Average Wind Direction (degrees)	15 Minute Standard Deviation for Wind Direction (degrees)	Hourly Total Precipitation (mm)					
60	2010	214	600	02-Aug-10	-72.8	20.1	1.386	243	24	1.386	243	25.84	0	0.846	-269
60	2010	214	700	02-Aug-10	-72.8	20.74	1.63	243	22.88	1.63	243	25.18	0	0.872	-272
60	2010	214	800	02-Aug-10	-72.8	18.79	1.696	255.9	21.36	1.696	255.9	22.93	0	0.879	-232
60	2010	214	900	02-Aug-10	-72.8	21.16	1.648	227	24.28	1.648	227	33.38	0	0.93	-588
60	2010	214	1000	02-Aug-10	-72.8	24.55	1.509	237.4	28.84	1.509	237.4	37.21	0	0.876	-277
60	2010	214	1100	02-Aug-10	-72.8	29.18	1.772	212.8	30.69	1.772	212.8	42.31	0	0.886	-282
60	2010	214	1200	02-Aug-10	-72.8	29.87	2.459	354.8	31.94	2.459	354.8	46.8	8.89	0.854	-273
60	2010	214	1300	02-Aug-10	-72.8	-10.91	1.541	37.78	26.54	1.541	37.78	53.06	2.794	0.857	-279
60	2010	214	1400	02-Aug-10	-72.8	-12.32	0.831	356.6	18.35	0.831	356.6	38.88	0	0.742	-210
60	2010	214	1500	02-Aug-10	-72.8	-3.428	0.511	232.6	22.17	0.511	232.6	46.42	0	0.856	-289
60	2010	214	1600	02-Aug-10	-72.8	15.54	0.557	227.9	15.84	0.557	227.9	25.43	0	0.809	-283
60	2010	214	1700	02-Aug-10	-72.8	9.18	1.275	5.412	23.28	1.275	5.412	50.72	0	0.862	-244
60	2010	214	1800	02-Aug-10	-72.8	2.99	1.643	341.8	19.06	1.643	341.8	25.43	0	0.861	-245
60	2010	214	1900	02-Aug-10	-72.8	-5.519	0.772	348.2	23.11	0.772	348.2	55.53	0	0.856	-238
60	2010	214	2000	02-Aug-10	-72.8	-13.5	0.348	9.27	13.19	0.348	9.27	23.84	0	0.838	-275
60	2010	214	2100	02-Aug-10	-72.8	-21.2	0.535	358.9	17.47	0.535	358.9	24.95	0	0.831	-272
60	2010	214	2200	02-Aug-10	-72.8	-23.84	0.464	13.65	17.55	0.464	13.65	24.14	0	0.837	-315
60	2010	214	2300	02-Aug-10	-72.8	-26.26	0.678	16.37	10.27	0.678	16.37	30.99	0	0.751	-247
60	2010	214	2400	02-Aug-10	-72.8	-26.74	0.223	19.28	8.91	0.223	19.28	26.34	0	0.844	-592
60	2010	215	100	03-Aug-10	-72.8	-27.51	0.32	28.45	5.883	0.32	28.45	19.9	0	0.834	-518
60	2010	215	200	03-Aug-10	-72.8	-28.83	0.416	15.14	9.63	0.416	15.14	24.22	0	0.854	-247
60	2010	215	300	03-Aug-10	-72.8	-29.01	0.387	7.86	10.25	0.387	7.86	25.03	0	0.737	-237
60	2010	215	400	03-Aug-10	-72.8	-24.79	0.22	24.47	5.994	0.22	24.47	22.66	0	0.741	-236
60	2010	215	500	03-Aug-10	-72.8	-13.46	0.049	357.6	14.22	0.049	357.6	30.4	0	0.757	-356
60	2010	215	600	03-Aug-10	-72.8	11.35	0.097	294.9	8.98	0.097	294.9	20.12	0	0.853	-243
60	2010	215	700	03-Aug-10	-72.8	18.71	0.66	187	30.42	0.66	187	41.13	0	0.874	-276
60	2010	215	800	03-Aug-10	-72.8	21	0.726	164.5	27.7	0.726	164.5	46.62	0	0.881	-239
60	2010	215	900	03-Aug-10	-72.8	22.79	1.043	194.8	31.12	1.043	194.8	44.08	0	0.807	-246
60	2010	215	1000	03-Aug-10	-72.8	26.76	1.571	220.2	27.11	1.571	220.2	32.3	0	0.852	-405
60	2010	215	1100	03-Aug-10	-72.8	29.44	1.694	217.7	26.78	1.694	217.7	37.49	0	2.66	0
60	2010	215	1200	03-Aug-10	-72.8	31.37	1.631	211.9	28.88	1.631	211.9	38.42	0	0.816	-531
60	2010	215	1300	03-Aug-10	-72.8	32.91	1.69	247.3	26.71	1.69	247.3	30.36	0	0.81	-316
60	2010	215	1400	03-Aug-10	-72.8	33.39	1.218	270.6	25.92	1.218	270.6	37.1	0	0.821	-240
60	2010	215	1500	03-Aug-10	-72.8	34.21	1.931	256.5	25.61	1.931	256.5	30.16	0	0.81	-248
60	2010	215	1600	03-Aug-10	-72.8	31.36	0.916	282.6	17.55	0.916	282.6	31.79	0	0.866	-249
60	2010	215	1700	03-Aug-10	-72.8	24.44	0.382	301.8	12.46	0.382	301.8	20.18	0	0.73	-282
60	2010	215	1800	03-Aug-10	-72.8	12.49	0.365	5.083	23.98	0.365	5.083	35.21	0	0.838	-315
60	2010	215	1900	03-Aug-10	-72.8	-4.464	0.25	343.9	7.42	0.25	343.9	17.24	0	0.72	-372
60	2010	215	2000	03-Aug-10	-72.8	-16.46	0.269	13.41	4.78	0.269	13.41	15.49	0	0.843	-353
60	2010	215	2100	03-Aug-10	-72.8	-21.69	0.388	357.2	8.41	0.388	357.2	22.8	0	0.846	-396
60	2010	215	2200	03-Aug-10	-72.8	-24.47	0.414	12.1	8.98	0.414	12.1	19.38	0	0.845	-318
60	2010	215	2300	03-Aug-10	-72.8	-25.29	0.209	2.892	10.71	0.209	2.892	14.72	0	0.838	-442
60	2010	215	2400	03-Aug-10	-72.8	-26.94	0.237	0.814	6.663	0.237	0.814	13.44	0	0.839	-282
60	2010	216	100	04-Aug-10	-72.8	-28.57	0.26	350.1	8.25	0.26	350.1	23.52	0	0.787	-354
60	2010	216	200	04-Aug-10	-72.8	-29.61	0.221	325.6	1.143	0.221	325.6	3.674	0	0.847	-246
60	2010	216	300	04-Aug-10	-72.8	-29.29	0.182	353	3.01	0.182	353	7.53	0	0.84	-287
60	2010	216	400	04-Aug-10	-72.8	-25	0.165	16.4	2.407	0.165	16.4	9.4	0	0.754	-216
60	2010	216	500	04-Aug-10	-72.8	-12.33	0.028	357.9	1.536	0.028	357.9	11.11	0	0.767	-278
60	2010	216	600	04-Aug-10	-72.8	13.87	0.283	239.6	16.11	0.283	239.6	31.07	0	0.822	-577
60	2010	216	700	04-Aug-10	-72.8	20.15	0.388	225.9	25.17	0.388	225.9	44.47	0	0.799	-320
60	2010	216	800	04-Aug-10	-72.8	23.01	0.759	204.7	25.37	0.759	204.7	32.24	0	0.809	-279
60	2010	216	900	04-Aug-10	-72.8	25.43	1.147	179.6	29.2	1.147	179.6	34.04	0	0.885	-240
60	2010	216	1000	04-Aug-10	-72.8	27.45	1.237	185.7	30.64	1.237	185.7	44.42	0	2.66	0
60	2010	216	1100	04-Aug-10	-72.8	29.82	1.377	223.6	30.61	1.377	223.6	47.69	0	0.718	-239
60	2010	216	1200	04-Aug-10	-72.8	32.05	1.268	181.3	35.54	1.268	181.3	40.37	0	0.803	-355
60	2010	216	1300	04-Aug-10	-72.8	33.87	1.097	136.6	34.04	1.097	136.6	52.77	0	0.807	-249
60	2010	216	1400	04-Aug-10	-72.8	34.98	1.158	204.7	29.68	1.158	204.7	34.19	0	0.896	-279
60	2010	216	1500	04-Aug-10	-72.8	35.38	0.863	186.7	24.98	0.863	186.7	29.45	0	0.825	-285
60	2010	216	1600	04-Aug-10	-72.8	32.45	0.403	197.8	14	0.403	197.8	22.53	0	0.798	-274
60	2010	216	1700	04-Aug-10	-72.8	25.35	0.505	40.36	8.7	0.505	40.36	9.6	0	0.861	-280
60	2010	216	1800	04-Aug-10	-72.8	17.76	0.535	24.25	11.52	0.535	24.25	24.53	0	0.843	-285
60	2010	216	1900	04-Aug-10	-72.8	0.399	0.582	16.39	10.11	0.582	16.39	26.23	0	0.845	-244
60	2010	216	2000	04-Aug-10	-72.8	-12.14	0.675	24.3	9.28	0.675	24.3	12.16	0	0.836	-281
60	2010	216	2100	04-Aug-10	-72.8	-17.8	0.419	7.58	8.8	0.419	7.58	15.68	0	0.481	-203
60	2010	216	2200	04-Aug-10	-72.8	-20.93	0.324	347.9	7.06	0.324	347.9	12.22	0	0.841	-322
60	2010	216	2300	04-Aug-10	-72.8	-23.26	0.167	0.901	2.455	0.167	0.901	8.48	0	0.844	-280
60	2010	216	2400	04-Aug-10	-72.8	-24.78	0.107	0.381	0.046	0.107	0.381	0.084	0	0.76	-235
60	2010	217	100	05-Aug-10	-72.8	-25.6	0.261	357.6	5.58	0.261	357.6	13.56	0	0.766	-236
60	2010	217	200	05-Aug-10	-72.8	-25.43	0.231	12.53	4.982	0.231	12.53	17.98	0	0.843	-245
60	2010	217	300	05-Aug-10	-72.8	-24.68	0.17	347.6	3.512	0.17	347.6	16.75	0	0.746	-242
60	2010	217	400	05-Aug-10	-72.8	-20.28	0.122	347.6	5.848	0.122	347.6	16.99	0	0.757	-235
60	2010	217	500	05-Aug-10	-72.8	-8.21	0.014	173.6	0.945	0.014	173.6	14.15	0	0.773	-250
60	2010	217	600	05-Aug-10	-72.8	10.78	0.324	213.8	14.74	0.324	213.8	19.82	0	0.778	-212
60	2010	217	700	05-Aug-10	-72.8	18.92	0.545	180.7	28.59	0.545	180.7	43.79	0	0.783	-280
60	2010	217	800	05-Aug-10	-72.8	20.74	1.335	153.2	26.34	1.335	153.2	31.12	0	0.872	-243
60	2010	217	900	05-Aug-10	-72.8	22.38	1.342	142.2	22.49	1.342	142.2	25.04	0	0.845	-444
60	2010	217	1000	05-Aug-10	-72.8	22.81	1.174	138.3	24.91	1.174	138.3	27.84	0	0.877	-271
60	2010	217	1100	05-Aug-10	-72.8	22.53	0.987	136.8	24.89	0.987	136.8	27.54	0	0.884	-319
60	2010	217	1200	05-Aug-10	-72.8	22.14	0.995	143.3	24.63	0.995	143.3	36.5	0	0.884	-237
60	2010	217	1300	05-Aug-10	-72.8	21.96	0.635	142.2	24.75	0.635	142.2	30.22	0	0.88	-323
60	2010	217	1400	05-Aug-10	-72.8	21.34	0.444	136.1	20.29	0.444	136.1	35.26	0	0.881	-319
60	2010	217	1500	05-Aug-10	-72.8	19.63	0.216	51.71	7.19	0.216	51.71	24.03	0	0.88	-251
60	2010	217	1600	05-Aug-10	-72.8	16.41	0.283	44.58	15.9	0.283	44.58	40.19	0	0.879	-276
60	2010	217	1700	05-Aug-10	-72.8	16.63	0.787	54.7	18.02	0.787	54.7	53.81	0	0.875	-283
60	2010	217	1800	05-Aug-10	-72.8	5.139	0.547	9.19	10.99	0.547	9.19	25.51	0	0.838	-275
60	2010	217	1900	05-Aug-10	-72.8	-0.707	0.443	356.3	22.68	0.443	356.3	44.04	0	0.832	-313
60	2010	217	2000	05-Aug-10	-72.8	-3.719	0.439	41.65	11.38	0.439	41.65	43.21	0	0.826	-310
60	2010	217	2100	05-Aug-10	-72.8	-5.844	0.318	7.74	16.37	0.318	7.74	46.91	0	0.791	-267
60	2010	217	2200	05-Aug-10	-72.8	-8.27	0.917	66.2	16.59	0.917	66.2	21.89	0	0.835	-323
60	2010	217	2300	05-Aug-10	-72.8	-8.99	0.576	23.89	16	0.576	23.89	38.84	0	0.846	-319
60	2010	217	2400	05-Aug-10	-72.8	-14.77	0.535	0.118	12.87	0.535	0.118	24.37	0	0.849	-279
60	2010	218	100	06-Aug-10	-72.8	-14.56	0.404	16.89	12.07	0.404	16.89	30.05	0	0.859	-268

