



Final Environmental Impact Statement February 2012

APPENDIX 7B

WATER AND SEDIMENT QUALITY

Appendix 7B-1 Surface Water and Sediment Quality Baseline Report

Appendix 7B-2 Memorandum: Development of Site Specific Water Quality Objectives for Application in the Final EIS Water Quality Assessment





APPENDIX 7B-1 SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT

SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT





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SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT (REF. NO. NB102-181/30-5)

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SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT (REF. NO. NB102-181/30-5)

EXECUTIVE SUMMARY

This document is a compilation of the environmental surface water and sediment quality data from sampling programs performed by Knight Piésold Ltd. and their sub-consultants from 2005 to 2011. Stream sampling completed by Baffinland Iron Mines Corporation (BIMC) in 2009 and 2010 is also included. The data have been summarized for the seven sampling years and compared to applicable criteria, and trends have been analyzed. The 2011 sampling program was completed with future monitoring requirements considered, however the data was also used as additional baseline data.

Streams naturally have elevated concentrations or values for the following parameters: dissolved oxygen, turbidity, aluminum and iron. There were also some instances where the CCME guidelines were exceeded for the following parameters: copper, total suspended solids, silver, selenium, lead, pH and nickel.

Lake profiling in 2011 generally indicates that the lakes are thermally stratified in the summer and are isothermic, uniformly mixed undergoing turnover in the fall. Parameters that were generally at or above the respective guidelines in Camp Lake and Mary Lake included aluminum, cadmium and copper; Sheardown Lake generally had elevated concentrations of iron and copper. Steensby area lakes generally had elevated aluminum concentrations.

Sediment quality at sites across the project area was generally good with naturally higher levels of chromium, copper, nickel and aluminum within the Mine Site. In Mary Lake elevated concentrations of total phosphorus were noted and in Sheardown Lake (Northwest Basin), elevated concentrations of total phosphorus, total Kjeldhal nitrogen (TKN) and total organic carbon (TOC) were noted.



SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT (REF. NO. NB102-181/30-5)

TABLE OF CONTENTS

			PAGE
EXECUT	IVE SUM	MMARY	1
TABLE O	F CONT	ENTS	i
SECTION	J 1 0 - IN	ITRODUCTION	1
1.1	_	CTIVES	
1.2		DY AREA	
1.3		MARY OF ANNUAL STUDIES	
SECTION	N 2.0 - MI	ETHODS	3
2.1	STRE	AM WATER QUALITY	3
	2.1.1	Sampling Locations and Seasons	3
	2.1.2	Parameters	4
	2.1.3	Sampling Methods	4
	2.1.4	Laboratory Methods	
	2.1.5	Field Quality Assurance/Quality Control	
	2.1.6	Data Analysis	6
2.2	LAKE	WATER QUALITY	
	2.2.1	Sampling Locations and Seasons	7
	2.2.2	Parameters	8
	2.2.3	Sampling Methods	8
	2.2.4	Laboratory Methods	
	2.2.5	Field Quality Assurance/Quality Control	
	2.2.6	Analytical QA/QC	
	2.2.7	Analysis of Results	
2.3	SEDI	MENT QUALITY	
	2.3.1	Sampling Locations and Seasons	
	2.3.2	Parameters	
	2.3.3	Sampling Methods	
	2.3.4	Laboratory Methods	
	2.3.5	Field Quality Assurance/Quality Control	
	2.3.6	Data Analysis	
SECTION	N 3.0 - RE	ESULTS	16
3.1	STRE	EAM WATER QUALITY	16

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	3.1.1	Mine Site	16
	3.1.2	Proposed Railway and Steensby Port Area	. 21
	3.1.3	Mine Site to Milne Port	. 23
	3.1.4	QA/QC	. 24
3.2	LAKE V	VATER QUALITY	. 26
	3.2.1	QA/QC	. 28
3.3	SEDIM	ENT QUALITY	. 29
	3.3.1	Mine Site	. 29
	3.3.2	Railway Alignment and Steensby Port Area	. 36
	3.3.3	QA/QC	. 37
SECTION 4	4.0 - COI	NCLUSIONS	. 38
SECTION 5	5.0 - REF	FERENCES	. 39
SECTION 7	7.0 - CEF	RTIFICATION	40
		TABLES	
Table 2.1 Re	ev 0	2005-2011 Mine Site Stream Water Sample Locations	
Table 2.2 R	ev 0	2005-2011 Mine Site to Steensby Port Stream Water Sample Locations	
Table 2.3 R	ev 0	2005-2011 Mine Site to Milne Port Stream Water Sample Locations	
Table 2.4 R		2005-2011 Lake Surface Water Quality Sample Locations	
Table 2.5 R		2005-2011 Sediment Quality Sample Locations	
Table 3.1 R	ev 0	Stream Water Quality Data Summary Statistics - Mine Site General Parameters and T Metals	otal
Table 3.2 R	ev 0	Stream Water Quality Data Summary Statistics - Mine Site Dissolved Metals	
Table 3.3 R	ev 0	Stream Water Quality Data Summary Statistics - Mine Site to Steensby Port General Parameters and Total Metals	eral
Table 3.4 Ro	ev 0	Stream Water Quality Data Summary Statistics - Mine Site to Steensby Port Dissol Metals	ived
Table 3.5 R	ev 0	Stream Water Quality Data Summary Statistics - Mine Site to Milne Port General Parameters and Total Metals	eral
Table 3.6 Re	ev 0	Stream Water Quality Data Summary Statistics - Mine Site to Milne Port Dissolved Met	tals
Table 3.7 Re	ev 0	Lake Water Quality Summary Data and Statistics	
Table 3.8 R	ev 0	Sediment Quality Data Summary Statistics	
		FIGURES	
Figure 1.1 R	Rev 0	Project Location Map	
Figure 1.2 R	Rev 0	Stream and Lake Water Quality Sample Locations in the Freshwater RSA	
Figure 1.3 R		Stream Water Quality Sample Locations - Mine Site	
Figure 1.4 R		Lake Water Quality Sample Locations - Mine Site	
Figure 1.5 R		Stream and Lake Water Quality Sample Locations - Steensby Port	
Figure 1.6 R		Sediment Sample Locations in the Freshwater RSA	
Figure 1.7 R		Sediment and Benthic Invertebrates Sample Locations - Mine Site	
Figure 1.8 R	kev U	Sediment Sample Locations - Steensby Port	



SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT (REF. NO. NB102-181/30-5)

SECTION 1.0 - INTRODUCTION

The Mary River Project (the Project) consists of a proposed iron ore mine and associated facilities located on North Baffin Island, in the Qikiqtani Region of Nunavut (see Figure 1.1). The Project involves the construction, operation, closure and reclamation of an 18 million tonne per annum (Mt/a) open pit mine that will operate for 21 years. The high-grade iron ore to be mined is suitable for international shipment after crushing and screening with no chemical processing facilities. A railway system will transport the ore from the mine area to an all season deep-water port and ship loading facility at Steensby Port where the ore will be loaded into ore carriers for overseas shipment through Foxe Basin. A dedicated fleet of cape-sized ice-breaking ore carriers and some non-icebreaking ore carriers and conventional ships will be used during the open water season to ship the iron ore to markets.

This environmental baseline study report has been prepared in support of the Final Environmental Impact Statement (FEIS) for the Project, to be submitted by Baffinland Iron Mines Corporation (Baffinland) to the Nunavut Impact Review Board (NIRB).

1.1 OBJECTIVES

This document is a compilation of the environmental surface water quality and sediment quality data for baseline surface water and sediment sampling programs performed by Knight Piésold Ltd. (KPL), their sub-consultants and Baffinland Iron Mines Corporation (BIMC) from 2005-2011. The data have been summarized for the seven sampling years, compared to applicable criteria, and trends have been analyzed. This report has been prepared to support the FEIS. The 2011 sampling was completed with future monitoring requirements considered, however the data was also used as additional baseline data.

1.2 STUDY AREA

For the purpose of this baseline study, the study area includes water bodies in the vicinity of the Milne Port, Milne Inlet Tote Road, Mine Site, Railway and Steensby Port Local Study Areas (LSAs).

1.3 SUMMARY OF ANNUAL STUDIES

Stream water quality has been studied in the Project area since 2005 by KPL and North/South Consultants Inc. (North/South), with sampling locations being modified each year to reflect changing Project components. During 2005 and 2006, the Project focused on exploration activities. In 2007, exploration continued and operations and facilities were expanded. In 2008, the bulk sample program was initiated. Sampling at specific locations within the Mine Site was completed by BIMC in 2009 and 2010. In 2011, KPL completed water and sediment quality programs based on future monitoring requirements. The Surface Water and Sediment Quality Study should be examined with these activities



in mind. Drilling operations did take place prior to 2005, thus it is possible for these activities to have influenced specific areas before the baseline sampling commenced. This report is an update to the 2010 annual report, for the purpose of including and presenting the 2011 data.

Lake water quality/limnology was studied in 2006 by KPL and in 2007 and 2008 by North/South on behalf of KPL. Sediment quality was sampled in 2005 and 2006 by KPL and in 2007 and 2008 by North/South. Lake and sediment quality were studied in 2011 based on future monitoring requirements. Stream and lake water quality sample locations are shown on Figures 1.2 through 1.5. Sediment sampling locations are shown on Figures 1.6 and 1.8.

Results of the various studies are presented in the following reports:

- "2005/2006 Baseline Water Quality Summary Report" (Ref. No. NB102-00181/4-5), Knight Piésold Ltd., March 13, 2007
- "2007 Baseline Water Quality Summary Report" (Ref. No. NB102-00181/7-5), Knight Piésold Ltd., June 6, 2008
- "Freshwater Aquatic Environment Baseline Report: Lake Limnology and Lower Trophic Levels: 2007"
 North/South Consultants Inc., March 2008
- "Surface Water and Sediment Quality Baseline Report" (Ref. No. NB102-00181/25-2), Knight Piésold Ltd., October 29, 2010, issued for DEIS
- "Compendium to Surface Water and Sediment Quality Baseline Report" (Ref. No. NB102-00181/25-16), Knight Piésold Ltd., December 31, 2010



SECTION 2.0 - METHODS

2.1 <u>STREAM WATER QUALITY</u>

2.1.1 Sampling Locations and Seasons

Between 2005 and 2008, sampling was generally undertaken during the spring (June), summer (July) and fall (August/September) during the open water season. In 2009 and 2010 sampling was completed during the summer only. In 2011, sampling was completed in the summer and fall. Sample locations were modified each year based on current and proposed Project activities, and were also dependent on factors such as accessibility, weather conditions, wildlife sightings and flow conditions at the time of sampling. In 2007, samples were collected from certain locations (A0-10, C0-10, E0-03, E0-10, E3-01, E4-01, F0-01, G0-01, G0-09 and L0-01) on a weekly basis by KPL personnel. The weekly sampling of these and additional sites was completed by BIMC in 2008 to meet regulatory requirements. Since these samples were collected for regulatory purposes rather than for baseline conditions, they have not been included in this report.

In general, stream sampling areas in each year are described as follows:

Year	General Stream Sampling Areas
2005	Mine Site (includes Mining Area, Mine Infrastructure Area, Exploration
	Facilities Area) and vicinity
	Potential transportation routes to Milne Port and Steensby Port
2006	Mine Site (includes Mining Area, Mine Infrastructure Area, Exploration
	Facilities Area) and vicinity
	Potential transportation routes to Milne Port and Steensby Port
2007	Mine Site (includes Mining Area, Mine Infrastructure Area, Exploration
	Facilities Area) and vicinity
	Railway
2008	Mine Site (includes Mining Area, Mine Infrastructure Area, Exploration
	Facilities Area) and vicinity
	Railway
	Steensby Port
	Milne Port
2009	Mine Site
2003	• Willie Site
2010	Mine Site
2011	Mine Site
	Steensby Port
	Milne Port



In addition to streams, sampling locations included rivers, drainage courses and lakes. Tables 2.1 to 2.4 provide a detailed summary of all sample locations, including UTM coordinates.

2.1.2 Parameters

situ (temperature, dissolved oxygen (DO), parameters pН and specific conductance/conductivity) were generally measured at each site and UTM coordinates were recorded using a handheld Global Positioning System (GPS). Grab samples were collected for laboratory analysis for the parameters listed in the laboratory quote in Appendix A of the compendium report (Ref. No. NB102-00181/30-6). The 2009-2011 laboratory quotes have not been included in this Appendix, as correspondence with the laboratory was done by BIMC. Physical characteristics of the stream were also recorded, such as approximate width, depth, flow rate, amount of riparian vegetation, etc.

2.1.3 Sampling Methods

In situ measurements at each location were collected using a YSI 556 MPS (2005), an Hydrolab Quanta (2006, limited use in 2007/2008) or a YSI 600 QS Sonde (2007/2008) and a YSI 6820 V2 Sonde in 2011. Measurements were recorded on the sample record forms. Appendix B of the compendium report contains available field record sheets.

Surface water samples were collected by trained field staff using standard protocols. The following steps were taken when collecting samples:

- Samples were collected from flowing sections (unless otherwise noted) and were obtained by either wading into the stream or by collecting the sample from the stream bank
- Samples were collected in an upstream direction, and sampling gloves were worn at all times
- Samples were obtained by placing the sample bottle beneath the surface of the water with
 the bottle opening facing downwards to reduce the amount of surface residue collected. In
 some cases the stream was very shallow; in these cases the sample was collected from the
 surface.
- Samples were collected into clean sample bottles provided by the laboratory. For bottles where acid preservative was required, samples were transferred from a clean bottle into the bottle containing preservative.
- Samples for dissolved metals were filtered in the field at the time of collection using an Acrodisc® 60 mm Syringe with a 0.45 µm Supor® membrane filter and the sample was preserved (acidified with nitric acid). Ten (10) mL of sample water was dispensed from each syringe/filter apparatus prior to filling the sample bottles, as per the manufacturer's directions. In the fall of 2011, a shortage of Acrodisc filters (due to shipping delays) occurred and non-sterile filters were used at a small number of sites. This was noted on the respective field record sheet.

As soon as possible after collection, samples were stored on ice in coolers and shipped to the laboratory under chain-of-custody protocols. Samples were submitted for testing to SGS Lakefield in Lakefield, ON in 2005 and Exova Accutest Laboratories Ltd. (Exova) in



Ottawa, ON in 2006. Testing of metals was sub-contracted to the ALS Laboratory Group (ALS) in Vancouver, BC from 2007 to 2011.

2.1.4 <u>Laboratory Methods</u>

Analytical methods for the parameters measured at Exova and ALS are provided in Appendix A of the compendium report, and available laboratory certificates of analysis are provided in Appendix C of the compendium report. Laboratory quotes for 2009-2011 were determined through BIMC and are not included.

2.1.5 Field Quality Assurance/Quality Control

Field quality assurance/quality control (QA/QC) procedures included standard precautions to avoid sample contamination (e.g. gloves were worn during sample collection and handling), use of standard sampling protocols and inclusion of QA/QC samples.

QA/QC sample descriptions and collection frequencies are summarized below:

- Field blanks were prepared in the field using deionized water. These samples were field filtered and preserved using the same methodology as for actual water sample collection. The number of field blanks collected was equivalent to 5% of the total number of samples collected, or one per sampling event, whichever was greater.
- Duplicate samples were collected immediately following the collection of the original sample.
 The number of duplicate samples collected was equivalent to 10% of the total number of samples collected or one per sampling event, whichever was greater.
- Trip blanks were provided by the laboratory and were submitted whenever possible given
 weather and shipping constraints. These blanks were prepared by the analytical laboratory
 by filling one set of sample bottles with deionized water. Trip blanks were left unopened and
 kept in a cooler which accompanied the samplers on a specific day before being submitted to
 the laboratory with other samples.
- Equipment blanks were performed in 2005, 2006 and 2011 by running deionized water over the equipment used during sample collection. Approximately one equipment blank was collected per day when the equipment required decontamination. In 2011, an equipment blank was collected in the summer, from two possible samplers, prior to use.

QA/QC samples were analyzed for the same parameters as the actual samples.

Field meters were calibrated prior to departure and/or in the field, depending on the specifications of the instrument and the parameter being measured. Where required, meters were also subject to regular verifications during the field program using distilled or deionized water and standards for turbidity, conductivity and pH.



2.1.6 Data Analysis

2.1.6.1 Analytical Quality Assurance/Quality Control

Analytical and field precision were determined using the analytical results obtained for the duplicate samples, through the application of relative percent difference (RPD) calculations. Data were considered to be imprecise if the RPD between the duplicate samples was 25% or greater, for concentrations that were 5 times greater than the method detection limits (MDL). All imprecise data sets were flagged and investigated, where possible, to determine the cause of the discrepancy.

Field blank samples were used to assess the potential sources of contamination associated with the sample containers, preservatives, filters and filter apparatus, sample handling and transportation, as well as any potential contamination from the analytical procedures. Analytical results for field blanks should not exceed more than 5 times the MDL. Where a result was over five times the MDL, the result was bolded in the summary table and noted in the QA/QC section.

Additionally, all water quality data were evaluated qualitatively for potential outliers and transcription or analytical errors. Where values were encountered that departed considerably from results obtained at the same site during other sampling periods and/or where one replicate sample differed notably from the others, the measurement was flagged as suspect and if possible, an explanation for the differences was considered. For statistical purposes, values considered to be outliers were removed from the data set. When possible, values were verified against analytical laboratory reports for transcription errors and/or requests were made to the analytical laboratory to verify the values through sample reanalysis and/or verification of reporting accuracy. In 2008, this form of data evaluation was commenced, but due to an extended stoppage of work, analytical checks were no longer possible due to the sample holding times being exceeded. KPL was provided executable results for 2009 and 2010, and therefore certificates of analysis were not provided. QC and checks on the data from these two years could not be performed.

The analytical laboratories are Canadian Association for Laboratory Accreditation (CALA) certified facilities and adhere to routine laboratory QA/QC procedures.

2.1.6.2 Analysis of Results

Summary statistics were generated for the specified areas in the vicinity of the Mine Site, the area between the Mine Site and Milne Port and the area between the Mine Site and Steensby Port (including the Mid-Rail area).



The following statistics were calculated:

- Number of Sites the number of sites included in a specified area was calculated.
- Number of Samples the number of samples included in an area was calculated.
- Number of Detects the number of results above the MDL for a specific parameter was calculated for each area.
- Percentage of Detects the percentage of results above the MDL for a specific parameter was calculated.
- Minimum the lowest value/result for a specific parameter in an area was calculated.
- Maximum Detected the maximum value/result for a specific parameter in an area was calculated.
- Mean calculated for parameters for which >50% of the results are detectable
- 90th Percentile the calculated value below which 90% of the results for a specific parameter fall.
- 95th Percentile the calculated value below which 95% of the results for a specific parameter fall.

A summary of the statistical data for stream water quality is provided in Tables 3.1 to 3.6.

Water quality data were compared to the Receiving Water Quality Guidelines in 2011. These guidelines consist mainly of the most current CCME water quality guidelines for the protection of aquatic life (PAL; updated in 2011). These guidelines also consist of one or more values from project-specific criteria calculated by KPL and were taken from the following guides:

- "A Compendium of Working Water Quality Guidelines for British Columbia", BC MOE, Updated August 2006.
- Ontario Regulation 560/94 "Effluent Monitoring and Effluent Limits Metal Mining Sector", 2007.

Site-specific tables for all stream water quality sampling locations with comparisons to the Receiving Water Quality Guidelines are included in Appendix D of the compendium report.

2.2 LAKE WATER QUALITY

2.2.1 Sampling Locations and Seasons

Sampling was generally undertaken during the summer (July) and fall (August/September). Winter (May) samples also were collected in 2007 and 2008. Sample locations were modified



each year based on current and proposed Project activities, and were also dependent on factors such as accessibility, weather/ice conditions and wildlife sightings.

In general, stream sampling areas in each year are described as follows:

Year	General Stream Sampling Areas				
2006	• Mine Site (includes Mine Infrastructure Area and Exploration Facilities Area) and				
	Mary Lake				
2007	• Mine Site (includes Mine Infrastructure Area and Exploration Facilities Area) and				
	Mary Lake				
2008	Mine Site (includes Mine Infrastructure Area and Exploration Facilities Area) and				
	Mary Lake				
	Steensby Port and vicinity				
	Railway (including Mid-Rail Camp Lake)				
2011	Mid-Rail area				
	Area between Mine Site and Milne Port				

Sampling sites varied between the ice-cover and open-water season programs, due in part to conditions encountered in the winter (e.g. some sites were frozen to the lake bottom and could not be sampled). Table 2.4 provides a detailed summary of all sample locations for lake water quality.

Total depth, ice thickness (where applicable) and UTM coordinates were also recorded at each site for each sampling period. UTM coordinates were recorded using handheld GPS units. Secchi disk depth was measured at most sites during the open-water season.

2.2.2 Parameters

In situ parameters (temperature, DO, turbidity, pH and specific conductance/conductivity) were generally measured at each site. Grab samples were collected for laboratory analysis for the parameters listed in the laboratory quotes in Appendix A of the compendium report. In situ data was provided by KPL and North/South and is provided in Appendix B of the compendium report.

2.2.3 Sampling Methods

For winter sampling, sites were accessed using snowmobiles, and holes were augered through the ice. A water quality meter or a weighted, metered line was used to determine water depth, and an extendible gaff or a weighted, metered line was used to measure ice thickness. Snow depth was measured with a meter stick. Slush ice/snow was removed from sampling sites prior to sample collection.

During the open water season, sites were accessed with, and sampled from, a zodiac equipped with a gas-powered motor. Sampling was initiated after the boat was anchored and stabilized as much as possible (some drift was unavoidable due to wind). Water depth was measured with a



Hydrolab Quanta multi-parameter probe (2006), Strike Master Polar Vision hand-held digital sonar or its equivalent (2007 and 2008) and a YSI 6820 V2 Sonde (2011).

During winter sampling, in situ measurements were taken using a Hydrolab Quanta (2006), a Horiba U-10 Water Quality Checker (2007), or a YSI 600 QS Sonde (2008). In the open water season, a Hydrolab Quanta was used in 2006. In 2007, measurements were taken using a YSI 85, Analite 160 Turbidity Meter, and a YSI 60. In 2008, a Horiba W-22XD was used for in situ profiling. In 2011, a YSI 6820 V2 Sonde was used. Depth profiles for DO, temperature, pH, specific conductance and, in most years, turbidity were measured at 0.5 to 1 m intervals over the depth of the lake. In 2007, turbidity was measured to a maximum depth of 15 m during the open water season, which was the maximum length of the cable. Available in situ and depth profile measurements are provided in Appendix B of the compendium report.

The Secchi disk depth was measured at each site, where possible, as the average of two measurements: the depth at which a black and white disk lowered into the water from the shady side of the boat was no longer visible; and the depth at which the disk reappeared when raised from the water column.

Lake water samples were collected by field staff using standard protocols, including the use of sampling gloves. The Kemmerer, van Dorn or Beta Bottle water samplers were cleaned before use and were rinsed with water from the site prior to sampling. Water samples were generally collected one metre below the ice (in winter) or from the water surface (in the open-water season), and one metre above the sediment; however in 2008, there were several sample locations for which only a shore sample was collected due to lack of boat access.

Sample bottles provided by the analytical laboratories were filled and processed according to instructions provided by the laboratories. Where required, preservatives were added as soon as possible after sample collection and then the bottles were thoroughly mixed. Samples for dissolved metals were filtered in the field at the time of sample collection using an Acrodisc® 32 mm Syringe with a 0.45 μ m Supor® membrane filter and the sample was preserved (acidified with nitric acid). Ten (10) mL of sample water was dispensed from each syringe/filter apparatus prior to filling the sample bottles provided by the analytical laboratory.

As soon as possible after collection, samples were kept cool and in the dark and shipped to the laboratory under chain-of-custody protocols. All samples were submitted for testing to both ALS and Exova. Starting in 2008, all samples were submitted for testing to Exova, who sub contracted the metals analysis to ALS.

2.2.4 Laboratory Methods

Analytical methods for parameters measured at Exova and ALS are provided in Appendix A of the compendium report, and available laboratory certificates of analysis are provided in Appendix C of the compendium report. Laboratory quotes for 2009-2011 were determined through BIMC and are not included.



2.2.5 Field Quality Assurance/Quality Control

Field QA/QC procedures included standard precautions to avoid sample contamination (e.g. gloves were worn during sample collection and handling), use of standard sampling protocols and inclusion of QA/QC samples. Lake-specific QA/QC samples were not collected in 2006, as the lake water quality sampling and stream water sampling programs were combined; all QA/QC samples were collected at stream sampling locations.

QA/QC sample descriptions and collection frequencies are summarized below:

- Field Blanks were prepared in the field using deionized water. These samples were treated
 in the same manner as actual samples. The field blanks were field filtered and preserved
 using the same methodology as for actual water sample collection. In 2007, 2008 and
 2011 a minimum of one field blank was submitted to the analytical laboratories during each
 sampling period.
- Replicate samples were collected at several locations as close in time as possible to other samples taken at these locations. In 2007, 2008 and 2011, a minimum of two triplicate samples were collected during each sampling period: one triplicate near the surface; and one triplicate near the bottom.
- Trip blanks were included whenever possible given weather and shipping constraints. These
 blanks were prepared by the analytical laboratory by filling one set of sample bottles with
 deionized water. Trip blanks were transported to the site with the empty sample bottles but
 were left unopened, and were then submitted for analysis along with the field samples.

QA/QC samples were analyzed for the same parameters as the actual samples.

Field meters were calibrated prior to departure and/or in the field, depending on the specifications of the instrument and the parameter being measured. Meters were also subject to regular verifications during the field program using distilled or deionized water and standards for turbidity, conductivity and pH.

2.2.6 Analytical QA/QC

QA/QC water quality samples (i.e. triplicate samples, field blanks and trip blanks) were assessed according to standard criteria to evaluate precision and identify potential sample contamination issues (i.e. BCMELP 1998). Lake-specific QA/QC samples were not collected in 2006, as the lake water quality sampling and stream water sampling programs were combined (all QA/QC samples were collected at stream sampling locations). In 2007, 2008 and 2011, the lake water quality sampling was completed as a separate program from the stream sampling, and therefore lake-specific QA/QC sampling was completed also.

Field blank results were also evaluated for evidence of sample contamination. Values for any parameter that exceeded five times the MDL were considered to be indicative of sample contamination and/or laboratory error.



Additionally, water quality data from 2005-2007 were evaluated qualitatively for potential outliers and transcription or analytical errors. Where values were encountered that departed considerably from results obtained at the same site during other sampling periods and/or where one replicate sample differed notably from the others, the measurement was flagged as suspect. In these instances, values were verified against analytical laboratory reports for transcription errors and/or requests were made to the analytical laboratory to verify the values through sample re-analysis and/or verification of reporting accuracy. In 2008, this form of data evaluation was commenced, but due to an extended stoppage of work, analytical checks were no longer possible due to sample holding times being exceeded.

The analytical laboratories are CALA certified facilities and adhere to routine laboratory QA/QC procedures.

2.2.7 Analysis of Results

Summary statistics for each lake were generated from the 2006 to 2011 data, including mean, standard deviation and percent detectable results (above MDL). A lake-wide mean only was calculated for sample locations with two or less samples collected. Measurements below the MDL were assigned a value at the detection limit for statistical analysis purposes. Lake-wide means were calculated as the mean of both top and bottom samples where 50% or more of the results were detectable.

Water quality data were compared to the Receiving Water Quality Guidelines in 2011. These guidelines consist mainly of the most current CCME water quality guidelines for the protection of aquatic life (PAL; updated in 2011). These guidelines also consist of one or more values from project-specific criteria calculated by KPL and were taken from the following guides:

- "A Compendium of Working Water Quality Guidelines for British Columbia", BC MOE, Updated August 2006
- Ontario Regulation 560/94 "Effluent Monitoring and Effluent Limits Metal Mining Sector", 2007

2.3 <u>SEDIMENT QUALITY</u>

2.3.1 Sampling Locations and Seasons

Sediment sampling was generally undertaken during the fall (August/September). Winter (May) samples were also collected in 2007 and 2008. Sample locations were modified each year based on current and proposed Project activities and were dependent on factors such as accessibility, weather/ice conditions and wildlife sightings. In general, sampling areas in each year are described as follows:



Year	General Sediment Sampling Areas
2005	Mine Site (includes Mining Area, Mine Infrastructure Area and Exploration Facilities
	Area), Mary Lake and vicinity
2006	Mine Site (includes Mining Area, Mine Infrastructure Area and Exploration Facilities
	Area), Mary Lake and vicinity
2007	Mine Site (includes Mining Area, Mine Infrastructure Area and Exploration Facilities
	Area), Mary Lake and vicinity
2008	Mine Site (includes Mining Area, Mine Infrastructure Area, Exploration Facilities Area),
	Mary Lake and vicinity
	Steensby Port and surrounding area (includes Steensby Port area lakes and streams)
2011	Mine Site
	Steensby Port and surrounding area
	Mid-Rail area

Sampling sites varied between the ice-cover and open-water season programs in part due to conditions encountered in the winter (i.e., some sites were frozen to the bottom and could not be sampled). Table 2.5 lists all sediment sampling locations from 2005-2011.

2.3.2 Parameters

Analyzed sediment quality parameters included nutrients, metals, major ions and particle size. A detailed list of parameters is provided in Appendix A of the compendium report. The 2011 laboratory quotes have not been included in this Appendix, as correspondence with the laboratory was done by BIMC. Physical characteristics of the stream were also recorded, such as approximate width, depth, flow rate, amount of riparian vegetation, etc.

UTM coordinates, a site description (i.e. water depth, ice depth) and observations of sediment odour and appearance (texture, colour) were collected at each site.

2.3.3 Sampling Methods

Different sampling methods were employed for lake and stream sediment sampling. In each case the sediment fraction was collected from the top 5 cm of the benthos layer. This was done to facilitate comparison to the CCME Canadian Sediment Quality Guidelines (CSQG; 1999, updated to 2010) and because analysis of this fraction would more than likely detect a post-Project effect than a deeper sample. Available field record sheets are included in Appendix B of the compendium report.



2.3.3.1 Lake Sediment Sampling

Lake sediment samples were collected with an Ekman sampler (225 cm²) in August 2006 and May 2007 and with a Petit Ponar grab sampler (225 cm²) in the fall of 2007, 2008 and 2011. The samplers were slowly lowered and raised (at ~0.3 m/s for North/South and ~0.5 m/s for KPL) to minimize turbulence and to prevent creation of shock waves. In 2006, the contents of the Eckman were visually assessed through the top of the device; for more consolidated sediments the contents of the Eckman were released into a plastic pan. If not consolidated, the sample was obtained by reaching in through the top of the Eckman. For all other years, once retrieved, the sampler was placed in a plastic pan, the water was gently poured or siphoned off and, if the grab met the conditions of acceptability, the sample was processed. The grab samples collected by North/South had to meet the following criteria of acceptability:

- Overlying water was either clear (if present) or not excessively turbid
- The sediment-water interface was intact without signs of channelling, sample washout or over-penetration
- Desired depth of penetration was achieved (minimum penetration depth of 6 to 8 cm)
- There was no evidence of incomplete closure of the device or that the sampler was inserted on an angle or tilted upon retrieval

Sub-samples were then collected either from within the sampler (where sediments were not consolidated) or after the sampler had been removed from the pan. The upper 5 cm of sediments were removed with a stainless steel spatula or a graduated corer, avoiding the edges of the sampler. Sub-samples were then placed in a glass bowl for compositing, where required, and the un-used sediments were placed in a bucket to be released after the sampling was completed.

In May 2007, only one grab sample was collected per site. In the open-water seasons of 2007, 2008 and 2011, a minimum of one to two grab samples were collected to provide sufficient sample for analysis. Where more than one grab sample was collected, samples were separated spatially, but as close together as feasible to ensure that sampling disturbances from one grab sample did not affect another sample. Replicate grab samples were homogenized.

2.3.3.2 Stream Sediment Sampling

In streams (including rivers), sediments were collected from up to 14 different micro-sites within the sampling area, until sufficient sample was collected to fill the required sample containers. Stream sediment samples were collected from within the wetted perimeter of the watercourse, usually in water from 10 to 40 cm deep and as near as possible to the established water quality sample location. Samples were collected by wading in an upstream direction, collecting sediments from the surface



of the stream bed in run and riffle areas at micro-sites where sufficient fines (particles <2 mm diameter) had accumulated. Care was taken to minimize the disturbance of the stream bottom in order to preserve site integrity for subsequent sampling for benthic invertebrates.

