Hope Bay Mining Ltd.
Suite 300
889 Harbourside Drive
North Vancouver, BC
V7P 3S1
T 604.998.5400
F 604.980.0731
www.newmont.com

October 5, 2012

Andrew Keim
Water Resource Officer
Aboriginal Affairs and Northern Development Canada
Building 915, P.O. Box 100
Iqaluit, NU X0A 0H0
Andrew.Keim@aandc-aadnc.gc.ca

Re: 2AM-DOH0713 Location of Discharge of Compliant Water from the Doris Firewater Tank

Dear Mr. Keim,

As discussed during your site inspection on October 3-4, 2012, Hope Bay Mining Ltd. has received approval form Eva Paul to discharge the water from the 500,000L Doris Fire Water Tank on our receipt of compliant results.

We have received these results and request your approval to discharge the water to a location directly southwest of the firewater tank at location 68° 08'17.4", 106° 36'51.6". This location is to east of the main Doris road, and the water will funnel under the road via a culvert and drain out onto coarse run of quarry grade rock before reaching the tundra, reducing any potential erosion. Water will be filtered by having to pass under the Windy road and Helicopter Pad before continuing towards the closest waterbody (Doris Lake) (see photo).

Kindly acknowledge receipt of this request and direct any questions to the undersigned. If you have any questions please feel free to contact chris.hanks@newmont.com or (720) 917-4489 or angela.holzapfel@newmont.com or (604) 345-3122.

Sincerely,

Angela Holzapfel

Digitally signed by Angela Holzapfel
DN: cn=Angela Holzapfel, o=Hope Bay Mining Ltd, ou=Manager of Environmental Compliance, email=angela.holzapfel@newmont.com, c=CA
Date: 2012.10.05 14:27:00 -06'00'

Angela Holzapfel
Manager of Environmental Compliance
Hope Bay Mining Ltd.

cc. Phyllis Beaulieu, Nunavut Water Board

attachments: Discharge notice letter, Certificate of Analysis of lab results


Proposed
Discharge
Location

Hope Bay Mining Ltd.
Suite 300
889 Harbourside Drive
North Vancouver, BC
V7P 3S1
T 604.998.5400
F 604.980.0731
www.newmont.com

September 25, 2012

Eva Paul
Water Resource Officer
Aboriginal Affairs and Northern Development Canada
Building 915, P.O. Box 100
Iqaluit, NU X0A 0H0
Eva.Paul@aandc-aadnc.gc.ca

David Hohnstein
Director Technical Services
Nunavut Water Board
P.O. Box 119, Gjoa Haven, NU X0B 1J0
dts@nunavutwaterboard.org

Dear Eva and David,

Re: 2AM-DOH0713 Notification of Discharge from Doris Camp Fire Water Tank

Please be advised that HBML, under Part G: Item 1 of the Hope Bay Type A Water Licence, is providing written notice to the Inspector prior to a planned discharge of water from the fire water tank at the Doris North Project site. The fire water tank contains 500 m^3 of fresh water taken from Doris Lake. HBML does not believe there is cause for this water to be contaminated, but samples have been collected to ensure this is the case.

In the absence of discharge criteria for this water, HBML will compare the water quality results to that of all the individual parameters listed for the various containment berms and ponds in the 2AM-DOH0713 licence. Water will only be discharged to the tundra only after receipt of compliant water quality results. If the results are non-compliant with any of the parameters, HBML will transport the water to the TIA. The water quality results and actual volume of water removed will be included in the monthly SNP regulatory report.

Kindly acknowledge receipt of this notification and direct any questions to the undersigned. If you have any questions please feel free to contact me at angela.holzapfel@newmont.com .

Sincerely,

Angela Holzapfel
Manager of Environmental Compliance
Hope Bay Mining Ltd.

cc. Phyllis Beaulieu, Nunavut Water Board

HOPE BAY MINING LTD
ATTN: Sr. Env. Co-ordinator
300 - 889 Harbourside Drive
North Vancouver BC V7P 3S1

Date Received: 21-SEP-12
Report Date: 02-OCT-12 16:59 (MT)
Version: FINAL REV. 3

Client Phone: 604-985-2572

Certificate of Analysis

Lab Work Order #: L1213056

Project P.O. #: CR0262
Job Reference: COMPLIANCE SAMPLING PROGRAM
C of C Numbers:
Legal Site Desc:

Comments: ADDITIONAL 01-OCT-12 14:53
01-OCT-12: REVISED REPORT - SAMPLE ID EDIT
02-OCT-12: ADDITIONAL CYANIDE

Jessica Spira
Senior Account Manager

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1213056-1 DOHMISC-21SEP12							
Sampled By: CLIENT on 21-SEP-12 @ 06:05							
Matrix: WATER							
Anions by Ion Chromatography							
Bromide by Ion Chromatography							
Bromide (Br)	0.248		0.050	mg/L		26-SEP-12	R2444665
Chloride by Ion Chromatography							
Chloride (Cl)	68.1		0.50	mg/L		26-SEP-12	R2444665
Fluoride by Ion Chromatography							
Fluoride (F)	0.119		0.020	mg/L		26-SEP-12	R2444665
Nitrate in Water by Ion Chromatography							
Nitrate (as N)	<0.0050		0.0050	mg/L		26-SEP-12	R2444665
Nitrite in Water by Ion Chromatography							
Nitrite (as N)	<0.0010		0.0010	mg/L		26-SEP-12	R2444665
Sulfate by Ion Chromatography							
Sulfate (SO4)	<0.50		0.50	mg/L		26-SEP-12	R2444665
BETX+MTBE in Water by P&T GCMS							
BTEX/MTBE/Styrene by Headspace GCMS							
Benzene	<0.00050		0.00050	mg/L	26-SEP-12	27-SEP-12	R2443424
Ethylbenzene	<0.00050		0.00050	mg/L	26-SEP-12	27-SEP-12	R2443424
Methyl t-butyl ether (MTBE)	<0.00050		0.00050	mg/L	26-SEP-12	27-SEP-12	R2443424
Toluene	<0.00050		0.00050	mg/L	26-SEP-12	27-SEP-12	R2443424
meta- & para-Xylene	<0.00050		0.00050	mg/L	26-SEP-12	27-SEP-12	R2443424
ortho-Xylene	<0.00050		0.00050	mg/L	26-SEP-12	27-SEP-12	R2443424
Sum of Xylene Isomer Concentrations							
Xylenes	<0.00075		0.00075	mg/L		27-SEP-12	
VOC7 and/or VOC Surrogates for Waters							
Surrogate: 1,4-Difluorobenzene (SS)	99.8		70-130	%		27-SEP-12	R2443424
Surrogate: 4-Bromofluorobenzene (SS)	90.4		70-130	%		27-SEP-12	R2443424
Total Metals in Water (CCME/BCWQG)							
Hardness							
Hardness (as CaCO3)	45.1		0.50	mg/L		26-SEP-12	
Total Mercury in Water by CVAFS(Low)							
Mercury (Hg)-Total	<0.000010		0.000010	mg/L		26-SEP-12	R2443902
Total Metals in Water by ICPMS (CCME)							
Aluminum (Al)-Total	<0.0050		0.0050	mg/L		26-SEP-12	R2443946
Antimony (Sb)-Total	<0.00050		0.00050	mg/L		26-SEP-12	R2443946
Arsenic (As)-Total	<0.00050		0.00050	mg/L		26-SEP-12	R2443946
Beryllium (Be)-Total	<0.0010		0.0010	mg/L		26-SEP-12	R2443946
Cadmium (Cd)-Total	0.000665		0.000017	mg/L		26-SEP-12	R2443946
Chromium (Cr)-Total	<0.0010		0.0010	mg/L		26-SEP-12	R2443946
Cobalt (Co)-Total	<0.00030		0.00030	mg/L		26-SEP-12	R2443946
Copper (Cu)-Total	<0.0010		0.0010	mg/L		26-SEP-12	R2443999
Lead (Pb)-Total	0.00064		0.00050	mg/L		26-SEP-12	R2443946
Lithium (Li)-Total	<0.0050		0.0050	mg/L		26-SEP-12	R2443946
Manganese (Mn)-Total	0.0701		0.00030	mg/L		26-SEP-12	R2443946
Molybdenum (Mo)-Total	<0.0010		0.0010	mg/L		26-SEP-12	R2443946
Nickel (Ni)-Total	<0.0010		0.0010	mg/L		26-SEP-12	R2443946
Selenium (Se)-Total	<0.0010		0.0010	mg/L		26-SEP-12	R2443946
Silver (Ag)-Total	<0.000020		0.000020	mg/L		26-SEP-12	R2443946
Thallium (Tl)-Total	<0.00020		0.00020	mg/L		26-SEP-12	R2443946
Tin (Sn)-Total	<0.00050		0.00050	mg/L		26-SEP-12	R2443946
Uranium (U)-Total	<0.00020		0.00020	mg/L		26-SEP-12	R2443946
Vanadium (V)-Total	<0.0010		0.0010	mg/L		26-SEP-12	R2443946
Total Metals in Water by ICPOES							
Barium (Ba)-Total	<0.020		0.020	mg/L		26-SEP-12	R2444043

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1213056-1 DOHMISC-21SEP12							
Sampled By: CLIENT on 21-SEP-12 @ 06:05							
Matrix: WATER							
Total Metals in Water by ICPOES							
Boron (B)-Total	<0.10		0.10	mg/L		26-SEP-12	R2444043
Calcium (Ca)-Total	7.55		0.10	mg/L		26-SEP-12	R2444043
Iron (Fe)-Total	0.318		0.030	mg/L		26-SEP-12	R2444043
Magnesium (Mg)-Total	6.37		0.10	mg/L		26-SEP-12	R2444043
Potassium (K)-Total	2.8		2.0	mg/L		26-SEP-12	R2444043
Sodium (Na)-Total	35.9		2.0	mg/L		26-SEP-12	R2444043
Titanium (Ti)-Total	<0.010		0.010	mg/L		26-SEP-12	R2444043
Zinc (Zn)-Total	0.0078		0.0050	mg/L		26-SEP-12	R2444043
Miscellaneous Parameters							
Ammonia, Total (as N)	0.186		0.0050	mg/L		26-SEP-12	R2444230
Cyanide, Free	<0.0050	SRU	0.0050	mg/L		02-OCT-12	R2447840
Nitrate and Nitrite (as N)	<0.0051		0.0051	mg/L		27-SEP-12	
Oil And Grease (Visible Sheen)	no visible sheen present				27-SEP-12	27-SEP-12	R2444709
Oil and Grease	<1.0		1.0	mg/L	27-SEP-12	27-SEP-12	R2444710
Cyanide, Total	<0.0050	SRU	0.0050	mg/L		02-OCT-12	R2447839
Total Dissolved Solids	149		10	mg/L		25-SEP-12	R2444406
Total Suspended Solids	<3.0		3.0	mg/L		25-SEP-12	R2443903
pH	7.60		0.10	pH		25-SEP-12	R2443112
Alkalinity by colour or titration							
Alkalinity, Total (as CaCO3)	27.8		2.0	mg/L		26-SEP-12	R2444393
Alkalinity, Bicarbonate (as CaCO3)	27.8		2.0	mg/L		26-SEP-12	R2444393
Alkalinity, Carbonate (as CaCO3)	<2.0		2.0	mg/L		26-SEP-12	R2444393
Alkalinity, Hydroxide (as CaCO3)	<2.0		2.0	mg/L		26-SEP-12	R2444393
Ion Balance Calculation							
Cation - Anion Balance	1.7			%		27-SEP-12	
Anion Sum	2.48			meq/L		27-SEP-12	
Cation Sum	2.57			meq/L		27-SEP-12	

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

Sample Parameter Qualifier Key:

Qualifier	Description
DLM	Detection Limit Adjusted For Sample Matrix Effects
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.
SRU	Sample Received Unpreserved. Results may be biased low for indicated parameter(s)

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
ALK-SCR-VA	Water	Alkalinity by colour or titration	EPA 310.2 OR APHA 2320

This analysis is carried out using procedures adapted from EPA Method 310.2 "Alkalinity". Total Alkalinity is determined using the methyl orange colourimetric method.
OR
This analysis is carried out using procedures adapted from APHA Method 2320 "Alkalinity". Total alkalinity is determined by potentiometric titration to a pH 4.5 endpoint. Bicarbonate, carbonate and hydroxide alkalinity are calculated from phenolphthalein alkalinity and total alkalinity values.

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-N+N-CALC-VA	Water	Nitrite & Nitrate in Water (Calculation)	EPA 300.0

Nitrate and Nitrite (as N) is a calculated parameter. Nitrate and Nitrite (as N) = Nitrite (as N) + Nitrate (as N).