Client = Pacific Booker Minerals

NOTE: HEADINGS NOT VERIFIED

Array ID	Year	Julian Day	Hour Minute	(Column added by KCB) Date	Hourly Average Air Temperature (Celsius)	Hourly Average Relative Humidity (%)	15 Minute Average Wind Speed (m/s)	15 Minute Average Wind Direction (degrees)	15 Minute Standard Deviation for Wind Direction (degrees)	Hourly Total Precipitation (mm)				
60	2010	218	200	06-Aug-10	-72.8	-20.92	0.679	20.25	28.95	0.679	20.25	45.13	0	0.855	-242
60	2010	218	300	06-Aug-10	-72.8	-22.52	0.453	25.37	12.35	0.453	25.37	29.86	0	0.853	-275
60	2010	218	400	06-Aug-10	-72.8	-18.25	0.307	7.1	15.56	0.307	7.1	55.3	0	0.875	-367
60	2010	218	500	06-Aug-10	-72.8	-12.56	0.283	358.5	19.84	0.283	358.5	47.28	0	0.879	-243
60	2010	218	600	06-Aug-10	-72.8	-1.739	0.418	210.8	15.56	0.418	210.8	32.71	0	0.838	-275
60	2010	218	700	06-Aug-10	-72.8	13.42	0.571	220	20.69	0.571	220	33.61	0	0.855	-509
60	2010	218	800	06-Aug-10	-72.8	17.8	0.808	184.8	29.25	0.808	184.8	42.17	0	0.866	-442
60	2010	218	900	06-Aug-10	-72.8	19.8	1.922	145.4	24.65	1.922	145.4	27.37	0	0.9	-272
60	2010	218	1000	06-Aug-10	-72.8	21.64	1.689	158	31.25	1.689	158	35.5	0	0.406	-280
60	2010	218	1100	06-Aug-10	-72.8	21.33	1.252	184	35.04	1.252	184	40.31	0	0.965	-238
60	2010	218	1200	06-Aug-10	-72.8	21.51	1.903	161.8	28.6	1.903	161.8	29.78	0	0.879	-403
60	2010	218	1300	06-Aug-10	-72.8	17.8	1.207	180.7	35.05	1.207	180.7	38.52	0.254	0.901	-244
60	2010	218	1400	06-Aug-10	-72.8	14.7	1.087	118.5	27.17	1.087	118.5	31.34	0	0.78	-543
60	2010	218	1500	06-Aug-10	-72.8	11.38	0.793	108	22.99	0.793	108	26.34	0.254	0.865	-286
60	2010	218	1600	06-Aug-10	-72.8	5.129	1.163	117.4	24.44	1.163	117.4	29.17	0.508	0.827	-319
60	2010	218	1700	06-Aug-10	-72.8	0.311	1.249	73.9	20.74	1.249	73.9	26.68	0.508	0.763	-584
60	2010	218	1800	06-Aug-10	-72.8	-6.367	0.375	53.31	13.43	0.375	53.31	31.73	0	0.879	-240
60	2010	218	1900	06-Aug-10	-72.8	-9.41	0.455	28.1	9.77	0.455	28.1	19.44	0.254	0.875	-238
60	2010	218	2000	06-Aug-10	-72.8	-10.8	0.322	17.92	9.09	0.322	17.92	21.21	0	0.733	-370
60	2010	218	2100	06-Aug-10	-72.8	-11.31	0.399	47.6	7.04	0.399	47.6	14.6	0	0.876	-278
60	2010	218	2200	06-Aug-10	-72.8	-10.77	0.662	103.6	24.3	0.662	103.6	30.77	0	0.702	-246
60	2010	218	2300	06-Aug-10	-72.8	-9.62	1.175	350.4	24.69	1.175	350.4	29.09	0	0.869	-244
60	2010	218	2400	06-Aug-10	-72.8	-10.04	0.564	304.8	22.34	0.564	304.8	35.12	0.508	0.86	-247
60	2010	219	100	07-Aug-10	-72.8	-11.45	0.329	358.2	9.85	0.329	358.2	19.57	1.016	0.853	-243
60	2010	219	200	07-Aug-10	-72.8	-12.05	0.376	46.07	7.31	0.376	46.07	8.85	0.508	0.763	-507
60	2010	219	300	07-Aug-10	-72.8	-12.06	0.494	50.98	8.37	0.494	50.98	11.47	0.254	0.849	-239
60	2010	219	400	07-Aug-10	-72.8	-11.26	0.544	62.02	11.66	0.544	62.02	16.43	0	0.767	-273
60	2010	219	500	07-Aug-10	-72.8	-6.202	0.824	93.5	20.64	0.824	93.5	26.14	0	0.217	-212
60	2010	219	600	07-Aug-10	-72.8	0.477	0.923	123.9	32.01	0.923	123.9	44.08	0	0.709	-285
60	2010	219	700	07-Aug-10	-72.8	8.02	0.743	275.8	21.68	0.743	275.8	29.01	0	0.773	-316
60	2010	219	800	07-Aug-10	-72.8	13.31	1.371	278.1	25.19	1.371	278.1	28.11	0	0.846	-319
60	2010	219	900	07-Aug-10	-72.8	15.11	1.124	258.9	24.53	1.124	258.9	31.65	0	0.871	-368
60	2010	219	1000	07-Aug-10	-72.8	16.83	1.268	258	28.48	1.268	258	34.78	0	0.844	-278
60	2010	219	1100	07-Aug-10	-72.8	17.95	0.878	176.6	30.27	0.878	176.6	63.64	0	0.824	-362
60	2010	219	1200	07-Aug-10	-72.8	18.89	1.522	264	27.56	1.522	264	36.41	0	0.745	-246
60	2010	219	1300	07-Aug-10	-72.8	20.8	2.33	248.1	29.2	2.33	248.1	33.24	0	0.808	-403
60	2010	219	1400	07-Aug-10	-72.8	20.88	2.278	236.5	29.45	2.278	236.5	32.73	0	0.861	-205
60	2010	219	1500	07-Aug-10	-72.8	18.47	2.308	255.1	25.66	2.308	255.1	27.97	0	0.734	-241
60	2010	219	1600	07-Aug-10	-72.8	16.84	1.288	244.7	30.7	1.288	244.7	39.88	0	0.729	-250
60	2010	219	1700	07-Aug-10	-72.8	13.65	1.31	233.7	26.87	1.31	233.7	28.89	0	0.726	-242
60	2010	219	1800	07-Aug-10	-72.8	9.52	0.91	235.2	23.85	0.91	235.2	36.15	0	0.717	-241
60	2010	219	1900	07-Aug-10	-72.8	4.808	0.627	306.4	16.59	0.627	306.4	21.75	0	0.718	-247
60	2010	219	2000	07-Aug-10	-72.8	-0.716	0.617	315.4	13.58	0.617	315.4	22.15	0	0.716	-278
60	2010	219	2100	07-Aug-10	-72.8	-4.881	0.552	336	14.25	0.552	336	15.99	0	0.714	-319
60	2010	219	2200	07-Aug-10	-72.8	-3.528	0.982	308.6	18.28	0.982	308.6	21.94	0	0.711	-320
60	2010	219	2300	07-Aug-10	-72.8	-3.888	1.169	297.6	18.48	1.169	297.6	20.84	0	0.709	-532
60	2010	219	2400	07-Aug-10	-72.8	-7.53	1.308	290.8	18.66	1.308	290.8	21.8	0	0.698	-535
60	2010	220	100	08-Aug-10	-72.8	-17.99	0.406	347.2	23.24	0.406	347.2	36.88	0	0.712	-393
60	2010	220	200	08-Aug-10	-72.8	-28.57	0.552	19.74	18.16	0.552	19.74	34.46	0	0.769	-329
60	2010	220	300	08-Aug-10	-72.8	-32.81	0.524	329	17.95	0.524	329	27.01	0	0.803	-368
60	2010	220	400	08-Aug-10	-72.8	-28.46	0.552	308.3	18.86	0.552	308.3	20.52	0	0.812	-365
60	2010	220	500	08-Aug-10	-72.8	-5.408	1.314	283	26.23	1.314	283	31.67	0	0.83	-282
60	2010	220	600	08-Aug-10	-72.8	6.017	1.436	285.5	26.98	1.436	285.5	34.05	0	2.66	0
60	2010	220	700	08-Aug-10	-72.8	11	1.169	216.6	27.44	1.169	216.6	40.21	0	0.713	-449
60	2010	220	800	08-Aug-10	-72.8	13.69	1.777	255.7	28.4	1.777	255.7	40.48	0	0.83	-276
60	2010	220	900	08-Aug-10	-72.8	15.14	1.416	219.3	31.67	1.416	219.3	38.55	0	0.869	-278
60	2010	220	1000	08-Aug-10	-72.8	14.61	1.58	225.6	24.33	1.58	225.6	31.55	0	0.812	-323
60	2010	220	1100	08-Aug-10	-72.8	13.95	0.936	222.9	26.14	0.936	222.9	37.97	0	0.798	-254
60	2010	220	1200	08-Aug-10	-72.8	14.55	1.332	229.6	31.14	1.332	229.6	43.84	0	0.841	-357
60	2010	220	1300	08-Aug-10	-72.8	13.98	1.954	183.6	34.62	1.954	183.6	37.73	0	0.858	-563
60	2010	220	1400	08-Aug-10	-72.8	12.34	2.311	200.6	36	2.311	200.6	40.79	0	0.918	-235
60	2010	220	1500	08-Aug-10	-72.8	16.6	2.555	220	32.26	2.555	220	36.41	0	0.912	-209
60	2010	220	1600	08-Aug-10	-72.8	6.084	1.919	219.2	33.85	1.919	219.2	36.01	0	0.9	-283
60	2010	220	1700	08-Aug-10	-72.8	0.608	1.304	224.1	32.28	1.304	224.1	35.05	0	0.9	-274
60	2010	220	1800	08-Aug-10	-72.8	-4.53	1.5	275.4	25.2	1.5	275.4	27.93	0	0.896	-275
60	2010	220	1900	08-Aug-10	-72.8	-9.31	0.715	294.4	24.65	0.715	294.4	27.18	0	0.894	-318
60	2010	220	2000	08-Aug-10	-72.8	-13.15	0.79	304.5	20.52	0.79	304.5	23.7	0	0.884	-526
60	2010	220	2100	08-Aug-10	-72.8	-20.3	0.535	328.9	16.43	0.535	328.9	20.01	0	0.827	-285
60	2010	220	2200	08-Aug-10	-72.8	-28.65	0.479	354.1	11.58	0.479	354.1	20.94	0	0.193	-282
60	2010	220	2300	08-Aug-10	-72.8	-27.65	0.885	320.3	15.93	0.885	320.3	27.3	0	0.821	-320
60	2010	220	2400	08-Aug-10	-72.8	-25.29	0.688	323.7	11.09	0.688	323.7	15.77	0	0.828	-282
60	2010	221	100	09-Aug-10	-72.8	-24.85	0.404	325.4	12.09	0.404	325.4	22.08	0	0.828	-278
60	2010	221	200	09-Aug-10	-72.8	-27.23	0.587	343.8	9.57	0.587	343.8	16.41	0	0.831	-276
60	2010	221	300	09-Aug-10	-72.8	-30.36	0.352	340.8	7.65	0.352	340.8	10.53	0	0.847	-240
60	2010	221	400	09-Aug-10	-72.8	-32.99	0.554	354.2	9.12	0.554	354.2	12.2	0	0.847	-239
60	2010	221	500	09-Aug-10	-72.8	-11.08	1.273	322.8	22.91	1.273	322.8	27.73	0	0.881	-282
60	2010	221	600	09-Aug-10	-72.8	8.71	1.671	290.5	35.1	1.671	290.5	39.22	0	0.89	-243
60	2010	221	700	09-Aug-10	-72.8	14.2	2.54	262.7	25.6	2.54	262.7	27.38	0	0.857	-242
60	2010	221	800	09-Aug-10	-72.8	17.37	2.205	264.8	26.35	2.205	264.8	31.18	0	0.872	-208
60	2010	221	900	09-Aug-10	-72.8	19.99	2.513	256.4	24.33	2.513	256.4	27.55	0	0.859	-248
60	2010	221	1000	09-Aug-10	-72.8	21.02	2.468	268.2	30.3	2.468	268.2	33.15	0	2.66	0
60	2010	221	1100	09-Aug-10	-72.8	21.12	2.437	262.3	25.8	2.437	262.3	28.3	0	0.799	-287
60	2010	221	1200	09-Aug-10	-72.8	20.67	1.732	255	24.37	1.732	255	26.64	0	0.86	-238
60	2010	221	1300	09-Aug-10	-72.8	20.38	1.496	231.4	31.62	1.496	231.4	37.02	0	0.809	-349
60	2010	221	1400	09-Aug-10	-72.8	19.24	1.073	236.6	30.88	1.073	236.6	48.84	0	0.863	-398
60	2010	221	1500	09-Aug-10	-72.8	17.35	1.575	220.8	27.64	1.575	220.8	33.16	0	0.847	-365
60	2010	221	1600	09-Aug-10	-72.8	16.9	1.544	229.4	26.59	1.544	229.4	31.04	0	0.761	-355
60	2010	221	1700	09-Aug-10	-72.8	9.07	1.466	270.8	20.13	1.466	270.8	21.36	0	0.739	-271
60	2010	221	1800	09-Aug-10	-72.8	-10.29	0.807	318.1	15.68	0.807	318.1	26.85	0	0.686	-457
60	2010	221	1900	09-Aug-10	-72.8	-28.27	0.406	25.5	14.16	0.406	25.5	25.78	0	0.69	-243
60	2010	221	2000	09-Aug-10	-72.8	-34.74	0.363	16.01	10.24	0.363	16.01	21.28	0	0.822	-244
60	2010	221	2100	09-Aug-10	-72.8	-36.98	0.311	28.7	7.83	0.311	28.7	18.12	0	0.766	-282

Client = Pacific Booker Minerals

NOTE: HEADINGS NOT VERIFIED

Array ID	Year	Julian Day	Hour Minute	(Column added by KCB) Date	Hourly Average Air Temperature (Celsius)	Hourly Average Relative Humidity (%)	15 Minute Average Wind Speed (m/s)	15 Minute Average Wind Direction (degrees)	15 Minute Standard Deviation for Wind Direction (degrees)	Hourly Total Precipitation (mm)					
60	2010	221	2200	09-Aug-10	-72.8	-38.37	0.291	10.63	5.312	0.291	10.63	9.72	0	0.807	-363
60	2010	221	2300	09-Aug-10	-72.8	-39.43	0.262	19.02	5.316	0.262	19.02	10.06	0	0.678	-249
60	2010	221	2400	09-Aug-10	-72.8	-40.2	0.421	9.44	11.79	0.421	9.44	29.21	0	0.738	-245
60	2010	222	100	10-Aug-10	-72.8	-40.55	0.395	358	6.51	0.395	358	20.99	0	0.717	-555
60	2010	222	200	10-Aug-10	-72.8	-40.63	0.337	12.8	10.07	0.337	12.8	21.51	0	0.737	-284
60	2010	222	300	10-Aug-10	-72.8	-40.31	0.264	2.23	5.138	0.264	2.23	17.34	0	0.825	-433
60	2010	222	400	10-Aug-10	-72.8	-38.66	0.276	8.27	3.864	0.276	8.27	13.78	0	0.746	-252
60	2010	222	500	10-Aug-10	-72.8	-26.94	0.44	316.8	17.37	0.44	316.8	31.29	0	0.789	-454
60	2010	222	600	10-Aug-10	-72.8	7.43	1.039	244.9	29.23	1.039	244.9	32.74	0	0.849	-287
60	2010	222	700	10-Aug-10	-72.8	13.94	1.436	266.1	29.83	1.436	266.1	38.3	0	2.66	0
60	2010	222	800	10-Aug-10	-72.8	17.69	1.469	293.7	35.29	1.469	293.7	46.49	0	0.775	-283
60	2010	222	900	10-Aug-10	-72.8	21.3	1.287	121.2	34.04	1.287	121.2	53.74	0	0.858	-247
60	2010	222	1000	10-Aug-10	-72.8	24.16	1.766	263.8	30.79	1.766	263.8	41.08	0	0.89	-278
60	2010	222	1100	10-Aug-10	-72.8	26.22	1.805	247.4	37.62	1.805	247.4	49.35	0	0.871	-279
60	2010	222	1200	10-Aug-10	-72.8	28.36	2.098	247.7	31.16	2.098	247.7	34.56	0	0.903	-240
60	2010	222	1300	10-Aug-10	-72.8	28.31	1.71	223.4	27.5	1.71	223.4	32.94	0	0.883	-246
60	2010	222	1400	10-Aug-10	-72.8	26.22	1.765	239.5	25.18	1.765	239.5	30.88	0	0.881	-280
60	2010	222	1500	10-Aug-10	-72.8	22.27	2.815	266.7	21.68	2.815	266.7	22.27	0	0.7	-211
60	2010	222	1600	10-Aug-10	-72.8	19.64	2.119	261.8	23.64	2.119	261.8	24.73	0	0.876	-272
60	2010	222	1700	10-Aug-10	-72.8	13.67	1.306	271.7	23.23	1.306	271.7	24.25	0	0.859	-248
60	2010	222	1800	10-Aug-10	-72.8	7.29	0.995	289.5	24.06	0.995	289.5	26.26	0	0.77	-398
60	2010	222	1900	10-Aug-10	-72.8	0.053	1.437	285.4	19.63	1.437	285.4	22.08	0	0.725	-280
60	2010	222	2000	10-Aug-10	-72.8	-4.687	0.842	318.6	22.37	0.842	318.6	30.5	0	0.761	-287
60	2010	222	2100	10-Aug-10	-72.8	-20.89	0.5	15.73	17.34	0.5	15.73	23.92	0	0.71	-320
60	2010	222	2200	10-Aug-10	-72.8	-29.52	0.676	331.7	11.25	0.676	331.7	15.47	0	0.678	-212
60	2010	222	2300	10-Aug-10	-72.8	-31.79	0.527	327.7	13.95	0.527	327.7	18.77	0	0.675	-241
60	2010	222	2400	10-Aug-10	-72.8	-32.46	0.627	358	10.32	0.627	358	23.98	0	0.047	-320
60	2010	223	100	11-Aug-10	-72.8	-33.3	0.344	358.2	8.94	0.344	358.2	26.87	0	0.681	-282
60	2010	223	200	11-Aug-10	-72.8	-33.31	0.493	334.9	13.38	0.493	334.9	27.85	0	0.686	-294
60	2010	223	300	11-Aug-10	-72.8	-32.46	0.147	352.3	9.78	0.147	352.3	16.95	0	0.766	-273
60	2010	223	400	11-Aug-10	-72.8	-31.81	0.406	339.3	17.13	0.406	339.3	31.76	0	0.697	-273
60	2010	223	500	11-Aug-10	-72.8	-12.2	0.909	316.4	20.34	0.909	316.4	26.12	0	0.764	-401
60	2010	223	600	11-Aug-10	-72.8	14.91	1.296	285.3	30.59	1.296	285.3	39.07	0	0.858	-323
60	2010	223	700	11-Aug-10	-72.8	18.25	2.989	264.4	32.02	2.989	264.4	33.07	0	2.66	0
60	2010	223	800	11-Aug-10	-72.8	18.63	3.319	262	25.21	3.319	262	28.01	0	0.776	-327
60	2010	223	900	11-Aug-10	-72.8	20.8	2.818	264.5	27.66	2.818	264.5	30.2	0	2.66	0
60	2010	223	1000	11-Aug-10	-72.8	21.76	2.738	256.2	26.85	2.738	256.2	30.08	0	2.66	0
60	2010	223	1100	11-Aug-10	-72.8	23.92	2.765	237.3	31.13	2.765	237.3	35.75	0	2.66	0
60	2010	223	1200	11-Aug-10	-72.8	27.83	2.729	236.1	33.49	2.729	236.1	37.67	0	2.66	0
60	2010	223	1300	11-Aug-10	-72.8	28.55	2.96	239.2	29.88	2.96	239.2	34.11	0	2.66	0
60	2010	223	1400	11-Aug-10	-72.8	28.23	2.515	242.9	31.31	2.515	242.9	35.12	0	0.582	-198
60	2010	223	1500	11-Aug-10	-72.8	25.88	2.595	250.8	28.4	2.595	250.8	31.39	0	0.431	-239
60	2010	223	1600	11-Aug-10	-72.8	21.5	2.666	250.2	25.58	2.666	250.2	26.84	0	0.778	-281
60	2010	223	1700	11-Aug-10	-72.8	10.49	2.074	241.1	29.41	2.074	241.1	30.3	0	0.732	-276
60	2010	223	1800	11-Aug-10	-72.8	-6.983	1.049	268.9	29.96	1.049	268.9	36.64	0	0.813	-449
60	2010	223	1900	11-Aug-10	-72.8	-24.04	0.582	343.6	15.82	0.582	343.6	22.56	0	0.795	-323
60	2010	223	2000	11-Aug-10	-72.8	-34.19	0.364	13.67	19.54	0.364	13.67	35.26	0	0.809	-430
60	2010	223	2100	11-Aug-10	-72.8	-37.67	0.246	10.83	17.79	0.246	10.83	24.78	0	0.808	-291
60	2010	223	2200	11-Aug-10	-72.8	-38.33	0.837	330.9	18.22	0.837	330.9	22.46	0	0.798	-561
60	2010	223	2300	11-Aug-10	-72.8	-38.04	0.639	344.1	21.63	0.639	344.1	31.53	0	0.819	-328
60	2010	223	2400	11-Aug-10	-72.8	-38.35	0.671	358	15.54	0.671	358	18.22	0	0.825	-265
60	2010	224	100	12-Aug-10	-72.8	-38.79	0.377	0.771	13.68	0.377	0.771	23.65	0	0.813	-312
60	2010	224	200	12-Aug-10	-72.8	-39.42	0.667	2.98	12.25	0.667	2.98	15.91	0	0.824	-317
60	2010	224	300	12-Aug-10	-72.8	-38.95	0.756	0.607	18.91	0.756	0.607	31.98	0	0.826	-350
60	2010	224	400	12-Aug-10	-72.8	-36.94	0.79	345.1	11.77	0.79	345.1	20.17	0	0.837	-209
60	2010	224	500	12-Aug-10	-72.8	-19.33	1.214	323.8	18.08	1.214	323.8	21.13	0	0.85	-284
60	2010	224	600	12-Aug-10	-72.8	8.56	2.223	300.3	26.06	2.223	300.3	27.7	0	0.735	-290
60	2010	224	700	12-Aug-10	-72.8	11.22	2.671	267.2	27.32	2.671	267.2	31.5	0	0.862	-284
60	2010	224	800	12-Aug-10	-72.8	13.24	2.869	254.3	25.9	2.869	254.3	27.8	0	0.744	-275
60	2010	224	900	12-Aug-10	-72.8	18.08	3.141	255.3	24.89	3.141	255.3	26.47	0	2.66	0
60	2010	224	1000	12-Aug-10	-72.8	20.72	3.524	257.9	22.38	3.524	257.9	24.81	0	0.763	-239
60	2010	224	1100	12-Aug-10	-72.8	22.72	2.981	253.8	27.44	2.981	253.8	29.9	0	0.769	-471
60	2010	224	1200	12-Aug-10	-72.8	24.59	3.165	252.1	25.43	3.165	252.1	27.25	0	2.66	0
60	2010	224	1300	12-Aug-10	-72.8	24.3	3.532	253.6	23.64	3.532	253.6	27.36	0	0.783	-512
60	2010	224	1400	12-Aug-10	-72.8	22.6	3.574	259.8	22.11	3.574	259.8	23.73	0	2.66	0
60	2010	224	1500	12-Aug-10	-72.8	19.52	3.227	258	21.05	3.227	258	22.21	0	0.792	-314
60	2010	224	1600	12-Aug-10	-72.8	15.76	2.192	262.5	22.41	2.192	262.5	23.82	0	0.756	-282
60	2010	224	1700	12-Aug-10	-72.8	3.314	1.578	276.3	19.65	1.578	276.3	23.73	0	0.825	-366
60	2010	224	1800	12-Aug-10	-72.8	-19.97	0.515	338.6	11.77	0.515	338.6	20.13	0	0.751	-315
60	2010	224	1900	12-Aug-10	-72.8	-34.65	0.164	2.916	16.22	0.164	2.916	27.97	0	0.742	-326
60	2010	224	2000	12-Aug-10	-72.8	-39.56	0.405	354.6	15.96	0.405	354.6	26.67	0	0.767	-285
60	2010	224	2100	12-Aug-10	-72.8	-41.18	0.334	351	13.31	0.334	351	24.06	0	0.765	-317
60	2010	224	2200	12-Aug-10	-72.8	-41.69	0.446	15.93	9.22	0.446	15.93	20.37	0	0.783	-360
60	2010	224	2300	12-Aug-10	-72.8	-41.77	0.632	28.88	16.45	0.632	28.88	45.23	0	0.782	-391
60	2010	224	2400	12-Aug-10	-72.8	-41.75	0.294	356.4	6.57	0.294	356.4	18.58	0	0.79	-319
60	2010	225	100	13-Aug-10	-72.8	-41.91	0.263	12.26	11.7	0.263	12.26	22.78	0	0.804	-362
60	2010	225	200	13-Aug-10	-72.8	-42.04	0.26	5.242	7.16	0.26	5.242	16.91	0	0.808	-357
60	2010	225	300	13-Aug-10	-72.8	-42.01	0.316	353.8	11.41	0.316	353.8	20.51	0	0.82	-322
60	2010	225	400	13-Aug-10	-72.8	-40.89	0.237	357.3	5.257	0.237	357.3	19.42	0	0.826	-597
60	2010	225	500	13-Aug-10	-72.8	-29.41	0.199	356	8.86	0.199	356	12.37	0	0.797	-283
60	2010	225	600	13-Aug-10	-72.8	5.308	0.237	219.6	21.14	0.237	219.6	38.98	0	0.117	-360
60	2010	225	700	13-Aug-10	-72.8	9.62	1.269	185.6	27.07	1.269	185.6	35.18	0	0.75	-246
60	2010	225	800	13-Aug-10	-72.8	9.84	2.156	101.8	28.14	2.156	101.8	34.52	0	0.778	-412
60	2010	225	900	13-Aug-10	-72.8	15.39	1.232	134.3	45.09	1.232	134.3	58.44	0	0.843	-365
60	2010	225	1000	13-Aug-10	-72.8	19.31	1.246	168.6	38.28	1.246	168.6	52.79	0	0.755	-312
60	2010	225	1100	13-Aug-10	-72.8	21.14	1.389	198.8	37.7	1.389	198.8	62.83	0	2.66	0
60	2010	225	1200	13-Aug-10	-72.8	23.19	1.327	228	39.22	1.327	228	53	0	0.879	-366
60	2010	225	1300	13-Aug-10	-72.8	24.55	1.282	216.5	34.64	1.282	216.5	46.89	0	2.66	0
60	2010	225	1400	13-Aug-10	-72.8	24.59	1.513	262	29.09	1.513	262	39.94	0	0.782	-395
60	2010	225	1500	13-Aug-10	-72.8	23.22	1.464	245	22.9	1.464	245	28.93	0	0.889	-320
60	2010	225	1600	13-Aug-10	-72.8	20.5	0.686	232	23.91	0.686	232	31.86	0	0.779	-394
60	2010	225	1700	13-Aug-10	-72.8	6.076	0.248	344	9.9	0.248	344	14.26	0	0.844	-248