Sediments were collected using a clean, 500 mL sample jar. The jar was inserted approximately 5 to 10 cm into the bottom sediments and a stainless steel spatula or a clean gloved hand was inserted under the opening of the jar to trap the sediments. The jar was then slowly raised out of the stream, excess water was carefully decanted, and the upper 5 cm of sediments was extruded into a stainless steel bowl for compositing.

As soon as possible after collection, samples were stored on ice and in coolers. All samples were submitted for testing to Exova.

2.3.4 <u>Laboratory Methods</u>

Analytical methods for parameters measured at Exova are provided in Appendix A of the compendium report.

2.3.5 Field Quality Assurance/Quality Control

Standard QA/QC procedures were adhered to during the collection of sediment samples (i.e. wearing gloves) and samples were analyzed at an accredited analytical laboratory. In particular, equipment was thoroughly cleaned between sites and was rinsed with ambient water prior to sampling at each site. Triplicate samples were collected at eight sampling sites in 2007 and two sampling sites in 2008 to provide a measure of variability and precision. In addition to the triplicate samples, homogenate duplicates were collected at two sampling sites in 2008.

2.3.6 Data Analysis

2.3.6.1 <u>Analytical Quality Assurance/Quality Control</u>

QA/QC sediment quality samples (i.e. triplicate and homogenate duplicate) were assessed according to standard criteria to evaluate precision and identify potential sample contamination issues (BCMELP 1998).

Generally, all sediment quality data were evaluated qualitatively for potential outliers and transcription or analytical errors. Where values were encountered that departed considerably from results obtained at the same site during other sampling periods and/or where one replicate sample differed notably from the others, the measurement was flagged as suspect. In these instances, values were verified against analytical laboratory reports for transcription errors and/or requests were made to the analytical laboratory to verify the values through sample re-analysis and/or verification of reporting accuracy.



The analytical laboratory is a CALA certified facility and adheres to routine laboratory QA/QC procedures.

2.3.6.2 Analysis of Results

Means were derived for the purposes of presentation and discussion of results. Any value below an MDL was assigned a value equal to the detection limits for data analysis purposes.

Sediment quality data were compared to the CCME Canadian Sediment Quality Guidelines (CCME 1999, updated to 2011) and to the Ontario Sediment Quality Guidelines (OSQG; MOE 1993) for parameters for which there are no CCME sediment quality guidelines. The CCME CSQG for sediment includes a lower level, the Interim Sediment Quality Guidelines (ISQG), and an upper level, the Potable Effect Level (PEL), while the OSQG include Lowest Effect Levels (LEL) and Severe Effect Levels (SEL). The ISQG are currently under development with the intent to derive the guidelines based on multiple approaches.

In addition, The ISQG are currently only based on a modification of the National Status and Trends Program (modified NSTP) approach and only cover select parameters. In the future, the ISQG will also consider the Spiked-Sediment Toxicity Test (SSTT) approach. It is recommended by the CCME that the ISQG be used in conjunction with other supporting information (i.e. the OSQG) and that this set of guidelines be treated as full sediment quality guidelines. In consideration of this recommendation, the OSQG LEL and SEL have been used to support the CCME ISQG. Results over the ISQG, PEL, LEL and SEL guidelines were bolded and highlighted in different colour coding in the summary tables and noted in the relevant QA/QC section.



SECTION 3.0 - RESULTS

3.1 STREAM WATER QUALITY

The in situ and analytical data summary statistics for water quality samples for 2005 through 2011 are provided in Tables 3.1 to 3.6. The stream water quality data were evaluated according to the Receiving Water Quality Objectives. The available site-specific analytical and in situ data for stream water quality sampling locations between 2005 and 2011 are provided in Appendix D of the compendium report.

The following sections summarize the stream water quality for each key Project area. For areas where no sampling has been completed since 2008, the analysis was taken from the report "Surface Water and Sediment Quality Baseline Report", Ref. No. NB102-00181/25-2, October 29, 2010. Areas sampled in 2009-2011 were compared to the Receiving Water Quality Guidelines, and no CCME Water Quality Index was calculated. Areas that have not been sampled since 2008 were not updated to the newer guidelines (see Appendix D).

It should be noted that for some parameters, MDLs were previously at or above the respective guidelines. Because of this, the mean concentrations for certain areas are above the guidelines, inaccurately indicating that the average concentration is in exceedance. The MDLs for these parameters were lowered to values below the guidelines in recent years to allow for accurate comparisons.

3.1.1 Mine Site

3.1.1.1 Tom River Area

The Tom River Area is situated in a separate watershed and therefore is considered to provide background water quality information compared to all other areas within the Mine Site because no impact from activities within the Mine Site will affect the area. It was sampled between 2005 and 2008, and was not part of the 2009-2011 sampling programs.

Water temperatures for the Tom River Area sites ranged from -0.10 to 13.6°C. Specific conductance (SpC) values ranged from 0.042 to 0.212 mS/cm. Values for pH were neutral to slightly alkaline, ranging from 6.90 to 8.90.

DO concentrations were greater than CCME guidelines and averaged 12.77 mg/L.

Alkalinity and hardness were similar in value and ranged from 23 to 106 mg/L as CaCO₃ and 22.0 to 118.0 mg/L as CaCO₃, respectively. Total Dissolved Solids (TDS) concentrations ranged from 31 to ma/L. Total Suspended Solids (TSS) concentrations were all relatively low, being below the MDL of 2 to 3 mg/L. Sulphate, bromide, chloride, most nitrogen based compounds, phenols, total organic carbon (TOC), dissolved organic carbon (DOC) and total Kjeldhal nitrogen (TKN) were generally detected in low concentrations. The MDL for



some analyses completed in 2006 were above the current CCME guideline of 0.06 mg/L. Concentrations of nitrate ranged from below the MDL to 0.10 mg/L.

Values for turbidity ranged from 0.1 to 18.4 NTU with an average of 2.0 NTU.

Sample sites I0-01 and I0-04 for June 2007 both had total aluminum concentrations above the CCME guidelines (0.125 and 0.116 mg/L, respectively). The concentrations of all other measured parameters were less than their respective CCME guidelines.

No exceedances were identified when the data was compared to the Canadian Drinking Water Quality Guidelines.

3.1.1.2 Upstream of Deposits

Data from the sites upstream of the deposits were evaluated using the Receiving Water Quality Guidelines (see Appendix D). The sampling locations included in this area are G0-09, G6-01, H0-01, H1-01 and H2-01. The only site sampled since 2008 was G0-09, so any changes in the statistical analysis are based on this sampling location. G0-09 was also a weekly sampling site in previous years.

Water temperatures for the sites upstream of the deposits ranged from -0.1 to 14.9°C. Values for in situ specific conductance ranged from 0.011 to 0.218 mS/cm. In situ pH ranged from 6.72 to 8.34, suggesting generally neutral to slightly alkaline surface water.

Concentrations of aluminum, copper, iron and one concentration of lead were noted above the RQWG in previous years, with mean concentrations of 0.22 mg/L, 0.00112 mg/L, 0.21 mg/L and 0.00025 mg/L, respectively. Sample location G0-09 had no concentrations above the guidelines in 2009 or 2010. As this area was upstream of the deposits, it is likely that natural elevation of these parameters occurs in this area.

3.1.1.3 Downstream of Deposits

The sampling locations included in this area include C0-01, C0-05, C0-10, E0-01, E0-03, E0-04, E3-01, E4-01, E0-10, E0-11, E0-12, E0-20, E0-21, E3-02, E3-03, F0-01, G0-01, G0-03, G0-05, G0-10, G3-01 and G0-07.

Water temperatures ranged from -0.1 to 17.1°C. In situ specific conductance ranged from 0.007 to 8.253 mS/cm. In situ pH ranged from 6.14 to 8.64, indicating a range of slightly acidic to slightly alkaline water.

Several concentrations of DO were above CCME guidelines and ranged from 2.1 to 24 mg/L, with a mean concentration of 12.74 mg/L.



Sample location E3-01 has historically exceeded the guidelines for most parameters; the reason for this is likely due to drilling. Because of the large number of exceedances, E3-01 was separated out from the other sites located downstream of the deposits.

For all other sample locations downstream of the deposits, aluminum and iron concentrations were generally above the RWQG for most sites. Other parameters for which at least one exceedance was noted are copper, pH (both lab and in situ) chloride, cadmium, vanadium, dissolved oxygen, selenium, chromium and silver.

In situ pH ranged from 6.14 to 8.64, with a mean of 7.81, indicating slightly alkaline to slightly acidic conditions. Specific conductance ranged from 0.007 to 8.253 mS/cm, with the highest values being noted for E3-01. Aluminum concentrations ranged from below the respective MDL to 7 mg/L, with a mean concentration of 0.201 mg/L. Iron concentrations ranged from below the respective MDL to 6.09 mg/L, with a mean concentration of 0.2 mg/L.

3.1.1.4 Mary River – Downstream of Mary Lake

This area includes sample locations A0-01 and A0-10. Neither of these locations was sampled in 2011, thus the water quality from these sites was evaluated according to the CCME guidelines (up to 2008). The data analysis has been taken from the "Surface Water and Sediment Quality Baseline Report", Ref. No. NB102-00181/25-2.

Water temperatures ranged from -0.1 to 11.7°C. Values for SpC ranged from 0.040 to 0.178 mS/cm. The pH for the sites on Mary River, downstream of Mary Lake, varied between neutral and slightly alkaline (6.60 to 8.28) with an average pH value of 7.55.

All concentrations of DO were above CCME guidelines and ranged from 9.97 to $14.75 \ \text{mg/L}.$

Alkalinity and hardness were similar and ranged from 20 to 68 mg/L as $CaCO_3$ and from below the MDL to 72.7 mg/L as $CaCO_3$, respectively. Turbidity ranged from 0.3 to 2.7 NTU. Concentrations of TSS ranged from below the MDL of 2 to 9 mg/L with 95% of the results being below the MDL. Concentrations of TDS ranged from below the MDL to 77 mg/L with an average concentration of 44 mg/L. Sulphate, bromide, chloride, nutrients, phenols, TOC and DOC were generally all low and/or below their respective MDLs.

Aluminum, copper, iron, lead and silver had concentrations above CCME guidelines. The aluminum concentrations above the CCME guidelines were 0.102 and 0.360 mg/L. One copper concentration (site A0-10 in June 2006) was at the



CCME guideline of 0.004 mg/L. The lead concentration (site A0-10 in June 2006) above the CCME guideline was 0.008 mg/L. The silver concentration (site A0-10 in June 2006) above the CCME guideline was 0.0006 mg/L.

When compared to the Canadian Drinking Water Quality Guidelines, the only concentration above the CDWQG was at A0-10, with an iron concentration exceeding the guideline limit in 2007.

3.1.1.5 Tributary of Mary Lake

At the request of North/South, a tributary (B3-01) flowing into Mary Lake from the west was sampled once in 2008. When reviewed, it was found that none of the parameters exceeded the CCME guidelines or the Canadian Drinking Water Quality Guidelines. Statistics were not calculated on data from this site, as only a single sample was collected by KPL.

3.1.1.6 Tributaries of Sheardown Lake

The sampling locations in this area include D0-01, D1-00, D1-01, D1-03, D1-05, D1-07, D1-10, SDLT-1-US, SDLT-R1, SDLT-R4, SDLT-9, SDLT-12-US and D-Streams 1-6. All sites, with the exception of D-Stream samples 1-6, were sampled in 2011.

Upon comparison to the RWQG, copper and cadmium concentrations were generally above the guidelines for several sites. There was at least one exceedance for aluminum, iron and DO. It should be noted that the D-Stream sample locations only had two DO exceedances – no other parameters were above the CCME guidelines.

In situ pH ranged from 6.78 to 8.44, with a mean value of 7.75, indicating neutral to slightly alkaline water in the area. Specific conductance ranged from 0.02 to 0.29 mS/cm, with a mean of 0.15 mS/cm. Copper concentrations ranged from below the respective MDL to 0.0070 mg/L, with a mean concentration of 0.0020 mg/L, which is equal to the guideline. Cadmium concentrations ranged from below the respective MDL to 0.00012 mg/L which is above the guideline of 0.000029 mg/L.

3.1.1.7 Background Tributary to Mary River

Sample locations in this area include E2-03, E2-05, E2-08 and E2-01. None of these sites were sampled in 2011, with E2-03, E2-05 and E2-08 being sampled in 2005 only and E2-01 being sampled up to 2008. The data analysis has been taken from the "Surface Water and Sediment Quality Baseline Report", Ref. No. NB102-00181/25-2.

Water temperatures for the Background Tributary to Mary River ranged from 0.3 to 15.3°C. Values for SpC ranged from 0.016 to 0.149 mS/cm. Surface water at the



Background Tributary to Mary River sites were near neutral to slightly alkaline with pH values ranging between 6.27 to 8.18, with an average of 7.65.

Several concentrations of DO were outside the CCME guidelines and ranged from 8.87 to 15.61 mg/L.

Alkalinity and hardness concentrations were similar with concentrations ranging from 6 to 84 mg/L as CaCO₃ and 7.9 to 94.7 mg/L as CaCO₃, respectively. Concentrations of TSS were generally low for all of the sites and ranged from below the MDL to 4 mg/L with 83% of the results being below the MDL. Concentrations of TDS ranged from 34 to 112 mg/L with an average of 64 mg/L. Sulphate, bromide, chloride, nutrients, phenols, TOC and DOC concentrations were all generally low with several of these parameters below the MDLs.

3.1.1.8 Tributaries of Camp Lake

Sample locations in this area include J0-01, J1-01, J2-01, K0-01, L0-01 and M0-01. None of these sites were sampled in 2009-2011.

Sample sites K0-01, L0-01 and M0-01 all had a minimum of one aluminum exceedance when compared to the CCME guidelines (2008). Other exceedances noted in situ DO, pH, ammonia, iron, copper and lead, but in most cases there was only one exceedance. Sites J0-01, J1-01 and J2-01 did not have any parameters above the CCME guidelines.

In situ pH values ranged from 4.94 to 8.71 with a mean of 7.87; it is likely that the 4.94 is erroneous as the remaining pH values range between 7 and 8.5. Specific conductance values ranged from 0 to 0.25 mS/cm, with a mean of 0.13 mS/cm.

Aluminum concentrations ranged from below the respective MDL to 0.189 mg/L, with a mean concentration of 0.02 mg/L.

3.1.1.9 <u>Drainages off of the Deposit</u>

Sample locations in this area include E3-08, K0-05, K1-01, L1-02, L1-06, L1-08, L1-09, L2-03 and F0-05, with E3-08, L1-08, L1-09 and L2-03 being sampled in 2011.

In situ pH ranged from 6.27 to 8.33 with a mean value of 7.71, indicating slightly acidic to slightly alkaline water in the area. Specific conductance ranged from 0.016 to 0.92 mS/cm. Very few parameters had concentrations above the respective RWQG or CCME, depending on the years sampled, and in most cases there was only one exceedance for a parameter at a site. Three of the sites did have aluminum concentrations above the respective guidelines. Other parameters included chromium, copper, iron, lead and vanadium, all of which were elevated at E3-08 in the summer of 2011. Elevated parameters at other sites included barium,



copper, iron and chloride. Aluminum ranged from below the respective MDL to 2.53 mg/L, with a mean concentration of 0.118 mg/L. Hardness concentrations ranged from 8 to 1,204 mg/L as $CaCO_3$.

3.1.2 Proposed Railway and Steensby Port Area

In general, the Proposed Railway and Steensby Port Area sites were chosen based on potential transportation routes. Other sites within these areas were chosen based on other requirements of the Project for any given period. The areas consist of the following sub-areas: Cockburn Area, Ravn River - Upstream of Angajurjualuk Lake, Rowley River, Steensby Port Area, Mid-Rail Camp Area and Sampling Locations between Camp Lake and Steensby Port. The following is a summary of water quality within the area. Figure 1.3 shows all locations sampled between 2005 and 2011.

3.1.2.1 Cockburn Area

Data from the sites in the Cockburn area were evaluated using the Receiving Water Quality Guidelines (see Appendix D). The sites included in this area are S1-100, S2-065 and S2-070.

In-situ pH measurements ranged from 5.88 to 7.55 indicating slightly acidic to neutral water in the area. The mean pH of 6.57 is slightly above the RWQG lower limit of 6.5. This limit is also the CCME PAL lower limit. Specific conductance ranged from 0.01 to 0.02 mS/cm.

Chloride concentrations range between 1 and 3 mg/L with a mean concentration of 1.14 mg/L. This is well below the RWQG (and CCME PAL) guideline of 120 mg/L. Alkalinity, bromide, nutrients, phenols, sulphate, TKN, TOC, DOC and TSS concentrations were all generally low with several of these parameters below the MDLs.

All three sites did have aluminum concentrations above the respective guidelines. Aluminum ranged from above the respective MDL to 0.204 mg/L, with a mean concentration of 0.049 mg/L.

3.1.2.2 Ravn River - Upstream of Angajurjualuk Lake

This area includes sample location S2-030 only.

In situ pH ranged from 6.43 to 8.50 with a mean value of 7.19, indicating neutral to slightly alkaline water in the area. Specific conductance ranged from 0.01 to 0.04 mS/cm. Hardness concentrations ranged from 3 to 18 mg/L as CaCO₃.



Aluminum concentrations ranged from 0.014 mg/L to 0.153 mg/L. Two aluminum concentrations were above the respective RWQG or CCME, 0.118 mg/L in September 2006 and 0.153 mg/L in August 2008.

Concentrations of antimony, arsenic, beryllium, bismuth, boron, cadmium, chromium, cobalt, lithium, mercury, selenium, silver, thallium, tin and vanadium were all below the MDLs.

3.1.2.3 Rowley River

This area includes sample location S2-100 only.

In situ pH values ranged from 6.14 to 8.48 with a mean value of 7.26, indicating slightly acidic to slightly alkaline water in the area. Specific conductance values ranged from 0.01 to 0.03 mS/cm, with a mean of 0.02 mS/cm. Hardness concentrations ranged from 4 to 9.1 mg/L as CaCO₃.

Aluminum concentrations ranged from 0.012 mg/L to 0.148 mg/L. Forty-three percent (43%) of the aluminum concentrations in this area were above the respective RWQG or CCME, 0.126 mg/L in June 2007, 0.148 mg/L in July 2008 and 0.0283 mg/L in August 2008.

3.1.2.4 Steensby Port Area

Sample locations in this area include S-Camp-DS, SL3-OUT (km 10 Lake) and km 3 Lake. The lake at km 3 is a historic site that was sampled in 2008.

In situ pH values ranged from 6.36 to 7.28 with a mean of 6.91, which indicates that the water is slightly acidic. Specific conductance values ranged from 0.011 to 0.292 mS/cm, with a mean of 0.10 mS/cm. Hardness ranged from 3.7 to 341.0 mg/L as $CaCO_3$.

Sample sites km 3 Lake and S-Camp-DS were both above the respective guidelines for copper in 2008. Other exceedances noted for S-Camp-DS were DO, chloride, aluminum and iron for km 3 Lake. SL3-Out had one exceedance in cadmium in July 2011 and km 3 Lake also had an exceedance for iron.

3.1.2.5 Mid-Rail Camp Area

Sample locations in this area include Nivek Out, Nivek In and MRC.

In situ pH values ranged from 5.57 to 6.39, indicating slightly acidic water in the area. The mean value of 6.09 is slightly below the RWQG lower limit of 6.5. This limit is also the CCME PAL lower limit. Specific conductance values ranged



from 0.012 to 0.02 mS/cm, with a mean of 0.02 mS/cm. Hardness concentrations ranged from 3.5 to 12.9 mg/L as $CaCO_3$.

Aluminum concentrations ranged from 0.008 to 0.2 mg/L with a mean concentration of 0.059 mg/L. Nivek Out site had elevated aluminum concentrations of 0.0143mg/L in June 2008, 0.0091 mg/L in July 2008 and 0.1530 mg/L in August 2008. Nivek In site had elevated aluminum concentrations of 0.0483 mg/L in June 2008 and 0.0549 mg/L in August 2008. MRC had one elevated concentration of 0.2mg/L in August 2011.

Both Nivek Out and MRC sites had elevated iron concentrations. Iron concentrations ranged from 0.13 mg/L to 0.98 mg/L with a mean value of 0.36 mg/L, which is above the respective RWQG of 0.30 mg/L.

3.1.2.6 Camp Lake to Steensby Port

Sample locations in this area include S1-010, S1-011, S1-020, S1-030, S1-040, S1-050, S1-060, S1-070, S1-080, S1-090, S1-110, S1-120, S2-010, S2-020, S2-040, S2-050, S2-060 and S2-120.

Seven of the sample locations within this area were sampled in 2011 (see Figure 1.2). The majority of these sample locations, both historical and recent, had elevated aluminum levels and had pH (in situ and laboratory) values below the minimum of 6.5 during at least one sampling event. Aluminum concentrations ranged from 0.004 and 0.412 mg/L. Elevated iron concentrations were noted at two locations. No other parameters were outside the guidelines.

3.1.3 Mine Site to Milne Port

The Mine Site to Milne Port area consists of the following sub-areas: Milne Port Camp and the area between Camp Lake and Milne Port. Sample locations are shown on Figure 1.2. The following is a summary of water quality within each area.

3.1.3.1 Milne Port Area

Data from the sites in the Milne Port area were evaluated using the Receiving Water Quality Guidelines (see Appendix D). The only site included in this area is M-Camp-DS.

In-situ pH measurements ranged from 7.70 to 8.79; indicating slightly alkaline to neutral water in the area. Specific conductance ranged from 1.29 to 2.23 mS/cm. Hardness values ranged from 62.9 to 754 mg/L as $CaCO_3$, with the mean value of 411 mg/L as $CaCO_3$. Additional comments on the data are as follows:



- Aluminum concentrations ranged from below the respective MDL to 7 mg/L, with a mean concentration of 0.201 mg/L
- Iron concentrations ranged from below the respective MDL to 6.09 mg/L, with a mean concentration of 0.2 mg/L
- All samples had chloride concentrations above RWQO guideline of 120 mg/L.
 Chloride concentration ranged from 317 to 581 mg/L, with a mean value of 471 mg/L
- A limited number of samples from M-Camp-DS also had elevated concentrations of NO₂ aluminum, copper and iron
- NO₂ concentrations ranged from the MDL to 0.17 mg/L, with a mean value of 0.10 mg/L. The RWQO guideline for NO₂ is 0.06 mg/L
- Aluminum concentrations ranged from 0.014 mg/L to 0.717 mg/L, with a mean value of 0.181 mg/L. The RWQO guideline for aluminum is 0.1 mg/L when the pH is greater than 6.5.
- Copper concentrations ranged from 0.0008 to 0.0028 mg/L, with a mean value of 0.0020 mg/L. The RWQO guideline for copper is 0.002 mg/L.
- Iron concentrations ranged from the MDL to 0.71 mg/L, with a mean value of 0.19 mg/L. The RWQO guideline for iron is 0.3 mg/L.

3.1.3.2 Mine Site to Milne Port

The area between the Mine Site and Milne Port includes N1-010, N1-020, N1-025, N1-030, N1-040, N1-050, N1-053, N1-058, N1-060, N1-070, N1-080, N1-090, N1-100, N1-110, N2-010, N2-013, N2-020, N2-030 and N2-060. Six (6) out of the nineteen (19) sites in the area had elevated aluminum concentrations according to the RWQO guideline. These six (6) sites include N1-025, N1-030, N1-110, N2-013, N2-020 and N2-060. Between these nineteen (19) sites, the aluminum concentration ranged from 0.003 to 9.8 mg/L, with a mean value of 0.169 mg/L.

3.1.4 QA/QC

There were instances between 2005 and 2011 where holding times for some parameters (mainly turbidity, NO₂, NO₃ and NO₂+NO₃) were exceeded due to unforeseen circumstances (i.e., weather preventing shipping of samples from site). A summary of samples exceeding the recommended holding times is provided in Appendix E of the compendium report. KPL did not complete the 2009 or 2010 sampling and therefore any results from potential holding time exceedances have not been included in this report.

In situ DO data in 2006 had many suspect values, all of which are summarized in Appendix E of the compendium report. These suspect values were removed from the summary statistics and raw data sets. The data were flagged as suspect if DO concentrations were below a concentration of 9.50 mg/L for fast flowing cold waters, as DO concentrations below this value are not likely to naturally occur under these conditions. If one data set on a given date was considered suspect, all of the data sets for that date were also suspect, despite the fact that they



may have had values that met the previously mentioned restrictions. In 2007, 2008 and 2011, in situ DO readings below 9.5 mg/L were left in, but were bolded to flag them.

The 2005 QA/QC program consisted of field blank, filter blank and equipment blank samples. The analysis results indicated that there were few values that exceeded the data quality objectives, with conductivity, total ammonia, turbidity, total aluminum, total tin and dissolved zinc being the only exceptions. In 2006, blank sample results exceeding the data quality objectives included total ammonia, turbidity, total and dissolved calcium, total and dissolved potassium, total and dissolved sodium and total and dissolved copper. The values for total ammonia and turbidity appeared to be random and were not likely a reflection of the data quality. The continuous data quality objective exceedances noted for total and dissolved calcium, total and dissolved potassium, total and dissolved sodium and total and dissolved copper were likely a result of contaminated deionized water and therefore were not a reflection of the overall quality of the data or the field or laboratory techniques. In 2007, blank sample results exceeding the data quality objectives included sulphate, conductivity, hardness, calcium, magnesium, sodium, potassium and copper.

A total of 43 duplicate samples were submitted for analysis in 2005 and 2006. Of these 43 sets of samples, only 12 pairs of parameters had measured concentrations that were greater than 25% of the Relative Percent Difference (RPD). In 2007, a total of 32 duplicate samples were submitted for analysis. Throughout the season there were 30 pairs of parameters which failed to meet the duplicate sample data quality objectives. Where results were questionable, a re-analysis was performed by the laboratory and the initial results were confirmed. In this case, concentrations with an RPD greater than 25% were bolded and noted in the text.

The 2008 QA/QC program consisted of field blanks and duplicate sampling. Several of the duplicate samples exceeded the convention of "five times the MDL". The following parameters were exceeded: alkalinity, conductivity, ammonia and ammonium, pH, TDS, total phosphorus, turbidity, hardness, total and dissolved calcium, total and dissolved magnesium, total and dissolved potassium, total and dissolved sodium, total and dissolved aluminum, total and dissolved barium, total and dissolved copper, total iron, total lead, total and dissolved manganese, total and dissolved molybdenum, total and dissolved nickel, total and dissolved silicon, total and dissolved strontium and total and dissolved zinc.

The precision of the duplicate samples was within the criteria of 25% for the RPD with 19 exceptions. Dissolved sodium and dissolved aluminum in duplicate samples collected from Downstream of Deposits exceeded the criteria (23.4 and 22.2%, respectively). Total aluminum, total copper, total iron, total manganese and total silicon in samples collected from Tributaries of Sheardown Lake exceeded the criteria (57.9, 27.2, 44.9, 57.9 and 30.2%, respectively). Total aluminum and total manganese in samples collected from Tributaries of Camp Lake exceeded the criteria (31.8 and 20.4%, respectively). Turbidity and total and dissolved aluminum in samples collected upstream of the deposits exceeded the criteria (35.3, 21.8 and 25.8%, respectively). TSS, total phosphorus and turbidity in samples from drainages off the Deposit exceeded the criteria (20.8, 22.9 and 25.3%, respectively). When samples exceeded five times the MDL, the values were bolded and noted in the text.



Field and trip blanks were collected in 2011; elevated concentrations of chlorophyll-a, chloride, conductivity and TDS were noted for field blanks; all of these elevated parameters, with the exception of the chlorophyll-a concentration, were from a specific blank. One trip blank also had an elevated ammonia concentration. It is possible that the deionized water used for those samples was contaminated, or that improvements can be made with regards to sampling.

Eleven duplicate samples were collected in 2011. Of these samples, only four pairs of parameters had an RPD of greater than 25%. Three of the parameter pairs were from the same set of samples. It is possible that these differences are a result of natural variability in the water, but it is always beneficial for sampling protocols to be reviewed and improved upon if necessary.

A summary of all QA/QC results for 2005-2011 is located in Appendix E.

3.2 LAKE WATER QUALITY

Lake samples were collected from the following locations between 2005 and 2011:

- Mary Lake, shallow and deep sites
- Camp Lake, shallow and deep sites
- Sheardown Lake, including shallow sites in the northwest and southeast basins and miscellaneous near shore sites
- Mid-Rail Camp Lake
- Steensby area lakes
- Lakes near Milne Inlet
- A candidate reference lake

Site-specific analytical and in situ data for lake water quality sampling locations are provided on Table 3.7 and in Appendix D of the compendium report.

The average water temperatures of the lake samples range from 3.7 to 16.4°C, while average values for SpC range from 0.013 to 0.21 mS/cm. Average concentrations of DO range from 0.12 to 19.57 mg/L and some results are reported to be below the CCME guidelines.

Average values for in situ pH exceeded the CCME guidelines during several sampling programs and range from 5.9 to 8.1, which indicates that the lake water in this area is slightly acidic to slightly alkaline.

Average alkalinity and hardness concentrations were found to be similar and range from 5 to 85 mg/L as CaCO₃ and from 6 to 89 mg/L as CaCO₃, respectively, while average turbidity values range from 0.3 to 3.7 NTU. Average TDS concentrations range from 13.0 to 206 mg/L and were either measured directly in the lab or calculated by lab personnel. The majority of the reported TDS concentrations were calculated and not measured directly. Average TSS concentrations range from 2.0 to 4.1 mg/L.



There are several parameters that were reported to be above the CCME guidelines. These include the following:

- Mary Lake: Nitrite (average of 0.10 mg/L), aluminum (average of 0.053 mg/L), cadmium (average of 0.000034 mg/L) and copper (average of 0.0032 mg/L)
- Camp Lake: Phenols (average of 0.001 mg/L), cadmium (average of 0.000023 mg/L) and copper (average of 0.0021 mg/L)
- Sheardown Lake, northwest basin: Aluminum (average of 0.016 mg/L), copper (average of 0.001 mg/L) and iron (average of 0.04 mg/L)
- Sheardown Lake, southeast basin: Aluminum (average of 0.057 mg/L) and copper (average of 0.0011 mg/L)
- Sheardown Lake, nearshore: Aluminum (average of 0.197 mg/L) and copper (average of 0.0011 mg/L)
- Steensby Area, Lake ST6: Aluminum (average of 0.107 mg/L)
- Steensby Area, Lake ST28: Aluminum (average of 0.026 mg/L)
- Steensby Area, Lake ST92: Aluminum (average of 0.039 mg/L)
- Steensby Area, 3 km Lake: Aluminum (average of 0.028 mg/L)
- Steensby Area, Lake ST81: Aluminum (average of 0.147 mg/L) and iron (average of 0.538 mg/L)
- Steensby Area, Lake ST29: Aluminum (average of 0.034 mg/L)
- Steensby Area, Lake ST32: Aluminum (average of 0.0374 mg/L) and phenols (average of 0.006 mg/L)
- Steensby Area, 10 km Lake: Aluminum (average of 0.0253 mg/L)
- Katiktok Lake: Aluminum (average of 5.75 mg/L), boron (average of 10.5 mg/L), molybdenum (average of 0.087 mg/L) and uranium (average of 0.117 mg/L)
- Midrail Camp Lake: Aluminum (average of 0.0097 mg/L)
- Mary Lake Tributary 2: Copper (average of 0.00141 mg/L)
- Sheardown Lake Tributary 1: Copper (average of 0.003 mg/L)

Depth profiles were collected for certain sites between 2006 and 2008 and again in 2011. **KPL** The 2011 depth profiles by in late July (summer) were measured and late-August early-September (fall). The lakes measured included lakes between the Mine Site and Milne Inlet, Midrail Camp, Mary Lake, Camp Lake, Sheardown Lake and the Steensby area lakes. parameters that were measured at various depths included temperature, DO, conductivity, turbidity, specific conductance and pH.

The summer 2011 results generally show that the temperature, DO, turbidity and pH decrease with depth and that the conductivity remains relatively constant or increases slightly with depth. This indicates that the lakes were thermally stratified, which is normal during the summer. Specifically, the decrease in temperature was typically 0.2°C/m, but reached a maximum of approximately 0.6°C/m in some lakes at shallow depths. The surface temperatures ranged from approximately 6 to 13°C.

The fall 2011 results show that the temperature, DO, specific conductance and pH were relatively constant. This indicates that the lakes were isothermic, uniformly mixed and undergoing turnover, which is normal during the fall. The surface temperatures ranged from 8 to 11.5°C.



3.2.1 QA/QC

As indicated above, lake-specific QA/QC samples were not collected in 2006, as the lake water quality sampling and stream water sampling programs were combined (all QA/QC samples were collected at stream sampling locations).