ANIONS-NO2-IC-VA	Water	Nitrite in Water by Ion Chromatography	EPA 300.0

This analysis is carried out using procedures adapted from EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography". Nitrite is detected by UV absorbance.

ANIONS-NO3-IC-VA	Water	Nitrate in Water by Ion Chromatography	EPA 300.0

This analysis is carried out using procedures adapted from EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography". Nitrate is detected by UV absorbance.

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".

CN-FREE-CFA-VA	Water	Free Cyanide in water by CFA	ASTM 7237

This analysis is carried out using procedures adapted from ASTM Method 7237 "Free Cyanide with Flow Injection Analysis (FIA) Utilizing Gas Diffusion Separation and Amperometric Detection". Free cyanide is determined by in-line gas diffusion at pH 6 with final determination by colourimetric analysis.

CN-T-CFA-VA	Water	Total Cyanide in water by CFA	ISO 14403:2002

This analysis is carried out using procedures adapted from ISO Method 14403:2002 "Determination of Total Cyanide using Flow Analysis (FIA and CFA)". Total or strong acid dissociable (SAD) cyanide is determined by in-line UV digestion along with sample distillation and final determination by colourimetric analysis. Method Limitation: This method is susceptible to interference from thiocyanate (SCN). If SCN is present in the sample, there could be a positive interference with this method, but it would be less than 1% and could be as low as zero.

HARDNESS-CALC-VA	Water	Hardness	APHA 2340B

Hardness (also known as Total Hardness) is calculated from the sum of Calcium and Magnesium concentrations, expressed in CaCO3 equivalents. Dissolved Calcium and Magnesium concentrations are preferentially used for the hardness calculation.

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).

IONBALANCE-VA	Water	Ion Balance Calculation	APHA 1030E

Cation Sum, Anion Sum, and Ion Balance (as % difference) are calculated based on guidance from APHA Standard Methods (1030E Checking Correctness of Analysis). Because all aqueous solutions are electrically neutral, the calculated ion balance (% difference of cations minus anions) should be near-zero.

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
Cation and Anion Sums are the total meq/L concentration of major cations and anions. Dissolved species are used where available. Minor ions are included where data is present. Ion Balance is calculated as: Ion Balance (%) = [Cation Sum-Anion Sum] / [Cation Sum+Anion Sum]			
MET-TOT-CCME-MS-VA	Water	Total Metals in Water by ICPMS (CCME)	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-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).			
NH3-F-VA	Water	Ammonia in Water by Fluorescence	J. ENVIRON. MONIT., 2005, 7, 37-42, RSC
This analysis is carried out, on sulfuric 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.			
OGG-LLE-ED	Water	Oil and Grease-Gra	APHA 5520 B HEXANE MTBE EXT. GRAVIME
OGG-VISIBLE-SHEEN-ED	Water	Oil and Grease - Visible Sheen	Alberta Environment Regs. (Ind. Runoff)
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.			
VOC7-HSMS-VA	Water	BTEX/MTBE/Styrene by Headspace GCMS	EPA8260B, 5021
The water sample, with added reagents, is heated in a sealed vial to equilibrium. The headspace from the vial is transfered into a gas chromatograph. Target compound concentrations are measured using mass spectrometry detection.			
VOC7/VOC-SURR-MS-VA	Water	VOC7 and/or VOC Surrogates for Waters	EPA8260B, 5021
XYLENES-CALC-VA	Water	Sum of Xylene Isomer Concentrations	CALCULATION
Calculation of Total Xylenes Total Xylenes is the sum of the concentrations of the ortho, meta, and para Xylene isomers. Results below detection limit (DL) are treated as zero. The DL for Total Xylenes is set to a value no less than the square root of the sum of the squares of the DLs of the individual Xylenes.			

** 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
ED	ALS ENVIRONMENTAL - EDMONTON, ALBERTA, CANADA
VA	ALS ENVIRONMENTAL - VANCOUVER, BRITISH COLUMBIA, CANADA

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.
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
mg/L - unit of concentration based on volume, parts per million.
< - Less than.
D.L. - The reporting limit.
N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received 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.

Quality Control Report

Workorder: L1213056 Report Date: 02-OCT-12

Client: HOPE BAY MINING LTD
300 - 889 Harbourside Drive
North Vancouver BC V7P 3S1
Contact: Sr. Env. Co-ordinator

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
ALK-SCR-VA	**Water**							
Batch R2444393								
WG1554605-2 CRM		**VA-ALKL-CONTROL**						
Alkalinity, Total (as CaCO3)			92.4		%		85-115	26-SEP-12
WG1554605-5 CRM		**VA-ALKM-CONTROL**						
Alkalinity, Total (as CaCO3)			98.6		%		85-115	26-SEP-12
WG1554605-10 DUP		**L1211760-18**						
Alkalinity, Total (as CaCO3)		<2.0	<2.0	RPD-NA	mg/L	N/A	20	26-SEP-12
WG1554605-3 DUP		**L1208919-2**						
Alkalinity, Total (as CaCO3)		N/A	134		mg/L	0.6	20	26-SEP-12
WG1554605-6 DUP		**L1211708-4**						
Alkalinity, Total (as CaCO3)		2.8	2.8		mg/L	0.5	20	26-SEP-12
WG1554605-9 DUP		**L1211708-13**						
Alkalinity, Total (as CaCO3)		<2.0	<2.0	RPD-NA	mg/L	N/A	20	26-SEP-12
WG1554605-1 MB								
Alkalinity, Total (as CaCO3)			<2.0		mg/L		2	26-SEP-12
WG1554605-4 MB								
Alkalinity, Total (as CaCO3)			<2.0		mg/L		2	26-SEP-12
WG1554605-7 MB								
Alkalinity, Total (as CaCO3)			<2.0		mg/L		2	26-SEP-12
ANIONS-BR-IC-VA	**Water**							
Batch R2444665								
WG1553809-10 DUP		**L1214152-7**						
Bromide (Br)		<1.0	<1.0	RPD-NA	mg/L	N/A	20	26-SEP-12
WG1553809-7 DUP		**L1212108-4**						
Bromide (Br)		<0.050	<0.050	RPD-NA	mg/L	N/A	20	26-SEP-12
WG1553809-16 LCS								
Bromide (Br)			104.9		%		85-115	26-SEP-12
WG1553809-2 LCS								
Bromide (Br)			103.7		%		85-115	26-SEP-12
WG1553809-1 MB								
Bromide (Br)			<0.050		mg/L		0.05	26-SEP-12
WG1553809-11 MB								
Bromide (Br)			<0.050		mg/L		0.05	26-SEP-12
WG1553809-14 MB								
Bromide (Br)			<0.050		mg/L		0.05	26-SEP-12
WG1553809-3 MB								
Bromide (Br)			<0.050		mg/L		0.05	26-SEP-12
WG1553809-5 MB								
Bromide (Br)			<0.050		mg/L		0.05	26-SEP-12