Client = Pacific Booker Minerals

NOTE: HEADINGS NOT VERIFIED

Array ID	Year	Julian Day	Hour Minute	(Column added by KCB) Date	Hourly Average Air Temperature (Celsius)	Hourly Average Relative Humidity (%)	15 Minute Average Wind Speed (m/s)	15 Minute Average Wind Direction (degrees)	15 Minute Standard Deviation for Wind Direction (degrees)	Hourly Total Precipitation (mm)					
60	2010	225	1800	13-Aug-10	-72.8	-16.93	0.781	46.81	19.69	0.781	46.81	33.97	0	0.844	-281
60	2010	225	1900	13-Aug-10	-72.8	-31.48	0.651	21.99	11.12	0.651	21.99	27.09	0	0.851	-284
60	2010	225	2000	13-Aug-10	-72.8	-37.33	0.467	14.28	5.196	0.467	14.28	12.33	0	0.851	-290
60	2010	225	2100	13-Aug-10	-72.8	-39.53	0.406	358.4	6.193	0.406	358.4	18.98	0	0.731	-360
60	2010	225	2200	13-Aug-10	-72.8	-40.42	0.289	355.3	5.558	0.289	355.3	16.11	0	0.786	-316
60	2010	225	2300	13-Aug-10	-72.8	-40.92	0.34	349.3	8.9	0.34	349.3	32.13	0	0.75	-318
60	2010	225	2400	13-Aug-10	-72.8	-40.98	0.235	344.6	3.28	0.235	344.6	7.77	0	0.777	-281
60	2010	226	100	14-Aug-10	-72.8	-40.9	0.223	348.9	4.425	0.223	348.9	8.74	0	0.779	-281
60	2010	226	200	14-Aug-10	-72.8	-40.74	0.236	347.3	1.997	0.236	347.3	8.26	0	0.797	-325
60	2010	226	300	14-Aug-10	-72.8	-40.62	0.258	336.6	0.084	0.258	336.6	0.123	0	0.781	-280
60	2010	226	400	14-Aug-10	-72.8	-39.23	0.222	336.6	0.061	0.222	336.6	0.081	0	0.793	-275
60	2010	226	500	14-Aug-10	-72.8	-25.93	0.174	331.1	2.74	0.174	331.1	6.623	0	0.852	-281
60	2010	226	600	14-Aug-10	-72.8	10.65	0.461	220.5	26.2	0.461	220.5	41.38	0	0.739	-313
60	2010	226	700	14-Aug-10	-72.8	14.46	0.83	196.8	30.53	0.83	196.8	41.36	0	0.751	-240
60	2010	226	800	14-Aug-10	-72.8	14.3	1.571	135.3	33.94	1.571	135.3	37.41	0	0.869	-273
60	2010	226	900	14-Aug-10	-72.8	17.6	1.849	142.3	30.58	1.849	142.3	34.03	0	0.806	-313
60	2010	226	1000	14-Aug-10	-72.8	22.58	1.62	135	32.76	1.62	135	43.38	0	2.66	0
60	2010	226	1100	14-Aug-10	-72.8	25.06	1.649	148.7	33.02	1.649	148.7	54.58	0	2.66	0
60	2010	226	1200	14-Aug-10	-72.8	26.64	1.54	164	42.43	1.54	164	55.06	0	0.829	-310
60	2010	226	1300	14-Aug-10	-72.8	27.05	1.634	180.5	31.25	1.634	180.5	38.86	0	0.898	-285
60	2010	226	1400	14-Aug-10	-72.8	26.49	1.329	171.4	30.03	1.329	171.4	44.19	0	0.876	-556
60	2010	226	1500	14-Aug-10	-72.8	25.32	1.197	174.8	34.5	1.197	174.8	63.26	0	0.797	-240
60	2010	226	1600	14-Aug-10	-72.8	21.88	1.144	127.7	30.02	1.144	127.7	38.12	0	0.801	-359
60	2010	226	1700	14-Aug-10	-72.8	8.94	0.596	67.2	16.34	0.596	67.2	19.98	0	0.801	-569
60	2010	226	1800	14-Aug-10	-72.8	-14.9	0.485	19.02	13.44	0.485	19.02	21.89	0	0.814	-276
60	2010	226	1900	14-Aug-10	-72.8	-29.79	0.629	20.32	8.08	0.629	20.32	12.03	0	0.738	-246
60	2010	226	2000	14-Aug-10	-72.8	-35.76	0.363	17.13	12.22	0.363	17.13	34.2	0	0.852	-322
60	2010	226	2100	14-Aug-10	-72.8	-38.66	0.359	359.9	14	0.359	359.9	19.24	0	0.865	-274
60	2010	226	2200	14-Aug-10	-72.8	-39.73	0.285	4.95	6.94	0.285	4.95	15.75	0	0.854	-285
60	2010	226	2300	14-Aug-10	-72.8	-40.11	0.301	352.2	8.05	0.301	352.2	18.05	0	0.737	-281
60	2010	226	2400	14-Aug-10	-72.8	-40.05	0.184	358.5	3.14	0.184	358.5	8.6	0	0.843	-312
60	2010	227	100	15-Aug-10	-72.8	-39.89	0.231	347.5	3.677	0.231	347.5	6.507	0	0.846	-270
60	2010	227	200	15-Aug-10	-72.8	-39.78	0.265	354.9	6.834	0.265	354.9	16.15	0	0.85	-244
60	2010	227	300	15-Aug-10	-72.8	-39.65	0.338	342.5	5.265	0.338	342.5	11.59	0	0.788	-313
60	2010	227	400	15-Aug-10	-72.8	-37.71	0.233	356.1	4.894	0.233	356.1	19.95	0	0.85	-250
60	2010	227	500	15-Aug-10	-72.8	-24.86	0.037	349.4	0.023	0.037	349.4	0.048	0	0.871	-398
60	2010	227	600	15-Aug-10	-72.8	12.8	0.329	208.1	23.39	0.329	208.1	33.47	0	0.783	-274
60	2010	227	700	15-Aug-10	-72.8	16.41	0.605	218.7	36.21	0.605	218.7	44.12	0	2.66	0
60	2010	227	800	15-Aug-10	-72.8	13.04	1.538	135.1	28.22	1.538	135.1	31.65	0	0.892	-271
60	2010	227	900	15-Aug-10	-72.8	16.38	1.925	139.3	25.48	1.925	139.3	26.77	0	2.66	0
60	2010	227	1000	15-Aug-10	-72.8	21.63	1.919	111.9	33.5	1.919	111.9	37.52	0	0.931	-239
60	2010	227	1100	15-Aug-10	-72.8	24.19	1.971	102.6	36.18	1.971	102.6	43.57	0	2.66	0
60	2010	227	1200	15-Aug-10	-72.8	25.85	1.689	95	43.89	1.689	95	53.44	0	0.789	-509
60	2010	227	1300	15-Aug-10	-72.8	25.38	1.498	82.4	47.26	1.498	82.4	56.77	0	0.91	-326
60	2010	227	1400	15-Aug-10	-72.8	24.26	1.82	111.6	33.82	1.82	111.6	41.93	0	0.801	-247
60	2010	227	1500	15-Aug-10	-72.8	21.32	1.768	121	24.56	1.768	121	29.87	0	0.806	-393
60	2010	227	1600	15-Aug-10	-72.8	15.13	1.058	234.6	32.38	1.058	234.6	38.16	0	0.704	-273
60	2010	227	1700	15-Aug-10	-72.8	0.912	0.446	352.3	12.4	0.446	352.3	19.11	0	0.797	-362
60	2010	227	1800	15-Aug-10	-72.8	-20.07	0.474	23.67	14.43	0.474	23.67	22.11	0	0.783	-287
60	2010	227	1900	15-Aug-10	-72.8	-32.17	0.837	37.26	20.61	0.837	37.26	27.75	0	0.77	-330
60	2010	227	2000	15-Aug-10	-72.8	-36.25	0.453	17.23	11.1	0.453	17.23	20.58	0	0.766	-366
60	2010	227	2100	15-Aug-10	-72.8	-38.13	0.467	14.44	15.02	0.467	14.44	24.18	0	0.853	-357
60	2010	227	2200	15-Aug-10	-72.8	-38.86	0.347	5.742	25.45	0.347	5.742	36.75	0	0.75	-447
60	2010	227	2300	15-Aug-10	-72.8	-38.86	0.272	354.4	13.94	0.272	354.4	19.95	0	0.769	-490
60	2010	227	2400	15-Aug-10	-72.8	-38.68	0.24	15.93	9.82	0.24	15.93	20.72	0	0.764	-326
60	2010	228	100	16-Aug-10	-72.8	-38.57	0.257	1.938	11.83	0.257	1.938	28.8	0	0.786	-537
60	2010	228	200	16-Aug-10	-72.8	-38.58	0.288	356.7	10.32	0.288	356.7	24.45	0	0.751	-454
60	2010	228	300	16-Aug-10	-72.8	-38.76	0.172	352.3	5.798	0.172	352.3	11.42	0	0.759	-281
60	2010	228	400	16-Aug-10	-72.8	-37.16	0.259	354.8	7.22	0.259	354.8	19.94	0	0.728	-325
60	2010	228	500	16-Aug-10	-72.8	-22.86	0.157	323.8	4.529	0.157	323.8	22.94	0	0.782	-247
60	2010	228	600	16-Aug-10	-72.8	15.99	0.539	259.8	21.52	0.539	259.8	31.53	0	0.713	-270
60	2010	228	700	16-Aug-10	-72.8	15.09	1.488	281.9	26.8	1.488	281.9	29.73	0	2.66	0
60	2010	228	800	16-Aug-10	-72.8	8.79	0.89	243.2	39	0.89	243.2	60.9	0	2.66	0
60	2010	228	900	16-Aug-10	-72.8	12.23	1.058	220.4	32.62	1.058	220.4	49.32	0	0.445	-285
60	2010	228	1000	16-Aug-10	-72.8	15.27	1.293	206.4	41.22	1.293	206.4	50.98	0	0.74	-316
60	2010	228	1100	16-Aug-10	-72.8	19.41	1.654	258.6	32.71	1.654	258.6	43.72	0	0.764	-289
60	2010	228	1200	16-Aug-10	-72.8	21.23	2.214	252.5	30.53	2.214	252.5	33.93	0	0.76	-235
60	2010	228	1300	16-Aug-10	-72.8	21	2.057	246.6	29.79	2.057	246.6	33.33	0	0.887	-278
60	2010	228	1400	16-Aug-10	-72.8	19.17	2.422	256.1	24.17	2.422	256.1	28.71	0	0.708	-301
60	2010	228	1500	16-Aug-10	-72.8	10.63	2.349	264.8	22.16	2.349	264.8	22.79	0	0.758	-248
60	2010	228	1600	16-Aug-10	-72.8	4.237	1.654	266	21.98	1.654	266	22.89	0	0.742	-281
60	2010	228	1700	16-Aug-10	-72.8	-11.21	0.379	353.1	12.88	0.379	353.1	19.68	0	0.766	-318
60	2010	228	1800	16-Aug-10	-72.8	-28.15	0.393	2.2	18.45	0.393	2.2	25.16	0	0.857	-327
60	2010	228	1900	16-Aug-10	-72.8	-36.53	0.647	8.41	11.76	0.647	8.41	17.01	0	0.713	-277
60	2010	228	2000	16-Aug-10	-72.8	-39.64	0.256	15.95	10.33	0.256	15.95	20.8	0	0.712	-353
60	2010	228	2100	16-Aug-10	-72.8	-41.52	0.438	5.171	13.96	0.438	5.171	18.91	0	0.706	-276
60	2010	228	2200	16-Aug-10	-72.8	-42.85	0.386	1.17	9.41	0.386	1.17	31.26	0	0.702	-280
60	2010	228	2300	16-Aug-10	-72.8	-43.3	0.308	353.4	8.3	0.308	353.4	13.49	0	0.695	-286
60	2010	228	2400	16-Aug-10	-72.8	-43.3	0.301	352.4	13.61	0.301	352.4	25.42	0	0.691	-324
60	2010	229	100	17-Aug-10	-72.8	-43.15	0.323	351.1	12.43	0.323	351.1	28.63	0	0.197	-321
60	2010	229	200	17-Aug-10	-72.8	-42.83	0.292	348.3	7.79	0.292	348.3	26.61	0	0.851	-279
60	2010	229	300	17-Aug-10	-72.8	-42.21	0.325	333.7	2.52	0.325	333.7	18.14	0	0.844	-434
60	2010	229	400	17-Aug-10	-72.8	-40.57	0.271	345.1	6.125	0.271	345.1	16.64	0	0.687	-248
60	2010	229	500	17-Aug-10	-72.8	-31.15	0.153	318.9	8.41	0.153	318.9	11.36	0	0.872	-415
60	2010	229	600	17-Aug-10	-72.8	3.656	1.054	257.3	19.55	1.054	257.3	23.57	0	0.496	-325
60	2010	229	700	17-Aug-10	-72.8	3.636	0.996	237.5	34.11	0.996	237.5	38.03	0	2.66	0
60	2010	229	800	17-Aug-10	-72.8	1.498	1.455	247.3	31.7	1.455	247.3	42.16	0	0.881	-278
60	2010	229	900	17-Aug-10	-72.8	5.843	1.133	227.4	34.67	1.133	227.4	41.42	0	2.66	0
60	2010	229	1000	17-Aug-10	-72.8	9.83	1.369	264.1	34.21	1.369	264.1	57.17	0	2.66	0
60	2010	229	1100	17-Aug-10	-72.8	13.55	1.458	275.8	34.47	1.458	275.8	46.32	0	0.745	-275
60	2010	229	1200	17-Aug-10	-72.8	16.96	1.172	228	43.78	1.172	228	56.16	0	0.793	-513
60	2010	229	1300	17-Aug-10	-72.8	18.63	1.701	242.9	30	1.701	242.9	41.3	0	0.756	-479