The 2006 lake water vertical profiling data collected for DO on 01-Aug-06 (DL0 01, DL0-02 and BL0-03), 02-Aug-06 (JL0-01) and 31-Aug-06 (BL0-01) were very sporadic. These readings may have resulted from lowering the Hydrolab Quanta too quickly so that equilibrium conditions were not being achieved prior to data collection, or potentially the unit was not calibrated effectively or was malfunctioning.

The 2007 QA/QC program conducted by North/South indicated several parameters exceeding the 18% criterion for RPD (North/South, 2007). It also indicated one parameter being five times the MDL in a field blank submitted in May 2007. All metals measurements in field and trip blanks in 2007 were either below the MDL or less than five times the MDL.

The 2008 QA/QC program conducted by North/South indicated that the precision of the triplicate and duplicate samples was within the criteria of 18% for RPD with one exception. Dissolved sodium measured in the triplicate samples collected from Mary Lake in May 2008 exceeded the 18% criterion (20.79%). All but five parameters were below the respective MDLs for the field blanks collected in 2008. The five parameters that were not below were at or slightly above, but all were less than five times the MDL. Two trip blanks were collected in 2008 (August and September). The blank collected in August showed all but four parameters below the MDL. The remaining four parameters were all slightly above the limit, but were less than five times the limit. The blank collected in September 2008 showed thirty-seven parameters above the MDL, with twenty-two of those being much greater than five times higher than the MDL. The reason for the high concentrations is unknown.

The 2011 QA/QC program conducted by KPL consisted of equipment blanks, field blanks and duplicates. Equipment blanks were collected on two pieces of equipment, the Kemmerer and Beta bottle samplers, before the lake sampling commenced in the summer. The Kemmerer sampler was not used for the lake sampling, but the results are available in Appendix E. The Beta bottle equipment blank had dissolved calcium, dissolved magnesium, dissolved potassium, dissolved sodium, dissolved barium, dissolved boron, total and dissolved manganese, dissolved molybdenum, dissolved silicon, dissolved strontium and dissolved uranium concentrations that were significantly higher than the respective MDLs. It is possible that, although the Beta bottle was cleaned using a mild detergent and rinsed with deionized water prior to use, a more thorough cleaning from a certified company would be better suited, given that the equipment had been stored for an extended period of time. The field blanks collected from the lake sites all had parameter concentrations less than five times the MDL with the exception of one chlorophyll-a concentration. It is possible that this elevated concentration is anomalous.



Ten duplicate samples and two triplicate samples were collected in 2011. The majority paired parameters were less than five times the MDL; five paired parameters were above 25% RPD for duplicates (manganese, turbidity, aluminum and TOC). Neither of the triplicate samples had paired parameters above the 18% RPD.

3.3 SEDIMENT QUALITY

The in situ and analytical data summary statistics for sediment quality samples are provided in Table 3.5. As indicated in section 2.3.6.2, the sediment quality data were compared to the CCME ISQG (CCME, 1999, updated to 2011), the CCME PEL (CCME, 1999, updated to 2011) and to the OSQG (MOE, 1993) for parameters for which there are no CCME sediment quality guidelines. The site-specific analytical and in situ data for sediment quality sampling locations are provided in Table 3.8 and in Appendix D of the compendium report.

The following sections summarize the sediment quality for each key Project area.

3.3.1 Mine Site

The Mine Site consists of the following areas: Tom River Area, Upstream of Deposits, Downstream of Deposits, Mary River - Downstream of Mary Lake, Tributaries of Sheardown Lake, Background Tributary to Mary River, Tributaries of Camp Lake, Mary Lake, Camp Lake, the northwest basin of Sheardown Lake, the southeast basin of Sheardown Lake, Sheardown Lake nearshore, Sheardown Lake offshore and Sheardown Lake Tributary. The following is a summary of the sediment quality within the areas.

3.3.1.1 <u>Tom River Area</u>

Between 2006 and 2007, four composite sediment samples were collected from the two Tom River area sites (I0-01, lower reaches of Tom River, and I0-04, upper reaches of Tom River, downstream of the confluence of I1 tributary with the main stream). The streambed composition was predominantly comprised of cobbles and boulders with sediment samples being collected from the riffle pools behind the larger boulders.

The sediment sample results were all below their respective CCME guideline limits. However, the following metals and non-metals were notably higher in the upstream sediment samples (I0-04) than in the lower reaches of the Tom River (I0-01): aluminum, barium, calcium, chromium, cobalt, copper, iron, lead, magnesium, nickel, potassium, strontium, vanadium and zinc.

TOC, nitrite, nitrate and total phosphorus concentrations were below the MDL to low in the Tom River sediment samples.



3.3.1.2 Upstream of Deposits

Three sediment samples were collected from two locations upstream of the deposits from 2005 to 2007; H0-01, Mary River (upstream of all known iron ore deposits) and G0-09 in a downstream to upstream direction. The streambed composition was predominantly comprised of cobbles and boulders with sediment samples being collected from the riffle pools behind the larger boulders.

Sediment metals concentrations were generally low upstream of the deposits with only one sample exceeding the OSQG limits for iron in 2006. Higher aluminum and manganese concentrations were noted in sites upstream of the deposits compared to sites further downstream along the Mary River.

TOC, nitrite and nitrate concentrations were low or below the MDLs for all years. Total phosphorus concentrations ranged from not detected to 120 µg/g.

3.3.1.3 Downstream of Deposits

Eight sediment samples were collected from six sites downstream of the Deposits from 2005 to 2007 and an additional eight sediment samples were collected in 2011. The sites are as follows from downstream to upstream: C0-01 (upstream of Mary Lake), C0-05, C0-10, E0-01, E0-03 (Mary River, upstream of confluence with E2 tributary and just downstream of known iron ore deposits) and G0-03. The 2011 sites included E0-04, E0-12, E1-01, E3-01, E3-02 and E3-03. The streambed composition was predominantly comprised of cobbles and boulders with sediments being sampled from riffle pools behind larger boulders.

Sediment metals concentrations were generally low downstream of the deposits with one parameter exceeding CCME ISQG at three sites; chromium at G0-03 in 2005 and at C0-10 and C0-01 in 2007. Two parameters exceeded the OSQG at five sites; iron at C0-10 and C0-01 in 2007 and at E0-03 in 2011 and nickel at G0-03 in 2005 and at E0-01 and C0-01 in 2007.

TOC, nitrite and nitrate concentrations were low to below the MDLs. Total phosphorus concentrations ranged from below the detection limit to 240 μ g/g at E0-03 in 2005.

3.3.1.4 Mary River - Downstream of Mary Lake

Two sediment samples were collected at one site (A0-01) from the Mary River downstream of Mary Lake in 2005 and 2007. The site is also upstream of Angajurjualuk Lake and has a streambed composition of predominantly cobbles and boulders with sediments being sampled from riffle pools behind larger boulders.



Sediment metals concentrations were generally low with one parameter exceeding CCME ISQG; chromium in 2007. One nickel concentration exceeded the OSQG in 2007.

TOC, nitrite and nitrate concentrations were below or at the limits of detection. Total phosphorus concentrations ranged from 130 μ g/g in 2005 to 500 μ g/g in 2007.

3.3.1.5 <u>Tributaries of Sheardown Lake</u>

Seven sediment samples were collected from seven sites at the tributaries of Sheardown Lake: D1-01 located upstream of the lake, D0-01 located at the lake outlet, Sheardown Lake-Trib1-DS, Sheardown Lake-Trib1-US, Sheardown Lake-Trib19-US, Sheardown Lake-Trib12-US and Sheardown Lake-Trib12-DS. Four additional sediment samples were collected in 2011 from four sites; D0-01, D1-05, D1-07 and D1-10. The streambed at these locations is predominantly comprised of boulders and cobbles with sediment samples being collected from the accumulated sediments from riffle pools behind larger boulders.

The sediments sampled were generally low in metals with two parameters exceeding CCME ISQG at five sites; chromium at Sheardown Lake-Trib1-US, Sheardown Lake-Trib9-US and at Sheardown Lake-Trib12-DS in 2007 and at D1-070 and D1-10 in 2011 and copper at D1-05 and D1-10 in 2011. One parameter exceeded OSQG at eight sites; nickel at Sheardown Lake-Trib1-DS, Sheardown Lake-Trib1-US, Sheardown Lake-Trib9-US, Sheardown Lake-Trib12-US and Sheardown Lake-Trib12-DS in 2007 and at D1-05, D1-070 and D1-10 in 2011.

Nutrients and TOC were generally low with two parameters exceeding the CCME ISQG at three sites; Total Kjeldahl Nitrogen (TKN) at Sheardown Lake-Trib12-US in 2007and at D1-05 and D1-10 in 2011 and TOC at D1-10 in 2011. Total phosphorus concentrations ranged from below detection (<100 μ g/g) to 390 μ g/g at D0-01 in 2005.

3.3.1.6 <u>Background Tributary to Mary River</u>

One sediment sample was collected from the background tributary to Mary River in 2005: E2-01 (at the base of the E2 tributary to Mary River). Additional sediment samples were collected in 2011: E0-20 and E0-21. The streambed composition of the site is predominantly comprised of sand with visible gravel bars.

Sediment metals concentrations were low with only one parameter exceeding CCME ISQG or the OSQG: chromium at E0-21 in 2011. Two parameters exceeded OSQG: iron at E0-20 in 2011 and nickel at E0-21 in 2011. There were generally higher aluminum and manganese sediment concentrations at this site compared to sites downstream.



TOC, nitrite and nitrate concentrations were below the limits of detection. The total phosphorus concentration was 220 µg/g.

3.3.1.7 Tributaries of Camp Lake

Seven sediment samples were collected from seven sites from the tributaries of Camp Lake: FS-01 (located within the L0 main-stem), K0-01, J0-01, Camp Lake-Trib1-US, Camp Lake-Trib1-DS, Camp Lake-Trib2-US and Camp Lake-Trib2-DS. The streambed composition was predominantly comprised of cobbles and boulders at FS-01 and K0-01 with sediment samples being obtained from riffle pools from behind larger boulders. The streambed was predominantly sand at J0-01. The streambed composition of the other sites, although not formally recorded during site inspections, is likely either comprised of cobbles and boulders or sand based on general knowledge of the areas.

Two parameters exceeded the CCME ISQG at three sites; chromium at Camp Lake-Trib1-US and Camp Lake-Trib1-DS in 2007 and copper at FS-01 in 2005 and at Camp Lake-Trib1-US in 2007. Two parameters exceeded the OSQG at four sites: iron at Camp Lake-Trib1-US in 2007 and nickel at FS-01 in 2005 and at Camp Lake-Trib1-US, Camp Lake-Trib1-DS and Camp Lake-Trib2-DS in 2007.

Nutrients and TOC were generally low with TOC concentrations ranging from not detected to 0.53% and nitrate ranging from not detected to $1 \mu g/g$.

3.3.1.8 Mary Lake

Seven composite sediment samples were collected from five sites on Mary Lake: BL0-01 (northern portion of Mary Lake, offshore from the outlet of Tom River and waters that drain from Camp Lake), BL0-05 (southern portion of Mary Lake, offshore from outlet of Mary River), BL0-03, BL0-04 and BL0-06. The sediment composition for these sites can generally be described as fine sands and silts with organic layers and gravel at depth.

Sediment metals and non-metals results were all below the CCME limits with the exception of chromium and copper. The chromium sediment concentrations at BL0-01 in 2006 and at BL0-01 and BL0-04 in 2007 were 50, 60 and 82 μ g/g, respectively, which exceeded the CCME ISQG guidelines, while the results at BL0-03 and BL0-06 in 2007 exceeded both the CCME ISQG and PEL guidelines with concentrations of 92 and 98 μ g/g, respectively. The copper sediment concentration at BL0-06 in 2007 was 38 μ g/g which exceeded the CCME ISQG guideline of 37.3- μ g/g. Other notably higher sediment concentrations exceeding the OSQG (either the LEL or the SEL) include: iron at sites BL0-01 in 2006 and at BL0-01, BL0-03, BL0-04 and BL0-06 in 2007; manganese at BL0-01, BL0-03, BL0-04 and BL0-06 in 2007 and nickel at BL0-01and BL0-05 in 2006 and at BL0-01, BL0-03, BL0-04, BL0-05 and BL0-06 in 2007.



Nitrite and nitrate concentrations were generally low to below the limits of detection in the Mary Lake sediment samples. TKN and TOC concentrations were higher, some of which exceeded the OSQG by more than two times. Phosphorus sediment concentrations were also higher with the following sites exceeding the OSQG by up to more than two times: BL0-01 in 2006 and BL0-01, BL0-03, BL0-04 and BL0-06 in 2007.

3.3.1.9 <u>Camp Lake</u>

Six sediment samples were collected from five sites at Camp Lake in 2007: JL0-01, JL0-02, JL0-07, JL0-09 and JL0-010. The lake sediments were generally comprised of silt and clay to sand; brown, dark grey/brown or red and brown; and loose to compact.

Sediment metals and non-metals results were all below their respective CCME guideline limits with the exception of chromium and copper. The chromium sediment concentration at sites JL0-01 in May and September 2007, JL0-02 in August 2007 and JL0-07 and JL0-09 in September 2007 were 76, 80, 79, 78 and 50 μ g/g, respectively, which exceeded the CCME ISQG guideline of 37.3 μ g/g. Copper sediment concentrations at sites JL0-01 (May and summer), JL0-02 and JL0-07 in 2007 were 37, 44, 41 and 45 μ g/g, respectively, which exceeded the CCME ISQG guideline of 35.7 μ g/g. Other notably higher sediment concentrations exceeding the OSQG at most of the sites include: iron, manganese and nickel.

Nitrite and nitrate concentrations were below the limits of detection to very low in the Camp Lake sediment samples. TKN concentrations were higher, more than five times the OSQG, in most samples and TOC ranged from below the limits of detection to more than two times the OSQG. Phosphorus concentrations were higher and ranged from below the limits of detection to two and a half times the OSQG.

3.3.1.10 Northwest Basin of Sheardown Lake

Sixteen sediment samples were collected from seven sites in the northwest basin of Sheardown Lake: DL0-01-1, DL0-01-2, DL0-01-3, DL0-01-4, DL0-01-5, DL0-01-6 and DL0-01-7. The sediment composition for these sites was generally comprised of silt and clay to silt; brown, dark brown or red; and compact. In one instance (DL0-01-1 in 2008) the sediment was too compact to collect a sample.

Sediment metals and non-metals results were all below their respective CCME guideline limits with the exception of arsenic, chromium and copper. Arsenic sediment concentration at site DL0-01-3 in 2008 was 6.3 μ g/g which exceeded the CCME ISQG of 5.9 μ g/g but not the PEL of 17 μ g/g.



The chromium concentration at DL0-01-1, DL0-01-2, DL0-01-3, DL0-01-4, DL0-01-5 and DL0-01-6 in 2007, at DL0-01-2, DL0-01-3, DL0-01-4 and DL0-01-5 in 2008 and at DL0-01-1 and DL0-01-5 in 2011 ranged from 46 to 94 μ g/g, which exceeded the CCME ISQG guidelines of 37.3 and 90 μ g/g, the ISQG and PEL, respectively.

Copper sediment concentrations at sites DL0-01-1, DL0-01-2, DL0-01-3, DL0-01-4 and DL0-01-5 in 2007, at DL0-01-2, DL0-01-4 and DL0-01-5 in 2008 and at DL0-01-1 DL0-01-5 in 2011 ranged from 38 to 57 μ g/g which exceeded the CCME ISQG guideline of 35.7 μ g/g.

Other notably higher sediment concentrations exceeding the OSQG (either the LEL or the SEL) include the following:

- Iron at sites DL0-01-1, DL0-01-2, DL0-01-3, DL0-01-4, DL0-01-5 and DL0-01-6 in 2007, DL0-01-2, DL0-01-3, DL0-01-4, DL0-01-5, DL0-01-7 in 2008 and DL0-01-1, DL0-01-5 in 2011
- Manganese at sites DL0-01-1, DL0-01-2, DL0-01-3, DL0-01-4, DL0-01-5 and DL0-01-6 in 2007, DL0-01-2, DL0-01-3, DL0-01-4, DL0-01-5, DL0-01-7 in 2008 and DL0-01-1 in 2011
- Nickel at all sites
- Phosphorus at sites DL0-01-1, DL0-01-2, DL0-01-3, DL0-01-4, DL0-01-5, DL0-01-6 and DL0-01-7 in 2007 and DL0-01-2, DL0-01-3, DL0-01-4, DL0-01-5, DL0-01-7 in 2008.

Nitrite and nitrate concentrations were generally below the limits of detection to low in the northwest basin of Sheardown Lake. TKN concentrations were higher and most exceeded the OSQG by up to eight times. TOC concentrations were also higher and most sample results exceeded the OSQG by more than four times. Phosphorus concentrations ranged from 500 to 2,700 μ g/g, over the OSQG of 600 and 2,000 μ g/g, the ISQG and PEL, respectively.

3.3.1.11 Southeast Basin of Sheardown Lake

Five sediment samples were collected from four sites in the southeast basin of Sheardown Lake: DL0-02-1, DL0-02-2, DL0-02-3 and DL0-02-4. The sediment composition for these sites was generally comprised of clay, silt and trace sand to coarse and fine sand; brown, grey/brown or brown and green; loose to compact, with some vegetation inclusions.

Sediment metals and non-metals results were all below their respective CCME guideline limits with the exception of chromium. The chromium sediment concentrations at sites DL0-02-1 in May 2007 and at DL0-02-1, DL0-02-2 and DL0-02-4 in September 2007 ranged from 71 to 80 μ g/g, which exceeded the CCME ISQG of 37.3 μ g/g. Other notably higher sediment concentrations exceeding the OSQG included: iron, nickel and manganese.



Nitrite and nitrate concentrations were generally below the limits of detection to low in the southeast basin of Sheardown Lake. TKN concentrations ranged from below the limits of detection to more than eight times the OSQG of 0.055%. One TOC concentration was higher than average and was more than five times the OSQG of 1%. Phosphorus concentrations were higher and exceeded the OSQG by up to more than two times.

3.3.1.12 Sheardown Lake Nearshore

Three sediment samples were collected from three stations on the nearshore of Sheardown Lake during crushing and screening operations of the 2008 bulk sample program; DD-Hab 4-Stn 1 (composed of sand, trace silt), DD-Hab 4-Stn 2 (composed of sand, trace silt and clay) and DD-Hab 4-Stn 3 (composed of sand, trace silt and clay).

Sediment sample metal and non-metal results were all below their respective CCME guideline limits. The nickel concentration was notably higher and at the OSQG limit of 16 μ g/g at DD-Hab-Stn 2.

Nutrient concentrations were below the limits of detection to low on the nearshore of Sheardown Lake.

3.3.1.13 Sheardown Lake Offshore

Three sediment samples were collected from three stations on the offshore of Sheardown Lake: DD-Hab9-Stn 1 (composed of sand, trace silt and clay), D-Hab 9-Stn 2 (composed of clayey sand, some silt) and DD-Hab 9-Stn 3 (composed of sand, trace silt and clay).

Sediment sample metal and non-metal results were all below their respective CCME guideline limits with the exception of arsenic and chromium. The arsenic sediment concentration at DD-Hab9-Stn 3 was 10.5 μ g/g, which exceeds the CCME ISQG of 5.9 μ g/g but not the PEL of 17 μ g/g. Chromium sediment concentrations at all three stations were 40, 71 and 68 μ g/g, respectively, which exceed the CCME ISQG of 37.3 μ g/g but not the PEL of 90 μ g/g. Copper sediment concentrations at DD-Hab9-Stn 2 and DD-Hab9 Stn 3 were 39 and 44 μ g/g respectively, which exceed the CCME ISQG of 35.7 μ g/g. Other notably higher sediment concentrations exceeding the OSQG include: iron, manganese and nickel.

Nutrient concentrations were below the limits of detection too low for most samples from the offshore of Sheardown Lake. Phosphorus concentrations were higher and exceeded the OSQG by up to more than two times.



3.3.1.14 Sheardown Lake Tributary

Three sediment samples were collected from three sites on the Sheardown Lake Tributary in 2008: SDLT1-R1 (composed of sand, trace silt and clay), SDLT1-R 2A (composed of sand, trace silt and clay) and SDLT1-R 4 (composed of sand, trace silt and clay).

Sediment sample metal and non-metal concentrations were all below their respective CCME guideline limits with the exception of cadmium, chromium and copper. Cadmium concentration at site SDLT1-R4 was 0.7 μ g/g, which exceeded the CCME ISQG of 0.6 μ g/g. Chromium concentrations at sites SDLT1-R1 and SDLT1-R4 were 54 and 124 μ g/g, respectively, which exceeded the CCME ISQG of 37.3 μ g/g and the result at site SDLT1-R4 exceeded the CCME PEL of 90 μ g/g. The copper concentration at site SDLT1-R4 was 41, which exceeded the CCME ISQG of 35.7 μ g/g. Other notably higher sediment concentrations exceeding the OSQG include: iron, manganese and nickel.

Nitrite, nitrate, TOC and phosphorus concentrations were generally low to below the limits of detection in the Sheardown Lake Tributary. Concentrations for TKN ranged from 0.01 to 0.07% which exceeds the OSQG of 0.055%.

3.3.2 Railway Alignment and Steensby Port Area

The following is a summary of sediment quality along the proposed railway alignment and at the Steensby Port area.

3.3.2.1 Southern Sites

Thirteen sediment samples were collected from thirteen southern sites in 2008: ST3, ST6, ST24, ST28, ST92, ST88, ST81, ST29, ST32, Stream 17, Stream 18, Stream 19 and Stream 24.

Sediment sample metal and non-metal concentrations were all below their respective CCME guideline limits with the exception of mercury, cadmium, chromium, copper, lead and zinc, as follows:

- Mercury concentrations at sites ST28 and ST29 were both 0.2 μg/g which exceeds the CCME ISQG of 0.17 μg/g
- Cadmium concentrations at sites ST24 and ST29 were 2.9 and 0.6 μg/g, respectively, which are at or exceed the CCME ISQG of 0.6 μg/g
- Chromium concentrations at sites ST3, ST6, ST24, ST88, ST29 and Stream 19 were 73, 40, 81, 63, 44 and 38 μg/g, respectively, which exceed the CCME ISQG of 37.3 μg/g



- Copper concentrations at sites ST3, ST6, ST24, ST28, ST29, ST32 and Stream 19 were 43, 69, 42, 54, 117, 64 and 59 μg/g, respectively, which exceed the CCME ISQG of 35.7 μg/g
- Lead concentration at site ST24 was 173 μg/g which exceeds the CCME ISQG of 35 μg/g
- Zinc concentrations at sites ST24 and ST29 were 911 and 142 μ g/g, respectively, which exceed the CCME ISQG of 123 μ g/g. The result at ST24 exceeds the CCME PEL of 315 μ g/g.
- Other notably higher sediment concentrations exceeding the OSQG include: iron and nickel

Nitrite and nitrate concentrations were generally low to below the limits of detection at the southern sites. Concentrations for TKN ranged from low to more than five times the OSQG of 0.48%. Concentrations for TOC ranged from low to more than three times the OSQG of 10%. Phosphorus concentrations ranged from 300 to $2,100 \mu g/g$, above the OSQG of $2,000 \mu g/g$.

3.3.3 QA/QC

The 2007 QA/QC sampling conducted by North/South indicated that the majority of the triplicate samples for which RPD could be reliably calculated were within the acceptable level of precision (≤18%). RPD values for 27 triplicate measurements exceeded the RPD. In particular, RPD values for the majority of parameters measured at C0-01-sed exceeded this level, indicating relatively heterogeneous sediment quality in this area.

The 2008, QA/QC protocols were conducted by North/South. One triplicate sample and one duplicate sample were collected from the northwest basin of Sheardown Lake. Higher concentrations were noted in the parameters of boron, chromium, manganese and the particle size analysis for clay in the samples. A summary of sediment sample QA/QC results is provided in Appendix F of the compendium report.



SECTION 4.0 - CONCLUSIONS

The following conclusions have been determined as a result of the data analysis for the 2005 to 2011 surface water and sediment quality programs:

- Streams naturally have elevated concentrations or values for the following parameters: DO, turbidity, aluminum and iron. There were also some instances where CCME guidelines were exceeded in the following parameters: copper, TSS, silver, selenium, lead, pH and nickel.
- Lake profiling in 2011 generally indicated thermally stratified lakes in the summer and isothermic, uniformly mixed lakes undergoing turnover in the fall. Parameters that were generally at or above the respective guidelines in Camp Lake and Mary Lake included aluminum, cadmium and copper; Sheardown Lake generally had elevated concentrations of iron and copper. Steensby area lakes generally had elevated aluminum concentrations.
- Sediment quality at sites across the project area was generally good with naturally higher levels of chromium, copper, nickel and aluminum within the Mine Site. In Mary Lake, elevated concentrations of total phosphorus were noted and in Sheardown Lake (Northwest Basin), elevated concentrations of total phosphorus, TKN and TOC were noted.



SECTION 5.0 - REFERENCES

- 1. "2005/2006 Baseline Water Quality Summary Report" (Ref. No. NB102-00181/4-5), Knight Piésold Ltd., March 13, 2007.
- 2. "2007 Baseline Water Quality Summary Report" (Ref. No. NB102-00181/7-5), Knight Piésold Ltd., June 6, 2008.
- 3. British Columbia Ministry of Environment, Lands and Parks (BCMELP), 1998.
- 4. Canadian Council of Ministers for the Environment. Canadian Water Quality Guidelines for the Protection of Aquatic Life. Updated December 2007.
- 5. Canadian Council of Ministers of the Environment. Canadian Water Quality Guidelines for the Protection of Aquatic Life. CCME Water Quality Index 1.0, 2001.
- 6. Compendium to Surface Water and Sediment Quality Baseline Report" (Ref. No. NB102-00181/25-16), Knight Piésold Ltd., December 31, 2010
- 7. "Freshwater Aquatic Environment Baseline Report: Lake Limnology and Lower Trophic Levels" North/South Consultants Inc., March 2008.
- 8. Guidelines for the Protection and Management of Aquatic Sediment Quality in Ontario Ontario Ministry of the Environment, 1993.
- 9. Health Canada. Guidelines for Canadian Drinking Water Quality Summary Table. May 2008.
- 10. Surface Water and Sediment Quality Baseline Report (Ref. No. NB102-00181/25-2), Knight Piésold Ltd., October 29, 2010, issued for DEIS.



SECTION 7.0 - CERTIFICATION

This report was prepared, reviewed and approved by the undersigned.

Prepared by:

Shannon Roach, CEPIT Environmental Technologist

Reviewed by:

Richard Cook

Senior Environmental Scientist

Approved by:

Ken D. Embree, P.Eng. Managing Director

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BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT 2005-2011 MINE SITE STREAM WATER SAMPLE LOCATIONS

10.000 1	Current	2005	GPS Coo	ordinates ⁽¹⁾				Sampled In:				Print Dec/22/11 12:1		
No.	Site ID	Site ID			2005	2006	2007	2008	2009	2010	2011	Notes		
## 459** 697-281. 697-281. 759-284. 750.	Mary River	I.		1 (,		l l			l .	l				
Section Column	A0-01					-								
0.31		EKP-2834	557391	7903368	•			•						
1992 1992 1993 1994 1995		- EKP-2835Δ	556305	7906894				•						
Company Comp												-1		
1922 1922 1925		EKP-2835B					•	•						
1910	D0-01	EKP-2901	560765	7911692	•		•	yes			yes			
Proceedings Process	D1-00	-				no	no	yes			yes			
10.000 10.00					•			•						
Column														
Septembox Sept					•			•						
Commons	D1-10				•									
Colorand Color C	D-Stream-1	-						•						
Deliment								•						
Colorane_ Colorane_ Coloran														
District Collisis Friedrich Friedr														
SQLT-1-15 -		-						•						
Sign First	SDLT-1-DS ³	-			no	no	no	no	no	no	yes			
SILT-14-14 .	SDLT-1-US													
SCFT-H28												Located 30 m downstream of D1-00		
Section Sect														
Signature Sign												Stream inflow into Sheardown Lake		
E031 F.	SDLT-12-DS													
E201	SDLT-12-US	-				no	no							
\$2.55		-						•						
E2-55					•			•						
E2-06					•									
E9.04	E2-08													
September Sept	E0-03 ⁽²⁾				yes	yes	yes	no	yes	yes	yes			
Section Sect	E0-04				no	no	no	no	no	no	yes			
ESP42 ESP-2887 SS-2881 A*10-Bel Fig. Fi	E3-01 ⁽²⁾	EKP-2858	563872	7913003	yes	yes	yes	no	yes	yes	yes			
53-08 EKP-2886 563758 7913033 yes no no no no no yes Small atrain man deposit area. Novel 10 nt to the East in July 2011.	E3-02	EKP-2887	563681	7913064	no	no	no	no	no	no	yes			
\$2.68 \$6.78.286 \$6.58.66 \$7913945 yes no no no no yes ye	E3-03	EKP-2887	563759	7913203	ves	no	no	no	no	no	ves			
En-19	E3-08				•									
EMP-2842 56315 7315028 no	E4-01 ⁽²⁾	EKP-2857	563962	7913062	yes	yes	yes	no	yes	yes	yes	Small tributary draining main deposit area, downstream of salt mixing area		
E9-11 EXP-2842 569:915 79132675 no no no no no no no no per Conditions	E0-10 ⁽²⁾	-	564405	7913004	no	yes	yes	no	yes	no	yes			
EP-22 EP-2842 563198	E0-11	EKP-2842	569315	7913008	no	no	no	no	no	no	yes			
69-20 .	F0-12	FKP-2842	563169	7912675	no	no	no	no	no	no	ves			
F8-916 EKP-2854 564483 7913015 yes yes yes no no no no no no no n	E0-20													
Fo-02 -	E0-21		562444	7911724	no	no	no	no	no	no	yes			
Fo.95 Ch.95 Fo.95 Fo.9		EKP-2854			•									
Ge-041 Ge-04283 564459 7912894 yes y		-						•						
GP-03 EKP-2890 567204 7912887 yes ye						-	•							
Ga-05 -					•									
G3-01	G0-05				•			•						
Go-90 Go-90 First Firs	G3-01	-						•						
Go-10 - - - no no no no no	G0-07	-			no	yes	yes	yes	no	no	no			
G6-01 - 571406 7916629 no yes yes yes no no no G6 tributary - just upstream of confluence with Mary River H0-01 EKP-2902 571409 7917611 yes yes yes yes no no no Lowest portion of the northeastern tributary to Mary River H1-01 - 571346 7917850 no yes yes yes no no no Lowest portion of the northeastern tributary to Mary River H1-02 - 568211 7921645 no no yes yes yes no no no Lowest portion of the northwestern tributary to Mary River M1-02 no no Lowest portion of the northwestern tributary to Mary River M1-02 no no no no Lowest portion of the northwestern tributary to Mary River M1-02 no no no no Lowest portion of the northwestern tributary to Mary River M1-02 no												Mary River, upstream of deposits 2, 3 and 3A		
H-0-01		-										G6 tributary - just unstream of confluence with Mary River		
H1-01 - 571346 7917850 no yes yes yes no no no Lowest portion of the northwestern tributary to Mary River H1-02 - 569211 7921645 no no no yes no no no Lowest portion of the northwestern tributary to Mary River Wester to no		- EKP-2902												
H1-02 - 559211 7921645 no no no yes no no no Upper reach of the northwestern tributary to Mary River 1	H1-01													
10-01	H1-02	-			no						no			
10-04 -		1	FFE 470	7044400		1 115 -	115-	140-	T			Tom Divar, helevy road and hydidad siver coation		
10-06 EKP-2864 557298 7919412 yes ye		-												
11-01 EKP-2865 557318 7919381 yes yes yes yes yes no no no 11 tributary, just upstream of confluence with Tom River	10-04	EKP-2864						•						
11-02	11-01				•									
J0-01 EKP-2839 555701 7913773 yes yes yes yes yes yes no no no Outflow from J-Lake J1-01 EKP-2885 556325 7914900 yes yes yes yes no no no J1 stream, drains into northwest region of J-Lake J2-01 - 557511 7913865 no yes yes yes yes no no no J2 stream, drains into northwest region of J-Lake K0-01 EKP-2884 557390 7915030 yes yes yes yes no no no No K0 stream, lowest region - drains to north region of J-Lake K0-05 EKP-2846 558865 7916090 yes no no no yes no no no Mid-reaches tributary to K0 tributary K1-01 - 559443 7916930 no no no no yes no no no K1 stream, upper reaches - drains to NO, which drains to north region of Camp Lake L0-01 EKP-2883 557681 7914959 yes yes yes yes no no no no L0 stream, lowest region, drains to north region of J-Lake L1-02 EKP-2847 558765 7915121 yes no no no no no no No Small tributary, upstream of L1-02. Sampled once (June 2005). L1-08 EKP-2849 558007 7915088 yes no no no no no yes Small tributary upstream of L1-02 EKP-2849 558007 7914885 no no no no no no yes Downstream mixing area from west waste rock discharge L2-03 EKP-2896 559081 7914425 yes no no no no no yes Downstream mixing area from west waste rock discharge		-		7919900	•			•	no	no	no	I1 tributary, at upper reach of tributary		
J1-01			EEEZ^1	7040770								Outflow from I I also		
J2-01 -														
K0-01					•			•						
K0-05	K0-01													
L0-01 ⁽²⁾ EKP-2883 557681 7914959 yes yes no no no no L0 stream, lowest region, drains to northeast region of J-Lake L1-02 EKP-2847 558765 7915121 yes no no no no no no L1 is northern tributary to L0 stream L1-06 EKP-2848 560047 7915874 yes no no no no no no small tributary, upstream of L1-02. Sampled once (June 2005). L1-08 EKP-2849 561076 7915088 yes no no no no yes Small tributary upstream of L1-02. Sampled once (June 2005). L1-09 EKP-2849 558407 7914885 no no no no no yes Downstream mixing area from west waste rock discharge L2-03 EKP-2896 559081 7914425 yes no no no no no yes L2 is southern tributary to L0 stream	K0-05		558865	7916090	•		•	•				Mid-reaches tributary to K0 tributary		
L1-02 EKP-2847 558765 7915121 yes no no no no no no no l1 is northern tributary to L0 stream L1-06 EKP-2848 560047 7915874 yes no no no no no no no Small tributary, upstream of L1-02. Sampled once (June 2005). L1-08 EKP-2849 561076 7915068 yes no no yes no no yes Small tributary upstream of L1-02. Sampled once (June 2005). L1-09 EKP-2849 558407 7914885 no no no no no no yes Downstream mixing area from west waste rock discharge L2-03 EKP-2896 559081 7914425 yes no no no no no yes L2 is southern tributary to L0 stream	K1-01	-			no	no	no		no	no	no			
L1-06 EKP-2848 560047 7915874 yes no no no no no no no Small tributary, upstream of L1-02. Sampled once (June 2005). L1-08 EKP-2849 561076 7915068 yes no no yes no no yes Small tributary upstream of L1-02 L1-09 EKP-2849 558407 7914885 no no no no no no yes Downstream mixing area from west waste rock discharge L2-03 EKP-2896 559081 7914425 yes no no no no no yes L2 is southern tributary to L0 stream														
L1-08 EKP-2849 561076 7915068 yes no no yes no no yes Small tributary upstream of L1-02 L1-09 EKP-2849 558407 7914885 no no no no no no no yes Downstream mixing area from west waste rock discharge L2-03 EKP-2896 559081 7914425 yes no no no no no yes L2 is southern tributary to L0 stream														
L1-09 EKP-2849 558407 7914885 no no no no no no no yes Downstream mixing area from west waste rock discharge L2-03 EKP-2896 559081 7914425 yes no no no no no yes L2 is southern tributary to L0 stream														
L2-03 EKP-2896 559081 7914425 yes no no no no no yes L2 is southern tributary to L0 stream					•			•						
	M0-01													

NOTES:

1. GPS COORDINATES ARE IN UTM NAD 83, ZONE 17W.

2. BOLD INDICATES THAT THE SITE WAS A 2007 FIELD SEASON WEEKLY WATER QUALITY SITE. WEEKLY SAMPLING IN 2008 WAS COMPLETED BY BIMC.