Quality Control Report

Client: HOPE BAY MINING LTD
300 - 889 Harbourside Drive
North Vancouver BC V7P 3S1
Contact: Sr. Env. Co-ordinator

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
ANIONS-BR-IC-VA	**Water**							
Batch R2444665								
WG1553809-8 MB								
Bromide (Br)			<0.050		mg/L		0.05	26-SEP-12
WG1553809-12 MS		**L1212108-5**						
Bromide (Br)			102.9		%		75-125	26-SEP-12
WG1553809-6 MS		**L1210628-1**						
Bromide (Br)			103.5		%		75-125	26-SEP-12
WG1553809-9 MS		**L1212108-2**						
Bromide (Br)			102.5		%		75-125	26-SEP-12
ANIONS-CL-IC-VA	**Water**							
Batch R2444665								
WG1553809-10 DUP		**L1214152-7**						
Chloride (Cl)		38	38		mg/L	0.3	20	26-SEP-12
WG1553809-13 DUP		**L1213074-5**						
Chloride (Cl)		18.5	18.3		mg/L	1.1	20	26-SEP-12
WG1553809-4 DUP		**L1206814-1**						
Chloride (Cl)		15.1	15.1		mg/L	0.0	20	26-SEP-12
WG1553809-7 DUP		**L1212108-4**						
Chloride (Cl)		<0.50	<0.50	RPD-NA	mg/L	N/A	20	26-SEP-12
WG1553809-16 LCS								
Chloride (Cl)			102.0		%		85-115	26-SEP-12
WG1553809-2 LCS								
Chloride (Cl)			100.7		%		85-115	26-SEP-12
WG1553809-1 MB								
Chloride (Cl)			<0.50		mg/L		0.5	26-SEP-12
WG1553809-11 MB								
Chloride (Cl)			<0.50		mg/L		0.5	26-SEP-12
WG1553809-14 MB								
Chloride (Cl)			<0.50		mg/L		0.5	26-SEP-12
WG1553809-3 MB								
Chloride (Cl)			<0.50		mg/L		0.5	26-SEP-12
WG1553809-5 MB								
Chloride (Cl)			<0.50		mg/L		0.5	26-SEP-12
WG1553809-8 MB								
Chloride (Cl)			<0.50		mg/L		0.5	26-SEP-12
WG1553809-15 MS		**L1213074-4**						
Chloride (Cl)			100.1		%		75-125	26-SEP-12
ANIONS-F-IC-VA	**Water**							

Quality Control Report

Client: HOPE BAY MINING LTD
300 - 889 Harbourside Drive
North Vancouver BC V7P 3S1
Contact: Sr. Env. Co-ordinator

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
ANIONS-F-IC-VA	**Water**							
Batch R2444665								
WG1553809-10 DUP		**L1214152-7**						
Fluoride (F)		<0.40	<0.40	RPD-NA	mg/L	N/A	20	26-SEP-12
WG1553809-13 DUP		**L1213074-5**						
Fluoride (F)		0.024	0.024		mg/L	0.9	20	26-SEP-12
WG1553809-4 DUP		**L1206814-1**						
Fluoride (F)		0.089	0.088		mg/L	1.3	20	26-SEP-12
WG1553809-7 DUP		**L1212108-4**						
Fluoride (F)		0.027	0.027		mg/L	2.5	20	26-SEP-12
WG1553809-16 LCS								
Fluoride (F)			108.2		%		85-115	26-SEP-12
WG1553809-2 LCS								
Fluoride (F)			106.8		%		85-115	26-SEP-12
WG1553809-1 MB								
Fluoride (F)			<0.020		mg/L		0.02	26-SEP-12
WG1553809-11 MB								
Fluoride (F)			<0.020		mg/L		0.02	26-SEP-12
WG1553809-14 MB								
Fluoride (F)			<0.020		mg/L		0.02	26-SEP-12
WG1553809-3 MB								
Fluoride (F)			<0.020		mg/L		0.02	26-SEP-12
WG1553809-5 MB								
Fluoride (F)			<0.020		mg/L		0.02	26-SEP-12
WG1553809-8 MB								
Fluoride (F)			<0.020		mg/L		0.02	26-SEP-12
WG1553809-12 MS		**L1212108-5**						
Fluoride (F)			85.7		%		75-125	26-SEP-12
WG1553809-15 MS		**L1213074-4**						
Fluoride (F)			107.7		%		75-125	26-SEP-12
WG1553809-6 MS		**L1210628-1**						
Fluoride (F)			86.2		%		75-125	26-SEP-12
WG1553809-9 MS		**L1212108-2**						
Fluoride (F)			84.6		%		75-125	26-SEP-12
ANIONS-NO2-IC-VA	**Water**							
Batch R2444665								
WG1553809-10 DUP		**L1214152-7**						
Nitrite (as N)		<0.020	<0.020	RPD-NA	mg/L	N/A	20	26-SEP-12
WG1553809-13 DUP		**L1213074-5**						
Nitrite (as N)		0.0074	0.0092	J	mg/L	0.0018	0.002	26-SEP-12

Quality Control Report

Client: HOPE BAY MINING LTD
300 - 889 Harbourside Drive
North Vancouver BC V7P 3S1
Contact: Sr. Env. Co-ordinator