Client = Pacific Booker Minerals

NOTE: HEADINGS NOT VERIFIED

Array ID	Year	Julian Day	Hour Minute	(Column added by KCB) Date	Hourly Average Air Temperature (Celsius)	Hourly Average Relative Humidity (%)	15 Minute Average Wind Speed (m/s)	15 Minute Average Wind Direction (degrees)	15 Minute Standard Deviation for Wind Direction (degrees)	Hourly Total Precipitation (mm)					
60	2010	229	1400	17-Aug-10	-72.8	17.1	1.973	232.4	31.05	1.973	232.4	37.16	0	0.812	-241
60	2010	229	1500	17-Aug-10	-72.8	12.63	1.813	211.8	33.57	1.813	211.8	37.53	0	0.75	-578
60	2010	229	1600	17-Aug-10	-72.8	6.112	1.887	223.1	28.95	1.887	223.1	32.15	0	0.773	-252
60	2010	229	1700	17-Aug-10	-72.8	-9.01	0.946	283.2	27.65	0.946	283.2	36.56	0	0.869	-280
60	2010	229	1800	17-Aug-10	-72.8	-29.04	0.635	339.4	22.19	0.635	339.4	24.47	0	0.72	-286
60	2010	229	1900	17-Aug-10	-72.8	-38.11	0.701	11.86	11.22	0.701	11.86	23.07	0	0.854	-365
60	2010	229	2000	17-Aug-10	-72.8	-41.2	0.539	28.43	13.75	0.539	28.43	36.88	0	0.753	-356
60	2010	229	2100	17-Aug-10	-72.8	-42.59	0.535	28.27	9.74	0.535	28.27	13.4	0	0.759	-452
60	2010	229	2200	17-Aug-10	-72.8	-43.16	0.541	15.64	13.5	0.541	15.64	31.44	0	0.851	-275
60	2010	229	2300	17-Aug-10	-72.8	-43.2	0.433	15.86	12.38	0.433	15.86	31.71	0	0.849	-247
60	2010	229	2400	17-Aug-10	-72.8	-43.32	0.573	347	16.98	0.573	347	40.33	0	0.711	-250
60	2010	230	100	18-Aug-10	-72.8	-43.16	0.39	352	11.97	0.39	352	23.75	0	0.705	-275
60	2010	230	200	18-Aug-10	-72.8	-42.44	0.367	8.79	9.49	0.367	8.79	27.55	0	0.723	-285
60	2010	230	300	18-Aug-10	-72.8	-40.19	0.158	36.63	10	0.158	36.63	11.37	0	0.849	-243
60	2010	230	400	18-Aug-10	-72.8	-35.73	0.43	18.26	16.66	0.43	18.26	50.73	0	0.854	-355
60	2010	230	500	18-Aug-10	-72.8	-30.14	0.353	50.55	17.04	0.353	50.55	54.45	0	0.71	-244
60	2010	230	600	18-Aug-10	-72.8	-15.25	0.784	350.8	26.3	0.784	350.8	57.93	0	0.752	-277
60	2010	230	700	18-Aug-10	-72.8	10.19	1.265	121.8	31.61	1.265	121.8	45.9	0	0.766	-282
60	2010	230	800	18-Aug-10	-72.8	0.071	1.748	176.4	40.05	1.748	176.4	43.61	0	0.765	-289
60	2010	230	900	18-Aug-10	-72.8	-9.75	3.043	205.5	35.62	3.043	205.5	38.89	0	0.773	-246
60	2010	230	1000	18-Aug-10	-72.8	-17.13	2.726	188.5	38.03	2.726	188.5	40.03	0	0.779	-311
60	2010	230	1100	18-Aug-10	-72.8	-16.61	3.129	171.6	31.69	3.129	171.6	35.74	0	2.66	0
60	2010	230	1200	18-Aug-10	-72.8	-17.47	3.325	203.8	32.99	3.325	203.8	35.15	0	2.66	0
60	2010	230	1300	18-Aug-10	-72.8	-18.92	3.393	206.1	32.2	3.393	206.1	35.19	0	0.883	-283
60	2010	230	1400	18-Aug-10	-72.8	-23.23	3.407	207.9	33.59	3.407	207.9	37.41	0	0.705	-300
60	2010	230	1500	18-Aug-10	-72.8	-30.54	3.224	232.1	32.8	3.224	232.1	35.25	0	0.728	-274
60	2010	230	1600	18-Aug-10	-72.8	-37.26	3.899	251.6	25.28	3.899	251.6	26.39	0	0.746	-273
60	2010	230	1700	18-Aug-10	-72.8	-42.27	2.464	235.8	32.59	2.464	235.8	34.4	0	0.875	-321
60	2010	230	1800	18-Aug-10	-72.8	-44.62	1.967	235.9	32.63	1.967	235.9	35.2	0	0.718	-489
60	2010	230	1900	18-Aug-10	-72.8	-45.48	1.154	277.3	20.86	1.154	277.3	27.77	0	0.864	-291
60	2010	230	2000	18-Aug-10	-72.8	-45.96	1.207	303.2	18.2	1.207	303.2	20.21	0	0.753	-313
60	2010	230	2100	18-Aug-10	-72.8	-46.23	0.591	299.8	19	0.591	299.8	28.49	0	0.833	-362
60	2010	230	2200	18-Aug-10	-72.8	-46.08	1.156	292	19.94	1.156	292	25.5	0	0.837	-245
60	2010	230	2300	18-Aug-10	-72.8	-46.11	0.623	328.8	12.46	0.623	328.8	15.63	0	0.824	-241
60	2010	230	2400	18-Aug-10	-72.8	-46.21	0.686	344.3	7.53	0.686	344.3	21.42	0	0.82	-284
60	2010	231	100	19-Aug-10	-72.8	-45.99	0.821	319.8	13.7	0.821	319.8	16.31	0	0.822	-283
60	2010	231	200	19-Aug-10	-72.8	-45.42	0.641	342.9	8.31	0.641	342.9	16.66	0	0.821	-276
60	2010	231	300	19-Aug-10	-72.8	-45.18	0.549	344	11.32	0.549	344	21.83	0	0.821	-274
60	2010	231	400	19-Aug-10	-72.8	-44.67	0.564	353.7	9.17	0.564	353.7	15.4	0	0.826	-244
60	2010	231	500	19-Aug-10	-72.8	-42.01	0.879	302.5	19.36	0.879	302.5	21.43	0	0.843	-243
60	2010	231	600	19-Aug-10	-72.8	-34.97	1.537	288.2	29.64	1.537	288.2	36.7	0	0.714	-275
60	2010	231	700	19-Aug-10	-72.8	-34.07	2.237	273.7	28.45	2.237	273.7	34.56	0	0.84	-248
60	2010	231	800	19-Aug-10	-72.8	-37.19	2.078	253.9	26.67	2.078	253.9	31.67	0	0.736	-281
60	2010	231	900	19-Aug-10	-72.8	-39.8	1.907	251.4	27.36	1.907	251.4	33.95	0	0.856	-274
60	2010	231	1000	19-Aug-10	-72.8	-40.26	2.88	250.1	25.53	2.88	250.1	27.44	0	0.851	-276
60	2010	231	1100	19-Aug-10	-72.8	-36.63	2.904	240	29.43	2.904	240	31.62	0	0.748	-277
60	2010	231	1200	19-Aug-10	-72.8	-40.31	2.771	241	28.73	2.771	241	31.28	0	0.734	-243
60	2010	231	1300	19-Aug-10	-72.8	-41.15	2.506	250.6	25.53	2.506	250.6	28.72	0	0.852	-408
60	2010	231	1400	19-Aug-10	-72.8	-40.61	2.108	276	26.2	2.108	276	28.75	0	0.759	-320
60	2010	231	1500	19-Aug-10	-72.8	-41.5	2.167	260.6	26.7	2.167	260.6	29.34	0	0.753	-319
60	2010	231	1600	19-Aug-10	-72.8	-42.48	2.073	247.5	25.02	2.073	247.5	27.22	0	0.875	-285
60	2010	231	1700	19-Aug-10	-72.8	-44.08	1.623	260.8	29.64	1.623	260.8	31.92	0	0.74	-362
60	2010	231	1800	19-Aug-10	-72.8	-44.98	0.789	288.9	21.5	0.789	288.9	24.95	0	0.719	-359
60	2010	231	1900	19-Aug-10	-72.8	-45.66	0.481	341.6	11.82	0.481	341.6	20.06	0	0.836	-246
60	2010	231	2000	19-Aug-10	-72.8	-46.1	0.491	24.05	7.96	0.491	24.05	16.93	0	0.822	-250
60	2010	231	2100	19-Aug-10	-72.8	-46.19	0.459	15.78	12.03	0.459	15.78	19.54	0	0.825	-244
60	2010	231	2200	19-Aug-10	-72.8	-46.06	0.502	18.56	12.23	0.502	18.56	17.72	0	0.827	-238
60	2010	231	2300	19-Aug-10	-72.8	-45.65	0.161	357.4	5.157	0.161	357.4	16.7	0	0.829	-240
60	2010	231	2400	19-Aug-10	-72.8	-44.45	0.441	356.6	4.986	0.441	356.6	12.53	0	0.736	-315
60	2010	232	100	20-Aug-10	-72.8	-43.11	0.245	332.8	4.915	0.245	332.8	11.44	0	0.838	-238
60	2010	232	200	20-Aug-10	-72.8	-42.95	0.302	346.8	6.871	0.302	346.8	16.06	0	0.83	-237
60	2010	232	300	20-Aug-10	-72.8	-44.23	0.282	4.749	4.83	0.282	4.749	15.77	0	0.822	-239
60	2010	232	400	20-Aug-10	-72.8	-44.99	0.603	24.6	8.84	0.603	24.6	12.6	0	0.824	-239
60	2010	232	500	20-Aug-10	-72.8	-42.43	0.689	343.9	14.5	0.689	343.9	19.39	0	0.247	-318
60	2010	232	600	20-Aug-10	-72.8	-30.77	1.112	316.6	32.41	1.112	316.6	40.71	0	0.763	-241
60	2010	232	700	20-Aug-10	-72.8	-29.9	1.643	275.4	36.57	1.643	275.4	48.37	0	0.85	-215
60	2010	232	800	20-Aug-10	-72.8	-37.27	1.771	270.8	30.81	1.771	270.8	40.22	0	0.843	-240
60	2010	232	900	20-Aug-10	-72.8	-39.1	2.236	256.2	23.97	2.236	256.2	29	0	0.713	-322
60	2010	232	1000	20-Aug-10	-72.8	-38.72	1.145	266.8	36.59	1.145	266.8	62.67	0	0.741	-247
60	2010	232	1100	20-Aug-10	-72.8	-38.31	1.357	306.3	38.27	1.357	306.3	75.1	0	0.842	-274
60	2010	232	1200	20-Aug-10	-72.8	-38.31	1.275	262.5	28.45	1.275	262.5	60.7	0	0.724	-315
60	2010	232	1300	20-Aug-10	-72.8	-39.8	1.015	209.8	30.37	1.015	209.8	49.77	0	0.726	-249
60	2010	232	1400	20-Aug-10	-72.8	-40.58	0.895	229.6	29.03	0.895	229.6	53.41	0	0.737	-277
60	2010	232	1500	20-Aug-10	-72.8	-40.37	1.547	182.6	30.58	1.547	182.6	57.69	0	0.732	-278
60	2010	232	1600	20-Aug-10	-72.8	-41.24	0.624	211.6	17.04	0.624	211.6	46.4	0	0.715	-282
60	2010	232	1700	20-Aug-10	-72.8	-43.77	0.764	52.71	11.79	0.764	52.71	21.21	0	0.73	-315
60	2010	232	1800	20-Aug-10	-72.8	-45.48	1.279	52.69	18.14	1.279	52.69	24.69	0	0.827	-314
60	2010	232	1900	20-Aug-10	-72.8	-45.98	0.673	38.67	15.09	0.673	38.67	31.38	0	0.826	-357
60	2010	232	2000	20-Aug-10	-72.8	-45.69	0.636	27.22	12.08	0.636	27.22	27.12	0	0.832	-244
60	2010	232	2100	20-Aug-10	-72.8	-45.12	0.262	13.35	8.5	0.262	13.35	21.56	0	0.831	-273
60	2010	232	2200	20-Aug-10	-72.8	-44.64	0.442	328.9	11.73	0.442	328.9	21.33	0	0.835	-247
60	2010	232	2300	20-Aug-10	-72.8	-44.26	0.208	13.13	9.54	0.208	13.13	22.28	0	0.836	-211
60	2010	232	2400	20-Aug-10	-72.8	-44.08	0.31	358.9	9.01	0.31	358.9	31.76	0	0.831	-245
60	2010	233	100	21-Aug-10	-72.8	-44.07	0.102	0.991	1.873	0.102	0.991	3.767	0	0.828	-273
60	2010	233	200	21-Aug-10	-72.8	-44.33	0.202	8.57	7.53	0.202	8.57	12.88	0	0.734	-321
60	2010	233	300	21-Aug-10	-72.8	-44.63	0.281	356.7	5.408	0.281	356.7	16.3	0	0.823	-272
60	2010	233	400	21-Aug-10	-72.8	-43.76	0.203	10.93	5.05	0.203	10.93	15.65	0	0.836	-245
60	2010	233	500	21-Aug-10	-72.8	-39.82	0.303	270.7	14.16	0.303	270.7	21.58	0	0.847	-244
60	2010	233	600	21-Aug-10	-72.8	-28.84	0.951	285	27.74	0.951	285	34.22	0	2.66	0
60	2010	233	700	21-Aug-10	-72.8	-25.22	1.394	258.5	31.42	1.394	258.5	40.55	0	0.735	-325
60	2010	233	800	21-Aug-10	-72.8	-28.62	2.09	247.1	24.98	2.09	247.1	27.06	0	0.127	-319
60	2010	233	900	21-Aug-10	-72.8	-31.35	1.363	233.5	38.14	1.363	233.5	62.96	0	2.66	0

Client = Pacific Booker Minerals

NOTE: HEADINGS NOT VERIFIED

Array ID	Year	Julian Day	Hour Minute	(Column added by KCB) Date	Hourly Average Air Temperature (Celsius)	Hourly Average Relative Humidity (%)	15 Minute Average Wind Speed (m/s)	15 Minute Average Wind Direction (degrees)	15 Minute Standard Deviation for Wind Direction (degrees)	Hourly Total Precipitation (mm)					
60	2010	233	1000	21-Aug-10	-72.8	-32.68	1.499	179	30.37	1.499	179	43.46	0	2.66	0
60	2010	233	1100	21-Aug-10	-72.8	-36.23	1.428	141.8	27.57	1.428	141.8	40.57	0	2.66	0
60	2010	233	1200	21-Aug-10	-72.8	-38.29	1.153	215.5	29.47	1.153	215.5	41.74	0	0.849	-245
60	2010	233	1300	21-Aug-10	-72.8	-39.13	0.912	179.1	27.94	0.912	179.1	40.01	0	0.746	-277
60	2010	233	1400	21-Aug-10	-72.8	-38.21	1.12	187.4	31.74	1.12	187.4	40.9	0	0.865	-244
60	2010	233	1500	21-Aug-10	-72.8	-40.54	0.902	237.6	28.73	0.902	237.6	46.23	0	0.851	-312
60	2010	233	1600	21-Aug-10	-72.8	-41.63	1.307	277.8	18.49	1.307	277.8	22.64	0	0.712	-317
60	2010	233	1700	21-Aug-10	-72.8	-42.24	0.226	348.9	15.8	0.226	348.9	34.15	0	0.698	-322
60	2010	233	1800	21-Aug-10	-72.8	-42.57	0.976	310.7	18.39	0.976	310.7	21.18	0	0.716	-359
60	2010	233	1900	21-Aug-10	-72.8	-43.05	0.779	334.4	14.87	0.779	334.4	20.36	0	0.739	-355
60	2010	233	2000	21-Aug-10	-72.8	-43.51	0.228	5.077	2.195	0.228	5.077	4.989	0	0.837	-244
60	2010	233	2100	21-Aug-10	-72.8	-43.94	0.388	341.5	5.214	0.388	341.5	9.67	0	0.839	-241
60	2010	233	2200	21-Aug-10	-72.8	-43.99	0.278	339.2	10.9	0.278	339.2	14.85	0	0.837	-239
60	2010	233	2300	21-Aug-10	-72.8	-43.88	0.291	9.08	6.084	0.291	9.08	17.86	0	0.835	-244
60	2010	233	2400	21-Aug-10	-72.8	-43.76	0.286	334.3	10.98	0.286	334.3	14.03	0	0.834	-245
60	2010	234	100	22-Aug-10	-72.8	-43.57	0.238	7.26	5.859	0.238	7.26	13.67	0	0.829	-241
60	2010	234	200	22-Aug-10	-72.8	-43.97	0.24	0.992	4.869	0.24	0.992	27.26	0	0.822	-272
60	2010	234	300	22-Aug-10	-72.8	-44.66	0.285	354	5.618	0.285	354	15.64	0	0.818	-242
60	2010	234	400	22-Aug-10	-72.8	-44.57	0.519	321.7	12.71	0.519	321.7	31.24	0	0.819	-244
60	2010	234	500	22-Aug-10	-72.8	-42.55	0.308	348.2	9.11	0.308	348.2	16.94	0	0.842	-282
60	2010	234	600	22-Aug-10	-72.8	-25.23	1.443	288.8	30.82	1.443	288.8	40.05	0	0.71	-443
60	2010	234	700	22-Aug-10	-72.8	-20.65	2.207	274.8	26.32	2.207	274.8	30.63	0	2.66	0
60	2010	234	800	22-Aug-10	-72.8	-23.17	1.906	263.1	31.03	1.906	263.1	45.72	0	0.747	-280
60	2010	234	900	22-Aug-10	-72.8	-28.99	2.147	238.1	27	2.147	238.1	31.26	0	0.731	-278
60	2010	234	1000	22-Aug-10	-72.8	-31.62	1.814	288	30.66	1.814	288	34.56	0	0.692	-358
60	2010	234	1100	22-Aug-10	-72.8	-34.53	1.551	302.2	29.3	1.551	302.2	34.72	0	2.66	0
60	2010	234	1200	22-Aug-10	-72.8	-32.48	1.562	295.6	28.19	1.562	295.6	39.09	0	2.66	0
60	2010	234	1300	22-Aug-10	-72.8	-36	2.422	276.8	27.5	2.422	276.8	30.15	0	0.747	-318
60	2010	234	1400	22-Aug-10	-72.8	-37.4	3.034	263	23.56	3.034	263	25.6	0	2.66	0
60	2010	234	1500	22-Aug-10	-72.8	-38.88	2.265	264.6	26.36	2.265	264.6	28.48	0	0.713	-286
60	2010	234	1600	22-Aug-10	-72.8	-38.93	2.38	270.3	23.44	2.38	270.3	25.65	0	0.848	-397
60	2010	234	1700	22-Aug-10	-72.8	-40.76	1.286	256.7	22.44	1.286	256.7	29.75	0	0.849	-248
60	2010	234	1800	22-Aug-10	-72.8	-41.79	0.731	322.1	16.2	0.731	322.1	23.4	0	0.708	-409
60	2010	234	1900	22-Aug-10	-72.8	-42.88	0.669	341.1	19.04	0.669	341.1	23.19	0	0.837	-244
60	2010	234	2000	22-Aug-10	-72.8	-43.66	0.369	22.45	19.63	0.369	22.45	36.39	0	0.83	-238
60	2010	234	2100	22-Aug-10	-72.8	-44.67	0.575	40.25	7.25	0.575	40.25	13.76	0	0.824	-243
60	2010	234	2200	22-Aug-10	-72.8	-44.61	0.512	32.47	12.49	0.512	32.47	20.56	0	0.615	-200
60	2010	234	2300	22-Aug-10	-72.8	-44.39	0.549	30.39	11.72	0.549	30.39	22.42	0	0.812	-247
60	2010	234	2400	22-Aug-10	-72.8	-44.22	0.214	25.58	4.258	0.214	25.58	19.55	0	0.646	-325
60	2010	235	100	23-Aug-10	-72.8	-44.48	0.349	22.86	7.34	0.349	22.86	14.59	0	0.696	-485
60	2010	235	200	23-Aug-10	-72.8	-44.55	0.468	26.7	8.04	0.468	26.7	18.97	0	0.806	-276
60	2010	235	300	23-Aug-10	-72.8	-44.58	0.452	19.05	7.19	0.452	19.05	14.49	0	0.675	-362
60	2010	235	400	23-Aug-10	-72.8	-44.32	0.386	19.98	7.34	0.386	19.98	18.48	0	0.696	-327
60	2010	235	500	23-Aug-10	-72.8	-41.35	0.25	331.4	8.36	0.25	331.4	24.15	0	1.018	-287
60	2010	235	600	23-Aug-10	-72.8	-22.97	1.396	99.4	30.13	1.396	99.4	33.97	0	2.66	0
60	2010	235	700	23-Aug-10	-72.8	-20.89	2.327	113.1	29.32	2.327	113.1	31.67	0	0.327	-359
60	2010	235	800	23-Aug-10	-72.8	-26.12	2.118	100.4	30.7	2.118	100.4	34.69	0	0.655	-307
60	2010	235	900	23-Aug-10	-72.8	-32.86	1.386	99.6	29.7	1.386	99.6	31.04	0.254	0.67	-537
60	2010	235	1000	23-Aug-10	-72.8	-34.92	1.864	103	32.54	1.864	103	33.85	0.254	0.661	-215
60	2010	235	1100	23-Aug-10	-72.8	-32.34	1.83	100.7	31.81	1.83	100.7	34.28	0.254	0.843	-353
60	2010	235	1200	23-Aug-10	-72.8	-32.57	1.708	96.9	33.47	1.708	96.9	34.79	0.254	0.835	-283
60	2010	235	1300	23-Aug-10	-72.8	-31.42	1.865	96.4	32.96	1.865	96.4	33.7	0	0.846	-239
60	2010	235	1400	23-Aug-10	-72.8	-30.44	1.714	92.7	33.45	1.714	92.7	35.52	0	0.736	-321
60	2010	235	1500	23-Aug-10	-72.8	-29.41	1.726	94	36.75	1.726	94	37.3	0	0.74	-319
60	2010	235	1600	23-Aug-10	-72.8	-29.62	1.443	93.6	31.82	1.443	93.6	32.77	0	0.68	-282
60	2010	235	1700	23-Aug-10	-72.8	-29.6	1.564	93.3	29.78	1.564	93.3	29.9	0	0.72	-324
60	2010	235	1800	23-Aug-10	-72.8	-32.33	1.324	81.5	24.96	1.324	81.5	26.03	0.508	0.834	-247
60	2010	235	1900	23-Aug-10	-72.8	-31.78	1.441	87.4	27.82	1.441	87.4	28.05	0	0.838	-318
60	2010	235	2000	23-Aug-10	-72.8	-31.24	1.548	93.8	28.63	1.548	93.8	29.71	0	0.843	-240
60	2010	235	2100	23-Aug-10	-72.8	-29.62	1.903	96.3	27.71	1.903	96.3	28.66	0	0.841	-317
60	2010	235	2200	23-Aug-10	-72.8	-28.2	1.997	96.5	31.97	1.997	96.5	32.32	0	0.783	-279
60	2010	235	2300	23-Aug-10	-72.8	-27.27	1.853	103.9	29.76	1.853	103.9	30.45	0	0.83	-319
60	2010	235	2400	23-Aug-10	-72.8	-26.68	2.013	105.3	27.14	2.013	105.3	28.45	0	0.738	-274
60	2010	236	100	24-Aug-10	-72.8	-26.61	2.071	109.9	32.07	2.071	109.9	32.57	0	0.749	-272
60	2010	236	200	24-Aug-10	-72.8	-26.97	2.073	106.7	30.91	2.073	106.7	31.98	0	2.66	0
60	2010	236	300	24-Aug-10	-72.8	-26.19	2.267	102.3	30.68	2.267	102.3	31.11	0	0.636	-202
60	2010	236	400	24-Aug-10	-72.8	-24.93	2.042	114	34.04	2.042	114	34.54	0	0.735	-277
60	2010	236	500	24-Aug-10	-72.8	-23.23	2.153	105	31.67	2.153	105	32.58	0	2.66	0
60	2010	236	600	24-Aug-10	-72.8	-19.31	2.433	95.8	31.86	2.433	95.8	33.24	0	0.477	-232
60	2010	236	700	24-Aug-10	-72.8	-14.6	2.24	96.7	33.02	2.24	96.7	34.79	0	0.84	-317
60	2010	236	800	24-Aug-10	-72.8	-5.159	2.508	106.7	35.43	2.508	106.7	36.39	0	0.428	-244
60	2010	236	900	24-Aug-10	-72.8	0.66	2.556	110.4	35.49	2.556	110.4	36.3	0	0.745	-288
60	2010	236	1000	24-Aug-10	-72.8	-0.857	2.601	112.6	31.25	2.601	112.6	32.51	0	0.843	-355
60	2010	236	1100	24-Aug-10	-72.8	-3.489	2.666	106.1	34.58	2.666	106.1	34.82	0	0.654	-236
60	2010	236	1200	24-Aug-10	-72.8	3.366	3.117	107.7	28.47	3.117	107.7	30.01	0	0.855	-246
60	2010	236	1300	24-Aug-10	-72.8	4.596	2.989	104.8	32.01	2.989	104.8	33.53	0	2.66	0
60	2010	236	1400	24-Aug-10	-72.8	2.994	2.644	107.4	32.2	2.644	107.4	33.06	0	0.67	-238
60	2010	236	1500	24-Aug-10	-72.8	-3.542	2.372	98.7	30.29	2.372	98.7	31.32	0.254	0.853	-313
60	2010	236	1600	24-Aug-10	-72.8	-15.37	1.983	98.2	30.22	1.983	98.2	31.34	0	0.656	-287
60	2010	236	1700	24-Aug-10	-72.8	-18.38	1.74	89.1	28.46	1.74	89.1	29.2	0.508	0.667	-238
60	2010	236	1800	24-Aug-10	-72.8	-19.6	1.872	88.7	24.88	1.872	88.7	25.48	0	0.647	-199
60	2010	236	1900	24-Aug-10	-72.8	-20.67	1.289	83.5	21.51	1.289	83.5	23.09	0	0.652	-228
60	2010	236	2000	24-Aug-10	-72.8	-23.64	1.367	91.1	24.05	1.367	91.1	24.68	0	0.698	-443
60	2010	236	2100	24-Aug-10	-72.8	-23.53	1.252	89.7	25.23	1.252	89.7	26.58	0	0.77	-322
60	2010	236	2200	24-Aug-10	-72.8	-25.94	0.377	11.33	25.28	0.377	11.33	36.58	0	0.755	-281
60	2010	236	2300	24-Aug-10	-72.8	-32.16	0.404	353.9	8.76	0.404	353.9	27.96	0	0.731	-319
60	2010	236	2400	24-Aug-10	-72.8	-34.45	0.44	0.261	7.85	0.44	0.261	17.61	0	0.717	-276
60	2010	237	100	25-Aug-10	-72.8	-34.94	0.558	354.6	9.39	0.558	354.6	22.35	0	0.636	-232
60	2010	237	200	25-Aug-10	-72.8	-34.35	0.417	32.52	7.91	0.417	32.52	16.49	0	0.744	-249
60	2010	237	300	25-Aug-10	-72.8	-30.55	0.445	43.05	6.587	0.445	43.05	21.04	0	0.743	-241
60	2010	237	400	25-Aug-10	-72.8	-26.56	0.23	322.3	7.4	0.23	322.3	22.16	0.508	0.834	-283
60	2010	237	500	25-Aug-10	-72.8	-20.8	0.13	282.4	12.91	0.13	282.4	29.2	0.254	0.76	-317