3. SAMPLE SITES D1-01, SDLT-1-DS AND SDLT-R2A WERE ALL LOCATED WITHIN 20M OF EACH OTHER, THUS ONLY ONE SAMPLE WAS COLLECTED AND LABELED AS D1-01.

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BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT 2005-2011 MINE SITE TO STEENSBY PORT STREAM WATER SAMPLE LOCATIONS

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Current	2005	GPS Coo	rdinates ⁽¹⁾				Sampled In:				
Site ID	Site ID	UTM E (m)	UTM N (m)	2005	2006	2007	2008	2009	2010	2011	Notes
Cockburn Area											
S1-100	EKP-2819	592196	7817661	yes	yes	yes	yes	no	no	no	Cockburn Lake outlet creek
S2-065	-	606957	7846923	no	no	yes	yes	no	no	yes	Inflow to Cockburn Lake - collected 271 m from GPS point in July 2011
S2-070	-	607575	7841240	no	yes	yes	yes	no	no	yes	Narrowing flowing water section in northern portion of Cockburn Lake - sampled 158 m d/s of GPS point in July 2011 due to favourable flow
Ravn River - Upstream of Ang	ajurjualuk Lake			•			•	•	•		
S2-030	EKP-2915	592664	7892583	yes	yes	yes	yes	no	no	yes	Ravn River, upstream of Angajurjualuk Lake
Rowley River	•						•	no	no		
S2-100	EKP-2912	623035	7799885	yes	no	yes	yes	no	no	no	Lower reaches of the Rowley River
Steensby Port Area	•								•		
S-Camp-DS	-	594790	7800518	no	no	no	yes	no	no	yes	Downstream of Steensby Camp. Sample not collected in August 2011 - site was dry
SL3-Out (Km10 Lake)	-	598700	7808138	no	no	yes	yes	no	no	yes	
Km3 Lake	-	597760	7800154	no	no	no	yes	no	no	no	
Mid-Rail Camp Area	•			•			•	•	•		
MRC	-	597333	7875117	no	no	no	no	no	no	yes	Discharge location for Mid-Rail Camp. Sample location moved to coordinates listed in this table, in August 2011.
Nivek-IN	-	595781	7876683	no	no	no	yes	no	no	no	Inflow to Nivek Lake - Unable to sample in 2011 due to water being stagnant.
Nivek-Out	-	593784	7873743	no	no	no	yes	no	no	yes	Outflow from Nivek Lake
Sampling Locations Between	Camp Lake and	Steensby Port		•			•	•			
S1-010	EKP-2837	556793	7893941	yes	yes	no	no	no	no	no	Ravn River, downstream of Angajurjualuk Lake
S1-011	EKP-2836	541193	7893559	yes	no	no	no	no	no	no	Only sampled once (June 2005)
S1-020	EKP-2911	571168	7857573	yes	no	no	no	no	no	no	Only sampled once (September 2005)
S1-030	EKP-2838	572536	7851075	yes	yes	no	no	no	no	no	Fast flowing river joining two lakes, southeast of Nina Bang Lake
S1-040	EKP-2825	572723	7849086	yes	yes	no	no	no	no	no	Fast flowing river, further downstream of S1-030 (same watershed)
S1-050	EKP-2824	575381	7846638	yes	no	no	no	no	no	no	Lower reaches of watershed that drains directly into Tariujag Arm
S1-060	EKP-2823	577215	7844740	yes	yes	no	no	no	no	no	Lower reaches of small watershed that drains directly into Tariujaq Arm
S1-070	EKP-2822	580144	7840336	yes	yes	no	no	no	no	no	Lower reaches of watershed that drains directly into Tariujaq Arm
S1-080	EKP-2821	588755	7825451	yes	yes	no	no	no	no	no	Lower reaches of watershed to immediate northwest of Cockburn Lake
S1-090	EKP-2820	589516	7823113	yes	no	no	no	no	no	no	Lower reaches of small watershed near southwestern portion of Cockburn Lake
S1-110	EKP-2818	598208	7807296	yes	yes	no	no	no	no	yes	Very bouldery wide stream, near Steensby Inlet
S1-120	EKP-2817	594989	7802669	yes	yes	no	no	no	no	yes	Stream section among small lakes and swampy areas, near Steensby Inlet
S2-010	-	570650	7905046	no	yes	no	no	no	no	yes	Mid reaches of main stem of river that drains into northern central portion of Angajurjualuk Lake
00.000					1						Mid reaches of main stem of river that drains into northeastern portion of Angajurjualuk Lake. Sample collected from E585407
S2-020	-	585234	7899946	no	yes	no	no	no	no	yes	N7900062 in August 2011 due to braiding in the river.
S2-040	-	597777	7880427	no	yes	no	no	no	no	yes	Slow moving wide river in very boggy upland area
S2-050	-	606940	7847916	no	yes	no	no	no	no	yes	Lowest reaches of first order tributary to Cockburn River, just north of Cockburn Lake
S2-060	EKP-2914	607224	7847820	yes	yes	no	no	no	no	yes	Cockburn River, just upstream of confluence with S2-050 tributary waters
S2-120	EKP-2913	626604	7780184	yes	no	no	no	no	no	no	Windless Lake outlet river

I:\1\02\00181\30\A\Report\Report 5, Rev 0 - Aquatic Program Summary Report\Tables\[Tables 2.1 to 2.5.xls]Table 2.2

NOTES:

1. GPS COORDINATES ARE IN UTM NAD 83, ZONE 17W.

REV DATE DESCRIPTION PREP'D	CHK'D	APP'D



BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT 2005-2011 MINE SITE TO MILNE PORT STREAM WATER SAMPLE LOCATIONS

Print Dec/22/11 12:17:33

2006	2005	GPS Coo	rdinates ⁽¹⁾				Sampled In:				Notes
Site ID	Site ID	UTM E	UTM N	2005	2006	2007	2008	2009	2010	2011	Notes
N1 and N2 Water	er Quality Sites	Downstream of	f Separate Rout	es (near Milne	Port)						
N1-010	EKP-2801	505899	7976039	yes	yes	no	no	no	no	no	Reference site for N1 and N2 sites, near Milne Port
N1-020	EKP-2802	502527	7973838	yes	yes	no	no	no	no	yes	Lower reaches of Phillips Creek watershed, near Milne Inlet
N1-025	-	511928	7966788	no	yes	no	no	no	no	no	Main stem of Phillips Creek, downstream of combined flows from two main tributaries
N1-030	EKP-2803	515322	7965323	yes	yes	no	no	no	no	no	Lower reaches of Phillips Creek eastern tributary
N1 Water Quality	N1 Water Quality Sites										
N1-040	EKP-2804	515013	7964184	yes	yes	no	no	no	no	no	Phillips Creek western tributary, upstream of confluence with N1-030 waters
N1-050	EKP-2805	521853	7948851	yes	yes	no	no	no	no	no	First order tributary to Phillips Creek western tributary
N1-053	-	523055	7944751	no	yes	no	no	no	no	no	Main stem of Phillips Creek western tributary
N1-058	-	525399	7936371	no	yes	no	no	no	no	yes	Main stem Phillips Creek western tributary, at outlet of Katiktok Lake
N1-060	EKP-2806	525962	7936771	yes	yes	no	no	no	no	yes	First order tributary to Phillips Creek western tributary, merges with Phillips Creek just below N1-058
N1-070	EKP-2808	528474	7926550	yes	yes	no	no	no	no	no	Upper reaches of Ravn River watershed
N1-080	EKP-2810	535444	7919329	yes	yes	no	no	no	no	no	Upper reaches of Ravn River watershed
N1-090	EKP-2812	539684	7921281	yes	yes	no	no	no	no	no	Upper reaches of Ravn River watershed
N2 - Water Qua	lity Sites										
N2-010	-	518676	7963600	no	yes	no	no	no	no	no	First order tributary to Phillips Creek eastern tributary, upstream of N1-030
N2-013	-	521219	7960686	no	yes	no	no	no	no	no	Main stem of Phillips Creek eastern tributary upstream of where N2-010 merges with main stem
N2-020	-	526827	7954660	no	yes	no	no	no	no	no	First order tributary to Phillips Creek, eastern tributary, upstream of where N2-013
N2-030	-	533593	7945985	no	yes	no	no	no	no	no	First order tributary to Phillips Creek eastern tributary, upper reaches of Phillips Creek
N2-060	-	544933	7923192	no	yes	no	no	no	no	no	Upper reaches of Ravn River watershed
N1 and N2 Water	er Quality Sites	Upstream of Se	eparate Routes	(near Explorati	ion Property)						
N1-100	EKP-2814	545060	7922182	yes	yes	no	no	no	no	no	Upper reaches of Ravn River watershed, just upstream of an un-named lake
N1-110	EKP-2815	550784	7917490	yes	yes	no	no	no	no	no	Upper reaches of Ravn River watershed
Milne Camp											
M-Camp-DS	-	503219	7976481	no	no	no	yes	no	no	yes	Downstream of Milne Camp - sample was collected from pool in 2011 due to insufficient flow in the stream d/s of the road

I:\1\02\00181\30\A\Report\Report 5, Rev 0 - Aquatic Program Summary Report\Tables\[Tables 2.1 to 2.5.xls]Table 2.3

NOTES:

1. GPS COORDINATES ARE IN UTM NAD 83, ZONE 17W.

0	22DEC'11	ISSUED WITH REPORT NB102-181/30-5	SMR	AD	SMR
REV	DATE	DESCRIPTION	PREP'D	CHK'D	APP'D



SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT 2005-2011 LAKE SURFACE WATER QUALITY SAMPLE LOCATIONS

Print Dec/22/11 12:18:24

		GPS Coo	rdinates (1)				Sampled In				Print Dec/22/11 12:18:24
Current Site ID	2005 Site	UTM E	UTM N								Notes
	ID	(m)	(m)	2005	2006	2007	2008	2009	2010	2011	
Mary Lake	1					ı	ı		ı		L
BL0-01	-	554495	7912116	no	yes	yes	yes	no	no	no	Northern portion of Mary Lake
BL0-03	-	552680	7906651	no	no	yes	yes	no	no	no	
BL0-04	-	553817	7904886	no	no	yes	yes	no	no	no	
BL0-05	-	554632	7906031	no	yes	yes	yes	no	no	yes	Southern portion of Mary Lake
BL0-05-B4	-	555115	7906774	no	no	no	no	no	no	yes	Southern portion of Mary Lake near mixing zone from Mary River
BL0-06	-	555924	7903760	no	no	yes	yes	no	no	no	
Mary Lake Tributary 2											
MLST2	-	552111	7905088	no	no	no	yes	no	no	no	
Candidate Reference Lake											
CRL-3	-	565703	7904839	no	no	no	yes	no	no	no	
Camp Lake	1	I	ı			I	I		I	ı	
JL0-01	-	557108	7914369	no	yes	yes	yes	no	no	yes	Central region of Camp Lake
JL0-02	-	557615	7914750	no	no	yes	yes	no	no	yes	
JL0-09	-	556335	7913955	no	no	yes	yes	no	no	no	
Sheardown Lake Northwest Basin											
DL0-01-1	-	560080	7913128	no	no	yes	yes	no	no	yes	Treated sewage effluent discharge into Sheardown
DL0-01-2	-	560353	7912924	no	no	yes	yes	no	no	no	
DL0-01-3 DL0-01-4		560474 560695	7912833 7913043	no no	no	yes	no	no	no no	no	
DL0-01-4 DL0-01-5		559798	7913043	no no	no	yes	yes	no no	no no	no ves	Treated sewage effluent discharge into Sheardown
DL0-01-5 DL0-01-7						yes	yes			yes	, ,
		560525	7912609	no	no	yes	yes	no	no	yes	Treated sewage effluent discharge into Sheardown
D-LAKE-01 D-LAKE-02		559798 559898	7913513 7913613	no	no	no	no	no	no	yes	Treated sewage effluent discharge into Sheardown Treated sewage effluent discharge into Sheardown
D-LAKE-02 D-LAKE-03	-	559750	7913613	no no	no	no no	no no	no no	no no	yes	
D-LAKE-05	-	559998	7913413	no	no	no	no	no	no	yes	Treated sewage effluent discharge into Sheardown Treated sewage effluent discharge into Sheardown
Sheardown Lake Nearshore	-	229998	7913413	no	no	no	no	no	no	yes	reated sewage emident discharge into Sheardown
SDL1	-	560347	7913430	no	no	no	yes	no	no	no	
SDL2	-	560310	7913469	no	no	no	yes	no	no	no	
SDL3	-	560264	7913482	no	no	no	yes	no	no	no	
SDL4	-	559941	7913085	no	no	no	yes	no	no	no	
SDL5	-	559960	7913039	no	no	no	yes	no	no	no	
SDL6	-	559991	7912998							no	
DD-Hab 4-Stn 1	-	560420	7912996	no no	no	no no	yes	no no	no no	yes	Char habitat potentially impacted by dust or water diversion
DD-Hab 4-Stn 2	-	560374	7913333	no	no	no	no	no	no	yes	Char habitat potentially impacted by dust or water diversion
DD-Hab 4-Stn 3	-	560351	7913331	no	no	no	no	no	no	-	Char habitat potentially impacted by dust or water diversion
DD-Hab 9-Stn 1		560259	7913426	no	no	no	no	no	no	yes	Char habitat potentially impacted by dust or water diversion
DD-Hab 9-Stn 2	-	560323	7913433	no	no	no	no	no	no	yes	Char habitat potentially impacted by dust or water diversion
DD-Hab 9-Stn 3	-	560354	7913358	no	no	no	no	no	no	yes	Char habitat potentially impacted by dust or water diversion
Sheardown Lake Southeast Basin		300304	7913330	110	110	110	110	110	110	yes	onal habitat potentially impacted by dust of water diversion
DL0-02-1	-	560814	7912116	no	no	yes	yes	no	no	no	
DL0-02-3	-	561046	7911915	no	no	yes	yes	no	no	no	
DL0-02-4	-	561512	7911832	no	no	yes	yes	no	no	no	
DL0-02-6	-	560756	7912167	no	no	yes	no	no	no	no	
Milne Port to Mine Site		300730	7312107	110	110	yes	110	110	110	110	
Katiktok	-	526077	7934563	no	no	no	no	no	no	yes	
Km 32 Lake	-	521532	7951697	no	no	no	no	no	no	yes	
Mid-Rail Camp Lake	1		1					-		7	+
Nivek	_	596471	7875521	no	no	no	yes	no	no	yes	Shore sample from Nivek Lake
NS-Nivek	-	594884	7875690	no	no	no	yes	no	no	no	Shore sample HOHI INVOK LAKO
MRC2	-	596777	7874972	no	no	no	no	no	no	yes	Discharge location for Mid-Rail Camp
Steensby Area Lakes	1	l	l		-	l					
ST3 (NSC Lake 1)	-	593065	7802932	no	no	no	yes	no	no	yes	
ST6 (NSC Lake 2)	-	593046	7802378	no	no	no	yes	no	no	no	
ST24 (NSC Lake 3)	-	594438	7802376	no	no	no	yes	no	no	yes	
ST28 (NSC Lake 4)	-	595578	7803287	no	no	no	yes	no	no	yes	
ST92 (NSC Lake 5)	-	597616	7803081	no	no	no	yes	no	no	yes	
ST195 (NSC Lake 6)	-	601115	7801178	no	no	no	yes	no	no	no	Incorrect lake sampled in July 2011.
ST88 (NSC Lake 6)	-	599123	7802100	no	no	no	yes	no	no	no	
ST81 (NSC Lake 8)	-	596850	7799678	no	no	no	yes	no	no	no	
ST29 (NSC Lake 9)	-	594537	7801529	no	no	no	yes	no	no	yes	
ST32 (NSC Lake 10)	-	595189	7801595	no	no	no	yes	no	no	no	
ST347 (ST110)	-	596757	7805878	no	no	no	no	no	no	yes	
ST347-2 (ST110)	-	596588	7804501	no	no	no	no	no	no	yes	
ST347-3 (ST110)	-	598246	7806674	no	no	no	no	no	no	yes	
3 km Lake (ST353) (NSC Lake 7)	-	597184	7800305	no	no	no	yes	no	no	yes	
		600382	7806693	no	no	no	yes	no	no	yes	
10 km Lake (ST352)										,,,,,	

I:\1\02\00181\30\A\Report\Report 5, Rev 0 - Aquatic Program Summary Report\Tables\[Tables 2.1 to 2.5.xls\]Table 2.4

NOTES:
1. GPS COORDINATES ARE IN UTM NAD 83, ZONE 17W.



BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT 2005-2011 SEDIMENT QUALITY SAMPLE LOCATIONS

GPS Coordinates (1) UTM E UTM N 2006 2007 2008 2009 2010 (m) (m) 3L0-01 (Sed) 554695 7913212 yes orthern portion of Mary Lake near the outlet of Tom River yes 3L0-03 Sec 790665 no no no yes no no no BL0-04 Sed 553817 7904886 no no yes no no no no Southern portion of Mary Lake near outlet of Mary River BL0-05 (Sed 554771 7906033 no yes yes no no no no BL0-06 Sed 555924 7903760 ary River ownstream of Mary Lake subcatchment, just upstream from A0-01 (Sed) 559019 7900094 no 00-01 (Sed) 7906894 Jpstream of Mary Lake subcatchment 556305 no yes no Mary River - between C0-01 and C0-10 558352 7909171 C0-05 Sed no no yes no no no yes Downstream of all proposed mine facilities, downstream ~200 m fro confluence of Sheardown Lake outflow with Mary River 0-10 7911516 no no D0-01 EKP-2901 560765 7911692 yes no no no no no yes ake 2 subcatchment, outflow from Sheardown Lake ake 2 subcatchment, upstream of Sheardown Lake and road to 01-01 KP-2895 560753 7913507 no ain deposit Instream of D1-01 01-05 EKP-2893 561397 7913558 no no no no no no D1-07 EKP-2892 562052 7913203 Upstream of D1-01 no no no no no no yes 1-10 EKP-2891 562533 7912873 pstream of D1-01 no no no no no yes Mary River - upstream of confluence with outflow from Sheard 0-01 Sec 560949 7911531 no ıke orth Fork MR subcatchment, just downstream of canyon portion of E0-03 EKP-2856 562086 7911575 no no no 0-04 EKP-2842 562946 7912216 no no no no no no yes 0-12 EKP-2842 7912675 563169 no no no no no no yes ownstream of discharge from ROM and Open Pit ownstream of discharge of treated sewage effluent and ore storm no no no no no no yes ater location ownstream of discharge of treated sewage effluent and ore storm 0-21 562444 7911724 no no no vater location south Fork MR subcatchment, just upstream of confluence with Ma 2-01 EKP-2843 562348 7911310 yes no no no no no no iver mall tributary draining main deposit area, downstream of salt mixir 3-01 EKP-2858 563868 7913001 no no no no no no yes 3-02 EKP-2887 563698 7912980 no no no no no yes 3-03 EKP-2887 563759 7913203 no Small tributary draining main deposit area, downstream of salt mixi E4-01 EKP-2857 563962 7913062 no no no no no no yes G0-03 Sec 7912587 Mary River, just downstream of deposits 2, 3 and 3A no no no no yes no no Mary River upstream of all 3 of the identified iron deposits 30-09 571546 7916317 no yes yes no no no no orth Fork MR subcatchment, southernmost portion of the 10-01 EKP-2902 571409 7914611 no no no no ortheastern tributary to Mary River Tom River er reaches of the Tom River, south of road and braided riv 0-01 555470 7914139 no no yes section Mid-reaches of the Tom River, 100 to 200 m below confluence of I1 0-04 557152 7918991 no yes yes no no no no ributary Camp Lake JL0-01-Sed Central region of Camp Lake 557101 7914386 no no yes no no no no JL0-02-Sed 557615 7914750 no no yes no no no no L0-07-Sec 556705 7914182 no no no yes 556335 7913955 no no no yes no no no 556082 7913753 L0-10-Sed no no yes no no no no Sheardown Lake Northwest Basir I 0-01-Sed 560075 7913158 no Treated sewage effluent discharge into Sheardown yes no DL0-01-2 Sed 560353 7912924 yes no yes DL0-01-3 Sed 560474 7912833 no no yes yes no no no DL0-01-4 Sed 7913043 560695 no no yes yes no no no DL0-01-5 Sed 559798 7913356 no yes no no yes Freated sewage effluent discharge into Sheardowr DL0-01-6 Sed 559723 7913389 yes yes DL0-01-7 Sed 7912609 yes no reated sewage effluent discharge into Sheardowr no yes yes Sheardown Lake S utheast Basir DL0-02-Sed 560812 7912127 no no yes no no no no DL0-02-1 Sed 560814 7912116 no no yes DL0-02-2 Sed 561161 7911866 no no no yes no no no DL0-02-3 Sed 7911915 561046 no no yes no no no no DL0-02-4 Sed 561512 7911832 no no yes no no no no Sheardown Lake Tributaries SDLT-1 DS 560753 7913507 no no yes no no no no SDLT-1 US 561568 7913498 no no yes no no no no SDLT1-R1-Sed 560320 7913504 no no no yes no no no SDLT1-R2A-Sec 560739 7913502 no no yes SDLT1-R4-Sed 7913533 no no no no no yes no SDLT-9 US 7911810 561770 no no yes no no no no SDLT-12 DS 560776 7912867 no no yes no no no no SDLT-12 US 561102 7912835 no no Camp Lake Tributaries CLT-1 DS 557645 7914878 no no yes no no no no CLT-1 US 558504 7915022 no no yes no no no no LT-2 DS 557466 7914969 yes 7915246 CLT-2 US no no no yes no no no S-01 558264 7914877 ke 1 subcatchment yes no no no no Lake 1 subcatchment J0-01 EKP-2839 555701 7913773 yes no no no no no no ake 1 subcatchment 0-01 EKP-2884 557390 7915030 no no no no no no 1-08 558516 7914996 Discharge location from west waste rock discharge 558407 7914885 Downstream mixing area from west waste rock discharge 1-09 no no no no no no yes 2-03 558641 7914828 no no no no no yes Upstream receiving environment for west waste rock discharge DD-Hab 4-Stn 1 560420 7913355 no no no yes no DD-Hab 4-Stn 2 560374 7913391 no no no yes DD-Hab 4-Stn 3 560351 7913426 no no no yes no no no Sheardown Lake Offshore Dust Monitoring DD-Hab 9-Stn 1 560259 7913455 yes DD-Hab 9-Stn 2 560323 7913402 no no no yes no no no DD-Hab 9-Stn 3 560354 7913358 no no no yes no no no Steensby Area Lake ST3 (NSC Lake 1) 593065 7802932 no no no Lake ST6 (NSC Lake 2) 593046 7802378 no no no no no yes no Lake ST24 (NSC Lake 3) 594438 7802376 no no no yes no no no Lake ST28 (NSC Lake 4) 595631 7803308 no no no yes no no no ake ST92 (NSC Lake 5) 597616 7803081 no no no no yes Lake ST88 (NSC Lake 6) 7802100 no no no no no no yes Lake ST81 (NSC Lake 8) 596944 7799639 no no no yes no no no Lake ST29 (NSC Lake 9) 594508 7801523 no no yes no no no Lake ST32 (NSC Lake 10) 595189 7801595 no no no no no yes Lake ST347 596757 7805878 no no no no no no yes Lake ST347-2 7804501 596588 no no no no no no yes Lake ST347-3 598246 7806674 no no no no no no yes teensby Inlet Stream 17 595001 7802717 no no yes no no no Steensby Inlet Stream 18 594683 7801483 yes no ensby Inlet Stream 19 594402 7801209 no no no no yes no

Steensby Inlet Stream 24

NOTES:

1. GPS COORDINATES ARE IN UTM NAD 83, ZONE 17W.

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BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT STREAM WATER QUALITY DATA SUMMARY STATISTICS - MINE SITE GENERAL PARAMETERS AND TOTAL METALS