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
ANIONS-NO2-IC-VA	**Water**							
Batch R2444665								
WG1553809-4 DUP		**L1206814-1**						
Nitrite (as N)		<0.0010	<0.0010	RPD-NA	mg/L	N/A	20	26-SEP-12
WG1553809-7 DUP		**L1212108-4**						
Nitrite (as N)		<0.0010	<0.0010	RPD-NA	mg/L	N/A	20	26-SEP-12
WG1553809-16 LCS								
Nitrite (as N)			103.4		%		85-115	26-SEP-12
WG1553809-2 LCS								
Nitrite (as N)			101.2		%		85-115	26-SEP-12
WG1553809-1 MB								
Nitrite (as N)			<0.0010		mg/L		0.001	26-SEP-12
WG1553809-11 MB								
Nitrite (as N)			<0.0010		mg/L		0.001	26-SEP-12
WG1553809-14 MB								
Nitrite (as N)			<0.0010		mg/L		0.001	26-SEP-12
WG1553809-3 MB								
Nitrite (as N)			<0.0010		mg/L		0.001	26-SEP-12
WG1553809-5 MB								
Nitrite (as N)			<0.0010		mg/L		0.001	26-SEP-12
WG1553809-8 MB								
Nitrite (as N)			<0.0010		mg/L		0.001	26-SEP-12
WG1553809-12 MS		**L1212108-5**						
Nitrite (as N)			76.6		%		75-125	26-SEP-12
WG1553809-15 MS		**L1213074-4**						
Nitrite (as N)			101.3		%		75-125	26-SEP-12
WG1553809-6 MS		**L1210628-1**						
Nitrite (as N)			77.1		%		75-125	26-SEP-12
ANIONS-NO3-IC-VA	**Water**							
Batch R2444665								
WG1553809-10 DUP		**L1214152-7**						
Nitrate (as N)		<0.10	<0.10	RPD-NA	mg/L	N/A	20	26-SEP-12
WG1553809-13 DUP		**L1213074-5**						
Nitrate (as N)		5.89	5.83		mg/L	1.0	20	26-SEP-12
WG1553809-4 DUP		**L1206814-1**						
Nitrate (as N)		0.273	0.274		mg/L	0.4	20	26-SEP-12
WG1553809-7 DUP		**L1212108-4**						
Nitrate (as N)		<0.0050	<0.0050	RPD-NA	mg/L	N/A	20	26-SEP-12
WG1553809-16 LCS								
Nitrate (as N)			103.8		%		85-115	26-SEP-12

Quality Control Report

Client: HOPE BAY MINING LTD
300 - 889 Harbourside Drive
North Vancouver BC V7P 3S1
Contact: Sr. Env. Co-ordinator

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
ANIONS-NO3-IC-VA	**Water**							
Batch R2444665								
WG1553809-2 LCS								
Nitrate (as N)			102.0		%		85-115	26-SEP-12
WG1553809-1 MB								
Nitrate (as N)			<0.0050		mg/L		0.005	26-SEP-12
WG1553809-11 MB								
Nitrate (as N)			<0.0050		mg/L		0.005	26-SEP-12
WG1553809-14 MB								
Nitrate (as N)			<0.0050		mg/L		0.005	26-SEP-12
WG1553809-3 MB								
Nitrate (as N)			<0.0050		mg/L		0.005	26-SEP-12
WG1553809-5 MB								
Nitrate (as N)			<0.0050		mg/L		0.005	26-SEP-12
WG1553809-8 MB								
Nitrate (as N)			<0.0050		mg/L		0.005	26-SEP-12
WG1553809-15 MS		**L1213074-4**						
Nitrate (as N)			N/A	MS-B	%		-	26-SEP-12
ANIONS-SO4-IC-VA	**Water**							
Batch R2444665								
WG1553809-10 DUP		**L1214152-7**						
Sulfate (SO4)		273	273		mg/L	0.2	20	26-SEP-12
WG1553809-13 DUP		**L1213074-5**						
Sulfate (SO4)		26.3	26.0		mg/L	1.0	20	26-SEP-12
WG1553809-4 DUP		**L1206814-1**						
Sulfate (SO4)		23.5	23.5		mg/L	0.1	20	26-SEP-12
WG1553809-7 DUP		**L1212108-4**						
Sulfate (SO4)		0.97	0.98		mg/L	0.9	20	26-SEP-12
WG1553809-16 LCS								
Sulfate (SO4)			104.4		%		85-115	26-SEP-12
WG1553809-2 LCS								
Sulfate (SO4)			103.3		%		85-115	26-SEP-12
WG1553809-1 MB								
Sulfate (SO4)			<0.50		mg/L		0.5	26-SEP-12
WG1553809-11 MB								
Sulfate (SO4)			<0.50		mg/L		0.5	26-SEP-12
WG1553809-14 MB								
Sulfate (SO4)			<0.50		mg/L		0.5	26-SEP-12
WG1553809-3 MB								
Sulfate (SO4)			<0.50		mg/L		0.5	26-SEP-12

Quality Control Report

Workorder: L1213056 Report Date: 02-OCT-12

Client: HOPE BAY MINING LTD
300 - 889 Harbourside Drive
North Vancouver BC V7P 3S1
Contact: Sr. Env. Co-ordinator

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
ANIONS-SO4-IC-VA	**Water**							
Batch R2444665								
WG1553809-5 MB								
Sulfate (SO4)			<0.50		mg/L		0.5	26-SEP-12
WG1553809-8 MB								
Sulfate (SO4)			<0.50		mg/L		0.5	26-SEP-12
WG1553809-15 MS		**L1213074-4**						
Sulfate (SO4)			100.5		%		75-125	26-SEP-12
CN-FREE-CFA-VA	**Water**							
Batch R2447840								
WG1558522-2 LCS								
Cyanide, Free			99.2		%		80-120	02-OCT-12
WG1558522-1 MB								
Cyanide, Free			<0.0050		mg/L		0.005	02-OCT-12
CN-T-CFA-VA	**Water**							
Batch R2447839								
WG1558521-2 LCS								
Cyanide, Total			86.9		%		80-120	02-OCT-12
WG1558521-1 MB								
Cyanide, Total			<0.0050		mg/L		0.005	02-OCT-12
HG-TOT-LOW-CVAFS-VA	**Water**							
Batch R2443902								
WG1554374-12 DUP		**L1213056-1**						
Mercury (Hg)-Total		<0.000010	<0.000010	RPD-NA	mg/L	N/A	20	26-SEP-12
WG1554374-25 DUP		**L1213011-1**						
Mercury (Hg)-Total		<0.000010	<0.000010	RPD-NA	mg/L	N/A	20	26-SEP-12
WG1554374-5 DUP		**L1208900-1**						
Mercury (Hg)-Total		<0.000010	<0.000010	RPD-NA	mg/L	N/A	20	26-SEP-12
WG1554374-3 LCS								
Mercury (Hg)-Total			97.8		%		80-120	26-SEP-12
WG1554374-4 LCS								
Mercury (Hg)-Total			93.5		%		80-120	26-SEP-12
WG1554374-1 MB								
Mercury (Hg)-Total			<0.000010		mg/L		0.00001	26-SEP-12
WG1554374-2 MB								
Mercury (Hg)-Total			<0.000010		mg/L		0.00001	26-SEP-12
WG1554374-19 MS		**L1213056-1**						
Mercury (Hg)-Total			90.1		%		70-130	26-SEP-12
WG1554374-22 MS		**L1211276-11**						