Client = Pacific Booker Minerals

NOTE: HEADINGS NOT VERIFIED

Array ID	Year	Julian Day	Hour Minute	(Column added by KCB) Date	Hourly Average Air Temperature (Celsius)	Hourly Average Relative Humidity (%)	15 Minute Average Wind Speed (m/s)	15 Minute Average Wind Direction (degrees)	15 Minute Standard Deviation for Wind Direction (degrees)	Hourly Total Precipitation (mm)				
60	2010	237	600	25-Aug-10	-72.8	-16.26	0.49	214.7	20.48	0.49	214.7	37.88	0	0.843	-243
60	2010	237	700	25-Aug-10	-72.8	-13.9	0.691	95.1	22.64	0.691	95.1	32.76	0	2.66	0
60	2010	237	800	25-Aug-10	-72.8	-9.16	1.372	238.4	30.63	1.372	238.4	40.92	0	0.767	-358
60	2010	237	900	25-Aug-10	-72.8	-8.92	1.204	256	22.76	1.204	256	27.13	0	0.698	-321
60	2010	237	1000	25-Aug-10	-72.8	5.802	1.185	211.3	34.94	1.185	211.3	44.06	0	0.723	-274
60	2010	237	1100	25-Aug-10	-72.8	5.131	1.56	245.3	27.37	1.56	245.3	43.94	3.556	0.853	-241
60	2010	237	1200	25-Aug-10	-72.8	-6.811	0.89	15.79	21.25	0.89	15.79	31.6	0	0.772	-326
60	2010	237	1300	25-Aug-10	-72.8	6.802	0.937	272.4	35.45	0.937	272.4	40.83	0	0.775	-281
60	2010	237	1400	25-Aug-10	-72.8	12.12	1.025	232	34.09	1.025	232	53.68	0	0.788	-309
60	2010	237	1500	25-Aug-10	-72.8	3.698	1.291	244.7	21.82	1.291	244.7	34.8	1.27	0.761	-209
60	2010	237	1600	25-Aug-10	-72.8	-15.38	0.549	355.8	18.41	0.549	355.8	41.49	0.508	0.766	-287
60	2010	237	1700	25-Aug-10	-72.8	-21.6	0.608	94.8	20.93	0.608	94.8	40.28	0	0.671	-253
60	2010	237	1800	25-Aug-10	-72.8	-28.81	0.87	63.13	21.39	0.87	63.13	41.78	0	0.742	-274
60	2010	237	1900	25-Aug-10	-72.8	-33.61	1.062	37.02	23.61	1.062	37.02	59.67	0	0.824	-245
60	2010	237	2000	25-Aug-10	-72.8	-32.8	0.425	36.58	18.82	0.425	36.58	36.9	0	0.811	-359
60	2010	237	2100	25-Aug-10	-72.8	-30.94	0.547	39.03	11.19	0.547	39.03	22.44	0	0.782	-371
60	2010	237	2200	25-Aug-10	-72.8	-33.48	0.585	23.23	7.58	0.585	23.23	36.31	0	0.76	-362
60	2010	237	2300	25-Aug-10	-72.8	-36.07	0.403	13.96	8.29	0.403	13.96	29.91	0	0.761	-398
60	2010	237	2400	25-Aug-10	-72.8	-33.51	0.444	341.2	7.8	0.444	341.2	14.67	0	0.812	-273
60	2010	238	100	26-Aug-10	-72.8	-31.08	0.473	39.94	7.79	0.473	39.94	21.02	0	0.826	-244
60	2010	238	200	26-Aug-10	-72.8	-28.46	0.211	16.3	3.101	0.211	16.3	8.96	0	0.82	-269
60	2010	238	300	26-Aug-10	-72.8	-26.46	0.289	352	4.971	0.289	352	10.17	0	0.826	-282
60	2010	238	400	26-Aug-10	-72.8	-24.12	0.215	325	11.47	0.215	325	18.2	0	0.828	-322
60	2010	238	500	26-Aug-10	-72.8	-20.36	0.501	285	17.02	0.501	285	21.56	0	0.822	-242
60	2010	238	600	26-Aug-10	-72.8	-9.72	1.202	296.2	27.72	1.202	296.2	33.33	0	0.837	-244
60	2010	238	700	26-Aug-10	-72.8	3.819	1.413	274.8	27.71	1.413	274.8	32.97	0	0.768	-209
60	2010	238	800	26-Aug-10	-72.8	6.935	1.481	263.4	23.64	1.481	263.4	30.29	0	0.764	-242
60	2010	238	900	26-Aug-10	-72.8	8.87	1.159	203.1	32.83	1.159	203.1	44.43	0	0.234	-279
60	2010	238	1000	26-Aug-10	-72.8	7.76	1.032	164.7	30.92	1.032	164.7	40.9	0	0.775	-239
60	2010	238	1100	26-Aug-10	-72.8	2.426	1.077	10.06	25.86	1.077	10.06	55.62	0.508	0.769	-238
60	2010	238	1200	26-Aug-10	-72.8	1.317	1.214	67.42	29.19	1.214	67.42	51.58	0	0.763	-283
60	2010	238	1300	26-Aug-10	-72.8	6.99	1.159	242.9	28.56	1.159	242.9	45.49	0	0.745	-316
60	2010	238	1400	26-Aug-10	-72.8	-0.957	1.602	278.4	24.35	1.602	278.4	32.68	0.254	0.758	-319
60	2010	238	1500	26-Aug-10	-72.8	-6.778	1.496	232.6	26.66	1.496	232.6	33.87	0	0.757	-446
60	2010	238	1600	26-Aug-10	-72.8	-7.23	1.409	247.5	28.98	1.409	247.5	34.01	0	0.74	-282
60	2010	238	1700	26-Aug-10	-72.8	-21.81	0.931	289.9	24.1	0.931	289.9	26.39	0	0.746	-270
60	2010	238	1800	26-Aug-10	-72.8	-36.66	0.469	350.9	14.36	0.469	350.9	20.93	0	0.738	-522
60	2010	238	1900	26-Aug-10	-72.8	-40.75	0.523	13.37	10.93	0.523	13.37	16.82	0	0.765	-436
60	2010	238	2000	26-Aug-10	-72.8	-42.35	0.56	34.3	7.08	0.56	34.3	11.11	0	0.728	-280
60	2010	238	2100	26-Aug-10	-72.8	-42.91	0.582	27.91	7.78	0.582	27.91	13.53	0	0.756	-320
60	2010	238	2200	26-Aug-10	-72.8	-42.93	0.414	20.95	8.42	0.414	20.95	21.15	0	0.728	-270
60	2010	238	2300	26-Aug-10	-72.8	-42.74	0.297	25.56	6.151	0.297	25.56	19.69	0	0.721	-244
60	2010	238	2400	26-Aug-10	-72.8	-42.57	0.302	21.29	9.93	0.302	21.29	17.28	0	0.698	-312
60	2010	239	100	27-Aug-10	-72.8	-42.39	0.311	17.83	12.62	0.311	17.83	22.95	0	0.701	-320
60	2010	239	200	27-Aug-10	-72.8	-42.13	0.275	7.07	7.01	0.275	7.07	17.22	0	0.816	-249
60	2010	239	300	27-Aug-10	-72.8	-40.59	0.194	0.708	4.727	0.194	0.708	14.87	0	0.815	-316
60	2010	239	400	27-Aug-10	-72.8	-38.34	0.121	26.07	3.819	0.121	26.07	10.19	0	0.816	-282
60	2010	239	500	27-Aug-10	-72.8	-34.98	0.098	34.61	4.756	0.098	34.61	7.29	0	0.634	-208
60	2010	239	600	27-Aug-10	-72.8	-27.72	0.078	211.5	13.58	0.078	211.5	25.76	0	0.276	-279
60	2010	239	700	27-Aug-10	-72.8	-13.8	1.099	286.4	30.48	1.099	286.4	43.16	0	0.818	-519
60	2010	239	800	27-Aug-10	-72.8	-0.82	1.894	283.9	25.22	1.894	283.9	29.44	0	0.655	-244
60	2010	239	900	27-Aug-10	-72.8	2.689	2.016	254	24.66	2.016	254	26.11	0	0.655	-450
60	2010	239	1000	27-Aug-10	-72.8	4.944	2.178	241.1	29.43	2.178	241.1	34.1	0	2.66	0
60	2010	239	1100	27-Aug-10	-72.8	9.33	2.67	253.6	26.9	2.67	253.6	33.87	0	2.66	0
60	2010	239	1200	27-Aug-10	-72.8	7.58	3.041	259.8	24.1	3.041	259.8	25.24	0	0.657	-194
60	2010	239	1300	27-Aug-10	-72.8	12.56	2.844	248.1	26.96	2.844	248.1	29.14	0	2.66	0
60	2010	239	1400	27-Aug-10	-72.8	10.15	2.808	244.4	28.28	2.808	244.4	30.07	0	0.659	-202
60	2010	239	1500	27-Aug-10	-72.8	9.59	2.971	243	28.01	2.971	243	30.3	0	0.885	-325
60	2010	239	1600	27-Aug-10	-72.8	2.73	1.969	243.2	29.04	1.969	243.2	31.25	0	0.242	-245
60	2010	239	1700	27-Aug-10	-72.8	-8.99	1.2	260.4	27.46	1.2	260.4	30.15	0	0.636	-206
60	2010	239	1800	27-Aug-10	-72.8	-29.66	0.468	330.9	13.67	0.468	330.9	22.19	0	0.614	-176
60	2010	239	1900	27-Aug-10	-72.8	-39.67	0.343	10.88	11.82	0.343	10.88	18.7	0	0.638	-292
60	2010	239	2000	27-Aug-10	-72.8	-42.05	0.549	15.42	5.375	0.549	15.42	14.87	0	0.619	-234
60	2010	239	2100	27-Aug-10	-72.8	-42.77	0.377	9.43	13.03	0.377	9.43	23.43	0	0.835	-284
60	2010	239	2200	27-Aug-10	-72.8	-43.16	0.231	353.7	6.244	0.231	353.7	17.62	0	0.642	-212
60	2010	239	2300	27-Aug-10	-72.8	-43.32	0.305	10.97	6.258	0.305	10.97	11.52	0	0.639	-245
60	2010	239	2400	27-Aug-10	-72.8	-43.09	0.348	12.84	11.35	0.348	12.84	17.57	0	0.634	-272
60	2010	240	100	28-Aug-10	-72.8	-42.56	0.317	9.71	18.95	0.317	9.71	28.45	0	0.645	-241
60	2010	240	200	28-Aug-10	-72.8	-42.03	0.354	19.14	13.03	0.354	19.14	25.7	0	0.658	-286
60	2010	240	300	28-Aug-10	-72.8	-42.06	0.2	0.303	6.497	0.2	0.303	19.66	0	0.677	-363
60	2010	240	400	28-Aug-10	-72.8	-41.57	0.227	1.421	12.46	0.227	1.421	25.59	0	0.621	-272
60	2010	240	500	28-Aug-10	-72.8	-37.6	0.44	359.3	17.13	0.44	359.3	36.06	0	0.628	-207
60	2010	240	600	28-Aug-10	-72.8	-19.26	0.83	348.6	23.5	0.83	348.6	38.52	0	0.648	-203
60	2010	240	700	28-Aug-10	-72.8	2.729	0.927	276.8	38.68	0.927	276.8	56.26	0	0.644	-204
60	2010	240	800	28-Aug-10	-72.8	10.07	1.726	258.7	31.47	1.726	258.7	45.69	0	0.68	-243
60	2010	240	900	28-Aug-10	-72.8	15.73	1.904	226.8	30.08	1.904	226.8	38.41	0	0.665	-195
60	2010	240	1000	28-Aug-10	-72.8	20.73	1.713	228.6	31.16	1.713	228.6	37.18	0	0.653	-196
60	2010	240	1100	28-Aug-10	-72.8	23.61	1.643	230.1	29.79	1.643	230.1	34.29	0	0.691	-255
60	2010	240	1200	28-Aug-10	-72.8	22.5	1.714	274.3	29.88	1.714	274.3	44.86	0	2.66	0
60	2010	240	1300	28-Aug-10	-72.8	20.82	0.971	231.5	27.81	0.971	231.5	38.18	0	0.672	-267
60	2010	240	1400	28-Aug-10	-72.8	18.68	1.587	186.7	24.18	1.587	186.7	41.14	0	0.8	-528
60	2010	240	1500	28-Aug-10	-72.8	6.623	1.23	98.3	26.07	1.23	98.3	39.42	0	2.66	0
60	2010	240	1600	28-Aug-10	-72.8	5.164	0.875	199.8	23.47	0.875	199.8	35.83	0	0.758	-319
60	2010	240	1700	28-Aug-10	-72.8	-5.829	2.782	334.9	25.35	2.782	334.9	29.01	0	0.753	-311
60	2010	240	1800	28-Aug-10	-72.8	-18.03	1.131	283.8	22.33	1.131	283.8	38.78	0	0.748	-284
60	2010	240	1900	28-Aug-10	-72.8	-27.35	0.683	66.06	19.36	0.683	66.06	56.21	0	0.661	-321
60	2010	240	2000	28-Aug-10	-72.8	-31.15	0.625	61.11	23.28	0.625	61.11	53.38	0	0.645	-275
60	2010	240	2100	28-Aug-10	-72.8	-32.1	0.296	9.85	9.79	0.296	9.85	32.27	0	0.643	-272
60	2010	240	2200	28-Aug-10	-72.8	-31.9	0.33	45.19	8.98	0.33	45.19	26.65	0	0.657	-240
60	2010	240	2300	28-Aug-10	-72.8	-32.14	0.309	27.77	4.505	0.309	27.77	19.25	0.254	0.64	-232
60	2010	240	2400	28-Aug-10	-72.8	-31.8	0.386	26.96	15.34	0.386	26.96	27.93	0	0.205	-357
60	2010	241	100	29-Aug-10	-72.8	-32.73	0.211	25.24	5.06	0.211	25.24	11.77	0	0.641	-276