	1		In Otto	aramote re											I aboreton: D '	to							Prin	nt Dec/22/11 11:10:1
Site ID	Sample Date	Ta	1	DO DO	1	Alkalinity	Br-	CI-	Conductivity	NH3+NH4	NO2-	NO3-	NO2+NO3		Laboratory Resul		SO4-	TKN	тос	DOC	TSS	TDS	Hardness	Dheanhama
Site ib	Sample Date	Temp (°C)	SpC (mS/cm)	mg/L	pН	mg/L CaCO3	mg/L	mg/L	uS/cm	mg/L N	mg/L N	mg/L N	mg/L N	Phenols mg/L	Chlorophyll-a mg/m3	Pheophytin-a mg/m3	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Hardness mg/L CaCO3	Phosphorus Total
Receiving Water Quality Objectives	<u> </u>	-	-	9.5	6.5 - 9.0	-	-	120	-	0.021-2313	0.06	13		0.004	-	-		-					-	-
MDL (2005)	1					2	0.3	0.2	1	0.1	0.06	0.05	0.06	0.001			0.5					30	0.5	0.02
MDL (2006)						5	0.05	1	5	0.02	0.005	0.1	0.1	0.001			1					5	1	0.01
MDL (2007)						5	0.05	1	5	0.02	0.005	0.1	0.1	0.001			1	0.1	0.5	0.5	2	5	1	0.003
MDL (2008)						5	0.05	1	5	0.02	0.005	0.1	0.1	0.001			1	0.1	0.5	0.5	2	5	0.5	0.003
MDL (2011)						5	0.25	1	5	0.02	0.1	0.1	0.1	0.001	0.2	0.2	1	0.1	0.5	0.5	2	1	0.5	0.003
Mary River - Downstream of Mary Lake:									1				1	0.001	1				0.0	0.0			0.0	0.000
Number of sites Number of samples		2 41	2 41	2 38	2 41	2 42	2 42	2 42	2 42	2 42	2 42	2 42	2 42	2 42	5	2 5	2 42	2 22	2 22	2 22	2 22	2 42	2 42	2 42
Number of Detects		41	41	38	41	42	0	42	42	25	12	0	0	1	3	2	29	14	22	22	1	39	41	16
Percentage of Detects Minimum		100% -0.01	100% 0.04	100% 9.97	100% 6.60	100% 20	0% ND	100% 0.9	100% 42	60% ND	29% ND	0% ND	0% ND	2% ND	60% ND	40% ND	69% ND	64% ND	100%	100%	5% ND	93% ND	98% ND	38% ND
Maximum Detected		11.67	0.04	14.75	8.28	68	ND	4.0	136	0.80	0.060	ND	ND	0.001	1.5	2.9	3	0.86	3.6	3.2	9	77	73	0.100
Mean		5.52	0.06	12.54	7.55	32	0.17	2.3	68	0.09	0.011	0.09	0.10	0.001	0.50	1.34	2	0.20	1.9	1.8	2	44	32	0.017
90th Percentile 95th Percentile	 	9.21	0.08	14.003 14.51	7.94 7.99	40 42	0.30	4.0	88 91	0.20 0.58	0.055 0.060	0.10	0.10 0.10	0.001	1.02 1.26	2.54	3	0.38	2.3	2.0	2	57 59	42 44	0.035
Downstream of Deposits																								
Number of sites Number of samples	+ +	22 357	22 356	22 304	22 357	22 413	22 347	22 370	22 418	22 347	22 347	22 413	22 390	22 345	22 45	22 45	22 357	22 242	22 255	22 255	22 312	22 418	22 397	22 390
Number of Detects		357	356	304	357	411	109	310	418	174	123	75	71	9	26	21	287	130	255	254	116	415	397	249
Percentage of Detects Minimum		100% -0.1	100% 0.007	100% 2.10	100% 6.14	100% ND	31% ND	84% ND	100%	50% ND	35% ND	18% ND	18% ND	3% ND	58% ND	47% ND	80% ND	54% ND	100%	100% ND	37% ND	99% ND	100%	64% ND
Maximum Detected		17.07	8.253	24.00	8.64	166	39.00	2890.0	9090	0.90	0.100	0.7	0.7	0.002	3.8	2.8	16	1.40	14.9	9.6	171	5910	4210	1.007
Mean 90th Percentile	\vdash	5.65 11.30	0.440	12.74 14.86	7.81 8.20	58 97	0.79 0.52	115.2 157.3	468 681	0.07 0.10	0.014	0.1	0.1	0.001	0.684 1.50	0.551 1.06	3 7	0.17 0.27	1.7	1.6 2.7	6	307 536	219 316	0.018
95th Percentile		12.95	2.473	15.13	8.31	121	4.44	764.4	2628	0.40	0.060	0.4	0.4	0.001	1.780	2.000	8	0.33	3.4	3.2	18	1706	1160	0.060
Tributaries of Sheardown Lake		19	10	18	10	10	10	10	18	10	10	10	10	10	10	18	10	10	10	10	10	10	10	10
Number of sites Number of samples		18 74	18 74	74	18 74	18 76	18 76	18 76	76	18 76	18 76	18 76	18 76	18 76	18 32	32	18 76	18 53	18 53	18 53	18 53	18 76	18 75	18 76
Number of Detects		74	74	74	74	76	0	58	76	38	7	16	16	2	11	16	64	19	53	53	6	74	75	26
Percentage of Detects Minimum	+ +	0.05	100% 0.02	100% 8.91	100% 6.78	100%	0% ND	76% ND	100% 24	50% ND	9% ND	21% ND	21% ND	3% ND	34% ND	50% ND	84% ND	36% ND	1.0	100% 0.7	11% ND	97% ND	9.0	34% ND
Maximum Detected		16.21	0.29	101.80	8.44	157	ND	27.0	293	0.80	0.100	0.27	0.27	0.001	3.2	23.7	16	0.77	4.6	4.4	21	190	171.0	0.100
Mean 90th Percentile	+ +	5.84 12.11	0.15 0.24	31.84 92.65	7.75 8.21	74 124	0.23	4.5 12.5	157 245	0.09	0.030	0.10	0.10 0.16	0.001	1.80	2 4.56	7	0.13	2.7 3.6	2.6 3.3	2	102 159	81.1 132.0	0.015
95th Percentile		13.48	0.26	98.72	8.29	130	0.30	14.3	273	0.40	0.100	0.20	0.20	0.001	2.100	8.080	13	0.21	4.0	3.6	6	178	143.3	0.100
Background Tributary to Mary River Number of sites	+	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	I 4	4	4
Number of samples		16	16	16	16	16	16	16	16	16	16	16	16	16			16	6	6	6	6	16	16	16
Number of Detects Percentage of Detects	 	16 100%	16 100%	16 100%	16 100%	16 100%	1 6%	13 81%	16 100%	12 75%	1 6%	0%	0	1 6%			15 94%	4 67%	100%	6 100%	1 17%	16 100%	16 100%	4 25%
Minimum		0.27	0.016	8.87	6.27	6	ND	ND	19	ND	ND	ND	ND	ND			ND ND	ND	1.8	1.6	ND	34	7.9	ND
Maximum Detected Mean	 	15.32 5.67	0.149 0.097	15.61 12.27	8.18 7.65	84 52	0.80 0.27	4.0 1.1	172 104	1.50 0.30	0.060	ND 0.08	ND 0.08	0.004	-		6	0.34	3.4 2.4	3.3	4 2	112 64	94.7 53.8	0.100 0.024
90th Percentile		13.17	0.136	14.865	7.99	72	0.30	2.0	152	0.85	0.060	0.10	0.10	0.001			5	0.32	3.0	2.8	3	99	79.0	0.060
95th Percentile		13.86	0.140	15.198	8.04	76	0.43	3.3	164	1.28	0.060	0.10	0.10	0.002			5	0.33	3.2	3.1	4	107	85.6	0.100
Upstream of Deposits				_	_	_										_								
Number of sites Number of samples	 	5 66	5 66	5 58	5 65	5 74	5 63	5 66	74	5 63	5 63	5 74	5 71	63	5 3	5 3	5 66	5 44	5 46	5 46	5 55	74	5 72	5 71
Number of Detects		66	66	58	65	73	37	46	74	30	54	7	7	2	1	3	46	30	46	46	15	73	72	41
Percentage of Detects Minimum		100% -0.1	100% 0.011	100%	100% 6.72	99% ND	59% ND	70% ND	100%	48% ND	86% ND	9% ND	10% ND	3% ND	33% ND	100% 0.2	70% ND	68% ND	100% 0.7	100% 0.7	27% ND	99% ND	100%	58% ND
Maximum Detected		14.89	0.218	14.81	8.34	102	0.3	8	231	0.80	0.06	0.16	0.16	0.003	0.4	1.5	7	0.75	5.6	5.3	36	150	113	0.1
Mean 90th Percentile	 	4.75 9.67	0.09	12.62 14.20	7.77 8.17	48.95 85.70	0.18 0.25	2.29 5.00	103.53 178.70	0.13	0.01	0.10	0.10	0.00	0.36	0.87 1.38	2.58 5.00	0.20	1.78 4.10	1.71 3.95	9.20	66.62 116.00	51.01 89.37	0.01
95th Percentile		10.54	0.17	14.57	8.24	93.00	0.25	5.75	200.25	0.24	0.02	0.13	0.13	0.00	0.38	1.44	5.00	0.51	4.63	4.35	19.50	130.50	101.90	0.04
Tom River Area Number of sites	 	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Number of samples		46	46	41	46	46	46	46	46	46	46	46	46	46	6	6	46	27	27	27	27	46	46	46
Number of Detects Percentage of Detects		46 100%	46 100%	41 100%	46 100%	46 100%	0	34 74%	46 100%	25 54%	18 39%	4 9%	2 4%	3 7%	3 50%	2 33%	39 85%	15 56%	27 100%	27 100%	4 15%	46 100%	46 100%	20 43%
Minimum		-0.1	0.042	9.60	6.90	23	ND	ND	47	ND	39% ND	9% ND	ND	ND	ND	ND	85% ND	ND	0.8	0.8	ND	31	22	43% ND
Maximum Detected		13.55	0.212	15.77	8.90	106	ND 0.18	7	227	0.60	0.100	0.10	0.10	0.001	0.3	0.3	5	0.50	5.2	4.8	3	148	118	0.100
Mean 90th Percentile	+ +	4.57 10.70	0.105 0.165	12.77 14.76	7.79 8.25	55 89	0.18	3	112 175	0.07 0.10	0.020	0.09	0.10 0.10	0.001	0.30	0.25	2 5	0.19	2.3 4.4	2.1 4.0	2	71 113	57 93	0.014 0.025
95th Percentile		11.29	0.194	14.79	8.60	99	0.30	6	214	0.28	0.090	0.10	0.10	0.001	0.30	0.28	5	0.47	4.6	4.1	3	139	110	0.055
Tributaries of Camp Lake Number of sites	 	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Number of samples		101	101	91	100	104	101	104	104	101	101	104	101	101		_	104	53	55	55	56	104	102	101
Number of Detects Percentage of Detects	 	101 100%	101 100%	91 100%	100 100%	104 100%	9	69 66%	104 100%	53 52%	28 28%	6 6%	6 6%	3			83 80%	41 77%	55 100%	55 100%	11 20%	103 99%	102 100%	34 34%
Minimum		-0.17	0.00	9.40	4.94	10	ND	ND	21	ND	ND	ND	ND	ND			00% ND	ND	1.3	1.2	ND	ND	9	ND
Maximum Detected Mean	\vdash	17.81 6.07	0.25	16.51 12.33	8.71 7.87	133 73.92	0.30	16 2.35	268 148.16	0.80 0.10	0.060	0.26	0.26	0.002			7 2.45	0.44 0.19	5.8 3.04	5.4 2.91	5	174 94.24	149 77.87	0.110
90th Percentile		11.14	0.13	14.30	8.33	113	0.30	5	232	0.40	0.060	0.10	0.10	0.001			5	0.19	4.6	4.4	3	151	123	0.030
95th Percentile		13.14	0.23	14.82	8.43	120	0.30	9	242	0.60	0.060	0.10	0.10	0.001			5	0.33	5.0	4.6	4	157	132	0.100
Drainages off Deposit Number of sites		11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
Number of samples		54	53	45	54	55	50	55	55	50	49 1	54	49	49	7	7	55	38	41	41	43	55	51	50
Number of Detects Percentage of Detects	+ +	54 100%	53 100%	45 100%	54 100%	55 100%	11 22%	34 62%	55 100%	24 48%	2%	10 19%	6 12%	2 4%	3 43%	14%	29 53%	22 58%	41 100%	41 100%	13 30%	51 93%	51 100%	25 50%
Minimum		0.08	0.02	9.22	6.27	7.00	ND	ND	17.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.11	0.60	ND	ND	8.00	ND
		12.87	170.00	16.04	8.33	136.00	13.00	1000.00	2780.00	0.60	0.10	0.21	0.21	0.00	9.00	0.90	8.00	68.00	4.40	4.30	87.00	2230.00	1204.00	0.14
Maximum Detected		5.26	22.46	12 72	7 76	66.22	!	26.30	202 44			-	-	-	-	-	1 94	4 25	1 22	1.33	_	134 75	103 18	-
		5.26 10.62 11.89	22.46 108.20	12.72 14.59	7.76 8.14	99.00 107.00	0.30	26.39 19.00	202.44 252.60	0.22	0.06	0.11	0.10	0.00	4.26	0.48	1.94 4.00	4.25 0.39	1.28 2.20	1.33 2.20	6.80	134.75 164.40	103.18 129.00	0.03 0.10



BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT STREAM WATER QUALITY DATA SUMMARY STATISTICS - MINE SITE GENERAL PARAMETERS AND TOTAL METALS