Quality Control Report

Client: HOPE BAY MINING LTD
300 - 889 Harbourside Drive
North Vancouver BC V7P 3S1
Contact: Sr. Env. Co-ordinator

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
HG-TOT-LOW-CVAFS-VA	**Water**							
Batch R2443902								
WG1554374-22 MS		**L1211276-11**						
Mercury (Hg)-Total			91.1		%		70-130	26-SEP-12
WG1554374-26 MS		**L1213011-16**						
Mercury (Hg)-Total			92.0		%		70-130	26-SEP-12
WG1554374-7 MS		**L1213427-3**						
Mercury (Hg)-Total			92.8		%		70-130	26-SEP-12
MET-TOT-CCME-MS-VA	**Water**							
Batch R2443907								
WG1553674-1 MB								
Aluminum (Al)-Total			<0.0050		mg/L		0.005	26-SEP-12
Antimony (Sb)-Total			<0.00050		mg/L		0.0005	26-SEP-12
Arsenic (As)-Total			<0.00050		mg/L		0.0005	26-SEP-12
Beryllium (Be)-Total			<0.0010		mg/L		0.001	26-SEP-12
Cadmium (Cd)-Total			<0.000010		mg/L		0.00001	26-SEP-12
Chromium (Cr)-Total			<0.0010		mg/L		0.001	26-SEP-12
Cobalt (Co)-Total			<0.00030		mg/L		0.0003	26-SEP-12
Copper (Cu)-Total			<0.0010		mg/L		0.001	26-SEP-12
Lead (Pb)-Total			<0.00050		mg/L		0.0005	26-SEP-12
Lithium (Li)-Total			<0.0050		mg/L		0.005	26-SEP-12
Manganese (Mn)-Total			<0.00030		mg/L		0.0003	26-SEP-12
Molybdenum (Mo)-Total			<0.0010		mg/L		0.001	26-SEP-12
Nickel (Ni)-Total			<0.0010		mg/L		0.001	26-SEP-12
Selenium (Se)-Total			<0.0010		mg/L		0.001	26-SEP-12
Silver (Ag)-Total			<0.000020		mg/L		0.00002	26-SEP-12
Thallium (Tl)-Total			<0.00020		mg/L		0.0002	26-SEP-12
Tin (Sn)-Total			<0.00050		mg/L		0.0005	26-SEP-12
Uranium (U)-Total			<0.00020		mg/L		0.0002	26-SEP-12
Vanadium (V)-Total			<0.0010		mg/L		0.001	26-SEP-12
Batch R2446604								
WG1553674-3 CRM		**VA-HIGH-WATRM**						
Aluminum (Al)-Total			102.1		%		80-120	28-SEP-12
Antimony (Sb)-Total			84.5		%		80-120	28-SEP-12
Arsenic (As)-Total			99.6		%		80-120	28-SEP-12
Beryllium (Be)-Total			81.9		%		80-120	28-SEP-12
Cadmium (Cd)-Total			103.9		%		80-120	28-SEP-12

Quality Control Report

Client: HOPE BAY MINING LTD
300 - 889 Harbourside Drive
North Vancouver BC V7P 3S1
Contact: Sr. Env. Co-ordinator

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-TOT-CCME-MS-VA	**Water**							
Batch R2446604								
WG1553674-3 CRM		**VA-HIGH-WATRM**						
Chromium (Cr)-Total			98.7		%		80-120	28-SEP-12
Cobalt (Co)-Total			98.0		%		80-120	28-SEP-12
Copper (Cu)-Total			100.3		%		80-120	28-SEP-12
Lead (Pb)-Total			80.2		%		80-120	28-SEP-12
Lithium (Li)-Total			86.3		%		80-120	28-SEP-12
Manganese (Mn)-Total			101.8		%		80-120	28-SEP-12
Molybdenum (Mo)-Total			82.6		%		80-120	28-SEP-12
Nickel (Ni)-Total			100.3		%		80-120	28-SEP-12
Selenium (Se)-Total			99.2		%		80-120	28-SEP-12
Silver (Ag)-Total			82.0		%		80-120	28-SEP-12
Tin (Sn)-Total			82.3		%		80-120	28-SEP-12
Vanadium (V)-Total			102.2		%		80-120	28-SEP-12
MET-TOT-ICP-VA	**Water**							
Batch R2444043								
WG1553674-3 CRM		**VA-HIGH-WATRM**						
Barium (Ba)-Total			101.6		%		80-120	26-SEP-12
Boron (B)-Total			100.4		%		80-120	26-SEP-12
Calcium (Ca)-Total			106.5		%		80-120	26-SEP-12
Iron (Fe)-Total			103.4		%		80-120	26-SEP-12
Magnesium (Mg)-Total			105.6		%		80-120	26-SEP-12
Potassium (K)-Total			104.3		%		80-120	26-SEP-12
Sodium (Na)-Total			102.1		%		80-120	26-SEP-12
Titanium (Ti)-Total			104.1		%		80-120	26-SEP-12
Zinc (Zn)-Total			98.8		%		80-120	26-SEP-12
WG1553674-1 MB								
Barium (Ba)-Total			<0.010		mg/L		0.01	26-SEP-12
Boron (B)-Total			<0.10		mg/L		0.1	26-SEP-12
Calcium (Ca)-Total			<0.050		mg/L		0.05	26-SEP-12
Iron (Fe)-Total			<0.030		mg/L		0.03	26-SEP-12
Magnesium (Mg)-Total			<0.10		mg/L		0.1	26-SEP-12
Potassium (K)-Total			<2.0		mg/L		2	26-SEP-12
Sodium (Na)-Total			<2.0		mg/L		2	26-SEP-12
Titanium (Ti)-Total			<0.010		mg/L		0.01	26-SEP-12
Zinc (Zn)-Total			<0.0050		mg/L		0.005	26-SEP-12

Quality Control Report

Client: HOPE BAY MINING LTD
300 - 889 Harbourside Drive
North Vancouver BC V7P 3S1
Contact: Sr. Env. Co-ordinator