Client = Pacific Booker Minerals

NOTE: HEADINGS NOT VERIFIED

Array ID	Year	Julian Day	Hour Minute	(Column added by KCB) Date	Hourly Average Air Temperature (Celsius)	Hourly Average Relative Humidity (%)	15 Minute Average Wind Speed (m/s)	15 Minute Average Wind Direction (degrees)	15 Minute Standard Deviation for Wind Direction (degrees)	Hourly Total Precipitation (mm)					
60	2010	241	200	29-Aug-10	-72.8	-37.13	0.277	14.38	6.678	0.277	14.38	17.92	0	0.83	-433
60	2010	241	300	29-Aug-10	-72.8	-40.75	0.196	6.283	9.29	0.196	6.283	12.66	0	0.635	-236
60	2010	241	400	29-Aug-10	-72.8	-39.78	0.466	14.19	10.32	0.466	14.19	17.5	0	0.62	-235
60	2010	241	500	29-Aug-10	-72.8	-31.79	0.431	30.35	7.25	0.431	30.35	18.16	0	0.64	-255
60	2010	241	600	29-Aug-10	-72.8	-11.06	0.128	34.13	18.25	0.128	34.13	34.97	0	0.633	-206
60	2010	241	700	29-Aug-10	-72.8	4.36	1.005	183	33.4	1.005	183	45.8	0	0.661	-234
60	2010	241	800	29-Aug-10	-72.8	6.318	0.66	29.28	22.73	0.66	29.28	46.71	0	0.65	-200
60	2010	241	900	29-Aug-10	-72.8	5.459	0.736	336	24.56	0.736	336	35.86	0	0.652	-181
60	2010	241	1000	29-Aug-10	-72.8	14.23	1.851	15.45	27.87	1.851	15.45	34.95	0	0.658	-199
60	2010	241	1100	29-Aug-10	-72.8	7.68	1.901	39.72	31.71	1.901	39.72	54.56	0	0.677	-245
60	2010	241	1200	29-Aug-10	-72.8	1.599	1.102	108	30.46	1.102	108	37.08	0	0.744	-316
60	2010	241	1300	29-Aug-10	-72.8	-7.33	0.762	49.42	22.26	0.762	49.42	61.79	0	0.644	-199
60	2010	241	1400	29-Aug-10	-72.8	-0.659	0.442	183.2	17.22	0.442	183.2	46.08	0	0.654	-196
60	2010	241	1500	29-Aug-10	-72.8	6.208	1.264	241.1	28.65	1.264	241.1	36.25	0	0.8	-282
60	2010	241	1600	29-Aug-10	-72.8	0.714	1.142	262.1	17.79	1.142	262.1	22.42	0	0.76	-277
60	2010	241	1700	29-Aug-10	-72.8	-12.57	0.339	337.5	8.49	0.339	337.5	23.15	0.254	0.659	-341
60	2010	241	1800	29-Aug-10	-72.8	-28.26	0.418	4.27	12.71	0.418	4.27	29.15	0	0.789	-326
60	2010	241	1900	29-Aug-10	-72.8	-36.67	0.396	359	11.16	0.396	359	22.83	0	0.795	-288
60	2010	241	2000	29-Aug-10	-72.8	-39	0.181	346.8	5.122	0.181	346.8	11.22	0	0.808	-287
60	2010	241	2100	29-Aug-10	-72.8	-40.11	0.265	353.7	5.906	0.265	353.7	13.19	0	0.653	-239
60	2010	241	2200	29-Aug-10	-72.8	-41.51	0.359	12.75	8.13	0.359	12.75	23.87	0	0.642	-210
60	2010	241	2300	29-Aug-10	-72.8	-42.34	0.373	354.3	6.131	0.373	354.3	20.06	0	0.764	-320
60	2010	241	2400	29-Aug-10	-72.8	-42.48	0.37	349.7	6.655	0.37	349.7	17.87	0	0.757	-250
60	2010	242	100	30-Aug-10	-72.8	-42.41	0.388	14.4	7.96	0.388	14.4	28.11	0	0.675	-315
60	2010	242	200	30-Aug-10	-72.8	-42.41	0.257	4.46	8.69	0.257	4.46	15.82	0	0.846	-320
60	2010	242	300	30-Aug-10	-72.8	-42.12	0.25	358.8	7.54	0.25	358.8	13.53	0	0.645	-279
60	2010	242	400	30-Aug-10	-72.8	-40.1	0.37	19.73	4.511	0.37	19.73	8.15	0	0.671	-308
60	2010	242	500	30-Aug-10	-72.8	-35.78	0.002	55.14	0.063	0.002	55.14	0.063	0	0.659	-243
60	2010	242	600	30-Aug-10	-72.8	-20.09	0.246	294.2	16.4	0.246	294.2	31.76	0	2.66	0
60	2010	242	700	30-Aug-10	-72.8	1.97	0.665	170.5	31.76	0.665	170.5	53.09	0	0.65	-207
60	2010	242	800	30-Aug-10	-72.8	10.35	1.056	143.7	32.02	1.056	143.7	47.81	0	2.66	0
60	2010	242	900	30-Aug-10	-72.8	14.07	1.524	127.6	28.52	1.524	127.6	41.14	0	0.662	-195
60	2010	242	1000	30-Aug-10	-72.8	15.57	1.691	90.7	35.06	1.691	90.7	38.29	0	0.648	-175
60	2010	242	1100	30-Aug-10	-72.8	3.882	1.334	103	29.15	1.334	103	33.2	0.254	0.864	-247
60	2010	242	1200	30-Aug-10	-72.8	10.83	1.163	85.2	31.42	1.163	85.2	41.43	0	0.661	-203
60	2010	242	1300	30-Aug-10	-72.8	13.1	1.463	247.6	24.27	1.463	247.6	28.22	0	0.85	-292
60	2010	242	1400	30-Aug-10	-72.8	5.599	1.554	255.8	23.84	1.554	255.8	28.51	0	0.654	-196
60	2010	242	1500	30-Aug-10	-72.8	5.342	1.318	116.4	28.72	1.318	116.4	36.41	0	0.772	-245
60	2010	242	1600	30-Aug-10	-72.8	0.052	1.207	136.5	24.08	1.207	136.5	36.22	0	0.798	-530
60	2010	242	1700	30-Aug-10	-72.8	-6.867	1.365	92.9	25.9	1.365	92.9	27.24	0	0.753	-272
60	2010	242	1800	30-Aug-10	-72.8	-21.31	1.407	66.82	20.48	1.407	66.82	34.34	1.27	0.655	-249
60	2010	242	1900	30-Aug-10	-72.8	-25.38	0.289	23.64	14.7	0.289	23.64	42.51	0	0.64	-207
60	2010	242	2000	30-Aug-10	-72.8	-26.37	0.165	16.29	3.189	0.165	16.29	5.119	0	0.814	-245
60	2010	242	2100	30-Aug-10	-72.8	-27.38	0.27	13.68	4.59	0.27	13.68	15.86	0	0.633	-202
60	2010	242	2200	30-Aug-10	-72.8	-26.83	0.812	95.8	13.48	0.812	95.8	15.95	0.254	0.629	-197
60	2010	242	2300	30-Aug-10	-72.8	-25.67	0.68	89.1	15.57	0.68	89.1	21.91	0	0.85	-324
60	2010	242	2400	30-Aug-10	-72.8	-26.45	0.489	25.35	19.82	0.489	25.35	41.73	0	0.645	-304
60	2010	243	100	31-Aug-10	-72.8	-27.31	0.706	72.3	13.75	0.706	72.3	20.2	0	0.662	-243
60	2010	243	200	31-Aug-10	-72.8	-25.99	0.271	79.7	14.91	0.271	79.7	16.6	2.286	0.835	-244
60	2010	243	300	31-Aug-10	-72.8	-25.2	1.185	101.1	24.99	1.185	101.1	26.22	2.54	0.823	-239
60	2010	243	400	31-Aug-10	-72.8	-24.94	0.59	89.4	21.65	0.59	89.4	25.96	0	0.657	-209
60	2010	243	500	31-Aug-10	-72.8	-23.18	0.246	99.8	23.59	0.246	99.8	38.28	0.254	0.65	-204
60	2010	243	600	31-Aug-10	-72.8	-18.07	1.752	109.4	30.2	1.752	109.4	31.81	0	0.749	-316
60	2010	243	700	31-Aug-10	-72.8	-8.37	2.126	100.5	32.15	2.126	100.5	33.46	0	0.855	-239
60	2010	243	800	31-Aug-10	-72.8	2.773	1.963	91.8	34.02	1.963	91.8	35.56	0	0.838	-281
60	2010	243	900	31-Aug-10	-72.8	6.97	2.19	92	30.15	2.19	92	30.38	0	0.658	-175
60	2010	243	1000	31-Aug-10	-72.8	4.126	2.061	114.1	25.81	2.061	114.1	44.24	2.286	0.767	-241
60	2010	243	1100	31-Aug-10	-72.8	-4.151	0.691	74.4	26.92	0.691	74.4	65.42	0	0.651	-194
60	2010	243	1200	31-Aug-10	-72.8	1.456	1.423	126.5	27.14	1.423	126.5	35.24	0.508	0.672	-441
60	2010	243	1300	31-Aug-10	-72.8	-9.33	1.118	193.3	22.46	1.118	193.3	29.9	0	0.652	-201
60	2010	243	1400	31-Aug-10	-72.8	-11.48	2.3	275.6	23.63	2.3	275.6	29.72	0	0.663	-281
60	2010	243	1500	31-Aug-10	-72.8	-17.49	0.513	344.7	20.1	0.513	344.7	32.97	1.016	0.688	-291
60	2010	243	1600	31-Aug-10	-72.8	-20.4	0.217	130	11.28	0.217	130	22.62	0	0.651	-247
60	2010	243	1700	31-Aug-10	-72.8	-21.95	0.906	59.17	11.73	0.906	59.17	20.47	0	0.652	-215
60	2010	243	1800	31-Aug-10	-72.8	-24.46	0.605	59.85	17.44	0.605	59.85	28.71	0	0.648	-255
60	2010	243	1900	31-Aug-10	-72.8	-26.11	0.415	50.77	12.44	0.415	50.77	37.29	0	0.654	-250
60	2010	243	2000	31-Aug-10	-72.8	-25.9	0.376	56.93	7.7	0.376	56.93	17.53	0	0.641	-207
60	2010	243	2100	31-Aug-10	-72.8	-24.8	0.395	57.78	12.68	0.395	57.78	45.24	0	0.652	-247
60	2010	243	2200	31-Aug-10	-72.8	-24.8	0.348	51.09	17.7	0.348	51.09	37.36	0	0.649	-280
60	2010	243	2300	31-Aug-10	-72.8	-28.75	0.424	33.9	13.13	0.424	33.9	30.38	0	0.646	-241
60	2010	243	2400	31-Aug-10	-72.8	-34.68	0.416	28.14	10.95	0.416	28.14	28.36	0	0.643	-450
60	2010	244	100	01-Sep-10	-72.8	-37.43	0.328	39.02	6.94	0.328	39.02	25.09	0	0.628	-239
60	2010	244	200	01-Sep-10	-72.8	-34.75	0.164	20.42	2.537	0.164	20.42	13.63	0	0.626	-204
60	2010	244	300	01-Sep-10	-72.8	-30.91	0.248	37.19	5.175	0.248	37.19	35.67	0	0.621	-203
60	2010	244	400	01-Sep-10	-72.8	-30.29	0.104	18.27	3.558	0.104	18.27	6.98	0	0.627	-201
60	2010	244	500	01-Sep-10	-72.8	-25.32	0.206	208.5	16.46	0.206	208.5	49.79	0	0.652	-236
60	2010	244	600	01-Sep-10	-72.8	-19.01	0.393	189.6	21.27	0.393	189.6	31.26	0	0.657	-213
60	2010	244	700	01-Sep-10	-72.8	-8.84	0.469	125	26.12	0.469	125	46.53	0	0.64	-196
60	2010	244	800	01-Sep-10	-72.8	4.675	0.616	186.2	37.11	0.616	186.2	63.47	0	0.785	-278
60	2010	244	900	01-Sep-10	-72.8	6.362	0.635	196.2	30.43	0.635	196.2	47.66	0	0.652	-220
60	2010	244	1000	01-Sep-10	-72.8	3.239	1.351	2.54	28.05	1.351	2.54	38.92	1.524	0.836	-329
60	2010	244	1100	01-Sep-10	-72.8	4.122	0.966	56.67	27.82	0.966	56.67	56.25	0	0.269	-211
60	2010	244	1200	01-Sep-10	-72.8	11.06	0.609	104.3	26.87	0.609	104.3	43.79	0	0.662	-206
60	2010	244	1300	01-Sep-10	-72.8	11.95	1.124	107.8	27.39	1.124	107.8	34.62	0	0.67	-239
60	2010	244	1400	01-Sep-10	-72.8	10.74	1.239	89.8	25.81	1.239	89.8	27.55	0	0.654	-197
60	2010	244	1500	01-Sep-10	-72.8	8.75	1.1	91.9	24.6	1.1	91.9	25.36	0	0.642	-210
60	2010	244	1600	01-Sep-10	-72.8	2.907	0.539	83	19.4	0.539	83	24.95	0	0.635	-202
60	2010	244	1700	01-Sep-10	-72.8	-7.62	0.463	35.69	10.66	0.463	35.69	15.01	0	0.651	-212
60	2010	244	1800	01-Sep-10	-72.8	-14.35	0.432	50.52	9.22	0.432	50.52	18.78	0	0.657	-244
60	2010	244	1900	01-Sep-10	-72.8	-17.61	0.957	32.63	26.57	0.957	32.63	62.88	0.508	0.655	-244
60	2010	244	2000	01-Sep-10	-72.8	-18.88	1.179	78.7	20.42	1.179	78.7	30.48	0.508	0.665	-247
60	2010	244	2100	01-Sep-10	-72.8	-20.53	0.713	59.54	15.06	0.713	59.54	18.03	1.016	0.849	-271