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1			In Situ Pa	arameters										Laborato	ry Results								
Site ID	Sample Date	Temp	SpC	DO	рН	Turbidity	Aluminum	Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Lithium	Magnesium	Manganese
		(°C)	(mS/cm)	mg/L	рп	NTU	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total
Receiving Water Quality Objectives		-	-	9.5	6.5 - 9.0	-	0.005 or 0.1	-	0.005	-	-	-	1.5	0.000029	-	0.0047	-	0.002	0.3	0.001	-	-	-
MDL (2005)						0.1	0.004	0.0004	0.005	0.001	0.005	0.0003	0.05	0.0001	0.05	0.001	0.0003	0.0008	0.02	0.0002	-	0.005	0.0007
MDL (2006)						0.1	0.005	-	0.001	0.01	-	-	0.01	0.0001	1	0.001	0.0002	0.001	0.03	0.001	-	1	0.01
MDL (2007)						0.1	0.001	0.0001	0.0001	0.00005	0.0005	0.0005	0.01	0.000017	0.05	0.0005	0.0001	0.0001	0.03	0.00005	0.005	0.1	0.00005
MDL (2008)							0.001	0.0001	0.0001	0.00005	0.0005	0.0005	0.01	0.000010	0.05	0.0005	0.0001	0.0001	0.03	0.00005	0.005	0.1	0.00005
MDL (2011)	+		1		+	0.1			0.0001	0.00005	0.0005	0.0005	0.01	0.00001	0.05	0.0005	0.0001	0.0005	0.03	0.00005	0.005	0.1	0.00005
Mary River - Downstream of Mary Lake:	1				1	0.1	0.003	0.0001	0.0001	0.00005	0.0005	0.0005	0.01	0.00001	0.05	0.0005	0.0001	0.0005	0.03	0.00005	0.005	0.1	0.00005
Number of sites		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Number of samples		41	41	38	41	38	42	17	42	42	17	17	42	42	42	42	42	42	42	41	12	42	42
Number of Detects	1	41 100%	41 100%	38 100%	41 100%	38 100%	38 90%	0	0	17 40%	0	0	2 5%	0	42 100%	1	1 20/	14 33%	33 79%	7 17%	0	42 100%	18
Percentage of Detects Minimum		-0.01	0.04	9.97	6.60	0.3	90% ND	0% ND	ND	ND	0% ND	ND	ND	0% ND	0.96	2% ND	2% ND	ND	ND	ND	0% ND	2.0	43% ND
Maximum Detected		11.67	0.18	14.75	8.28	2.7	0.360	ND	ND	0.01000	ND	ND	0.060	ND	14.60	0.0010	0.0003	0.0040	0.39	0.00026	ND	8.8	0.03020
Mean		5.52	0.06	12.54	7.55	1.2	0.046	0.0002	0.0012	0.00769	0.0018	0.0004	0.011	0.000014	6.64	0.0005	0.0002	0.0009	0.06	0.00011	0.005	3.7	0.00784
90th Percentile 95th Percentile	-	9.21 9.46	0.08	14.003 14.51	7.94 7.99	2.2	0.070	0.0004 0.0004	0.0046 0.0050	0.01000	0.0050	0.0005 0.0005	0.010	0.000017 0.000017	8.95 9.28	0.0005	0.0003	0.0010	0.08	0.00020	0.005 0.005	4.8 5.1	0.01000
Downstream of Deposits		9.40	0.09	14.51	7.55	2.4	0.000	0.0004	0.0030	0.01000	0.0030	0.0003	0.010	0.000017	5.20	0.0007	0.0003	0.0010	0.12	0.00021	0.003	3.1	0.01000
Number of sites		22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
Number of samples		357	356	304	357	397	402	228	408	402	228	228	400	408	406	402	400	399	403	403	202	406	401
Number of Detects Percentage of Detects		357 100%	356 100%	304 100%	357 100%	393 99%	386 96%	23 10%	54 13%	251 62%	20 9%	20 9%	54 14%	58 14%	406 100%	113 28%	86 22%	261 65%	284 70%	143 35%	30 15%	406 100%	223 56%
Minimum		-0.1	0.007	2.10	6.14	99% ND	90% ND	ND	ND	ND	ND	ND	ND	ND	1.00	ND	ND	ND	ND	ND	ND	0.01	ND
Maximum Detected		17.07	8.253	24.00	8.64	44.6	7.000	0.0020	0.0120	1.01140	0.0100	0.0100	0.200	0.00060	1600.00	0.0500	0.0078	1.0009	6.09	0.01900	0.284	167.0	1.00191
Mean		5.65	0.440	12.74	7.81	5.0	0.201	0.0002	0.0010	0.03015	0.0013	0.0008	0.015	0.00004	64.28	0.0015	0.0003	0.0038	0.20	0.00042	0.012	12.7	0.02164
90th Percentile 95th Percentile	<u> </u>	11.30 12.95	0.603 2.473	14.86 15.13	8.20 8.31	11.4 15.9	0.405 0.722	0.0004 0.0005	0.0020 0.0050	0.03959 0.13360	0.0050 0.0050	0.0010 0.0025	0.020	0.00010 0.00019	92.35 368.50	0.0025 0.0041	0.0004	0.0020 0.0024	0.39	0.00100	0.025 0.049	22.5 48.9	0.06628 0.11550
Tributaries of Sheardown Lake				. 5.10	2.01	.0.0			2.2000	25000			2.300		220.00	2.3011		2.2021	2.00	2.20100	2.3.0		21000
Number of sites		18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
Number of samples Number of Detects		74 74	74 74	74 74	74 74	74 74	74 68	61	75	74 62	61	61	75 20	75 23	75 75	75	75	74 67	74	74 20	45	75 75	74 54
Percentage of Detects	1	100%	100%	100%	100%	100%	92%	2%	5 7%	84%	0	0	27%	31%	100%	8 11%	5 7%	91%	35 47%	27%	0	100%	73%
Minimum		0.05	0.02	8.91	6.78	0.1	ND	ND	ND	ND	ND	ND	ND	ND	2.30	ND	ND	ND	ND	ND	ND	1.4	ND
Maximum Detected		16.21	0.29	101.80	8.44	15.8	0.720	0.0004	0.0050	0.01750	ND	ND	0.05	0.00012	33.00	0.0030	0.0008	0.0070	0.81	0.00080	ND	22.0	0.01980
Mean 90th Percentile		5.84 12.11	0.15 0.24	31.84 92.65	7.75 8.21	1.1	0.043 0.077	0.0002 0.0004	0.0013 0.0050	0.00909 0.01269	0.0017 0.0050	0.0004 0.0005	0.01	0.00002 0.00005	15.66 25.88	0.0006 0.0007	0.0002	0.0020 0.0031	0.08	0.00013 0.00024	0.005 0.005	10.2 16.9	0.00378 0.01000
95th Percentile		13.48	0.24	98.72	8.29	4.2	0.249	0.0004	0.0050	0.01269	0.0050	0.0005	0.02	0.00005	27.06	0.0007	0.0003	0.0031	0.12	0.00024	0.005	18.6	0.01000
Background Tributary to Mary River																							,
Number of sites		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Number of samples Number of Detects		16 16	16 16	16 16	16 16	16 16	15 10	12	16 1	16 12	12 0	12	16 4	16	16 16	16	16 0	16 10	16 11	16	0	16 16	16 12
Percentage of Detects		100%	100%	100%	100%	100%	67%	0%	6%	75%	0%	0%	25%	0%	100%	6%	0%	63%	69%	13%	0%	100%	75%
Minimum		0.27	0.016	8.87	6.27	0.2	ND	ND	ND	ND	ND	ND	ND	ND	1.62	ND	ND	ND	ND	ND	ND	0.9	ND
Maximum Detected Mean		15.32 5.67	0.149 0.097	15.61 12.27	8.18 7.65	10.8	0.270	ND 0.0003	0.005	0.010 0.007	ND 0.004	ND 0.0004	0.06	ND 0.000012	17.90 10.67	0.0020	ND 0.0002	0.0012	0.22	0.0010	ND	12.3	0.0173 0.0061
90th Percentile		13.17	0.136		7.03	1.2								0.000012					0.06				
95th Percentile				14.865	7.99	1.9	0.042	0.0004	0.005	0.010	0.005	0.0005	0.02	0.000015	16.25	0.0014	0.0002	0.0009 0.0011	0.06	0.0002 0.0004	0.005 0.005	6.7 10.1	0.0100
		13.86	0.140	14.865 15.198	7.99 8.04	1.9 4.7	0.042 0.118							0.000015 0.000016									
Upstream of Deposits					+		+	0.0004	0.005	0.010	0.005	0.0005	0.06		16.25	0.0014	0.0003	0.0011	0.08	0.0004	0.005	10.1	0.0100
Upstream of Deposits Number of sites				15.198 5	+		+	0.0004 0.0004	0.005	0.010 0.010	0.005 0.005	0.0005 0.0005	0.06		16.25 16.85	0.0014	0.0003	0.0011	0.08	0.0004	0.005	10.1	0.0100 0.0118
Number of sites Number of samples		13.86 5 66	0.140 5 66	15.198 5 58	8.04 5 65	4.7 5 68	0.118 5 74	0.0004 0.0004	0.005 0.005	0.010 0.010 5 74	0.005 0.005 5 37	0.0005 0.0005 5 37	0.06 0.06	0.000016	16.25 16.85 5 74	0.0014 0.0017 5 74	0.0003 0.0003 5 73	0.0011 0.0012 5 74	0.08 0.13 5 74	0.0004 0.0007 5 74	0.005 0.005 5 35	10.1 10.7 5 74	0.0100 0.0118 5 74
Number of sites Number of samples Number of Detects		13.86 5 66 66	0.140 5 66 66	15.198 5 58 58	8.04 5 65 65	4.7 5 68 68	0.118 5 74 74	0.0004 0.0004 5 37	0.005 0.005 5 74 3	0.010 0.010 5 74 40	0.005 0.005 5 37 18	0.0005 0.0005 5 37 0	0.06 0.06 5 73	0.000016 5 74 2	16.25 16.85 5 74 74	0.0014 0.0017 5 74 15	0.0003 0.0003 5 73 13	0.0011 0.0012 5 74 48	0.08 0.13 5 74 60	0.0004 0.0007 5 74 20	0.005 0.005 5 35 0	10.1 10.7 5 74 73	0.0100 0.0118 5 74 38
Number of sites Number of samples		13.86 5 66	0.140 5 66	15.198 5 58	8.04 5 65	4.7 5 68	0.118 5 74	0.0004 0.0004	0.005 0.005	0.010 0.010 5 74	0.005 0.005 5 37	0.0005 0.0005 5 37	0.06 0.06	0.000016	16.25 16.85 5 74	0.0014 0.0017 5 74	0.0003 0.0003 5 73	0.0011 0.0012 5 74	0.08 0.13 5 74	0.0004 0.0007 5 74	0.005 0.005 5 35	10.1 10.7 5 74	0.0100 0.0118 5 74
Number of sites Number of samples Number of Detects Percentage of Detects Minimum Maximum Detected		13.86 5 66 66 100% -0.1 14.89	0.140 5 66 66 100% 0.011 0.218	15.198 5 58 58 100% 10 14.81	5 65 65 100% 6.72 8.34	5 68 68 100% 0.5 34.6	0.118 5 74 74 100% 0.0035 2.97	0.0004 0.0004 5 37 1 3%	0.005 0.005 5 74 3 4%	0.010 0.010 5 74 40 54% ND 0.0147	0.005 0.005 5 37 18 49%	0.0005 0.0005 5 37 0 0%	0.06 0.06 5 73 1	0.000016 5 74 2 3%	16.25 16.85 5 74 74 100% 0.9 22	0.0014 0.0017 5 74 15 20%	0.0003 0.0003 5 73 13 18%	0.0011 0.0012 5 74 48 65% ND 0.00273	0.08 0.13 5 74 60 81% ND 2.2	0.0004 0.0007 5 74 20 27%	0.005 0.005 5 35 0	10.1 10.7 5 74 73 99% ND 12	0.0100 0.0118 5 74 38 51% ND 0.0215
Number of sites Number of samples Number of Detects Percentage of Detects Minimum Maximum Detected Mean		13.86 5 66 66 100% -0.1 14.89 4.75	0.140 5 66 66 100% 0.011 0.218 0.09	15.198 5 58 58 100% 10 14.81 12.62	8.04 5 65 65 100% 6.72 8.34 7.77	5 68 68 100% 0.5 34.6 6.59	0.118 5 74 74 100% 0.0035 2.97 0.22	0.0004 0.0004 5 37 1 3% ND 0.0004	0.005 0.005 5 74 3 4% ND 0.005	0.010 0.010 5 74 40 54% ND 0.0147 0.01	0.005 0.005 5 37 18 49% ND 0.005	0.0005 0.0005 5 37 0 0% ND ND	0.06 0.06 5 73 1 1% ND 0.05	0.000016 5 74 2 3% ND 0.000017	16.25 16.85 5 74 74 100% 0.9 22 10.37	0.0014 0.0017 5 74 15 20% ND 0.004	0.0003 0.0003 5 73 13 18% ND 0.00074	0.0011 0.0012 5 74 48 65% ND 0.00273 0.00112	0.08 0.13 5 74 60 81% ND 2.2 0.21	0.0004 0.0007 5 74 20 27% ND 0.00129	0.005 0.005 5 35 0 0% ND ND	10.1 10.7 5 74 73 99% ND 12 5.68	0.0100 0.0118 5 74 38 51% ND 0.0215 0.01
Number of sites Number of samples Number of Detects Percentage of Detects Minimum Maximum Detected		13.86 5 66 66 100% -0.1 14.89	0.140 5 66 66 100% 0.011 0.218	15.198 5 58 58 100% 10 14.81	5 65 65 100% 6.72 8.34	5 68 68 100% 0.5 34.6	0.118 5 74 74 100% 0.0035 2.97	0.0004 0.0004 5 37 1 3% ND	0.005 0.005 5 74 3 4% ND	0.010 0.010 5 74 40 54% ND 0.0147	0.005 0.005 5 37 18 49% ND	0.0005 0.0005 5 37 0 0% ND	0.06 0.06 5 73 1 1% ND	0.000016 5 74 2 3% ND	16.25 16.85 5 74 74 100% 0.9 22	0.0014 0.0017 5 74 15 20% ND	0.0003 0.0003 5 73 13 18% ND	0.0011 0.0012 5 74 48 65% ND 0.00273	0.08 0.13 5 74 60 81% ND 2.2	0.0004 0.0007 5 74 20 27% ND	0.005 0.005 5 35 0 0% ND	10.1 10.7 5 74 73 99% ND 12	0.0100 0.0118 5 74 38 51% ND 0.0215
Number of sites Number of samples Number of Detects Percentage of Detects Minimum Maximum Detected Mean 90th Percentile 95th Percentile Tom River Area		13.86 5 66 66 100% -0.1 14.89 4.75 9.67	0.140 5 66 66 100% 0.011 0.218 0.09 0.16 0.17	5 58 58 100% 10 14.81 12.62 14.20 14.57	8.04 5 65 65 100% 6.72 8.34 7.77 8.17	5 68 68 100% 0.5 34.6 6.59 20.33	0.118 5 74 74 100% 0.0035 2.97 0.22 0.38	0.0004 0.0004 5 37 1 3% ND 0.0004 -	0.005 0.005 5 74 3 4% ND 0.005 - 0.00	0.010 0.010 5 74 40 54% ND 0.0147 0.01 0.01	0.005 0.005 5 37 18 49% ND 0.005	0.0005 0.0005 5 37 0 0% ND ND -	0.06 0.06 5 73 1 1% ND 0.05 -	0.000016 5 74 2 3% ND 0.000017 - 0.000 0.00	16.25 16.85 5 74 100% 0.9 22 10.37 18.28 19.18	0.0014 0.0017 5 74 15 20% ND 0.004 -	0.0003 0.0003 5 73 13 18% ND 0.00074 -	0.0011 0.0012 5 74 48 65% ND 0.00273 0.00112 0.00200	0.08 0.13 5 74 60 81% ND 2.2 0.21 0.45	0.0004 0.0007 5 74 20 27% ND 0.00129 - 0.00080 0.00100	0.005 0.005 5 35 0 0% ND ND -	10.1 10.7 5 74 73 99% ND 12 5.68 9.89	0.0100 0.0118 5 74 38 51% ND 0.0215 0.01
Number of sites Number of samples Number of Detects Percentage of Detects Minimum Maximum Detected Mean 90th Percentile 95th Percentile Tom River Area Number of sites		13.86 5 66 66 100% -0.1 14.89 4.75 9.67 10.54	0.140 5 66 66 100% 0.011 0.218 0.09 0.16 0.17	5 58 58 100% 10 14.81 12.62 14.20 14.57	8.04 5 65 65 100% 6.72 8.34 7.77 8.17 8.24	4.7 5 68 68 100% 0.5 34.6 6.59 20.33 26.06	0.118 5 74 100% 0.0035 2.97 0.22 0.38 0.94	0.0004 0.0004 5 37 1 3% ND 0.0004 - 0.00 0.00	0.005 0.005 5 74 3 4% ND 0.005 - 0.00 0.00	0.010 0.010 5 74 40 54% ND 0.0147 0.01 0.01 5	0.005 0.005 5 37 18 49% ND 0.005 - 0.00 0.00	0.0005 0.0005 5 37 0 0% ND ND - 0.00 0.00	0.06 0.06 5 73 1 1% ND 0.05 - 0.01 0.01	0.000016 5 74 2 3% ND 0.000017 - 0.00 0.00	16.25 16.85 5 74 74 100% 0.9 22 10.37 18.28 19.18	0.0014 0.0017 5 74 15 20% ND 0.004 - 0.00203 0.00268	0.0003 0.0003 5 73 13 18% ND 0.00074 - 0.00030 0.00033	0.0011 0.0012 5 74 48 65% ND 0.00273 0.00112 0.00200 0.00203	0.08 0.13 5 74 60 81% ND 2.2 0.21 0.45 0.76	0.0004 0.0007 5 74 20 27% ND 0.00129 - 0.00080 0.00100	0.005 0.005 5 35 0 0% ND ND - 0.01 0.01	10.1 10.7 5 74 73 99% ND 12 5.68 9.89 10.58	0.0100 0.0118 5 74 38 51% ND 0.0215 0.01 0.01 5
Number of sites Number of samples Number of Detects Percentage of Detects Minimum Maximum Detected Mean 90th Percentile 95th Percentile Tom River Area		13.86 5 66 66 100% -0.1 14.89 4.75 9.67	0.140 5 66 66 100% 0.011 0.218 0.09 0.16 0.17	5 58 58 100% 10 14.81 12.62 14.20 14.57	8.04 5 65 65 100% 6.72 8.34 7.77 8.17	5 68 68 100% 0.5 34.6 6.59 20.33	0.118 5 74 74 100% 0.0035 2.97 0.22 0.38	0.0004 0.0004 5 37 1 3% ND 0.0004 -	0.005 0.005 5 74 3 4% ND 0.005 - 0.00	0.010 0.010 5 74 40 54% ND 0.0147 0.01 0.01	0.005 0.005 5 37 18 49% ND 0.005	0.0005 0.0005 5 37 0 0% ND ND -	0.06 0.06 5 73 1 1% ND 0.05 -	0.000016 5 74 2 3% ND 0.000017 - 0.000 0.00	16.25 16.85 5 74 100% 0.9 22 10.37 18.28 19.18	0.0014 0.0017 5 74 15 20% ND 0.004 -	0.0003 0.0003 5 73 13 18% ND 0.00074 -	0.0011 0.0012 5 74 48 65% ND 0.00273 0.00112 0.00200	0.08 0.13 5 74 60 81% ND 2.2 0.21 0.45	0.0004 0.0007 5 74 20 27% ND 0.00129 - 0.00080 0.00100	0.005 0.005 5 35 0 0% ND ND -	10.1 10.7 5 74 73 99% ND 12 5.68 9.89	0.0100 0.0118 5 74 38 51% ND 0.0215 0.01
Number of sites Number of samples Number of Detects Percentage of Detects Minimum Maximum Detected Mean 90th Percentile 95th Percentile Tom River Area Number of sites Number of samples Number of Detects Number of Detects		13.86 5 66 66 100% -0.1 14.89 4.75 9.67 10.54 5 46 46 100%	0.140 5 66 66 100% 0.011 0.218 0.09 0.16 0.17 5 46 46 100%	5 58 58 100% 10 14.81 12.62 14.20 14.57 5 41 41 100%	8.04 5 65 65 100% 6.72 8.34 7.77 8.17 8.24 5 46 100%	4.7 5 68 68 100% 0.5 34.6 6.59 20.33 26.06 5 45 45 45	0.118 5 74 74 100% 0.0035 2.97 0.22 0.38 0.94 5 46 45 98%	0.0004 0.0004 0.0004 5 37 1 3% ND 0.0004 - 0.00 0.00 5 25 100%	0.005 0.005 5 74 3 4% ND 0.005 0.00 0.00 5 46 0 0%	0.010 0.010 5 74 40 54% ND 0.0147 0.01 0.01 5 46 25 54%	0.005 0.005 5 37 18 49% ND 0.005 - 0.00 0.00 5 25 0 0	0.0005 0.0005 5 37 0 0% ND ND - 0.000 0.000 5 25 0 0%	0.06 0.06 5 73 1 1% ND 0.05 - 0.01 0.01 5 46 3 7%	0.000016 5 74 2 3% ND 0.000017 - 0.00 0.00 5 46 2 4%	16.25 16.85 5 74 74 74 100% 0.9 22 10.37 18.28 19.18 5 46 46 100%	0.0014 0.0017 5 74 15 20% ND 0.004 - 0.00203 0.00268 5 46 2 4%	0.0003 0.0003 5 73 13 18% ND 0.0007 - 0.00030 0.00033 5 46 2 4%	0.0011 0.0012 5 74 48 65% ND 0.00273 0.00112 0.00200 0.00203 5 46 25 54%	0.08 0.13 5 74 60 81% ND 2.2 0.21 0.45 0.76	0.0004 0.0007 5 74 20 27% ND 0.00129 - 0.00080 0.00100 5 46 9 20%	0.005 0.005 0.005 5 35 0 0% ND ND 0.01 0.01 5 19 0 0%	10.1 10.7 5 74 73 99% ND 12 5.68 9.89 10.58	0.0100 0.0118 5 74 38 51% ND 0.0215 0.01 0.01 46 42 48%
Number of sites Number of samples Number of Detects Percentage of Detects Minimum Maximum Detected Mean 90th Percentile 95th Percentile Tom River Area Number of stes Number of samples Number of Detects Percentage of Detects Percentage of Detects Minimum		5 66 66 100% -0.1 14.89 4.75 9.67 10.54 5 46 46 46 -0.1	0.140 5 66 66 100% 0.011 0.218 0.09 0.16 0.17 5 46 46 100% 0.042	5 58 58 100% 10 14.81 12.62 14.20 14.57 5 41 41 100% 9.60	8.04 5 65 65 100% 6.72 8.34 7.77 8.17 8.24 5 46 46 40 40 6.90	4.7 5 68 68 100% 0.5 34.6 6.59 20.33 26.06 5 45 45 100% 0.1	0.118 5 74 74 100% 0.0035 2.97 0.22 0.38 0.94 5 46 45 98% ND	0.0004 0.0004 5 37 1 3% ND 0.0004 0.00 0.00 5 25 25 100% 0.0001	0.005 0.005 5 74 3 4% ND 0.005 0.00 0.00 5 46 0 0	0.010 0.010 5 74 40 54% ND 0.0147 0.01 0.01 5 46 25 54% ND	0.005 0.005 5 37 18 49% ND 0.005 - 0.00 0.00 5 25 0 0 0 0 0 0 0	0.0005 0.0005 5 37 0 0% ND ND - 0.000 5 5 25 0 0% ND	0.06 0.06 5 73 1 1 10 0.05 - 0.01 0.01 5 46 3 7% ND	0.000016 5 74 2 3% ND 0.000017 - 0.000 0.00 5 46 2 4% ND	16.25 16.85 5 74 100% 0.9 22 10.37 18.28 19.18 5 46 40 100%	0.0014 0.0017 5 74 15 20% ND 0.004 	0.0003 0.0003 5 73 13 18% ND 0.00074 	0.0011 0.0012 5 74 48 65% ND 0.00273 0.00112 0.00200 5 46 25 54% ND	0.08 0.13 5 74 60 81% ND 2.2 0.21 0.45 0.76 5 46 22 48% ND	0.0004 0.0007 5 74 20 27% ND 0.00129 -0.00080 0.00100 5 46 9 20% ND	0.005 0.005 0.005 5 35 0 0 0 ND ND 1 0.01 0.01 5 19 0 0 0% ND	10.1 10.7 5 74 73 99% ND 12 5.68 9.89 10.58 5 46 46 48 100% 3.0	0.0100 0.0118 5 74 38 51% ND 0.0215 0.01 0.01 5 46 22 48% ND
Number of sites Number of samples Number of Detects Percentage of Detects Minimum Maximum Detected Mean 90th Percentile 95th Percentile Tom River Area Number of sites Number of samples Number of Detects Percentage of Detects Minimum Maximum Detected		13.86 5 66 66 100% -0.1 14.89 4.75 9.67 10.54 5 46 100% -0.1 13.55	0.140 5 66 66 100% 0.011 0.218 0.09 0.16 0.17 5 46 46 100% 0.042 0.212	5 58 58 100% 10 14.81 12.62 14.20 14.57 5 41 100% 9.60 15.77	8.04 5 65 65 100% 6.72 8.34 7.77 8.17 8.24 5 46 100% 6.90 8.90	4.7 5 68 68 100% 0.5 34.6 6.59 20.33 26.06 5 45 45 100% 0.1 18.4	0.118 5 74 74 100% 0.0035 2.97 0.22 0.38 0.94 5 46 45 98% ND 0.219	0.0004 0.0004 5 37 1 3% ND 0.0004 - 0.00 0.00 5 25 25 100% 0.0001 0.0001	0.005 0.005 5 74 3 4% ND 0.005 - 0.00 0.00 5 46 0 0% ND ND	0.010 0.010 5 74 40 54% ND 0.0147 0.01 0.01 5 46 25 54% ND 0.010000000000000000000000000000000000	0.005 0.005 5 37 18 49% ND 0.005 - 0.00 0.00 5 25 0 0 0% ND	0.0005 0.0005 5 37 0 0% ND ND - 0.000 0.000 5 25 0 0% ND	0.06 0.06 0.06 5 73 1 1% ND 0.05 - 0.01 0.01 5 46 3 7% ND	0.000016 5 74 2 3% ND 0.000017 - 0.00 0.00 5 46 2 4% ND 0.000017	16.25 16.85 5 74 74 74 100% 0.9 22 10.37 18.28 19.18 5 46 46 100% 4.00 24.40	0.0014 0.0017 5 74 15 20% ND 0.004 - - 0.00203 0.00268 5 46 2 4% ND 0.00200	0.0003 0.0003 5 73 13 18% ND 0.00074 - - 0.00030 0.00033 5 46 2 4% ND ND	0.0011 0.0012 5 74 48 65% ND 0.00273 0.00112 0.00203 5 46 25 54% ND 0.0011	0.08 0.13 5 74 60 81% ND 2.2 0.21 0.45 0.76 5 46 22 48% ND 0.29	0.0004 0.0007 5 74 20 27% ND 0.00129 - 0.00080 0.00100 5 46 9 20% ND 0.00100	0.005 0.005 0.005 5 35 0 0% ND ND 0.01 5 19 0 0% ND	10.1 10.7 5 74 73 99% ND 12 5.68 9.89 10.58 5 46 46 46 100%	0.0100 0.0118 5 74 38 51% ND 0.0215 0.01 0.01 0.01 5 46 22 48% ND 0.01000
Number of sites Number of samples Number of Detects Percentage of Detects Minimum Maximum Detected Mean 30th Percentile 95th Percentile Tom River Area Number of sites Number of samples Number of Detects Percentage of Detects Percentage of Detects Minimum		5 66 66 100% -0.1 14.89 4.75 9.67 10.54 5 46 46 46 -0.1	0.140 5 66 66 100% 0.011 0.218 0.09 0.16 0.17 5 46 46 100% 0.042	5 58 58 100% 10 14.81 12.62 14.20 14.57 5 41 41 100% 9.60	8.04 5 65 65 100% 6.72 8.34 7.77 8.17 8.24 5 46 46 40 40 6.90	4.7 5 68 68 100% 0.5 34.6 6.59 20.33 26.06 5 45 45 100% 0.1	0.118 5 74 74 100% 0.0035 2.97 0.22 0.38 0.94 5 46 45 98% ND	0.0004 0.0004 5 37 1 3% ND 0.0004 0.00 0.00 5 25 25 100% 0.0001	0.005 0.005 5 74 3 4% ND 0.005 0.00 0.00 5 46 0 0	0.010 0.010 5 74 40 54% ND 0.0147 0.01 0.01 5 46 25 54% ND	0.005 0.005 5 37 18 49% ND 0.005 - 0.00 0.00 5 25 0 0 0 0 0 0 0	0.0005 0.0005 5 37 0 0% ND ND - 0.000 5 5 25 0 0% ND	0.06 0.06 5 73 1 1 10 0.05 - 0.01 0.01 5 46 3 7% ND	0.000016 5 74 2 3% ND 0.000017 - 0.000 0.00 5 46 2 4% ND	16.25 16.85 5 74 100% 0.9 22 10.37 18.28 19.18 5 46 40 100%	0.0014 0.0017 5 74 15 20% ND 0.004 	0.0003 0.0003 5 73 13 18% ND 0.00074 	0.0011 0.0012 5 74 48 65% ND 0.00273 0.00112 0.00200 5 46 25 54% ND	0.08 0.13 5 74 60 81% ND 2.2 0.21 0.45 0.76 5 46 22 48% ND	0.0004 0.0007 5 74 20 27% ND 0.00129 -0.00080 0.00100 5 46 9 20% ND	0.005 0.005 0.005 5 35 0 0 0 ND ND 1 0.01 0.01 5 19 0 0 0% ND	10.1 10.7 5 74 73 99% ND 12 5.68 9.89 10.58 5 46 46 48 100% 3.0	0.0100 0.0118 5 74 38 51% ND 0.0215 0.01 0.01 5 46 22 48% ND
Number of sites Number of samples Number of Detects Percentage of Detects Minimum Maximum Detected Mean 90th Percentile 95th Percentile Tom River Area Number of sites Number of samples Number of Detects Percentage of Detects Minimum Maximum Detected Mean 90th Percentile 95th Percentile 95th Percentile 95th Percentile		13.86 5 66 66 100% -0.1 14.89 4.75 9.67 10.54 5 46 100% -0.1 13.55 4.57	0.140 5 66 66 100% 0.011 0.218 0.09 0.16 0.17 5 46 46 100% 0.042 0.212 0.105	5 58 58 100% 10 14.81 12.62 14.57 5 41 100% 9.60 15.77 12.77	8.04 5 65 65 100% 6.72 8.34 7.77 8.24 5 46 40 6.90 8.90 7.79	4.7 5 68 68 100% 0.5 34.6 6.59 20.33 26.06 5 45 45 100% 0.1 18.4 2.0	0.118 5 74 74 100% 0.0035 2.97 0.22 0.38 0.94 5 46 45 98% ND 0.219 0.048	0.0004 0.0004 5 37 1 1 3% ND 0.0004 - 0.000 0.00 5 25 25 100% 0.0001 0.0004	0.005 0.005 5 74 3 4% ND 0.005 - 0.00 0.00 5 46 0 0% ND ND ND 0.0012	0.010 0.010 5 74 40 54% ND 0.0147 0.01 0.01 5 46 25 54% ND 0.01030 0.00750	0.005 0.005 5 37 18 49% ND 0.005 - 0.00 5 25 0 0 0,00 ND 0.00	0.0005 0.0005 5 37 0 0% ND 0.000 5 5 25 0 0% ND ND 0.000 ND	0.06 0.06 5 73 1 1 1% ND 0.05 0.01 0.01 5 46 3 7% ND 0.06 0.06	0.000016 5 74 2 3% ND 0.000017 - 0.00 0.00 5 46 2 4% ND 0.000017 0.000017	16.25 16.85 5 74 100% 0.9 22 10.37 18.28 19.18 5 46 46 40 24.40 24.40	0.0014 0.0017 5 74 115 20% ND 0.004 - 0.00203 0.00268 5 46 2 4% ND 0.0020 0.0	0.0003 0.0003 5 73 13 18% ND 0.00074 - - 0.00030 0.00033 5 46 2 4% ND 0.0003	0.0011 0.0012 5 74 48 65% ND 0.00273 0.00112 0.00203 5 46 25 54% ND 0.0011 0.00011	0.08 0.13 5 74 60 81% ND 2.2 0.21 0.45 0.76 5 46 22 48% ND 0.29 0.09	0.0004 0.0007 5 74 20 27% ND 0.00129 - 0.00109 5 46 9 20% ND 0.00100 0.00100	0.005 0.005 0.005 5 35 0 0 0% ND ND - 0.01 0.01 5 19 0 0% ND	10.1 10.7 5 74 73 99% ND 12 5.68 9.89 10.58 5 46 46 46 100% 3.0 14.1 6.8	0.0100 0.0118 5 74 38 511% ND 0.0215 0.01 0.01 5 46 22 48% ND 0.01000 0.00549
Number of sites Number of samples Number of Detects Percentage of Detects Minimum Maximum Detected Mean 30th Percentile 95th Percentile 10 Sthe Percentile 11 Sthe Percentile 12 Sthe Percentile 13 Sthe Percentile 14 Sthe Percentile 15 Sthe Percentile 16 Sthe Percentile 17 Sthe Percentile 16 Sthe Percentile 17 Sthe Percentile 18 Sthe Percentile		13.86 5 66 68 100% -0.1 14.89 4.75 9.67 10.54 5 48 100% -0.1 13.55 4.57 10.70 11.29	0.140 5 66 66 100% 0.011 0.218 0.09 0.16 0.17 5 46 46 100% 0.042 0.212 0.105 0.165 0.194	5 58 58 100% 10 14.81 12.62 14.20 14.57 5 41 100% 9.60 15.77 12.77 14.76 14.79	8.04 5 65 65 100% 6.72 8.34 7.77 8.24 5 46 46 100% 6.90 8.90 7.79 8.25 8.60	4.7 5 68 68 100% 0.5 34.6 6.59 20.33 26.06 5 45 100% 0.1 18.4 2.0 4.5 9.5	0.118 5 74 74 100% 0.0035 2.97 0.22 0.38 0.94 5 46 45 98% ND 0.219 0.048 0.121 0.165	0.0004 0.0004 5 37 1 1 3% ND 0.0004 - 0.000 0.00 5 25 25 100% 0.0001 0.0004 0.00004 0.00004 0.00004	0.005 0.005 0.005 5 74 3 4% ND 0.005 - 0.00 0.00 0.00 5 46 0 0% ND ND ND ND ND 0.0012 0.0050 0.0050	0.010 0.010 5 74 40 54% ND 0.0147 0.01 0.01 5 46 25 54% ND 0.01000 0.01000 0.01000	0.005 0.005 5 37 18 49% ND 0.005 - 0.00 5 25 0 0% ND ND 0.005 - 0.00 0.	0.0005 0.0005 5 37 0 0% ND ND - 0.000 5 25 0 0% ND ND - 0.000 0.000 0.0005	0.06 0.06 5 73 1 1 1% ND 0.05 	0.000016 5 74 2 3% ND 0.000017 - 0.00 0.00 5 46 48 ND 0.000017 0.000017 0.000017	16.25 16.85 5 74 100% 0.9 22 10.37 18.28 19.18 5 46 46 4.00 24.40 11.65 19.35 22.35	0.0014 0.0017 5 74 115 20% ND 0.004 - 0.00203 0.00268 5 46 2 4% ND 0.0020 0.0	0.0003 0.0003 5 73 13 18% ND 0.00074 - 0.00030 0.00033 5 46 2 4% ND 0.0003 0.0003 0.0003 0.0003	0.0011 0.0012 5 74 48 65% ND 0.00273 0.00112 0.00203 5 46 25 54% ND 0.0011 0.0011 0.0010	0.08 0.13 5 74 60 811% ND 2.2 0.21 0.45 0.76 5 46 22 48% ND 0.20 100 100 100 100 100 100 100 1	0.0004 0.0007 5 74 20 27% ND 0.00129 - 0.00100 5 46 9 20% ND 0.00100 0.00100 0.00100 0.000100	0.005 0.005 0.005 5 35 0 0 0 0 ND ND - 0.01 0.01 5 19 0 0 ND ND ND 0.005 0.005 0.005	10.1 10.7 5 74 73 99% ND 12 5.68 9.89 10.58 5 46 46 48 100% 3.0 14.1 6.8 11.2	0.0100 0.0118 5 74 38 511% ND 0.0215 0.01 0.01 5 46 22 48% ND 0.01000 0.00549 0.01000 0.01000
Number of sites Number of samples Number of Detects Percentage of Detects Minimum Maximum Detected Mean 90th Percentile 95th Percentile Tom River Area Number of sites Number of samples Number of Detects Percentage of Detects Minimum Maximum Detected Mean 90th Percentile 95th Percentile		13.86 5 66 68 100% -0.1 14.89 4.75 9.67 10.54 5 46 46 46 46 100% -0.1 13.55 4.57 10.70 11.29	0.140 5 66 66 100% 0.011 0.218 0.09 0.16 0.17 5 46 46 40 0.042 0.212 0.105 0.165 0.194	5 58 58 100% 10 14.81 12.62 14.20 14.57 5 41 41 41 41 12.77 12.77 12.77 12.77 12.77 14.79 6	8.04 5 65 65 100% 6.72 8.34 7.77 8.17 8.24 5 46 46 100% 6.90 8.90 7.79 8.25 8.60	4.7 5 68 68 100% 0.5 34.6 6.59 20.33 26.06 5 45 45 45 45 9.5	0.118 5 74 74 100% 0.0035 2.97 0.22 0.38 0.94 5 46 45 98% ND 0.219 0.048 0.048 0.121 0.165	0.0004 0.0004 0.0004 5 37 1 3% ND 0.0004 - 0.000 5 25 25 100% 0.0001 0.0004 0.0002 0.0004 0.0004 6	0.005 0.005 0.005 5 74 3 4% ND 0.005 0.00 0.00 0.00 5 46 0 0% ND ND ND ND 0.0012 0.0050 0.0050	0.010 0.010 5 74 40 54% ND 0.0147 0.01 0.01 5 46 25 54% ND 0.01030 0.00750 0.01000 0.01000	0.005 0.005 5 37 18 49% ND 0.005 - 0.00 0.00 0.00 5 25 0 0% ND 0.005 - 0.000 0.000 6	0.0005 0.0005 5 37 0 0% ND ND - 0.00 0.00 5 25 0 0% ND ND - 0.00 0.0005 0.0005	0.06 0.06 0.06 5 73 1 1% ND 0.05 - 0.01 0.01 5 46 3 7% ND 0.06 0.01 0.06 0.06 0.06 0.06 0.06 0.06	0.000016 5 74 2 3% ND 0.000017 0.000 5 46 48 ND 0.000017 0.000017 0.000017	16.25 16.85 5 74 74 100% 0.9 22 10.37 18.28 19.18 5 46 46 100% 4.00 24.40 11.65 19.35 22.35	0.0014 0.0017 5 74 15 20% ND 0.0020 - 0.00203 0.00268 5 46 2 2 4% ND 0.00206 ND 0.00206 0.00206 0.00206 0.0020 0.0	0.0003 0.0003 5 73 13 18% ND 0.00074 	0.0011 0.0012 5 74 48 65% ND 0.00273 0.00112 0.00203 5 46 25 54% ND 0.0011 0.0009 0.0010 0.0010	0.08 0.13 5 74 60 81% ND 2.2 0.21 0.45 0.76 5 46 22 48% ND 0.29 0.06 0.14 0.19	0.0004 0.0007 5 74 20 27% ND 0.00129 - 0.00080 0.00100 5 46 9 20% ND 0.00100 0.00100 0.00100 0.00100 6	0.005 0.005 0.005 0.005 5 35 0 0% ND ND - 0.01 0.01 5 19 0 0% ND ND ND ND 0.005 0.005	10.1 10.7 5 74 73 99% ND 12 5.68 9.89 10.58 5 46 100% 3.0 14.1 6.8 11.2	0.0100 0.0118 5 74 38 51% ND 0.0215 0.01 0.01 5 46 22 48% ND 0.01000 0.00549 0.01000 0.01000
Number of sites Number of samples Number of Detects Percentage of Detects Minimum Maximum Detected Mean 90th Percentile 95th Percentile Tom River Area Number of sites Number of samples Number of Detects Percentage of Detects Minimum Maximum Detected Mean 90th Percentile 95th Percentile		13.86 5 66 68 100% -0.1 14.89 4.75 9.67 10.54 5 48 100% -0.1 13.55 4.57 10.70 11.29	0.140 5 66 66 100% 0.011 0.218 0.09 0.16 0.17 5 46 46 100% 0.042 0.212 0.105 0.165 0.194	5 58 58 100% 10 14.81 12.62 14.20 14.57 5 41 100% 9.60 15.77 12.77 14.76 14.79	8.04 5 65 65 100% 6.72 8.34 7.77 8.24 5 46 46 100% 6.90 8.90 7.79 8.25 8.60	4.7 5 68 68 100% 0.5 34.6 6.59 20.33 26.06 5 45 100% 0.1 18.4 2.0 4.5 9.5	0.118 5 74 74 100% 0.0035 2.97 0.22 0.38 0.94 5 46 45 98% ND 0.219 0.048 0.121 0.165	0.0004 0.0004 5 37 1 1 3% ND 0.0004 - 0.000 0.00 5 25 25 100% 0.0001 0.0004 0.00004 0.00004 0.00004	0.005 0.005 0.005 5 74 3 4% ND 0.005 - 0.00 0.00 0.00 5 46 0 0% ND ND ND ND ND 0.0012 0.0050 0.0050	0.010 0.010 5 74 40 54% ND 0.0147 0.01 0.01 5 46 25 54% ND 0.01000 0.01000 0.01000	0.005 0.005 5 37 18 49% ND 0.005 - 0.00 5 25 0 0% ND ND 0.005 - 0.00 0.	0.0005 0.0005 5 37 0 0% ND ND - 0.000 5 25 0 0% ND ND - 0.000 0.000 0.0005	0.06 0.06 5 73 1 1 1% ND 0.05 	0.000016 5 74 2 3% ND 0.000017 - 0.00 0.00 5 46 46 ND 0.000017 0.000017 0.000017	16.25 16.85 5 74 100% 0.9 22 10.37 18.28 19.18 5 46 46 4.00 24.40 11.65 19.35 22.35	0.0014 0.0017 5 74 115 20% ND 0.004 - 0.00203 0.00268 5 46 2 4% ND 0.0020 0.0	0.0003 0.0003 5 73 13 18% ND 0.00074 - 0.00030 0.00033 5 46 2 4% ND 0.0003 0.0003 0.0003 0.0003	0.0011 0.0012 5 74 48 65% ND 0.00273 0.00112 0.00203 5 46 25 54% ND 0.0011 0.0011 0.0010	0.08 0.13 5 74 60 811% ND 2.2 0.21 0.45 0.76 5 46 22 48% ND 0.20 100 100 100 100 100 100 100 1	0.0004 0.0007 5 74 20 27% ND 0.00129 - 0.00100 5 46 9 20% ND 0.00100 0.00100 0.00100 0.000100	0.005 0.005 0.005 0.005 5 35 0 0 0 ND ND - 0.01 0.01 5 19 0 0 ND ND ND 0.005 0.005 0.005	10.1 10.7 5 74 73 99% ND 12 5.68 9.89 10.58 5 46 46 48 100% 3.0 14.1 6.8 11.2	0.0100 0.0118 5 74 38 511% ND 0.0215 0.01 0.01 5 46 22 48% ND 0.01000 0.00549 0.01000 0.01000
Number of sites Number of betects Percentage of Detects Minimum Maximum Detected Mean 90th Percentile 95th Percentile Tom River Area Number of sites Number of samples Number of samples Number of betects Percentage of Detects Mean Maximum Detected Mean Tributaries of Camp Lake Number of sites Number of sites Number of sites Number of samples Number of sites		13.86 5 66 66 100% -0.1 14.89 4.75 9.67 10.54 5 46 100% -0.1 13.55 4.57 10.70 11.29	0.140 5 66 66 100% 0.011 0.218 0.09 0.16 0.17 5 46 46 100% 0.042 0.212 0.105 0.165 0.194	5 58 58 100% 10 14.81 12.62 14.20 14.57 5 41 100% 15.77 12.77 14.76 14.79 6 91 100%	8.04 5 65 65 65 100% 6.72 8.34 7.77 8.17 8.24 5 46 100% 6.90 8.90 7.79 8.25 8.60	4.7 5 68 68 68 100% 0.5 34.6 6.59 20.33 26.06 5 45 45 100% 0.1 18.4 2.0 4.5 9.5	0.118 5 74 74 100% 0.0035 2.97 0.22 0.38 0.94 5 46 45 98% ND 0.219 0.048 0.121 0.165	0.0004 0.0004 0.0004 5 37 1 3% ND 0.0004 - 0.000 0.000 5 25 25 100% 0.0001 0.0004 0.0002 0.0004 0.0004 0.0004 0.0004	0.005 0.005 0.005 5 74 3 4% ND 0.005 - 0.00 0.00 0.00 5 46 0 0% ND ND ND ND 0.0012 0.0050 0.0050 6 104 0 0 0%	0.010 0.010 0.010 5 74 40 54% ND 0.0147 0.01 0.01 5 46 25 54% ND 0.01030 0.00750 0.01000 0.01000 6 104 55 53%	0.005 0.005 0.005 5 37 18 49% ND 0.005 - 0.00 0.00 0.00 5 25 0 0% ND ND ND 0.0016 0.0050 0.0050	0.0005 0.0005 5 37 0 0% ND ND - 0.000 0.000 5 5 25 0 0% ND ND ND - 6 48 0 0%	0.06 0.06 5 73 1 1% ND 0.05 - 0.01 0.01 5 46 3 7% ND 0.06 0.01 0.01 0.01 6 103 4 4 4 4 4 4 4 4 4 4 4 4 4	0.000016 5 74 2 3% ND 0.000017	16.25 16.85 5 74 74 100% 0.9 22 10.37 18.28 19.18 5 46 46 4.00 24.40 11.65 19.35 22.35	0.0014 0.0017 5 74 15 20% ND 0.00203 0.00268 5 46 2 4% ND 0.0020 0.0006 0.0006 0.0006 0.0006 0.0006	0.0003 0.0003 5 73 13 18% ND 0.00074 - - 0.00030 0.00033 5 46 2 4% ND 0.0003 0.0003 0.0003 0.0003 0.0003 0.0003	0.0011 0.0012 5 74 48 65% ND 0.00273 0.00112 0.00200 0.00203 5 46 25 54% ND 0.0011 0.0001 0.0010 0.0010 6 104 81 76%	0.08 0.13 5 74 60 81% ND 2.2 0.21 0.45 0.76 5 46 22 48% ND 0.29 0.06 0.14 0.19 6 104 58	0.0004 0.0007 5 74 20 27% ND 0.00129 - 0.00080 0.00100 5 46 9 20% ND 0.00010 0.00014 0.00014 10104	0.005 0.005 0.005 0.005 5 35 0 0% ND ND - 0.01 0.01 0.01 5 19 0 0% ND ND ND ND 0.005 0.005 0.005 0.005	10.1 10.7 5 74 73 99% ND 12 5.68 9.89 10.58 5 46 100% 3.0 14.1 6.8 11.2 13.2	0.0100 0.0118 5 74 38 51% ND 0.0215 0.01 0.01 5 46 22 48% ND 0.01000 0.00549 0.01000 0.01000 6 104 46 449%