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-TOT-ICP-VA	**Water**							
Batch R2446082								
WG1553674-2 DUP		**L1212456-2**						
Barium (Ba)-Total		<0.010	<0.010	RPD-NA	mg/L	N/A	20	27-SEP-12
Boron (B)-Total		<0.10	<0.10	RPD-NA	mg/L	N/A	20	27-SEP-12
Calcium (Ca)-Total		7.70	7.73		mg/L	0.4	20	27-SEP-12
Iron (Fe)-Total		<0.030	<0.030	RPD-NA	mg/L	N/A	20	27-SEP-12
Magnesium (Mg)-Total		1.11	1.12		mg/L	0.7	20	27-SEP-12
Potassium (K)-Total		<2.0	<2.0	RPD-NA	mg/L	N/A	20	27-SEP-12
Sodium (Na)-Total		<2.0	<2.0	RPD-NA	mg/L	N/A	20	27-SEP-12
Titanium (Ti)-Total		<0.010	<0.010	RPD-NA	mg/L	N/A	20	27-SEP-12
Zinc (Zn)-Total		<0.0050	<0.0050	RPD-NA	mg/L	N/A	20	27-SEP-12
WG1553674-4 MS		**L1212456-4**						
Boron (B)-Total			99.8		%		70-130	27-SEP-12
Calcium (Ca)-Total			99.4		%		70-130	27-SEP-12
Iron (Fe)-Total			95.6		%		70-130	27-SEP-12
Magnesium (Mg)-Total			101.3		%		70-130	27-SEP-12
Potassium (K)-Total			106.7		%		70-130	27-SEP-12
Sodium (Na)-Total			106.0		%		70-130	27-SEP-12
Titanium (Ti)-Total			106.2		%		70-130	27-SEP-12
Zinc (Zn)-Total			91.9		%		70-130	27-SEP-12
NH3-F-VA	**Water**							
Batch R2444230								
WG1553702-10 CRM		**VA-NH3-F**						
Ammonia, Total (as N)			95.5		%		85-115	26-SEP-12
WG1553702-2 CRM		**VA-NH3-F**						
Ammonia, Total (as N)			106.7		%		85-115	26-SEP-12
WG1553702-4 CRM		**VA-NH3-F**						
Ammonia, Total (as N)			91.2		%		85-115	26-SEP-12
WG1553702-6 CRM		**VA-NH3-F**						
Ammonia, Total (as N)			90.6		%		85-115	26-SEP-12
WG1553702-8 CRM		**VA-NH3-F**						
Ammonia, Total (as N)			92.4		%		85-115	26-SEP-12
WG1553702-11 DUP		**L1209734-2**						
Ammonia, Total (as N)		0.0059	0.0061		mg/L	2.5	20	26-SEP-12
WG1553702-1 MB								
Ammonia, Total (as N)			<0.0050		mg/L		0.005	26-SEP-12
WG1553702-3 MB								

Quality Control Report

Client: HOPE BAY MINING LTD
300 - 889 Harbourside Drive
North Vancouver BC V7P 3S1
Contact: Sr. Env. Co-ordinator

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
NH3-F-VA	**Water**							
Batch R2444230								
WG1553702-3 MB								
Ammonia, Total (as N)			<0.0050		mg/L		0.005	26-SEP-12
WG1553702-5 MB								
Ammonia, Total (as N)			<0.0050		mg/L		0.005	26-SEP-12
WG1553702-7 MB								
Ammonia, Total (as N)			<0.0050		mg/L		0.005	26-SEP-12
WG1553702-9 MB								
Ammonia, Total (as N)			<0.0050		mg/L		0.005	26-SEP-12
WG1553702-12 MS		**L1209734-2**						
Ammonia, Total (as N)			91.1		%		75-125	26-SEP-12
OGG-LLE-ED	**Water**							
Batch R2444710								
WG1555223-2 LCS								
Oil and Grease			97.0		%		70-130	27-SEP-12
WG1555223-1 MB								
Oil and Grease			<1.0		mg/L		1	27-SEP-12
PH-PCT-VA	**Water**							
Batch R2443112								
WG1553049-24 CRM		**VA-PH7-BUF**						
pH			7.03		pH		6.9-7.1	25-SEP-12
WG1553049-25 CRM		**VA-PH7-BUF**						
pH			7.03		pH		6.9-7.1	25-SEP-12
WG1553049-26 CRM		**VA-PH7-BUF**						
pH			7.03		pH		6.9-7.1	25-SEP-12
WG1553049-27 CRM		**VA-PH7-BUF**						
pH			7.02		pH		6.9-7.1	25-SEP-12
WG1553049-28 CRM		**VA-PH7-BUF**						
pH			7.02		pH		6.9-7.1	25-SEP-12
WG1553049-29 CRM		**VA-PH7-BUF**						
pH			7.01		pH		6.9-7.1	25-SEP-12
WG1553049-30 CRM		**VA-PH7-BUF**						
pH			7.01		pH		6.9-7.1	25-SEP-12
WG1553049-31 DUP		**L1213097-5**						
pH		7.23	7.25	J	pH	0.02	0.2	25-SEP-12
WG1553049-33 DUP		**L1210258-2**						
pH		8.15	8.15	J	pH	0.01	0.2	25-SEP-12
WG1553049-34 DUP		**L1210790-1**						
pH		7.22	7.23	J	pH	0.01	0.2	25-SEP-12

Quality Control Report

Client: HOPE BAY MINING LTD
300 - 889 Harbourside Drive
North Vancouver BC V7P 3S1
Contact: Sr. Env. Co-ordinator