Client = Pacific Booker Minerals

NOTE: HEADINGS NOT VERIFIED

Array ID	Year	Julian Day	Hour Minute	(Column added by KCB) Date	Hourly Average Air Temperature (Celsius)	Hourly Average Relative Humidity (%)	15 Minute Average Wind Speed (m/s)	15 Minute Average Wind Direction (degrees)	15 Minute Standard Deviation for Wind Direction (degrees)	Hourly Total Precipitation (mm)					
60	2010	244	2200	01-Sep-10	-72.8	-22.27	0.387	57.83	11.44	0.387	57.83	15.55	0.254	0.84	-242
60	2010	244	2300	01-Sep-10	-72.8	-23.43	0.173	13.11	11.93	0.173	13.11	35.27	0.254	0.654	-278
60	2010	244	2400	01-Sep-10	-72.8	-0.774	0.403	72	18.55	0.403	72	23.55	0	0.85	-275
60	2010	245	100	02-Sep-10	-72.8	-4.998	0.278	49.93	12.63	0.278	49.93	31.54	0	0.865	-281
60	2010	245	200	02-Sep-10	-72.8	-7.57	0.305	102.8	25.68	0.305	102.8	45.81	0	0.643	-199
60	2010	245	300	02-Sep-10	-72.8	-12.06	0.814	108	32.95	0.814	108	47.34	0.254	0.651	-238
60	2010	245	400	02-Sep-10	-72.8	-17.07	1.359	109.6	30.58	1.359	109.6	32	0	0.863	-242
60	2010	245	500	02-Sep-10	-72.8	-16.52	1.995	105.2	29.34	1.995	105.2	30.56	0	0.663	-206
60	2010	245	600	02-Sep-10	-72.8	-10	2.294	95.2	30.41	2.294	95.2	31.37	0.254	0.648	-196
60	2010	245	700	02-Sep-10	-72.8	0.124	2.113	93.6	34.96	2.113	93.6	36.33	0	0.653	-197
60	2010	245	800	02-Sep-10	-72.8	9.71	2.256	102.5	37.88	2.256	102.5	38.7	0	0.65	-196
60	2010	245	900	02-Sep-10	-72.8	8.31	2.82	104.9	32.92	2.82	104.9	33.52	0	0.655	-178
60	2010	245	1000	02-Sep-10	-72.8	10.69	2.639	94.2	32.51	2.639	94.2	34.56	0	0.665	-200
60	2010	245	1100	02-Sep-10	-72.8	11.45	2.326	99.9	31.07	2.326	99.9	32.2	0	0.659	-200
60	2010	245	1200	02-Sep-10	-72.8	12.94	3.035	123	30.7	3.035	123	32.21	0	0.672	-203
60	2010	245	1300	02-Sep-10	-72.8	15.48	2.975	128.3	36.21	2.975	128.3	37.69	0	0.679	-200
60	2010	245	1400	02-Sep-10	-72.8	17.13	2.763	132.6	30.76	2.763	132.6	32.51	0	0.677	-199
60	2010	245	1500	02-Sep-10	-72.8	18.19	2.47	141.1	30.34	2.47	141.1	31.18	0	0.673	-229
60	2010	245	1600	02-Sep-10	-72.8	17.92	1.598	113.4	27.03	1.598	113.4	28.22	0	0.65	-200
60	2010	245	1700	02-Sep-10	-72.8	13.96	1.709	92	23.51	1.709	92	24.2	0	0.657	-202
60	2010	245	1800	02-Sep-10	-72.8	7.59	1.445	93.7	21.06	1.445	93.7	21.85	0	0.659	-200
60	2010	245	1900	02-Sep-10	-72.8	3.132	1.031	103.4	27.96	1.031	103.4	40.47	0	0.685	-308
60	2010	245	2000	02-Sep-10	-72.8	2.485	0.812	90	34.97	0.812	90	63.33	0	0.665	-414
60	2010	245	2100	02-Sep-10	-72.8	-13.86	0.531	345.8	28.26	0.531	345.8	48.83	0	0.657	-379
60	2010	245	2200	02-Sep-10	-72.8	-25.29	0.445	340.1	31.19	0.445	340.1	43.58	0	0.67	-282
60	2010	245	2300	02-Sep-10	-72.8	-30.17	0.344	346.4	20.38	0.344	346.4	28.83	0	0.623	-210
60	2010	245	2400	02-Sep-10	-72.8	-31.77	0.437	345.9	26.94	0.437	345.9	48.82	0	0.624	-199
60	2010	246	100	03-Sep-10	-72.8	-28.92	0.876	63.22	31.44	0.876	63.22	42.51	0	0.646	-212
60	2010	246	200	03-Sep-10	-72.8	-20.66	1.734	102.4	25.76	1.734	102.4	26.89	0	0.644	-198
60	2010	246	300	03-Sep-10	-72.8	-12.53	1.826	90.9	25.3	1.826	90.9	25.91	0	0.651	-203
60	2010	246	400	03-Sep-10	-72.8	-11.39	1.33	101.7	28.92	1.33	101.7	30.92	0	0.659	-234
60	2010	246	500	03-Sep-10	-72.8	-7.12	1.413	114.8	28.85	1.413	114.8	29.51	0	0.637	-199
60	2010	246	600	03-Sep-10	-72.8	-2.433	1.963	105	30.26	1.963	105	31.49	0	0.649	-230
60	2010	246	700	03-Sep-10	-72.8	-0.265	1.922	101	29.91	1.922	101	34.49	0	0.661	-208
60	2010	246	800	03-Sep-10	-72.8	1.137	2.021	102.5	33.69	2.021	102.5	43.57	0.508	0.845	-281
60	2010	246	900	03-Sep-10	-72.8	-11.86	0.953	71.8	18.58	0.953	71.8	47.75	0	0.835	-326
60	2010	246	1000	03-Sep-10	-72.8	-13.58	0.794	140.6	25.52	0.794	140.6	30.72	0	0.65	-254
60	2010	246	1100	03-Sep-10	-72.8	-3.411	1.144	139.9	29.35	1.144	139.9	40.31	0	0.647	-199
60	2010	246	1200	03-Sep-10	-72.8	6.424	2.041	233.1	28.66	2.041	233.1	33.59	0	0.648	-209
60	2010	246	1300	03-Sep-10	-72.8	7.71	1.267	293.8	37.38	1.267	293.8	53.21	0	0.654	-205
60	2010	246	1400	03-Sep-10	-72.8	13.43	1.819	174.9	32.57	1.819	174.9	43.94	0	0.653	-231
60	2010	246	1500	03-Sep-10	-72.8	6.471	2.691	260	26.39	2.691	260	33.31	0.508	0.915	-241
60	2010	246	1600	03-Sep-10	-72.8	-10.72	1.013	279.7	25.83	1.013	279.7	37.7	0	0.902	-279
60	2010	246	1700	03-Sep-10	-72.8	-25.09	0.566	24.73	11.4	0.566	24.73	29.14	0	0.614	-174
60	2010	246	1800	03-Sep-10	-72.8	-28.98	0.458	32.63	15.27	0.458	32.63	29.69	0	0.642	-211
60	2010	246	1900	03-Sep-10	-72.8	-28.01	0.522	339.5	12.36	0.522	339.5	16.56	0	0.742	-278
60	2010	246	2000	03-Sep-10	-72.8	-30.66	0.698	21.57	13.44	0.698	21.57	35.53	0	0.881	-278
60	2010	246	2100	03-Sep-10	-72.8	-35.32	0.477	8.62	11.51	0.477	8.62	26.64	0	0.624	-210
60	2010	246	2200	03-Sep-10	-72.8	-38.49	0.583	41.67	8.84	0.583	41.67	20.61	0	0.606	-200
60	2010	246	2300	03-Sep-10	-72.8	-40.2	0.581	34.35	16.44	0.581	34.35	46.54	0	0.613	-203
60	2010	246	2400	03-Sep-10	-72.8	-39.68	0.513	40.99	8.5	0.513	40.99	22.19	0	0.614	-207
60	2010	247	100	04-Sep-10	-72.8	-40.02	0.607	24.19	21.26	0.607	24.19	46.29	0	0.613	-203
60	2010	247	200	04-Sep-10	-72.8	-38.71	0.566	26.03	13.14	0.566	26.03	33.1	0	0.617	-208
60	2010	247	300	04-Sep-10	-72.8	-37.22	0.626	35.04	19.61	0.626	35.04	29.93	0	0.619	-207
60	2010	247	400	04-Sep-10	-72.8	-34.94	0.326	29.48	13.43	0.326	29.48	31.72	0	0.637	-236
60	2010	247	500	04-Sep-10	-72.8	-30.31	0.222	149.6	23.35	0.222	149.6	48	0	0.655	-282
60	2010	247	600	04-Sep-10	-72.8	-25.92	0.738	285.3	18.34	0.738	285.3	21.93	0.254	0.898	-241
60	2010	247	700	04-Sep-10	-72.8	-21.63	0.648	289.8	25.63	0.648	289.8	37.39	0	0.627	-197
60	2010	247	800	04-Sep-10	-72.8	-14.66	0.94	284	21.38	0.94	284	27.15	0	0.637	-199
60	2010	247	900	04-Sep-10	-72.8	-17.25	1.224	278.6	27.63	1.224	278.6	50.39	0.508	0.661	-276
60	2010	247	1000	04-Sep-10	-72.8	-20.52	0.235	334	16.61	0.235	334	38.73	0.254	0.654	-203
60	2010	247	1100	04-Sep-10	-72.8	-8.65	0.808	223.6	30.4	0.808	223.6	45.95	0	0.641	-199
60	2010	247	1200	04-Sep-10	-72.8	2.888	1.866	259.9	31.54	1.866	259.9	35.57	0	0.642	-208
60	2010	247	1300	04-Sep-10	-72.8	10.85	2.877	241.6	28.54	2.877	241.6	30.97	0	0.65	-199
60	2010	247	1400	04-Sep-10	-72.8	11.44	2.841	246.4	30.43	2.841	246.4	31.28	0	0.847	-483
60	2010	247	1500	04-Sep-10	-72.8	8.92	3.049	250.6	25.57	3.049	250.6	26.8	0	0.637	-177
60	2010	247	1600	04-Sep-10	-72.8	4.023	2.077	253.9	25.3	2.077	253.9	26.91	0	0.661	-239
60	2010	247	1700	04-Sep-10	-72.8	-4.632	1.539	270.7	24.83	1.539	270.7	28.47	0	0.67	-352
60	2010	247	1800	04-Sep-10	-72.8	-8.8	1.469	257.3	29.21	1.469	257.3	32.19	0	0.657	-357
60	2010	247	1900	04-Sep-10	-72.8	-12.77	0.962	274.3	23.45	0.962	274.3	26.06	0	0.809	-250
60	2010	247	2000	04-Sep-10	-72.8	-22.1	0.396	0.854	8.88	0.396	0.854	16.09	0	0.791	-276
60	2010	247	2100	04-Sep-10	-72.8	-30.54	1.114	314.8	16.79	1.114	314.8	19.57	0	0.679	-286
60	2010	247	2200	04-Sep-10	-72.8	-31.16	1.582	286	14.96	1.582	286	15.65	0	0.795	-283
60	2010	247	2300	04-Sep-10	-72.8	-32.9	1.385	293.4	13.7	1.385	293.4	16.02	0	0.635	-435
60	2010	247	2400	04-Sep-10	-72.8	-34.1	0.892	341.4	13.57	0.892	341.4	30.85	0	0.667	-323
60	2010	248	100	05-Sep-10	-72.8	-37.12	0.482	337.4	12.44	0.482	337.4	25.67	0	0.638	-312
60	2010	248	200	05-Sep-10	-72.8	-39.77	0.513	359.7	13.34	0.513	359.7	32.44	0	0.746	-286
60	2010	248	300	05-Sep-10	-72.8	-41.33	0.705	40.05	12.29	0.705	40.05	17.48	0	0.868	-276
60	2010	248	400	05-Sep-10	-72.8	-41.2	0.544	9.97	20.52	0.544	9.97	31.32	0	0.744	-283
60	2010	248	500	05-Sep-10	-72.8	-37.81	0.196	8.07	6.024	0.196	8.07	25.56	0	0.64	-228
60	2010	248	600	05-Sep-10	-72.8	-17.08	0.716	358.9	22.76	0.716	358.9	30.22	0	0.649	-202
60	2010	248	700	05-Sep-10	-72.8	1.065	1.614	258.8	28.25	1.614	258.8	32.82	0	0.649	-196
60	2010	248	800	05-Sep-10	-72.8	8.97	1.72	248.6	33.78	1.72	248.6	45.55	0	0.67	-283
60	2010	248	900	05-Sep-10	-72.8	13.19	1.281	252.4	37.19	1.281	252.4	48.25	0	0.656	-194
60	2010	248	1000	05-Sep-10	-72.8	15.62	1.662	263.8	30.44	1.662	263.8	39.45	0	0.647	-177
60	2010	248	1100	05-Sep-10	-72.8	16.62	0.762	192.7	33.15	0.762	192.7	65.62	0	0.657	-340
60	2010	248	1200	05-Sep-10	-72.8	14.7	0.852	218.4	27.48	0.852	218.4	44.22	0	0.672	-269
60	2010	248	1300	05-Sep-10	-72.8	16.75	1.488	182.8	33.18	1.488	182.8	43.3	0	0.653	-199
60	2010	248	1400	05-Sep-10	-72.8	17.21	1.702	166.8	28.07	1.702	166.8	31.13	0	0.644	-175
60	2010	248	1500	05-Sep-10	-72.8	12.21	1.193	226.2	33.02	1.193	226.2	37.09	0	0.659	-262
60	2010	248	1600	05-Sep-10	-72.8	5.166	1.209	258.7	21.12	1.209	258.7	23.08	0	0.648	-201
60	2010	248	1700	05-Sep-10	-72.8	-1.273	0.999	287.4	19.4	0.999	287.4	21.59	0	0.635	-207

Client = Pacific Booker Minerals

NOTE: HEADINGS NOT VERIFIED

Array ID	Year	Julian Day	Hour Minute	(Column added by KCB) Date	Hourly Average Air Temperature (Celsius)	Hourly Average Relative Humidity (%)	15 Minute Average Wind Speed (m/s)	15 Minute Average Wind Direction (degrees)	15 Minute Standard Deviation for Wind Direction (degrees)	Hourly Total Precipitation (mm)					
60	2010	248	1800	05-Sep-10	-72.8	-12.98	0.344	47.97	19.46	0.344	47.97	38.92	0.254	0.661	-419
60	2010	248	1900	05-Sep-10	-72.8	-21.97	0.357	72.8	22.03	0.357	72.8	38.61	0.762	0.877	-370
60	2010	248	2000	05-Sep-10	-72.8	-23.61	0.218	41.09	6.875	0.218	41.09	33.59	0.762	0.874	-282
60	2010	248	2100	05-Sep-10	-72.8	-24.49	0.138	44.79	3.99	0.138	44.79	7.23	0.254	0.649	-207
60	2010	248	2200	05-Sep-10	-72.8	-25.33	0.07	76.2	2.15	0.07	76.2	3.838	0.254	0.642	-207
60	2010	248	2300	05-Sep-10	-72.8	-25.73	0.163	49.46	7.11	0.163	49.46	15.65	0.254	0.654	-270
60	2010	248	2400	05-Sep-10	-72.8	-26.59	0.205	51.65	4.379	0.205	51.65	7.64	0.254	0.862	-361
60	2010	249	100	06-Sep-10	-72.8	-27.08	0.361	76.8	13.56	0.361	76.8	16.65	0.508	0.626	-201
60	2010	249	200	06-Sep-10	-72.8	-28.04	0.622	99.4	16.69	0.622	99.4	18.61	0.254	0.867	-317
60	2010	249	300	06-Sep-10	-72.8	-27.89	0.204	72.5	8.73	0.204	72.5	14.13	0	0.883	-323
60	2010	249	400	06-Sep-10	-72.8	-27.43	0.034	345.9	1.932	0.034	345.9	2.136	0.254	0.657	-242
60	2010	249	500	06-Sep-10	-72.8	-26.88	0.028	70.3	2.801	0.028	70.3	4.167	0	0.646	-212
60	2010	249	600	06-Sep-10	-72.8	-24.96	0.144	199.1	11.36	0.144	199.1	20.32	0.254	0.896	-278
60	2010	249	700	06-Sep-10	-72.8	-23.11	0.289	197.6	17.49	0.289	197.6	30.18	0.762	0.638	-197
60	2010	249	800	06-Sep-10	-72.8	-21.33	0.531	211.1	21.31	0.531	211.1	39.68	0.254	0.894	-290
60	2010	249	900	06-Sep-10	-72.8	-19.09	0.23	159.5	16.74	0.23	159.5	33.21	0.254	0.897	-245
60	2010	249	1000	06-Sep-10	-72.8	-14.24	0.396	189.4	28.78	0.396	189.4	50.23	0.254	0.904	-523
60	2010	249	1100	06-Sep-10	-72.8	-12.05	0.575	221.5	19.48	0.575	221.5	29.76	0	0.637	-204
60	2010	249	1200	06-Sep-10	-72.8	-12.67	0.73	136	20.7	0.73	136	38.97	0.508	0.852	-360
60	2010	249	1300	06-Sep-10	-72.8	-6.964	0.521	152.7	21.95	0.521	152.7	50.41	0	0.868	-322
60	2010	249	1400	06-Sep-10	-72.8	-6.229	0.503	111.4	16.25	0.503	111.4	26.68	0	0.645	-204
60	2010	249	1500	06-Sep-10	-72.8	-12.78	0.14	352.7	4.865	0.14	352.7	13.75	0	0.634	-204
60	2010	249	1600	06-Sep-10	-72.8	-14.53	0.145	279.7	6.409	0.145	279.7	16.53	0	0.639	-199
60	2010	249	1700	06-Sep-10	-72.8	-18.76	0.08	13.82	1.371	0.08	13.82	3.678	0	0.625	-202
60	2010	249	1800	06-Sep-10	-72.8	-22.06	0.139	11.8	7.99	0.139	11.8	34.45	0	0.619	-198
60	2010	249	1900	06-Sep-10	-72.8	-28.09	0.291	0.537	16.91	0.291	0.537	36.91	0	0.622	-201
60	2010	249	2000	06-Sep-10	-72.8	-32.1	0.324	19.55	8.91	0.324	19.55	28.91	0	0.636	-238
60	2010	249	2100	06-Sep-10	-72.8	-33.16	0.224	10.84	6.786	0.224	10.84	10.57	0	0.629	-329
60	2010	249	2200	06-Sep-10	-72.8	-33.08	0.272	28.13	9.72	0.272	28.13	23.42	0	0.632	-412
60	2010	249	2300	06-Sep-10	-72.8	-30.71	0.47	51.43	17.73	0.47	51.43	37.91	0	0.753	-528
60	2010	249	2400	06-Sep-10	-72.8	-28.23	0.294	18.66	14.52	0.294	18.66	28.64	0	0.832	-283
60	2010	250	100	07-Sep-10	-72.8	-26.94	0.145	5.084	11.16	0.145	5.084	21	0	0.647	-357
60	2010	250	200	07-Sep-10	-72.8	-27.25	0.594	333.6	15.93	0.594	333.6	26.01	0	0.64	-282
60	2010	250	300	07-Sep-10	-72.8	-27.83	0.286	24.74	7.62	0.286	24.74	18.78	0	0.632	-240
60	2010	250	400	07-Sep-10	-72.8	-32.4	0.34	33	7.9	0.34	33	22.69	0	0.613	-201
60	2010	250	500	07-Sep-10	-72.8	-31.36	0.553	337.3	11.97	0.553	337.3	30.81	0	0.65	-212
60	2010	250	600	07-Sep-10	-72.8	-22.4	0.701	287.9	17.13	0.701	287.9	32.36	0	0.642	-199
60	2010	250	700	07-Sep-10	-72.8	-12.04	0.401	190	29.83	0.401	190	49.37	0	0.64	-200
60	2010	250	800	07-Sep-10	-72.8	4.864	1.063	220.6	29.95	1.063	220.6	41.89	0	0.646	-210
60	2010	250	900	07-Sep-10	-72.8	9.04	1.582	301.9	34.06	1.582	301.9	38.34	0	0.661	-208
60	2010	250	1000	07-Sep-10	-72.8	12.87	1.413	294.6	44.69	1.413	294.6	53.43	0	0.646	-195
60	2010	250	1100	07-Sep-10	-72.8	13.57	1.624	285.6	29.58	1.624	285.6	52.95	0	0.657	-198
60	2010	250	1200	07-Sep-10	-72.8	14.98	1.312	263.2	26.21	1.312	263.2	49.45	0	0.655	-196
60	2010	250	1300	07-Sep-10	-72.8	16.34	1.583	247.8	30.37	1.583	247.8	62.92	0	0.731	-284
60	2010	250	1400	07-Sep-10	-72.8	17.2	1.488	300.6	33.16	1.488	300.6	58.94	0	0.66	-197
60	2010	250	1500	07-Sep-10	-72.8	16.49	0.735	292.2	18.65	0.735	292.2	25.25	0	0.654	-175
60	2010	250	1600	07-Sep-10	-72.8	9.93	0.686	42.09	14.53	0.686	42.09	32.83	0	0.651	-237
60	2010	250	1700	07-Sep-10	-72.8	-7.96	0.433	9.44	6.424	0.433	9.44	24.18	0	0.652	-270
60	2010	250	1800	07-Sep-10	-72.8	-16.31	0.439	25.3	6.739	0.439	25.3	20.22	0	0.627	-199
60	2010	250	1900	07-Sep-10	-72.8	-18.25	0.151	32.11	4.063	0.151	32.11	12.98	0	0.625	-178
60	2010	250	2000	07-Sep-10	-72.8	-19.06	0.253	34.65	9.12	0.253	34.65	19.01	0	0.628	-199
60	2010	250	2100	07-Sep-10	-72.8	-19.64	0.324	22.01	7.61	0.324	22.01	34.19	0	0.634	-206
60	2010	250	2200	07-Sep-10	-72.8	-22.34	0.382	26.05	5.558	0.382	26.05	10.62	0	0.759	-313
60	2010	250	2300	07-Sep-10	-72.8	-27.61	0.402	20.44	7.4	0.402	20.44	22.52	0	0.739	-288
60	2010	250	2400	07-Sep-10	-72.8	-32.57	0.239	12.87	7.9	0.239	12.87	24.49	0	0.745	-274
60	2010	251	100	08-Sep-10	-72.8	-34.92	0.316	17.72	5.423	0.316	17.72	16.45	0	0.629	-372
60	2010	251	200	08-Sep-10	-72.8	-33.96	0.242	357.8	9.15	0.242	357.8	15.7	0	0.628	-241
60	2010	251	300	08-Sep-10	-72.8	-30.79	0.342	346.4	9.96	0.342	346.4	17.07	0	0.626	-244
60	2010	251	400	08-Sep-10	-72.8	-28.78	0.4	21.16	8.99	0.4	21.16	20.16	0	0.749	-350
60	2010	251	500	08-Sep-10	-72.8	-26.57	0.278	29.56	11.4	0.278	29.56	41.59	0	0.622	-198
60	2010	251	600	08-Sep-10	-72.8	-8.3	0.299	344.9	15.05	0.299	344.9	30.57	0	0.645	-200
60	2010	251	700	08-Sep-10	-72.8	6.864	0.603	155.7	31.06	0.603	155.7	44.22	0	0.746	-286
60	2010	251	800	08-Sep-10	-72.8	11.34	1.267	125.8	37.71	1.267	125.8	51.25	0	0.648	-197
60	2010	251	900	08-Sep-10	-72.8	13.2	1.497	93.3	27.25	1.497	93.3	32.74	0	0.667	-245
60	2010	251	1000	08-Sep-10	-72.8	16.38	1.439	167.8	32.15	1.439	167.8	48.58	0	0.666	-204
60	2010	251	1100	08-Sep-10	-72.8	17.39	1.07	178.2	25.09	1.07	178.2	39.49	0	0.654	-196
60	2010	251	1200	08-Sep-10	-72.8	17.76	0.965	188.4	29.59	0.965	188.4	39.67	0	0.655	-199
60	2010	251	1300	08-Sep-10	-72.8	18.36	0.935	149	26.83	0.935	149	37.49	0	0.666	-199
60	2010	251	1400	08-Sep-10	-72.8	19.27	1.428	124.1	35.81	1.428	124.1	49.11	0	0.663	-200
60	2010	251	1500	08-Sep-10	-72.8	19.12	1.597	98.1	30.48	1.597	98.1	32.69	0	0.652	-195
60	2010	251	1600	08-Sep-10	-72.8	15.48	1.396	96.6	22.25	1.396	96.6	23.5	0	0.641	-197
60	2010	251	1700	08-Sep-10	-72.8	-2.002	1.127	87.5	14.26	1.127	87.5	15.41	0	0.655	-277
60	2010	251	1800	08-Sep-10	-72.8	-22.61	0.428	349.1	5.332	0.428	349.1	27.95	0	0.646	-324
60	2010	251	1900	08-Sep-10	-72.8	-32.87	0.494	354.5	5.181	0.494	354.5	13.64	0	0.768	-373
60	2010	251	2000	08-Sep-10	-72.8	-36.39	0.472	3.222	7.83	0.472	3.222	19.24	0	0.638	-337
60	2010	251	2100	08-Sep-10	-72.8	-37.79	0.571	22.39	5.682	0.571	22.39	22.98	0	0.653	-321
60	2010	251	2200	08-Sep-10	-72.8	-37.67	0.205	3.065	12.12	0.205	3.065	21.99	0	0.597	-199
60	2010	251	2300	08-Sep-10	-72.8	-38.4	0.26	359.6	7.82	0.26	359.6	13.63	0	0.74	-326
60	2010	251	2400	08-Sep-10	-72.8	-39.14	0.271	0.91	5.517	0.271	0.91	12.79	0	0.745	-283
60	2010	252	100	09-Sep-10	-72.8	-38.05	0.193	4.657	5.913	0.193	4.657	14.45	0	0.746	-278
60	2010	252	200	09-Sep-10	-72.8	-36.36	0.216	359.9	7.61	0.216	359.9	15.18	0	0.741	-317
60	2010	252	300	09-Sep-10	-72.8	-35.02	0.356	358	9.88	0.356	358	15.12	0	0.732	-355
60	2010	252	400	09-Sep-10	-72.8	-34.95	0.285	20.83	5.877	0.285	20.83	28.74	0	0.748	-271
60	2010	252	500	09-Sep-10	-72.8	-29.48	0.219	128	17.43	0.219	128	27.26	0	0.76	-273
60	2010	252	600	09-Sep-10	-72.8	-23.16	0.494	163.5	22.69	0.494	163.5	31.33	0	0.629	-204
60	2010	252	700	09-Sep-10	-72.8	-13.68	0.817	118.4	26.21	0.817	118.4	34.8	0	0.654	-200
60	2010	252	800	09-Sep-10	-72.8	6.303	1.956	119.1	29.54	1.956	119.1	32.62	0	0.661	-207
60	2010	252	900	09-Sep-10	-72.8	13.69	2.251	114.1	28.51	2.251	114.1	30.09	0	0.66	-197
60	2010	252	1000	09-Sep-10	-72.8	16.82	1.716	113.1	30.58	1.716	113.1	41.14	0	0.659	-225
60	2010	252	1100	09-Sep-10	-72.8	18.08	1.719	109.3	31.63	1.719	109.3	35.13	0	0.662	-196
60	2010	252	1200	09-Sep-10	-72.8	17.2	1.449	108.6	29.62	1.449	108.6	32.31	0	0.661	-195
60	2010	252	1300	09-Sep-10	-72.8	16.82	0.874	114.9	26.21	0.874	114.9	32.18	0	0.661	-195

Client = Pacific Booker Minerals

NOTE: HEADINGS NOT VERIFIED

Array ID	Year	Julian Day	Hour Minute	(Column added by KCB) Date	Hourly Average Air Temperature (Celsius)	Hourly Average Relative Humidity (%)	15 Minute Average Wind Speed (m/s)	15 Minute Average Wind Direction (degrees)	15 Minute Standard Deviation for Wind Direction (degrees)	Hourly Total Precipitation (mm)					
60	2010	252	1400	09-Sep-10	-72.8	14.39	0.486	96.9	22.1	0.486	96.9	25.25	0	0.648	-194
60	2010	252	1500	09-Sep-10	-72.8	8.73	0.618	308.7	19.87	0.618	308.7	36.21	0	0.652	-195
60	2010	252	1600	09-Sep-10	-72.8	4.684	0.493	80.6	32.72	0.493	80.6	59.13	0	0.652	-205
60	2010	252	1700	09-Sep-10	-72.8	-1.939	0.396	15.13	27.83	0.396	15.13	45.39	0	0.655	-232
60	2010	252	1800	09-Sep-10	-72.8	-3.839	1.671	273.8	23.41	1.671	273.8	25.08	0	0.649	-204
60	2010	252	1900	09-Sep-10	-72.8	-7.7	1.123	286.4	23.3	1.123	286.4	26.72	0	0.655	-245
60	2010	252	2000	09-Sep-10	-72.8	-18.63	0.42	321	17.88	0.42	321	24.92	0	0.639	-208
60	2010	252	2100	09-Sep-10	-72.8	-21.57	0.902	312.7	16.47	0.902	312.7	19.17	0	0.645	-242
60	2010	252	2200	09-Sep-10	-72.8	-23.25	0.682	323.4	17.51	0.682	323.4	19.49	0	0.673	-388
60	2010	252	2300	09-Sep-10	-72.8	-20.27	1.172	305.2	23.91	1.172	305.2	25.33	0	0.656	-284
60	2010	252	2400	09-Sep-10	-72.8	-22.2	0.655	328.8	17.31	0.655	328.8	21.05	0	0.659	-278
60	2010	253	100	10-Sep-10	-72.8	-29.03	0.392	10.01	13.37	0.392	10.01	21.78	0	0.655	-393
60	2010	253	200	10-Sep-10	-72.8	-32.02	0.606	35.27	18.08	0.606	35.27	26.6	0	0.644	-321
60	2010	253	300	10-Sep-10	-72.8	-32.83	0.395	40.14	8.56	0.395	40.14	16.32	0	0.655	-279
60	2010	253	400	10-Sep-10	-72.8	-32.45	0.197	29.25	4.358	0.197	29.25	9.2	0	0.658	-279
60	2010	253	500	10-Sep-10	-72.8	-30.79	0.167	35.39	9.72	0.167	35.39	17.98	0	0.647	-235
60	2010	253	600	10-Sep-10	-72.8	-22.3	0.214	61.56	16.1	0.214	61.56	46.16	0	0.656	-265
60	2010	253	700	10-Sep-10	-72.8	-0.642	0.84	134.5	39.88	0.84	134.5	66.24	0	0.638	-175
60	2010	253	800	10-Sep-10	-72.8	3.892	1.534	161.6	36.94	1.534	161.6	52.59	0	0.662	-214
60	2010	253	900	10-Sep-10	-72.8	7.98	1.546	259.7	22.92	1.546	259.7	30.76	0	0.652	-198
60	2010	253	1000	10-Sep-10	-72.8	10.83	1.671	165.6	30.52	1.671	165.6	43.61	0	0.633	-202
60	2010	253	1100	10-Sep-10	-72.8	12.3	1.367	126.7	35.58	1.367	126.7	47.86	0	0.647	-201
60	2010	253	1200	10-Sep-10	-72.8	15.32	1.269	95.6	36.75	1.269	95.6	51.27	0	0.661	-200
60	2010	253	1300	10-Sep-10	-72.8	11.37	1.549	89.5	31.37	1.549	89.5	51.29	0	0.645	-195
60	2010	253	1400	10-Sep-10	-72.8	-1.028	1.415	186.5	35.5	1.415	186.5	44.59	0	0.632	-194
60	2010	253	1500	10-Sep-10	-72.8	-5.016	0.369	58.34	20.33	0.369	58.34	39.26	0	0.629	-197
60	2010	253	1600	10-Sep-10	-72.8	-16.07	0.819	73.7	19.35	0.819	73.7	26.52	0	0.654	-434
60	2010	253	1700	10-Sep-10	-72.8	-25.19	0.465	50.7	10.59	0.465	50.7	22.51	0	0.658	-274
60	2010	253	1800	10-Sep-10	-72.8	-33.41	0.893	42.13	20.04	0.893	42.13	38.28	0	0.642	-266
60	2010	253	1900	10-Sep-10	-72.8	-37.84	0.484	23.77	9.84	0.484	23.77	24.91	0	0.74	-274
60	2010	253	2000	10-Sep-10	-72.8	-39.25	0.419	23.36	10.52	0.419	23.36	22.43	0	0.738	-357
60	2010	253	2100	10-Sep-10	-72.8	-37.36	0.453	13.24	8.19	0.453	13.24	20.66	0	0.735	-327
60	2010	253	2200	10-Sep-10	-72.8	-39.05	0.522	28.47	9.66	0.522	28.47	25.56	0	0.871	-286
60	2010	253	2300	10-Sep-10	-72.8	-40.99	0.25	10.31	6.469	0.25	10.31	17.15	0	0.649	-242
60	2010	253	2400	10-Sep-10	-72.8	-41.95	0.349	23.98	5.194	0.349	23.98	28.81	0	0.65	-209
60	2010	254	100	11-Sep-10	-72.8	-40.66	0.456	41.09	9.18	0.456	41.09	19.82	0	0.865	-280
60	2010	254	200	11-Sep-10	-72.8	-40.35	0.269	19.37	10.42	0.269	19.37	32.36	0	0.867	-278
60	2010	254	300	11-Sep-10	-72.8	-39.7	0.208	5.218	6.998	0.208	5.218	20.36	0	0.632	-239
60	2010	254	400	11-Sep-10	-72.8	-38.43	0.321	34.41	9.17	0.321	34.41	16.06	0	0.655	-271
60	2010	254	500	11-Sep-10	-72.8	-32.15	0.286	0.973	17.11	0.286	0.973	31.08	0	0.666	-281
60	2010	254	600	11-Sep-10	-72.8	-23.47	0.752	232.4	21.87	0.752	232.4	28.06	0	0.646	-405
60	2010	254	700	11-Sep-10	-72.8	-7.67	0.498	43.19	28.9	0.498	43.19	44.94	0	0.635	-198
60	2010	254	800	11-Sep-10	-72.8	-1.555	0.82	220.4	27.81	0.82	220.4	44.93	0	0.641	-197
60	2010	254	900	11-Sep-10	-72.8	6.381	1.255	239	32.97	1.255	239	57.6	0	0.64	-196
60	2010	254	1000	11-Sep-10	-72.8	7.81	1.252	237.2	36.03	1.252	237.2	55.01	0	2.66	0
60	2010	254	1100	11-Sep-10	-72.8	12.69	1.27	182.6	32.37	1.27	182.6	58.59	0	0.659	-220
60	2010	254	1200	11-Sep-10	-72.8	16.3	1.631	248	31.69	1.631	248	53.18	0	0.658	-243
60	2010	254	1300	11-Sep-10	-72.8	16.57	1.244	231.7	28.59	1.244	231.7	45.64	0	0.657	-289
60	2010	254	1400	11-Sep-10	-72.8	12.16	0.478	184.1	16.78	0.478	184.1	23.73	0	0.644	-174
60	2010	254	1500	11-Sep-10	-72.8	7.05	0.316	245.9	11.35	0.316	245.9	15.79	0	0.639	-192
60	2010	254	1600	11-Sep-10	-72.8	-3.2	0.592	313.8	13.2	0.592	313.8	19.79	0	0.652	-277
60	2010	254	1700	11-Sep-10	-72.8	-22.61	1.931	5.137	18.83	1.931	5.137	19.45	0	0.651	-261
60	2010	254	1800	11-Sep-10	-72.8	-25.47	2.449	8.15	20.75	2.449	8.15	21.72	0	0.654	-239
60	2010	254	1900	11-Sep-10	-72.8	-34.56	1.054	332.4	37.88	1.054	332.4	40.51	0	0.642	-246
60	2010	254	2000	11-Sep-10	-72.8	-39.04	0.919	318.8	37.3	0.919	318.8	63.21	0	0.615	-225
60	2010	254	2100	11-Sep-10	-72.8	-39.87	0.687	307.8	25.97	0.687	307.8	35.23	0	0.612	-196
60	2010	254	2200	11-Sep-10	-72.8	-38.01	0.269	334.2	16.96	0.269	334.2	33.63	0	0.612	-196
60	2010	254	2300	11-Sep-10	-72.8	-36.68	0.665	340	17.97	0.665	340	37.15	0	0.612	-196
60	2010	254	2400	11-Sep-10	-72.8	-35.48	0.263	2.609	13.79	0.263	2.609	34.68	0	0.609	-196
60	2010	255	100	12-Sep-10	-72.8	-32.53	1.585	53.32	40.09	1.585	53.32	43.45	0.508	2.66	0
60	2010	255	200	12-Sep-10	-72.8	-30.89	0.958	8.18	13.49	0.958	8.18	26.52	0	0.651	-274
60	2010	255	300	12-Sep-10	-72.8	-30.57	0.39	22.55	20.91	0.39	22.55	35.51	0.254	0.636	-262
60	2010	255	400	12-Sep-10	-72.8	-29.06	0.642	17.79	11.31	0.642	17.79	33.71	0.254	0.655	-416
60	2010	255	500	12-Sep-10	-72.8	-26.27	0.103	35.32	10.54	0.103	35.32	19.64	0	0.662	-283
60	2010	255	600	12-Sep-10	-72.8	-19.6	0.247	232	14.9	0.247	232	20.75	0	0.647	-288
60	2010	255	700	12-Sep-10	-72.8	-7.43	0.837	241.1	24.93	0.837	241.1	38.4	0	0.656	-229
60	2010	255	800	12-Sep-10	-72.8	-0.95	1.596	281.7	30.11	1.596	281.7	43.41	0	0.64	-194
60	2010	255	900	12-Sep-10	-72.8	-2.422	1.095	340.4	33.76	1.095	340.4	47.35	0	0.652	-239
60	2010	255	1000	12-Sep-10	-72.8	-5.704	0.682	71.3	27.83	0.682	71.3	57.28	0	0.655	-207
60	2010	255	1100	12-Sep-10	-72.8	2.277	1.456	18	40.84	1.456	18	62.12	0.254	0.643	-230
60	2010	255	1200	12-Sep-10	-72.8	-5.396	0.805	167.9	26.83	0.805	167.9	39.32	0	0.656	-214
60	2010	255	1300	12-Sep-10	-72.8	-3.612	0.963	179.6	24.37	0.963	179.6	36.48	0	0.641	-204
60	2010	255	1400	12-Sep-10	-72.8	-2.803	1.179	133.9	27.49	1.179	133.9	36.48	0	0.645	-196
60	2010	255	1500	12-Sep-10	-72.8	-4.567	0.92	129	33.19	0.92	129	59.49	0	0.637	-196
60	2010	255	1600	12-Sep-10	-72.8	-14.59	0.268	85.1	9.61	0.268	85.1	26.39	0	0.637	-201
60	2010	255	1700	12-Sep-10	-72.8	-23.22	0.246	32.48	5.125	0.246	32.48	20.95	0	0.623	-201
60	2010	255	1800	12-Sep-10	-72.8	-28.29	0.344	28.89	8.69	0.344	28.89	19.63	0	0.618	-200
60	2010	255	1900	12-Sep-10	-72.8	-29.85	0.268	8.71	8.23	0.268	8.71	26.42	0	0.621	-232
60	2010	255	2000	12-Sep-10	-72.8	-29.38	0.33	30.48	8.72	0.33	30.48	19.76	0	0.623	-224
60	2010	255	2100	12-Sep-10	-72.8	-29.47	0.236	351.5	9.15	0.236	351.5	21.38	0	0.623	-201
60	2010	255	2200	12-Sep-10	-72.8	-30.33	0.237	17.48	13.48	0.237	17.48	25.46	0	0.622	-201
60	2010	255	2300	12-Sep-10	-72.8	-32.85	0.27	350.3	19.22	0.27	350.3	30.07	0	0.618	-200
60	2010	255	2400	12-Sep-10	-72.8	-35.03	0.372	334.8	11.82	0.372	334.8	24.86	0	0.619	-203
60	2010	256	100	13-Sep-10	-72.8	-34.4	0.257	328	11.07	0.257	328	13.52	0	0.628	-208
60	2010	256	200	13-Sep-10	-72.8	-32.99	0.5	306.9	10.68	0.5	306.9	16.13	0	0.62	-201
60	2010	256	300	13-Sep-10	-72.8	-31.21	0.238	354	6.996	0.238	354	22.17	0	0.616	-199
60	2010	256	400	13-Sep-10	-72.8	-30.17	0.306	343.5	9.69	0.306	343.5	20.87	0	0.618	-200
60	2010	256	500	13-Sep-10	-72.8	-27.39	0.151	319.3	5.536	0.151	319.3	22.28	0	0.628	-199