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PH-PCT-VA	**Water**							
Batch R2443112								
WG1553049-35 DUP		**L1211492-2**						
pH		8.22	8.23	J	pH	0.01	0.2	25-SEP-12
WG1553049-36 DUP		**L1211678-6**						
pH		8.01	7.95	J	pH	0.06	0.2	25-SEP-12
TDS-VA	**Water**							
Batch R2444406								
WG1553712-3 DUP		**L1214152-1**						
Total Dissolved Solids		1430	1450		mg/L	1.8	20	25-SEP-12
WG1553712-2 LCS								
Total Dissolved Solids			101.9		%		85-115	25-SEP-12
WG1553712-5 LCS								
Total Dissolved Solids			101.9		%		85-115	25-SEP-12
WG1553712-1 MB								
Total Dissolved Solids			<10		mg/L		10	25-SEP-12
WG1553712-4 MB								
Total Dissolved Solids			<10		mg/L		10	25-SEP-12
TSS-VA	**Water**							
Batch R2443903								
WG1553710-3 DUP		**L1214152-1**						
Total Suspended Solids		<3.0	<3.0	RPD-NA	mg/L	N/A	20	25-SEP-12
WG1553710-2 LCS								
Total Suspended Solids			98.0		%		85-115	25-SEP-12
WG1553710-5 LCS								
Total Suspended Solids			98.0		%		85-115	25-SEP-12
WG1553710-1 MB								
Total Suspended Solids			<3.0		mg/L		3	25-SEP-12
WG1553710-4 MB								
Total Suspended Solids			<3.0		mg/L		3	25-SEP-12
VOC7-HSMS-VA	**Water**							
Batch R2443424								
WG1553948-3 DUP		**L1213726-4**						
Benzene		<0.00050	<0.00050	RPD-NA	mg/L	N/A	30	27-SEP-12
Ethylbenzene		<0.00050	<0.00050	RPD-NA	mg/L	N/A	30	27-SEP-12
Methyl t-butyl ether (MTBE)		<0.00050	<0.00050	RPD-NA	mg/L	N/A	30	27-SEP-12
Toluene		<0.00050	<0.00050	RPD-NA	mg/L	N/A	30	27-SEP-12
meta- & para-Xylene		<0.00050	<0.00050	RPD-NA	mg/L	N/A	30	27-SEP-12
ortho-Xylene		<0.00050	<0.00050	RPD-NA	mg/L	N/A	30	27-SEP-12

Quality Control Report

Client: HOPE BAY MINING LTD
300 - 889 Harbourside Drive
North Vancouver BC V7P 3S1
Contact: Sr. Env. Co-ordinator

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC7-HSMS-VA	**Water**							
Batch R2443424								
WG1553948-2 LCS								
Benzene			92.3		%		70-130	27-SEP-12
Ethylbenzene			98.0		%		70-130	27-SEP-12
Methyl t-butyl ether (MTBE)			100.3		%		70-130	27-SEP-12
Toluene			93.3		%		70-130	27-SEP-12
meta- & para-Xylene			98.6		%		70-130	27-SEP-12
ortho-Xylene			99.7		%		70-130	27-SEP-12
WG1553948-1 MB								
Benzene			<0.00050		mg/L		0.0005	27-SEP-12
Ethylbenzene			<0.00050		mg/L		0.0005	27-SEP-12
Methyl t-butyl ether (MTBE)			<0.00050		mg/L		0.0005	27-SEP-12
Toluene			<0.00050		mg/L		0.0005	27-SEP-12
meta- & para-Xylene			<0.00050		mg/L		0.0005	27-SEP-12
ortho-Xylene			<0.00050		mg/L		0.0005	27-SEP-12

Quality Control Report

Workorder: L1213056 Report Date: 02-OCT-12

Client: HOPE BAY MINING LTD
300 - 889 Harbourside Drive
North Vancouver BC V7P 3S1
Contact: Sr. Env. Co-ordinator

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
DLM	Detection Limit Adjusted For Sample Matrix Effects
J	Duplicate results and limits are expressed in terms of absolute difference.
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

Quality Control Report

Workorder: L1213056 Report Date: 02-OCT-12

Client: HOPE BAY MINING LTD
300 - 889 Harbourside Drive
North Vancouver BC V7P 3S1
Contact: Sr. Env. Co-ordinator

Hold Time Exceedances:

ALS Product Description	Sample ID	Sampling Date	Date Processed	Rec. HT	Actual HT	Units	Qualifier
Physical Tests							
pH by Meter (Automated)							
	1	21-SEP-12 06:05	25-SEP-12 11:16	0.25	101	hours	EHTR-FM
Anions and Nutrients							
Nitrate in Water by Ion Chromatography							
	1	21-SEP-12 06:05	26-SEP-12 08:25	3	5	days	EHT
Nitrite in Water by Ion Chromatography							
	1	21-SEP-12 06:05	26-SEP-12 08:25	3	5	days	EHT

Legend & Qualifier Definitions:

EHTR-FM:	Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended.
EHTR:	Exceeded ALS recommended hold time prior to sample receipt.
EHTL:	Exceeded ALS recommended hold time prior to analysis. Sample was received less than 24 hours prior to expiry.
EHT:	Exceeded ALS recommended hold time prior to analysis.
Rec. HT:	ALS recommended hold time (see units).

Notes*:
Where actual sampling date is not provided to ALS, the date (& time) of receipt is used for calculation purposes.
Where actual sampling time is not provided to ALS, the earlier of 12 noon on the sampling date or the time (& date) of receipt is used for calculation purposes. Samples for L1213056 were received on 21-SEP-12 16:23.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

L1213056-COFC

est Form 878

COC # _____

Page 1 of 1

ALS Environmental

Report To:		Report Format / Distribution		Service Requested (Rush for routine analysis subject to availability)
Company:	Hope Bay Mining Limited	☐ Standard ☐ Other		○ Regular (Standard Turnaround Times - Business Days)
Contact:	Environmental Co-ordinator	☑ PDF ☑ Excel ☐ Digital ☐ Fax		○ Priority (2-4 Business Days) - 50% Surcharge - Contact ALS to Confirm TAT
Address:	300-899 Harbour Side Drive	Email 1:	hbesr.data@newmont.com	◉ Emergency (1-2 Bus. Days) - 100% Surcharge - Contact ALS to Confirm TAT
		Email 2:	jill.turk@newmont.com	○ Same Day or Weekend Emergency - Contact ALS to Confirm TAT
Phone:	1-604-985-2527 Fax: 1-604-980-0731	Email 3:	angela.holzapfel@newmont.com	
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:	CR0262	P
Contact:		LSD:		
Address:		Job Ref:	Compliance Sampling Program	
Phone:	Fax:	Quote #:		
Lab Work Order # (lab use only)	L1213056	ALS Contact:	Sampler: KV	

Sample #	Sample Identification (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	Q32478	BTEX	~~PCB~~	Number of Containers
	DorisMisc-21SEP12	21-Sep-12	6:15	Water	X	X	X	8

RUSH

Priority processing

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

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 ? If Yes add SIF
K Venter	21-Sep-12	9:00	JH	24-Sept-12	3:00pm	17 °C				