Number of sites Number of samples Number of samples Number Obetects Percentage of Detects Minimum Maximum Detected Mean 90th Percentile 95th Percentile 15 m River Area Number of sites Number of sites Number of Detects Percentage of Detects Minimum Maximum Detected Mean 90th Percentile 95th Percentile 15 m River Area Number of Detects Percentage of Detects Minimum Maximum Detected Mean 90th Percentile 17 production of sites Number of samples Number of samples Number of samples Number of Detects Percentage of Detects		13.86 5 66 68 100% -0.1 14.89 4.75 9.67 10.54 5 46 100% -0.1 13.55 4.57 10.70 11.29 6 101 100% -0.17	0.140 5 66 66 100% 0.011 0.218 0.09 0.16 0.17 5 46 100% 0.042 0.212 0.105 0.165 0.194 6 101 101 100% 0.000	5 58 58 100% 10 14.81 12.62 14.20 14.57 5 41 100% 9.60 14.76 14.76 14.76 9.60 14.76 9.60 14.76 9.60 14.76 9.60 14.76 9.60 14.77 12.77 14.76 91 100% 9.40 9.40	8.04 5 65 65 65 100% 6.72 8.34 7.77 8.24 5 46 100% 6.90 8.90 7.79 8.25 8.60 6 100 100 100% 4.94	4.7 5 68 68 100% 0.5 34.6 6.59 20.33 26.06 5 45 100% 0.1 18.4 2.0 4.5 9.5 6 96 96 100% 0.1	0.118 5 74 74 100% 0.0035 2.97 0.22 0.38 0.94 5 46 45 98% ND 0.219 0.048 0.121 0.165 6 104 82 79% ND	0.0004 0.0004 0.0004 5 37 1 1 3% ND 0.0004 - 0.000 0.00 5 25 25 100% 0.0001 0.0004 0.0002 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004	0.005 0.005 0.005 5 74 3 4% ND 0.005 - 0.00 0.00 0.00 5 46 0 0% ND ND ND ND 0.0012 0.0050 0.0050 0.0050	0.010 0.010 0.010 5 74 40 54% ND 0.0147 0.01 0.01 0.01 5 46 25 54% ND 0.01030 0.00750 0.01000 0.01000 6 104 55 53% ND	0.005 0.005 5 37 18 49% ND 0.005 0.00 0.00 5 25 0 0,000 ND ND ND 0.005 6 48 0.005 0.005 0.005 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.00000 0.	0.0005 0.0005 0.0005 5 37 0 0% ND ND - 0.000 5 25 0 0% ND ND ND O.000 0.0005 0.0005 0.0005	0.06 0.06 5 73 1 1% ND 0.05 - 0.01 0.01 5 46 3 7% ND 0.06 0.01 0.0	0.000016 5 74 2 3% ND 0.000017 - 0.000 5 46 2 4% ND 0.000017 0.000017 0.000017 0.000017	16.25 16.85 5 74 100% 0.9 22 10.37 18.28 19.18 5 46 46 100% 4.00 24.40 11.65 19.35 22.35 6 104 104 100%	0.0014 0.0017 5 74 115 20% ND 0.00203 0.00268 5 46 2 4% ND 0.0020 0.0020 0.0006 0.0005 0.0006	0.0003 0.0003 5 73 13 18% ND 0.00074 - 0.00030 0.00033 5 46 2 4% ND 0.0003 0.0003 0.0003 1.0003 0.0003 0.0003 1.	0.0011 0.0012 5 74 48 65% ND 0.00273 0.00112 0.00203 5 46 25 54% ND 0.0011 0.0010 0.0010 6 104 81 78% ND	0.08 0.13 5 74 60 81% ND 2.2 0.21 0.45 0.76 5 46 22 48% ND 0.29 0.06 0.14 0.19 6 104 58 56% ND	0.0004 0.0007 5 74 20 27% ND 0.00129 - 0.00109 5 46 9 20% ND 0.00100 0.00100 6 104 100 104 105 ND	0.005 0.005 0.005 0.005 5 35 0 0 0% ND ND - 0.01 0.01 5 19 0 0% ND ND 0.005 0.005 0.005 0.005 0.005 0.005	10.1 10.7 5 74 73 99% ND 12 5.68 9.89 10.58 5 46 46 48 100% 3.0 14.1 6.8 11.2 13.2	0.0100 0.0118 5 74 38 511% ND 0.0215 0.01 0.01 5 46 22 48% ND 0.01000 0.00549 0.01000 0.01000 6 104 46 44% ND
Number of sites Number of samples Number of samples Number Obetects Percentage of Detects Minimum Maximum Detected Mean 90th Percentile 95th Percentile 10 samples Number of sites Number of samples Number of Detects Percentage of Detects Minimum Maximum Detected Mean 90th Percentile 95th Percentile		13.86 5 66 68 100% -0.1 14.89 4.75 9.67 10.54 5 46 46 100% -0.1 13.55 4.57 10.70 11.29 6 101 100% 101 100% -0.17 17.81	0.140 5 66 68 100% 0.011 0.218 0.09 0.16 0.17 5 46 100% 0.042 0.212 0.105 0.165 0.194 6 101 101 100% 0.00	5 58 58 100% 10 14.81 12.62 14.20 14.57 15.77 12.77 14.76 14.79 10 9.40 16.51	8.04 5 65 65 65 100% 6.72 8.34 7.77 8.17 8.24 5 46 46 100% 6.90 8.90 7.79 8.25 8.60 6 100 1000 100% 4.94	4.7 5 68 68 100% 0.5 34.6 6.59 20.33 26.06 5 45 45 45 45 9.5 100% 0.1 18.4 2.0 9.6 96 96 100% 0.1 4.2	0.118 5 74 74 74 100% 0.0035 2.97 0.22 0.38 0.94 5 46 45 98% ND 0.219 0.048 0.121 0.165 6 104 82 79% ND 0.189	0.0004 0.0004 0.0004 5 37 1 3% ND 0.0004 - 0.000 0.000 5 25 25 100% 0.0001 0.0004 0.0002 0.0004 0.0004 0.0004 0.0004	0.005 0.005 0.005 5 74 3 4% ND 0.005 - 0.00 0.00 0.00 5 46 0 0% ND ND ND ND 0.0012 0.0050 0.0050 6 104 0 0 0%	0.010 0.010 0.010 5 74 40 54% ND 0.0147 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.0	0.005 0.005 0.005 5 37 18 49% ND 0.005 - 0.00 0.00 0.00 5 25 0 0% ND ND ND 0.0016 0.0050 0.0050	0.0005 0.0005 5 37 0 0% ND ND - 0.000 0.000 5 5 25 0 0% ND ND ND - 6 48 0 0%	0.06 0.06 5 73 1 1% ND 0.05 - 0.01 0.01 5 46 3 7% ND 0.06 0.01 0.01 0.01 6 103 4 4 4 4 4 4 4 4 4 4 4 4 4	0.000016 5 74 2 3% ND 0.000017	16.25 16.85 5 74 74 100% 0.9 22 10.37 18.28 19.18 5 46 40 24.40 24.40 11.65 19.35 22.35 6 104 104 100% 2.00 31.20	0.0014 0.0017 5 74 15 20% ND 0.00203 0.00268 5 46 2 4% ND 0.0020 0.0006 0.0006 0.0006 0.0006 0.0006	0.0003 0.0003 5 73 13 18% ND 0.00074 - - 0.00030 0.00033 5 46 2 4% ND 0.0003 0.0003 0.0003 0.0003 0.0003 0.0003	0.0011 0.0012 5 74 48 65% ND 0.00273 0.00112 0.00203 5 46 25 54% ND 0.0011 0.0001 0.0010 0.0010 0.0010 0.0010	0.08 0.13 5 74 60 81% ND 2.2 0.21 0.45 0.76 5 46 22 48% ND 0.29 0.06 0.14 0.19 6 104 58 56% ND 0.500	0.0004 0.0007 5 74 20 27% ND 0.00129 - 0.00080 0.00100 5 46 9 20% ND 0.00010 0.00014 0.00014 10104	0.005 0.005 0.005 0.005 5 35 0 0% ND ND - 0.01 0.01 0.01 5 19 0 0% ND ND ND ND 0.005 0.005 0.005 0.005	10.1 10.7 5 74 73 99% ND 12 5.68 9.89 10.58 5 46 46 100% 3.0 14.1 6.8 11.2 13.2	0.0100 0.0118 5 74 38 51% ND 0.0215 0.01 0.01 5 46 22 48% ND 0.01000 0.00549 0.01000 0.01000 6 104 46 449%
Number of sites Number of samples Number of Detects Percentage of Detects Minimum Maximum Detected Mean 90th Percentile 95th Percentile Tom River Area Number of sites Number of sites Number of Detects Percentage of Detects Minimum Maximum Detected Mean 90th Percentile 95th Percentile Triputaries of Camp Lake Number of Samples		13.86 5 66 68 100% -0.1 14.89 4.75 9.67 10.54 5 46 100% -0.1 13.55 4.57 10.70 11.29 6 101 100% -0.17	0.140 5 66 66 100% 0.011 0.218 0.09 0.16 0.17 5 46 100% 0.042 0.212 0.105 0.165 0.194 6 101 101 100% 0.000	5 58 58 100% 10 14.81 12.62 14.20 14.57 5 41 100% 9.60 14.76 14.76 14.76 9.60 14.76 9.60 14.76 9.60 14.76 9.60 14.76 9.60 14.77 12.77 14.76 91 100% 9.40 9.40	8.04 5 65 65 65 100% 6.72 8.34 7.77 8.24 5 46 100% 6.90 8.90 7.79 8.25 8.60 6 100 100 100% 4.94	4.7 5 68 68 100% 0.5 34.6 6.59 20.33 26.06 5 45 100% 0.1 18.4 2.0 4.5 9.5 6 96 96 100% 0.1	0.118 5 74 74 100% 0.0035 2.97 0.22 0.38 0.94 5 46 45 98% ND 0.219 0.048 0.121 0.165 6 104 82 79% ND	0.0004 0.0004 0.0004 5 37 1 1 3% ND 0.0004 - 0.000 0.00 5 25 25 100% 0.0001 0.0004 0.0002 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004	0.005 0.005 0.005 5 74 3 4% ND 0.005 - 0.00 0.00 0.00 5 46 0 0% ND ND ND ND 0.0012 0.0050 0.0050 0.0050	0.010 0.010 0.010 5 74 40 54% ND 0.0147 0.01 0.01 0.01 5 46 25 54% ND 0.01030 0.00750 0.01000 0.01000 6 104 55 53% ND	0.005 0.005 5 37 18 49% ND 0.005 0.00 0.00 5 25 0 0,000 ND ND ND 0.005 6 48 0.005 0.005 0.005 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.00000 0.	0.0005 0.0005 0.0005 5 37 0 0% ND ND - 0.000 5 25 0 0% ND ND ND O.000 0.0005 0.0005 0.0005	0.06 0.06 5 73 1 1% ND 0.05 - 0.01 0.01 5 46 3 7% ND 0.06 0.01 0.0	0.000016 5 74 2 3% ND 0.000017 - 0.000 0.00 5 46 ND 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017	16.25 16.85 5 74 100% 0.9 22 10.37 18.28 19.18 5 46 46 100% 4.00 24.40 11.65 19.35 22.35 6 104 104 100%	0.0014 0.0017 5 74 115 20% ND 0.00203 0.00268 5 46 2 4% ND 0.0020 0.0020 0.0006 0.0005 0.0006	0.0003 0.0003 5 73 13 18% ND 0.00074 - 0.00030 0.00033 5 46 2 4% ND 0.0003 0.0003 0.0003 1.0003 0.0003 0.0003 1.	0.0011 0.0012 5 74 48 65% ND 0.00273 0.00112 0.00203 5 46 25 54% ND 0.0011 0.0010 0.0010 6 104 81 78% ND	0.08 0.13 5 74 60 81% ND 2.2 0.21 0.45 0.76 5 46 22 48% ND 0.29 0.06 0.14 0.19 6 104 58 56% ND	0.0004 0.0007 5 74 20 27% ND 0.00129 - 0.00080 0.00100 5 46 9 20% ND 0.00100 0.00014 0.00025 0.00030 6 104 10 10% ND 0.0020	0.005 0.005 0.005 0.005 5 35 0 0 0% ND ND - 0.01 0.01 5 19 0 0% ND ND 0.005 0.005 0.005 0.005 0.005 0.005	10.1 10.7 5 74 73 99% ND 12 5.68 9.89 10.58 5 46 46 48 100% 3.0 14.1 6.8 11.2 13.2	0.0100 0.0118 5 74 38 51% ND 0.0215 0.01 0.01 5 46 22 48% ND 0.01000 0.00549 0.01000 0.01000 6 104 46 44% ND 0.00000
Number of sites Number of samples Number of Detects Percentage of Detects Minimum Maximum Detected Mean 90th Percentile 95th Percentile Tom River Area Number of Samples Number of Samples Number of Detects Percentage of Detects Minimum Maximum Detected Mean 90th Percentile 95th Percentile 95th Percentile Number of Detects Minimum Maximum Detected Mean 10th Percentile 95th Percentile 95th Percentile Number of Detects Percentage of Detects Minimum Maximum Detected Mean 10th Percentile 95th Percentile 95th Percentile 95th Percentile		13.86 5 66 66 100% -0.1 14.89 4.75 9.67 10.54 5 46 46 100% -0.1 13.55 4.57 10.70 11.29 6 101 101 101 100% -0.17 17.81 6.07	0.140 5 66 66 66 100% 0.011 0.218 0.09 0.16 0.17 5 46 46 100% 0.042 0.212 0.105 0.165 0.194 6 101 100% 0.00 0.00 0.00 0.25 0.13	5 58 58 100% 10 14.81 12.62 14.20 14.57 5 41 100% 9.60 15.77 12.77 14.76 14.79 91 91 100% 9.40 9.40 16.51 12.33	8.04 5 65 65 65 100% 6.72 8.34 7.77 8.17 8.24 5 46 100% 6.90 8.90 7.79 8.25 8.60 100 100% 4.94 8.71 7.87	4.7 5 68 68 68 100% 0.5 34.6 6.59 20.33 26.06 5 45 45 100% 0.1 18.4 2.0 4.5 9.5 6 96 96 96 100% 0.1 4.2	0.118 5 74 74 100% 0.0035 2.97 0.22 0.38 0.94 5 46 45 98% ND 0.219 0.048 0.121 0.165 6 104 82 79% ND 0.189 0.02	0.0004 0.0004 0.0004 5 37 1 3% ND 0.0004 - 0.00 0.000 5 25 25 100% 0.0001 0.0004	0.005 0.005 0.005 5 74 3 4% ND 0.005 - 0.00 0.00 0.00 5 46 0 0% ND ND ND 0.0012 0.0050 6 104 0 0 0% ND	0.010 0.010 0.010 5 74 40 54% ND 0.0147 0.01 0.01 5 46 25 54% ND 0.01030 0.00750 0.01000 0.01000 6 104 55 53% ND 0.01440	0.005 0.005 0.005 5 37 18 49% ND 0.005 0.00 0.00 0.00 5 25 0 0% ND ND ND 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050	0.0005 0.0005 0.0005 5 37 0 0% ND ND - 0.000 0.000 5 25 0 0% ND	0.06 0.06 0.06 5 73 1 1% ND 0.05 - 0.01 0.01 5 46 3 7% ND 0.06 0.01 0.01 0.01 0.01 0.01 0.01 4 0.01 0.05 0.01	0.000016 5 74 2 3% ND 0.000017 0.00 0.00 5 46 2 4% ND 0.000017 0.000017 0.000017 0.000017 0.000017	16.25 16.85 5 74 74 100% 0.9 22 10.37 18.28 19.18 5 46 46 100% 4.00 24.40 11.65 19.35 22.35 6 104 100%	0.0014 0.0017 5 74 15 20% ND 0.004 - 0.00203 0.00268 5 46 2 4% ND 0.0006 0.0006 0.0006 0.0010 6 104 6 6 6% ND 0.0140	0.0003 0.0003 0.0003 5 73 13 18% ND 0.00074 - 0.00030 0.00033 5 46 2 4% ND 0.0003 0.0002 103 1 1% ND 0.0003	0.0011 0.0012 5 74 48 65% ND 0.00273 0.00112 0.00200 0.00203 5 46 25 54% ND 0.0011 0.0009 0.0010 0.010 6 104 81 78% ND 0.0030 0.0030	0.08 0.13 5 74 60 81% ND 2.2 0.21 0.45 0.76 5 46 22 48% ND 0.29 0.06 0.14 0.19 6 104 58 56% ND 0.500 0.05	0.0004 0.0007 5 74 20 27% ND 0.00129 - 0.00080 0.00100 5 46 9 20% ND 0.00010 0.00014 101 104 10 10% ND 0.0020	0.005 0.005 0.005 0.005 5 35 0 0% ND ND - 0.01 0.01 5 19 0 0% ND ND ND ND 0.005 0.005 0.005 0.005 0.005 0.005 0.005	10.1 10.7 5 74 73 99% ND 12 5.68 9.89 10.58 5 46 46 46 100% 11.2 13.2 6 104 100% 11.0 18.1	0.0100 0.0118 5 74 38 51% ND 0.0215 0.01 0.01 0.01 5 48 22 48% ND 0.01000 0.00549 0.01000 0.01000 6 104 46 44% ND 0.02000
Number of sites Number of samples Number of samples Number Obetects Percentage of Detects Minimum Maximum Detected Mean 90th Percentile 95th Percentile 95th Percentile 105th Percentile 95th Percentile 95th Percentile 95th Percentile 105th Percentile		13.86 5 66 68 100% -0.1 14.89 4.75 9.67 10.54 5 46 100% -0.1 13.55 4.57 10.70 11.29 101 101 100% -0.17 17.81 6,07 11.14 13.14	0.140 5 66 66 100% 0.011 0.218 0.09 0.16 0.17 5 46 46 100% 0.042 0.212 0.105 0.165 0.194 6 101 100% 0.000 0.25 0.13 0.21 0.23	5 58 58 100% 10 14.81 12.62 14.20 14.57 5 41 100% 9.60 15.77 12.77 14.76 14.79 91 91 100% 9.40 16.51 12.33 14.30 14.82	8.04 5 65 65 65 100% 6.72 8.34 7.77 8.17 8.24 5 46 100% 6.90 8.90 7.79 8.25 8.60 100 100% 4.94 8.71 7.87 8.33 8.43	4.7 5 68 68 100% 0.5 34.6 6.59 20.33 26.06 5 45 45 100% 0.1 18.4 2.0 4.5 9.5 6 96 96 100% 0.1 4.2 0.64 1.1	0.118 5 74 74 100% 0.0035 2.97 0.22 0.38 0.94 5 46 45 98% ND 0.219 0.048 0.121 0.165 6 104 82 79% ND 0.189 0.02 0.040 0.049	0.0004 0.0004 0.0004 0.0004 5 37 1 3% ND 0.0004 - 0.000 0.000 5 225 25 100% 0.0001 0.0004 0.0002 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004	0.005 0.005 0.005 0.005 5 74 3 4% ND 0.005 - 0.00 0.00 0.00 5 46 0 0% ND ND ND 0.0012 0.0050 0.0050 0.0050	0.010 0.010 0.010 0.010 5 74 40 54% ND 0.0147 0.01 0.01 0.01 5 46 25 54% ND 0.01030 0.00750 0.01000	0.005 0.005 0.005 0.005 5 37 18 49% ND 0.005 0.00 0.00 0.00 0.00 0.00 0.00 6 0.0050 0.0050 0.0050 0.0050	0.0005 0.0005 0.0005 5 37 0 0% ND ND - 0.000 0.000 5 25 0 0% ND	0.06 0.06 0.06 0.06 0.06 0.06 5 73 1 1 17 18 ND 0.05 - 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.	0.000016 5 74 2 3% ND 0.000017 0.00 0.00 5 46 2 4% ND 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.0000100 0.0000064 0.00000064	16.25 16.85 5 74 74 74 100% 0.9 22 10.37 18.28 19.18 5 46 46 100% 24.40 11.65 19.35 22.35 6 104 100% 2.00 31.20 31.20 15.57 24.60	0.0014 0.0017 5 74 15 20% ND 0.004 - 0.00203 0.00268 5 46 2 4% ND 0.0020 0.0006 0.00010 6 104 6 6 % ND 0.0140 - 0.0022 0.0002	0.0003 0.0003 0.0003 0.0003 5 73 13 18% ND 0.00074 - 0.00030 0.00033 5 46 2 4% ND 0.0003 0.0003 0.0003 103 1 1% ND 0.0003 - 0.0003 0.0003 0.0003 0.0003	0.0011 0.0012 5 74 48 65% ND 0.00273 0.00112 0.00200 0.00203 5 46 25 54% ND 0.0011 0.0009 0.0010 0.0010 6 104 81 78% ND 0.0030 0.0030 0.0030 0.0020	0.08 0.13 5 74 60 81% ND 2.2 0.21 0.45 0.76 5 46 22 48% ND 0.29 0.06 0.14 0.19 6 104 58 56% ND 0.500 0.05 0.079 0.110	0.0004 0.0007 5 74 20 27% ND 0.00129 0.00080 0.00100 5 46 9 20% ND 0.00100 0.00101 104 10 107% ND 0.0020 0.0003 0.00010	0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.001 0.01 0.	10.1 10.7 5 74 73 99% ND 12 5.68 9.89 10.58 5 46 46 100% 14.1 6.8 11.2 13.2 6 104 100% 1.0 18.1 9.47 15.0 16.0	0.0100 0.0118 5 74 38 511% ND 0.0215 0.01 0.01 0.01 5 48 22 483% ND 0.01000 0.00549 0.01000 0.01000 6 104 46 449% ND 0.02000 0.01000 0.01000 0.01000 0.01000
Number of sites Number of samples Number of samples Number Obetects Percentage of Detects Minimum Maximum Detected Mean 90th Percentile 95th Percentile 15 m River Area Number of sites Number of samples Number of Detects Percentage of Detects Minimum Maximum Detected Mean 90th Percentile 95th Percentile 95th Percentile 95th Percentile 95th Percentile 95th Percentile 95th Percentile Number of sites Number of stes Number of Detects Pumber of sites Number of Detects Pumber of sites Number of Detects Percentage of Detects Minimum Maximum Detected Mean 90th Percentile 95th Percentile		13.86 5 66 68 100% -0.1 14.89 4.75 9.67 10.54 5 46 48 100% -0.1 13.55 4.57 10.70 11.29 6 101 100% -0.17 17.81 6.07	0.140 5 66 66 100% 0.011 0.218 0.09 0.16 0.17 5 46 46 100% 0.042 0.212 0.105 0.165 0.194 6 101 100 0.00 0.25 0.13 0.21 0.23	5 58 58 100% 10 14.81 12.62 14.20 14.57 5 41 100% 9.60 14.77 12.77 14.76 6 14.79 91 100% 9.40 16.51 12.33 14.30 14.82	8.04 5 65 65 65 100% 6.72 8.34 7.77 8.24 5 46 100% 6.90 8.90 7.79 8.25 8.60 100 100 100% 4.94 8.71 7.87 8.33 8.43	4.7 5 68 68 100% 0.5 34.6 6.59 20.33 26.06 5 45 100% 0.1 18.4 2.0 4.5 9.5 6 96 100% 0.1 4.2 0.64 1.1	0.118 5 74 74 100% 0.0035 2.97 0.22 0.38 0.94 5 46 45 98% ND 0.219 0.048 0.121 0.165 6 104 82 79% ND 0.189 0.029 0.040	0.0004 0.0004 0.0004 5 37 1 3% ND 0.0004 0.000 5 25 25 100% 0.0001 0.0004 0.0004 0.0004 0.0004 0.0004 1 2% ND 0.0004 0.0004 0.0004 1 11	0.005 0.005 0.005 0.005 5 74 3 4% ND 0.005 - 0.000 0.000 5 46 0 0 0% ND ND ND 0.0012 0.0050 0.0050 0.0050 0.0050 0.0050	0.010 0.010 0.010 0.010 5 74 40 54% ND 0.0147 0.01 0.01 0.01 5 46 25 53% ND 0.01000 0.01000 0.01000 6 104 55 53% ND 0.01440 0.01 0.01197 0.01200	0.005 0.005 0.005 5 37 18 49% ND 0.005 - 0.00 0.00 5 25 0 0 0% ND ND 0.0050 0.0050 6 48 0 0 0% ND	0.0005 0.0005 0.0005 5 37 0 0% ND ND - 0.000 0.000 5 5 25 0 0% ND	0.06 0.06 0.06 5 73 1 1% ND 0.05 -0.01 0.01 5 46 3 7% ND 0.06 0.01 0.00	0.000016 5 74 2 3% ND 0.000017 - 0.00 0.00 5 46 46 ND 0.000017 0.000017 0.000017 104 11 1% ND 0.000100 - 0.000100 - 0.000010	16.25 16.85 16.85 16.85 5 74 100% 0.9 22 10.37 18.28 19.18 46 46 100% 4.00 24.40 11.65 19.35 22.35 6 104 100% 2.00 31.20 15.57 24.60 26.06	0.0014 0.0017 5 74 15 20% ND 0.00203 0.00268 5 46 2 4% ND 0.0020 0.0020 0.0010 6 104 6 6% ND 0.0140 0.0022 0.0043	0.0003 0.0003 0.0003 5 73 13 18% ND 0.00074 0.00030 0.00033 5 46 2 4% ND 0.0003 0.0003 111	0.0011 0.0012 5 74 48 65% ND 0.00273 0.00112 0.00203 5 46 25 54% ND 0.0011 0.0010 6 104 81 78% ND 0.0030 0.0030 0.00020	0.08 0.13 5 74 60 81% ND 2.2 0.21 0.45 0.76 5 46 22 48% ND 0.29 0.06 0.14 0.19 6 104 58 56% ND 0.500 0.05 0.079	0.0004 0.0007 5 74 20 27% ND 0.00129 - 0.00080 0.00100 5 46 9 20% ND 0.00100 0.00100 104 104 10 108 ND 0.0020 - 0.0020 - 0.0003	0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.001 0.01 0.	10.1 10.7 5 74 73 99% ND 12 5.68 9.89 10.58 46 48 100% 3.0 14.1 6.8 11.2 13.2 6 104 1004 1004 1.0 18.1 9.47 15.0 16.0	0.0100 0.0118 5 74 38 51% ND 0.0215 0.01 0.01 5 46 22 48% ND 0.01000 0.01000 0.01000 6 104 46 44% ND 0.02000 - 0.02000 - 0.01000 0.01000 0.01000
Number of sites Number of samples Number of Detects Percentage of Detects Minimum Maximum Detected Mean 90th Percentile 95th Percentile		13.86 5 66 66 100% -0.1 14.89 4.75 9.67 10.54 5 46 100% -0.1 13.55 4.57 10.70 11.29 101 101 100% -0.17 17.81 6.07 11.14 13.14	0.140 5 66 66 100% 0.011 0.218 0.09 0.16 0.17 5 46 46 100% 0.042 0.212 0.105 0.165 0.194 6 101 100% 0.000 0.25 0.13 0.21 0.23	5 58 58 100% 10 14.81 12.62 14.20 14.57 5 41 100% 9.60 15.77 12.77 14.76 14.79 91 91 100% 9.40 16.51 12.33 14.30 14.82	8.04 5 65 65 65 100% 6.72 8.34 7.77 8.17 8.24 5 46 100% 6.90 8.90 7.79 8.25 8.60 100 100% 4.94 8.71 7.87 8.33 8.43	4.7 5 68 68 100% 0.5 34.6 6.59 20.33 26.06 5 45 45 100% 0.1 18.4 2.0 4.5 9.5 6 96 96 100% 0.1 4.2 0.64 1.1	0.118 5 74 74 100% 0.0035 2.97 0.22 0.38 0.94 5 46 45 98% ND 0.121 0.165 6 104 82 79% ND 0.189 0.02 0.049	0.0004 0.0004 0.0004 0.0004 5 37 1 3% ND 0.0004 - 0.000 0.000 5 225 25 100% 0.0001 0.0004 0.0002 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004	0.005 0.005 0.005 0.005 5 74 3 4% ND 0.005 - 0.00 0.00 0.00 5 46 0 0% ND ND ND 0.0012 0.0050 0.0050 0.0050	0.010 0.010 0.010 0.010 5 74 40 54% ND 0.0147 0.01 0.01 0.01 5 46 25 54% ND 0.01030 0.00750 0.01000	0.005 0.005 0.005 0.005 5 37 18 49% ND 0.005 0.00 0.00 0.00 0.00 0.00 0.00 6 0.0050 0.0050 0.0050 0.0050	0.0005 0.0005 0.0005 5 37 0 0% ND ND - 0.000 5 25 0 0% ND	0.06 0.06 0.06 0.06 0.06 0.06 5 73 1 1 17 18 ND 0.05 - 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.	0.000016 5 74 2 3% ND 0.000017 - 0.00 0.00 5 46 ND 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017	16.25 16.85 5 74 74 74 100% 0.9 22 10.37 18.28 19.18 5 46 46 100% 24.40 11.65 19.35 22.35 6 104 100% 2.00 31.20 31.20 15.57 24.60	0.0014 0.0017 5 74 15 20% ND 0.004 - 0.00203 0.00268 5 46 2 4% ND 0.0020 0.0006 0.00010 6 104 6 6 % ND 0.0140 - 0.0022 0.0002	0.0003 0.0003 0.0003 0.0003 5 73 13 18% ND 0.00074 - 0.00030 0.00033 5 46 2 4% ND 0.0003 0.0003 0.0003 103 1 1% ND 0.0003 - 0.0003 0.0003 0.0003 0.0003	0.0011 0.0012 5 74 48 65% ND 0.00273 0.00112 0.00200 5 46 25 54% ND 0.0011 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 104 81 78% ND 0.0030 0.000 0.0020 0.0020	0.08 0.13 5 74 60 81% ND 2.2 0.21 0.45 0.76 5 46 22 48% ND 0.29 0.06 0.14 0.19 6 104 58 56% ND 0.500 0.05 0.079 0.110	0.0004 0.0007 5 74 20 27% ND 0.00129 0.00100 5 46 9 20% ND 0.00100 104 0.00025 0.00030 104 100 0.00020 - 0.00030 0.0010	0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.001 0.01 0.	10.1 10.7 5 74 73 99% ND 12 5.68 9.89 10.58 5 46 46 100% 14.1 6.8 11.2 13.2 6 104 100% 1.0 18.1 9.47 15.0 16.0	0.0100 0.0118 5 74 38 511% ND 0.0215 0.01 0.01 0.01 5 48 22 483% ND 0.01000 0.00549 0.01000 0.01000 6 104 46 449% ND 0.02000 0.01000 0.01000 0.01000 0.01000
Number of sites Number of samples Number of samples Number Obetects Percentage of Detects Minimum Maximum Detected Mean 90th Percentile 95th Percentile 10 tects 11 tects 12 tects 13 tects 14 tects 15 tects 16 tects 17 tects 18 tect		13.86 5 66 68 100% -0.1 14.89 4.75 9.67 10.54 5 46 46 100% -0.1 13.55 4.57 10.70 11.29 6 101 100% -0.17 17.81 6.07 11.14 13.14	0.140 5 66 68 100% 0.011 0.218 0.09 0.16 0.17 5 46 46 100% 0.002 0.165 0.194 6 101 101 100% 0.00 0.25 0.13 0.21 0.23	5 58 58 58 100% 10 14.81 12.62 14.20 14.57 14.79 15.77 12.77 12.77 12.77 12.77 12.77 12.77 14.79 1 100% 9.40 15.51 12.33 14.30 14.82 11 4.51 100%	8.04 5 65 65 65 100% 6.72 8.34 7.77 8.17 8.24 5 46 46 46 100% 8.90 7.79 8.25 8.60 6 100 100 100% 4.94 8.71 7.87 8.33 8.43	4.7 5 68 68 68 100% 0.5 34.6 6.59 20.33 26.06 5 45 45 45 45 100% 0.1 18.4 2.0 4.5 9.5 6 96 100% 0.1 1.4 1.4 11 15 55 54 98%	0.118 5 74 74 74 100% 0.0035 2.97 0.22 0.38 0.94 5 46 45 98% ND 0.219 0.048 0.121 0.165 6 104 82 79% ND 0.189 0.02 0.049 11 54 48	0.0004 0.0004 0.0004 5 37 1 1 3% ND 0.0004 - 0.000 5 25 25 25 100% 0.0001 0.0004 0.0004 - 11 46 0 0 0%	0.005 0.005 0.005 0.005 5 74 3 4% ND 0.005 0.00 0.00 5 46 0 0% ND ND ND 0.0050 0.0050 6 104 0 0 0% ND ND 0.0050 111 54 5 9%	0.010 0.010 0.010 5 74 40 54% ND 0.0147 0.01 0.01 0.01 5 46 25 ND 0.01030 0.01030 0.01000 0.01000 6 104 55 53% ND 0.01440 0.01 0.01200 11 54 685%	0.005 0.005 0.005 5 37 18 49% ND 0.005 - 0.00 0.00 5 25 0 0% ND ND ND 0.0050 0.0050 6 48 0 0 0% ND	0.0005 0.0005 0.0005 5 37 0 0% ND ND - 0.000 5 25 0 0% ND	0.06 0.06 0.06 0.06 0.06 5 73 1 1% ND 0.05 - 0.01 0.01 0.01 0.01 0.01 0.06 0.06 0.01 0.01	0.000016 5 74 2 3% ND 0.000017 - 0.00 0.00 5 46 2 4% ND 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 11 41 -13 -32%	16.25 16.85 5 74 74 100% 0.9 22 10.37 18.28 19.18 5 46 40.00 24.40 11.65 19.35 22.35 6 104 100% 2.00 31.20 15.57 24.60 26.06	0.0014 0.0017 5 74 15 20% ND 0.00203 0.00268 5 46 2 4% ND 0.0020 0.0020 0.0010 6 104 6 6% ND 0.00140 - 0.0020 0.00140 - 104	0.0003 0.0003 0.0003 5 73 13 18% ND 0.00074 0.00030 0.00033 5 46 2 4% ND 0.0003 0.0003 103 1 11 1% ND 0.0003 0.0003 0.0003 0.0003 10003 0.0003 11 53 6 111%	0.0011 0.0012 5 74 48 65% ND 0.00273 0.00112 0.00200 0.00203 5 46 25 54% ND 0.0011 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 104 81 78% ND 0.0030 0.0020 0.0020 111 54 43	0.08 0.13 5 74 60 81% ND 2.2 0.21 0.45 0.76 5 46 22 48% ND 0.29 0.06 0.14 0.19 6 104 58 56% ND 0.500 0.05 0.079 0.110	0.0004 0.0007 5 74 20 27% ND 0.00129 0.00100 5 46 9 20% ND 0.00100 100 100 100 100 100 100 100 10	0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.001 0.01 0.	10.1 10.7 5 74 73 99% ND 12 5.68 9.89 10.58 5 46 46 100% 11.2 13.2 6 104 1004 1004 1005 11.0 18.1 9.47 15.0 16.0	0.0100 0.0118 5 74 38 51% ND 0.0215 0.01 0.01 5 46 22 48% ND 0.01000 0.01000 0.01000 6 104 44% AB 44% ND 0.02000 - 0.01000 0.01000 0.01000 11 54
Number of sites Number of samples Number of samples Number of Detects Percentage of Detects Minimum Maximum Detected Mean 90th Percentile 95th Percentile 95th Percentile 15th Percentile 95th Percentile 95th Percentile 95th Percentile 15th		13.86 5 66 66 100% -0.1 14.89 4.75 9.67 10.54 5 46 100% -0.1 13.55 4.57 10.70 11.29 6 101 101 101 100% -0.17 17.81 6.07 11.14 13.14 54 54 100% 0.08	0.140 5 66 66 66 100% 0.011 0.218 0.09 0.16 0.17 5 46 46 100% 0.042 0.212 0.105 0.165 0.194 6 101 101 101 100% 0.00 0.25 0.13 0.21 0.23	5 58 58 100% 10 14.81 12.62 14.20 14.57 15 14.79 16 6 91 100% 9.40 16.51 12.33 14.30 14.82 15 45 45 9.22	8.04 5 65 65 65 100% 6.72 8.34 7.77 8.17 8.24 5 46 100% 6.90 8.90 7.79 8.25 8.60 100 100% 4.94 8.71 7.87 8.33 8.43 11 54 54 54 54 100% 6.27	4.7 5 68 68 68 100% 0.5 34.6 6.59 20.33 26.06 5 45 45 100% 0.1 18.4 2.0 4.5 9.5 6 96 96 100% 0.1 4.2 0.64 1.1 1.4 11 55 54 98% ND	0.118 5 74 74 100% 0.0035 2.97 0.38 0.94 5 46 45 98% ND 0.219 0.048 82 79% ND 0.189 0.02 0.049 11 48 88% ND	0.0004 0.0004 0.0004 0.0004 5 37 1 3% ND 0.0004 - 0.000 0.000 5 25 25 100% 0.0001 0.0004 0.0004 0.0004 0.0004 0.0004 1 1 2% ND 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004	0.005 0.005 0.005 0.005 5 74 3 4% ND 0.005 0.00 0.00 0.00 5 46 0 0 0% ND ND ND ND ND ND ND ND ND 0.0012 0.0050 0.0050 104 0 0 104 0 105 0 105 104 0 105 105 105 105 105 105 105 105 105 1	0.010 0.010 0.010 0.010 5 74 40 54% ND 0.0147 0.01 0.01 5 46 25 54% ND 0.01030 0.00750 0.01000 0.01000 6 104 55 55% ND 0.01030 0.01000 104 104 104 104 104 104 104 105 105 104 104 104 105 105 104 104 104 105 105 105 106 107 107 107 107 107 107 107 107 107 107	0.005 0.005 0.005 5 37 18 49% ND 0.005 0.00 0.00 0.00 5 25 0 0% ND ND ND ND 0.0050 0.0050 6 48 0 0% ND	0.0005 0.0005 0.0005 5 37 0 0% ND ND - 0.000 0.000 5 25 0 0% ND	0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.07 0.01 0.01 0.01 0.01 0.01 0.01 0.01	0.000016 5 74 2 3% ND 0.000017	16.25 16.85 5 74 74 74 100% 0.9 22 10.37 18.28 19.18 5 46 100% 4.00 24.40 11.65 19.35 22.35 6 104 100% 2.00 31.20 15.57 24.60 26.06	0.0014 0.0017 5 74 15 20% ND 0.00203 0.00268 5 46 2 4% ND 0.0020 0.0006 0.0010 6 6 6% ND 0.00140 0.0022 0.00043	0.0003 0.0003 0.0003 5 73 13 18% ND 0.00074 - 0.00030 0.00033 5 46 2 4% ND 0.0003 0.0003 111 53 6 11% ND	0.0011 0.0012 5 74 48 65% ND 0.00273 0.00112 0.00200 0.00203 5 46 25 54% ND 0.0011 0.0001 0.0010 6 104 104 178% ND 0.0030 0.0020 0.0020 0.0020 11 54 43 80% ND	0.08 0.13 5 74 60 81% ND 2.2 0.21 0.45 0.76 5 46 22 48% ND 0.29 0.06 0.14 0.19 6 104 58 56% ND 0.500 0.05 0.079 0.110 11 54 16 30% ND	0.0004 0.0007 5 74 20 27% ND 0.00129 - 0.00100 5 46 9 20% ND 0.00100 6 104 10 10% ND 0.0003 104 10 10% ND 0.0003 104 10 0.0001 104 10 0.0001 104 10 0.0001 104 10 0.0001 104 100 0.0001 104 100 0.0001 104 100 0.0001 104 100 0.0001 0.0001 104 100 0.0001 104 100 0.0003 0.0001 104 100 0.0003	0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.001 0.01 0.	10.1 10.7 5 74 73 99% ND 12 5.68 9.89 10.58 5 46 100% 3.0 14.1 6.8 11.2 13.2 6 104 100% 1.0 18.1 9.47 15.0 16.0	0.0100 0.0118 5 74 38 51% ND 0.0215 0.01 0.01 0.01 5 46 22 48% ND 0.01000 0.00549 0.01000 0.01000 0.01000 0.01000 104 48 44% ND 0.02000 0.01000 0.01000 0.01000 0.01000 0.01000 0.01000 0.01000 0.01000 0.01000 0.01000 0.01000 0.01000
Number of sites Number of samples Number of samples Number Obetects Percentage of Detects Minimum Maximum Detected Mean 90th Percentile 95th Percentile		13.86 5 66 68 100% -0.1 14.89 4.75 9.67 10.54 5 46 46 100% -0.1 13.55 4.57 10.70 11.29 6 101 100% -0.17 17.81 6.07 11.14 13.14	0.140 5 66 66 100% 0.011 0.218 0.09 0.16 0.17 5 46 100% 0.042 0.212 0.105 0.165 0.165 0.194 101 100% 0.00 0.25 0.13 0.21 0.23 111 53 100% 0.02 170.00	5 58 58 58 100% 10 14.81 12.62 14.20 14.57 14.79 15.77 12.77 12.77 12.77 12.77 12.77 12.77 14.79 1 100% 9.40 15.51 12.33 14.30 14.82 11 4.51 100%	8.04 5 65 65 65 100% 6.72 8.34 7.77 8.17 8.24 5 46 46 46 100% 8.90 7.79 8.25 8.60 6 100 100 100% 4.94 8.71 7.87 8.33 8.43	4.7 5 68 68 68 100% 0.5 34.6 6.59 20.33 26.06 5 45 45 100% 0.1 18.4 2.0 4.5 9.5 6 96 100% 0.1 4.2 0.64 1.1 1.4 11 55 54 98% ND 72.60	0.118 5 74 74 74 100% 0.0035 2.97 0.22 0.38 0.94 5 46 45 98% ND 0.219 0.048 0.121 0.165 6 104 82 79% ND 0.189 0.02 0.049 11 54 48	0.0004 0.0004 0.0004 5 37 1 1 3% ND 0.0004 - 0.000 5 25 25 25 100% 0.0001 0.0004 0.0004 - 11 46 0 0 0%	0.005 0.005 0.005 0.005 5 74 3 4% ND 0.005 0.00 0.00 5 46 0 0% ND ND ND 0.0050 0.0050 6 104 0 0 0% ND ND 0.0050 111 54 5 9%	0.010 0.010 0.010 5 74 40 54% ND 0.0147 0.01 0.01 0.01 5 46 25 ND 0.01030 0.01030 0.01000 0.01000 6 104 55 53% ND 0.01440 0.01 0.01200 11 54 685%	0.005 0.005 0.005 5 37 18 49% ND 0.005 - 0.00 0.00 5 25 0 0% ND ND ND 0.0050 0.0050 6 48 0 0 0% ND	0.0005 0.0005 0.0005 5 37 0 0% ND ND - 0.000 5 25 0 0% ND	0.06 0.06 0.06 0.06 0.06 5 73 1 1% ND 0.05 - 0.01 0.01 0.01 0.01 0.01 0.06 0.06 0.01 0.01	0.000016 5 74 2 3% ND 0.000017 - 0.00 0.00 5 46 2 4% ND 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 11 41 -13 -32%	16.25 16.85 5 74 74 100% 0.9 22 10.37 18.28 19.18 5 46 40.00 24.40 11.65 19.35 22.35 6 104 100% 2.00 31.20 15.57 24.60 26.06	0.0014 0.0017 5 74 15 20% ND 0.00203 0.00268 5 46 2 4% ND 0.0020 0.0020 0.0010 6 104 6 6% ND 0.00140 - 0.0020 0.00140 - 104	0.0003 0.0003 0.0003 5 73 13 18% ND 0.00074 0.00030 0.00033 5 46 2 4% ND 0.0003 0.0003 103 1 11 1% ND 0.0003 0.0003 0.0003 0.0003 10003 0.0003 11 53 6 111%	0.0011 0.0012 5 74 48 65% ND 0.00273 0.00112 0.00200 0.00203 5 46 25 54% ND 0.0011 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 104 81 78% ND 0.0030 0.0020 0.0020 111 54 43	0.08 0.13 5 74 60 81% ND 2.2 0.21 0.45 0.76 5 46 22 48% ND 0.29 0.06 0.14 0.19 6 104 58 56% ND 0.500 0.05 0.079 0.110	0.0004 0.0007 5 74 20 27% ND 0.00129 0.00100 5 46 9 20% ND 0.00100 100 100 100 100 100 100 100 10	0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.001 0.01 0.	10.1 10.7 5 74 73 99% ND 12 5.68 9.89 10.58 5 46 46 100% 11.2 13.2 6 104 1004 1004 1005 11.0 18.1 9.47 15.0 16.0	0.0100 0.0118 5 74 38 51% ND 0.0215 0.01 0.01 0.01 5 46 22 48% ND 0.01000 0.01000 0.01000 104 46 44% ND 0.01000 0.01000 104 46 47% ND 0.01000 0.01000 0.01000 0.01000 0.01000
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BAFFINLAND IRON MINES CORPORATION

SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT STREAM WATER QUALITY DATA SUMMARY STATISTICS - MINE SITE GENERAL PARAMETERS AND TOTAL METALS

In Situ Parameters Laboratory Results SpC DO Site ID Sodium Sample Date Temp Mercury Molybdenum Nickel Potassium Selenium Silicon Silver Strontium Thallium Tin Titanium Uranium Vanadium Zinc рΗ (°C) mg/L Total 0.03 Receiving Water Quality Objectives 9.5 6.5 - 9.0 0.000026 0.073 0.083 0.001 0.0001 0.0008 0.015 0.006 0.001 0.02 0.005 0.0001 0.05 0.0002 0.0009 0.001 MDL (2005) 0.0003 0.001 0.001 0.003 MDL (2006) 0.005 0.005 0.01 0.001 0.0001 0.05 0.001 0.01 0.001 0.01 0.001 0.001 MDL (2007) 0.001 0.00001 0.0001 0.0001 0.00005 0.00005 0.0005 2 0.05 2 0.0001 0.01 0.00001 MDL (2008) 0.00001 0.00005 0.0005 0.05 0.001 0.05 0.00001 0.05 0.0001 0.0001 0.0001 0.01 0.00001 0.001 0.001 0.05 0.000001 0.0001 0.00001 0.001 0.003 MDL (2011) 0.00001 0.00005 0.0005 0.05 0.001 0.0012 0.0001 0.0001 0.01 Mary River - Downstream of Mary Lake: lumber of sampl Number of Detect 100% 100% 0.04 100% 9.97 100% 6.60 24% ND 7% ND 86% ND 100% 0.37 88% ND 100% 0.0044 12% ND 100% 7% ND aximum Detected 11.67 0.18 14.75 8.28 ND 0.00500 0.0050 2.00 0.67 ND 0.97 0.00060 2.00 0.0102
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BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT STREAM WATER QUALITY DATA SUMMARY STATISTICS - MINE SITE DISSOLVED METALS

Laboratory Results

Arsenic Barium Beryilium Biamuth Boron Cadmium Calcium Chromium Cobalt Copper Iron

October Obsorbed Dissolved Disso Lead 0.004 0.0004 0.005 0.001 0.005 0.0003 0.05 0.0001 0.05 0.001 0.003 0.0008 0.02 0.0002 0.005 - 0.001 0.01 - - 0.01 0.001 1 0.001 0.0002 0.001 0.03 0.001 MDL (2006) MDL (2007) 0.01 0.000017 0.05 0.0005 0.0001 0.0001 0.03 0.00005 0.001 0.001 0.0001 0.0005 0.0005 0.0005 0.0005 0.001 0.0001 0.05 0.0006 0.001 0.001 0.001 0.03 0.0005 0.005 0.1

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TABLE 3.2

SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT STREAM WATER QUALITY DATA SUMMARY STATISTICS - MINE SITE DISSOLVED METALS

Site ID	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silicon	Silver	aboratory Result Sodium	Strontium	Thallium	Tin	Titanium	Uranium	Vanadium	Zinc
	Dissolved	Dissolved	Dissolved	Dissolved	Dissolved	Dissolved	Dissolved	Dissolved	Dissolved	Dissolved	Dissolved	Dissolved	Dissolved	Dissolved	Dissolve
DL (2005)	-	0.0003	0.001	0.02	0.005	-	0.0001	0.05	0.001	0.0002	0.001	0.003	-	0.0009	0.001
DL (2006) DL (2007)	0.00005	0.0005	0.005	0.01	0.001	0.05	0.0001	0.05	0.001	0.0001	0.01	0.01	0.00001	0.001	0.001
IDL (2008)	0.00001	0.00005	0.0005	0.05	0.001	0.05	0.00001	0.05	0.0001	0.0001	0.0001	0.01	0.00001	0.001	0.001
IDL (2011)	0.00001	0.00005	0.0005	0.05	0.001	0.05	0.000001	0.0012	0.0001	0.0001	0.0001	0.01	0.00001	0.001	0.003
lary River - Downstream of Mary Lake															
lumber of sites	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
lumber of samples	12	42	42	42	42	12	42	42	42	24	42	17	12	42	42
lumber of Detects	0	11	0	36	0	12	0	36	42	0	0	0	12	1	7
Percentage of Detects	0%	26%	0%	86%	0%	100%	0%	86%	100%	0%	0%	0%	100%	2%	17%
Minimum	ND	ND	ND	ND	ND	0.31	ND	ND	0.0043	ND	ND	ND	0.00010	ND	ND
Maximum Detected	ND	0.00500	ND	2.00	ND	0.57	ND	2.0000	0.0120	ND	ND	ND	0.00075	0.001	0.010
Mean	-	-	-	0.67	-	0.42	-	0.7818	0.0077	-	-	-	0.00054	-	-
90th Percentile 95th Percentile	0.00005	0.00500	0.0050	2.00	0.005	0.56	0.0001	2.0000	0.0100	0.0002	0.0100	0.01	0.00074	0.001	0.010
Downstream of Deposits	0.00003	0.00000	0.0000	2.00	0.003	0.37	0.0001	2.0000	0.0102	0.0002	0.0100	0.01	0.00074	0.001	0.010
Number of sites	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
lumber of samples	204	396	393	410	405	204	400	410	405	297	399	232	208	402	405
lumber of Detects	-9	183	70	384	1	204	-9	402	405	-3	-4	9	204	10	89
Percentage of Detects	-4%	46%	18%	94%	0%	100%	-2%	98%	100%	-1%	-1%	4%	98%	2%	22%
Minimum	ND	ND	ND	ND	ND	0.21	ND	ND	0.001	ND	ND	ND	ND	ND	ND
Maximum Detected	31.00000	84.70000	0.0500	19.70	4.200	927.00	2680	110.00	857	0.001	0.10	55.00	1.83000	0.010	9.900
Mean	0.15198	0.21643	0.0031	1.47	0.012	5.44	6.7001	3.77	2.6	0.0002	0.00	0.25	0.01099	0.001	0.032
10th Percentile	0.00005	0.00500	0.0050	2.67	0.005	1.32	0.0001	5.487	0.3846	0.00020	0.01	0.01	0.00442	0.001	0.010
5th Percentile	0.00005	0.00500	0.0050	5.39	0.006	1.51	0.0001	18.000	2.020	0.001	0.010	0.01	0.00526	0.005	0.014
ributaries of Sheardown Lake												1			_
lumber of sites	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
Number of samples	44	75	75	75	75	44	75	75	75	64	75	60	44	75	75
Number of Detects	0	59	53	70	2 20/	44	0	70	75	0	0	0	43	11	26
Percentage of Detects	0% ND	79% ND	71% ND	93% ND	3% ND	100%	0% ND	93% ND	100% 0.0017	0% ND	0% ND	0% ND	98% ND	15% ND	35% ND
Maximum Detected	ND ND	ND 0.01410	ND 0.0077	ND 2.71	0.005	0.11 4.33	ND ND	ND 3.2300	0.0017	ND ND	ND ND	ND ND	ND 0.01150	ND 0.002	0.010
Mean	0.00002	0.01410	0.0077	1.30	0.005	1.30	0.000045	0.9365	0.0267	0.0001	0.0024	0.01	0.01150	0.002	0.010
wean 30th Percentile	0.00002	0.00247	0.0022	2.10	0.002	1.30	0.00045	2.0000	0.0095	0.0001	0.0024	0.01	0.00258	0.001	0.004
95th Percentile	0.00005	0.00500	0.0050	2.33	0.005	2.93	0.0001	2.4640	0.0140	0.0002	0.0100	0.01	0.00828	0.001	0.010
Background Tributary to Mary River															
Number of sites	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Number of samples	4	16	16	16	16	4	16	16	16	13	16	12	4	16	16
Number of Detects	0	4	11	15	0	4	1	15	16	0	0	0	4	3	8
Percentage of Detects	0%	25%	69%	94%	0%	100%	6%	94%	100%	0%	0%	0%	100%	19%	50%
Vlinimum	ND	ND	ND	ND	ND	0.69	ND	ND	0.0010	ND	ND	ND	0.00022	ND	ND
Maximum Detected	ND	0.00500	0.0050	2.00	ND	1.16	0.00010	2.0000	0.0127	ND	ND	ND	0.00069	0.001	0.010
Mean	0.00002	0.00144	0.0022	0.70	0.003	0.98	0.0001	0.5226	0.0060	0.0002	0.0030	0.01	0.00043	0.001	0.004
30th Percentile	0.00004	0.00500	0.0050	0.76	0.005	1.16	0.0001	0.7075	0.0100	0.0002	0.0100	0.01	0.00064	0.001	0.010
95th Percentile	0.00004	0.00500	0.0050	1.09	0.005	1.16	0.0001	1.1788	0.0114	0.0002	0.0100	0.01	0.00066	0.001	0.010
Jpstream of Deposits	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Number of samples	36	73	73	73	74	35	73	74	73	49	73	37	36	73	74
Number of Detects	3	32	3	66	0	35	0	73	72	0	0	3	36	4	13
Percentage of Detects	8%	44%	4%	90%	0%	100%	0%	99%	99%	0%	0%	8%	100%	5%	18%
Vinimum	ND	ND	ND	ND	ND	0.21	ND	ND	ND	ND	ND	ND	0.00006	ND	ND
Maximum Detected	0.00010	0.00500	0.0050	2.00	ND	2.43	ND	4.1400	0.0217	ND	ND	0.05	0.00857	0.002	0.010
Mean	-	-	-	0.87	-	0.84	-	1.3503	0.0097	-	-	-	0.00279	-	-
90th Percentile	0.00005	0.00500	0.0050	2.00	0.001	1.14	0.0001	2.9490	0.0166	0.0001	0.0100	0.01	0.00525	0.001	0.010
95th Percentile	0.00005	0.00500	0.0050	2.00	0.001	1.19	0.0001	3.3000	0.0175	0.0001	0.0100	0.01	0.00707	0.001	0.010
Tom River Area															
Number of sites	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Number of samples	18	46	46	46	46	18	46	46	46	25	46	24	18	46	46
Number of Detects	0	17	0	42	0	18	0	45	46	0	0	0	18	4	13
Percentage of Detects	0% ND	37%	0% ND	91% ND	0% ND	100%	0% ND	98% ND	100%	0% ND	0% ND	0% ND	100%	9% ND	28% ND
Minimum Maximum Detected	ND ND	ND 0.00500	ND ND	ND 2.00	ND ND	0.30	ND ND	ND 2.8000	0.0027	ND ND	ND ND	ND ND	0.00006	ND 0.002	ND 0.010
Mean	0.00002	0.00500	0.0027	0.76	0.002	0.94	0.0001	0.9259	0.0144	0.0001	0.0050	0.01	0.00344	0.002	0.010
wean 30th Percentile	0.00002	0.00249	0.0027	0.76	0.002	0.59	0.0001	1.5550	0.0071	0.0001	0.0050	0.01	0.00121	0.001	0.006
95th Percentile	0.00005	0.00500	0.0050	2.00	0.005	0.92	0.0001	2.6000	0.0140	0.0002	0.0100	0.01	0.00317	0.001	0.010
Fributaries of Camp Lake															
Number of sites	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Number of samples	33	101	101	103	104	31	103	104	101	62	103	48	32	103	104
lumber of Detects	0	30	35	94	1	31	0	97	101	0	0	0	31	11	104
Percentage of Detects	0%	30%	35%	91%	1%	100%	0%	93%	100%	0%	0%	0%	97%	11%	100%
Minimum	ND	ND	ND	ND	ND	0.24	ND	ND	0.0018	ND	ND	ND	ND	ND	0.001
Maximum Detected	ND	0.00500	0.0100	2.00	8.000	2.02	ND	3.4000	0.0323	ND	ND	ND	0.00298	0.002	0.017
Mean	0.00002	0.00282	0.0034	0.99	0.079	1.04	0.000081	0.7838	0.0090	0.0001	0.0055	0.01	0.00113	0.001	0.006
10th Percentile	0.00005	0.00500	0.0050	1.93	0.005	1.71	0.0001	1.7170	0.0146	0.0002	0.0100	0.01	0.00207	0.001	0.010
5th Percentile	0.00005	0.00500	0.0050	2.00	0.005	1.78	0.0001	2.0000	0.0168	0.0002	0.0100	0.01	0.00232	0.002	0.010
Orainages off Deposit	1														
lumber of sites	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
lumber of samples	37	48	48	48	48	36	48	49	48	46	48	41	37	48	49
Number of Detects Percentage of Detects	0	39 81%	17%	47 98%	2 4%	36 100%	4 8%	48 98%	48 100%	3 7%	3 6%	3 7%	36 97%	3 6%	6 12%
rercentage of Detects Animum	ND	81% ND	17% ND	98% ND	4% ND	0.31	ND	98% ND	0.0010	ND	ND	ND	97% ND	ND	12% ND
Animum Detected	ND ND	0.00500	0.0050	2.20	0.005	1.53	0.0001	4.3200	0.0010	0.0002	0.0100	0.01	0.00397	0.002	0.010
Mean Detected	-	0.00094	-	0.85	-	0.70	-	0.8132	0.0204	- 0.0002	-	-	0.00357	-	-
10th Percentile	0.00001	0.00500	0.0050	1.38	0.003	0.93	0.0001	1.8960	0.0343	0.0002	0.0100	0.01	0.00284	0.001	0.010
		-						2.4860	0.0825	0.0002	0.0100	0.01			0.010
5th Percentile 1102/00181301/AiReportiReport 5, Rev 0 - Aquatic Program Immary ReportiTables\[Table3.2.xls]Table 3.2	0.00006	0.00500	0.0050	1.94	0.005	1.07	0.0001	2.4860	0.0025	0.0002	0.0100	0.01	0.00328	0.002	0.01



TABLE 3.3 BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT STREAM WATER QUALITY DATA SUMMARY STATISTICS - MINE SITE TO STEENSBY PORT GENERAL PARAMETERS AND TOTAL METALS

							TICKE HATE	- QUALITURI	A SUMMART S	TATIOTICO - NI	NE SITE TO ST	ENGOT FORT			TOTALMETA						Prin	t Sep/28/10 13:44:07
Site ID Receiving Water Quality Objectives	Temp (°C)	SpC mS/cm	DO Total 9.50	pH 6.5 - 9.0	Alkalinity Total	Br- mg/L	CI- mg/L	Conductivity uS/cm	NH3+NH4 mg/L N 0.021+231.3	NO2- mg/L N 0.060	NO3- mg/L N 13.00	NO2+NO3 mg/L N	Phenois mg/L 0.004	SO4- mg/L	TKN mg/L	TOC mg/L	DOC mg/L	TSS mg/L	TDS mg/L	Hardness mg/L CaCO3	Phosphorus Total	Turbidity NTU
MDL (2005) MDL 2006) MDL (2007)					2 5 5	0.3 0.05 0.05	0.2	1 5 5	0.1 0.02 0.02	0.06 0.005 0.005	0.05 0.1 0.1	0.06 0.1 0.1	0.001 0.001 0.001	0.5	0.1	0.5	0.5	2	30 5 5	0.5 1	0.02 0.01 0.003	0.1 0.1 0.1
MDL (2008) MDL (2011) Cockburn Area					5	0.05	1	5	0.02	0.005	0.1	0.1	0.001	1	0.1	0.5	0.5	2	5	0.5 0.5	0.003	0.1
Number of samples Number of Detects Percentage of Detects	25 25 100%	25 25 100%	25 25 100%	25 25 100%	29 29 100%	29 29 100%	29 29 100%	29 29 100%	29 29 100%	29 29 100%	29 29 100%	29 29 100%	29 29 100%	29 29 100%	22 22 100%	22 22 100%	22 22 100%	22 22 100%	29 29 100%	29 29 100%	29 29 100%	29 29 100%
Minimum Maximum Detected Mean	0.02 13.48 5.51	0.01 0.02 0.01	10.30 14.90 12.76	5.88 7.55 6.57	3.00 8.00 4.97	0.05 0.30 0.21	1.00 3.00 1.14	6.00 33.00 11.45	0.02 0.70 0.08	0.00 0.10 0.02	0.05 0.11 0.10	0.06 0.11 0.10	0.001 0.001 0.00	0.50 2.00 1.14	0.05 0.37 0.12	0.50 4.00 1.35	0.50 3.30 1.24	2.00 2.00 2.00	5.00 49.00 10.21	1.00 4.50 2.38	0.003 0.100 0.01	0.20 9.00 1.50
90th Percentile Ravn River - Upstream of Angajurjualu	12.73 uk Lake	0.01	14.41	7.20	5.00	0.26	1.26	15.20	0.10	0.06	0.10	0.10	0.001	2.00	0.18	2.14	1.95	2.00	22.80	3.14	0.020	3.40
Number of samples Number of Detects Percentage of Detects	10 10 100%	10 10 100%	9 9 100%	10 10 100%	12 12 100%	12 12 100%	12 12 100%	12 12 100%	12 12 100%	12 12 100%	12 12 100%	12 12 100%	12 12 100%	12 12 100%	8 8 100%	8 8 100%	8 8 100%	8 8 100%	12 12 100%	12 12 100%	12 12 100%	12 12 100%
Minimum Maximum Detected Mean	0.23 16.06 5.32	0.01 0.04 0.02	9.54 15.21 12.79	6.43 8.50 7.19	5.00 21.00 10.92	0.05 0.30 0.19	1.00 3.00 1.34	9.00 40.00 26.25	0.02 0.30 0.06	0.00 0.10 0.02	0.05 0.12 0.10	0.06 0.12 0.10	0.001 0.001 0.00	1.00 9.00 1.90	0.10 0.40 0.19	1.00 5.70 2.64	1.10 4.90 2.39	2.00 2.00 2.00	6.00 66.00 20.50	3.00 18.00 10.18	0.00 0.100 0.013	0.70 4.10 1.93
90th Percentile Rowley River Number of samples	15.98	7	14.63	8.07	15.90 7	0.25 7	2.00	39.10	7	7	0.10	0.10	0.001	2.00	0.31	5.21	4.55	2.00	25.40	17.26	0.010	3.39
Number of Detects Percentage of Detects Minimum	7 100% 0.24	7 100% 0.01	7 100% 12.17	7 100% 6.14	7 100% 5.00	7 100% 0.05	7 100% 1.00	7 100% 13.00	7 100% 0.02	7 100% 0.00	7 100% 0.05	7 100% 0.06	7 100% 0.001	7 100% 0.60	6 100% 0.10	6 100% 0.90	6 100% 0.90	6 100% 2.00	7 100% 8.00	7 100% 4.00	7 100% 0.00	7 100% 0.30
Maximum Detected Mean 90th Percentile	6.97 4.31 6.81	0.03 0.02 0.03	13.94 13.05 13.87	7.26 8.15	7.00 11.80	0.30 0.23 0.27	3.00 1.46 2.40	31.00 18.00 25.60	0.70 0.12 0.30	0.06 0.01 0.03	0.10 0.09 0.10	0.10 0.09 0.10	0.001 0.00 0.001	2.00 1.09 1.40	0.29 0.14 0.22	2.30 1.23 1.85	1.90 1.17 1.60	8.00 3.00 5.00	60.00 18.57 36.00	9.10 5.92 8.44	0.100 0.017 0.044	3.20 1.05 2.60
Steensby Port Area Number of samples Number of Detects	9	9	9	9	12	12	12	12	12 12	12	12	12	12	12	12	12	12	12	12	12	12	12
Percentage of Detects Minimum Maximum Detected	100% 1.3 12.06	0.011 0.292	100% 8.79 13.37	100% 6.36 7.28	100% 5 108	100% 0.25 0.25	100% 2 300	100% 17 1330	100% 0.02 0.21	100% 0.005 0.1	0.1 0.1	0.1 0.1	0.001 0.001	100% 1.00 76.00	0.10 0.43	100% 0.80 6.90	100% 0.50 7.00	100% 2.00 16.00	100% 11.00 864.00	3.70 341.00	0.003 0.036	0.10 11.1
Mean 90th Percentile Mid-Rail Camp Area	5.95 9.45	0.10	11.80	6.91 7.22	28.83 87.60	0.25	36.50 32.90	194.00 288.20	0.04	0.01	0.10	0.10	0.00	9.33 7.90	0.17	2.56 3.77	2.42 3.67	3.33	126.08 187.00	53.01 102.54	0.01	1.53 2.19
Number of samples Number of Detects Percentage of Detects	4 4 100%	5 5 100%	5 5 100%	5 5 100%	9 9 100%	9 9 100%	9 9 100%	9 9 100%	9 9 100%	9 9 100%	9 9 100%	9 9 100%	9 9 100%	9 9 100%	9 9 100%	9 9 100%	9 9 100%	9 9 100%	9 9 100%	9 9 100%	9 9 100%	9 9 100%
Minimum Maximum Detected Mean	0.61 15.04 6.16	0.012 0.02 0.02	8.96 12.94 11.76	5.57 6.39 6.09	5 10 6.44	0.25 0.25 0.25	1 7 2.89	12 40 23.78	0.02 0.04 0.02	0.005 0.1 0.03	0.1 0.1 0.10	0.1 0.1 0.10	0.001 0.001 0.00	1.00 1.00	0.10 0.53 0.24	3.00 5.50 4.11	2.20 4.90 3.42	2.00 3.00 2.11	8.00 26.00 15.56	3.50 12.90 8.06	0.003 0.016 0.007	0.40 7.10 2.07
90th Percentile Camp Lake to Steensby Port \$1-010	11.98	0.02	12.90	6.35	10.00	0.25	5.40	31.20	0.03	0.10	0.10	0.10	0.001	1.00	0.39	5.34	4.58	2.20	20.40	10.98	0.015	5.90
Number of samples Number of Detects Percentage of Detects	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%					4 4 100%	4 4 100%	4 4 100%	4 4 100%
Percentage of Detects Minimum Maximum Detected Mean	0.01 8.92 2.39	0.012 0.053 0.02	100% 10.98 15.45 13.31	7.33 6.90	7.00 22.00 12.08	0.05 0.30 0.24	0.30 3.80 1.40	18.00 58.00 32.25	0.02 0.40 0.23	0.06 0.10 0.07	0.05 0.10 0.06	0.06 0.10 0.07	0.001 0.001 0.00	0.50 2.00 1.25					19.00 30.00 27.25	5.58 20.00 9.72	0.01 0.100 0.04	0.23 28.70 7.96
Mean 90th Percentile S1-011 Number of samples	2.39 6.42	0.02	13.31	7.24	12.08 18.40	0.24	1.40 2.96	32.25 49.30	0.23	0.07	0.06	0.07	0.00	1.25					27.25 30.00	9.72 16.18	0.04	7.96 20.72
Number of samples Number of Detects Percentage of Detects Minimum	1 1 100%	1 100%	1 100%	1 1 100% 7.48	1 1 100% 8.00	1 100%	1 1 100%	1 1 100%	1 1 100%	1 1 100%	1 1 100%	1 1 100%	1 100%	1 1 100%					1 100% 30.00	1 1 100%	1 1 100%	1 1 100%
Maximum Detected Mean	0.22 0.22	0.01	13.40 13.40	7.48 7.48	8.00 8.00	0.30	0.60	22.00 22.00	0.20 0.20	0.06	0.05	0.06	0.001	0.50					30.00 30.00	9.20 9.20	0.02	0.36 0.36
90th Percentile S1-020 Number of samples Number of Detects	1 1	0.01	13.40	7.48	1 1	0.30	0.60	22.00	0.20	0.06	0.05	1 1	0.001	0.50					30.00	9.20	1 1	0.36
Number of Detects Percentage of Detects Minimum Maximum Detected	1 100% 0.70	1 100% 0.03	1 100% 15.81	1 100% 7.11	1 100% 18.00	1 100% 0.30	1 100% 0.30	1 100% 40.00	1 100% 0.90	1 100% 0.06	1 100% 0.05	1 100% 0.06	1 100% 0.002	1 100% 0.70					100%	1 100% 13.50	1 100% 0.1	100%
Maximum Detected Mean 90th Percentile	0.70 0.70 0.70	0.03 0.03 0.03	15.81 15.81 15.81	7.11 7.11 7.11	18.00 18.00 18.00	0.30 0.30 0.30	0.30 0.30 0.30	40.00 40.00 40.00	0.90 0.90 0.90	0.06 0.06 0.06	0.05 0.05 0.05	0.06 0.06 0.06	0.002 0.00 0.002	0.70 0.70 0.70					30.00 30.00 30.00	13.50 13.50 13.50	0.1 0.10 0.100	0.70 0.70 0.70
S1-030 Number of samples Number of Detects	4	4 4	4	4	4	4	4	4	4	4	4	4	4	4					4	4	4	4
Percentage of Detects Minimum Maximum Detected	100% 1.72 7.37	100% 0.03 0.04	100% 12.57 14.14	100% 6.74 7.53	100% 16.00 22.00	100% 0.05 0.30	100% 0.50 1.00	100% 39.00 46.00	100% 0.03 2.10	0.01 0.06	100% 0.05 0.10	0.06 0.10	0.001 0.001	100% 0.70 2.00					100% 27.00 30.00	100% 15.40 18.00	100% 0.01 0.1	100% 0.14 0.22
Mean 90th Percentile \$1-040	3.52 6.13	0.03	13.40 13.95	7.05 7.37	18.00	0.24	0.73	41.25 44.50	0.63 1.56	0.05	0.06	0.07	0.00	1.05					29.25 30.00	16.65 17.91	0.04	0.19
Number of samples Number of Detects Percentage of Detects	4 4 100%	4 100%	4 100%	4 100%	4 4 100%	4 4 100%	4 100%	4 100%	4 4 100%	4 4 100%	4 100%	4 4 100%	4 4 100%	4 4 100%					4 4 100%	4 100%	4 100%	4 4 100%
Minimum Maximum Detected Mean	0.88 7.04 3.87	0.04 0.05 0.04	11.41 15.71 13.14	6.50 7.53 7.18	16.00 25.00 19.75	0.05 0.30 0.11	0.80 1.00 0.95	37.00 52.00 43.25	0.02 0.30 0.12	0.01 0.06 0.02	0.05 0.10 0.09	0.06 0.10 0.09	0.001 0.002 0.00	0.90 3.00 1.97					24.00 40.00 30.75	16.00 25.00 19.50	0.01 0.020 0.01	0.20 0.50 0.33
90th Percentile S1-050 Number of samples	6.75	0.05	14.98	7.50	23.50	0.23	1.00	49.90	0.25	0.04	0.10	0.10	0.002	2.70					38.20	23.80	0.017	0.47
Number of Detects Percentage of Detects Minimum	3 100% 3.46	3 100% 0.02	3 100% 11.09	3 100% 6.12	3 100% 7.00	3 100% 0.30	3 100% 0.50	3 100% 19.00	3 100% 0.10	3 100% 0.06	3 100% 0.05	3 100% 0.06	3 100% 0.001	3 100% 0.50					3 100% 30.00	3 100% 7.55	3 100% 0.02	3 100% 0.31
Maximum Detected Mean 90th Percentile	8.95 5.86 8.20	0.02 0.02 0.02	14.35 12.88 14.12	7.02 6.51 6.90	8.00 7.63 7.98	0.30 0.30 0.30	1.30 0.77 1.14	24.00 21.00 23.20	0.30 0.20 0.28	0.06 0.06 0.06	0.05 0.05 0.05	0.06 0.06	0.002 0.00 0.002	0.60 0.53 0.58					30.00 30.00 30.00	10.20 8.47 9.69	0.1 0.05 0.084	0.34 0.33 0.34
S1-960 Number of samples	4 4	4 4	4 4	4 4	4	4	4 4	4	4	4	4	4	4	4					4	4 4	4 4	4 4
Number of Detects Percentage of Detects Minimum	100%	100%	100% 12.00	100% 5.13	4 100% 3.00	4 100% 0.05	100%	4 100% 14.00	4 100% 0.03	4 100% 0.01	4 100% 0.05	4 100% 0.06	4 100% 0.001	4 100% 0.50					4 100% 9.00	100%	100%	100%
Maximum Detected Mean 90th Percentile	7.38 2.22 5.37	0.02 0.01 0.02	16.04 14.49 15.97	6.94 6.07 6.79	5.00 4.18 5.00	0.30 0.24 0.30	1.30 1.10 1.27	17.00 15.00 16.40	0.40 0.21 0.34	0.06 0.05 0.06	0.10 0.06 0.09	0.10 0.07 0.09	0.001 0.00 0.001	2.00 0.93 1.58					31.00 25.00 30.70	5.77 4.87 5.54	0.1 0.04 0.076	1.55 1.06 1.40
S1-070 Number of samples Number of Detects	4	4	4	4	4	4	4	4	4	4	4	4	4	4					4	4	4	4
Percentage of Detects Minimum Maximum Detected	-0.06 8.39	0.01 0.01	9.44 16.11	100% 5.30 6.45	100% 2.00 7.00	0.05 0.30	0.30 1.10	100% 10.00 12.00	0.05 0.80	0.01 0.06	0.05 0.10	0.06 0.10	0.001 0.001	0.50 2.00					8.00 30.00	1.00% 1.00 3.39	0.01 0.1	100% 0.54 1.91
Mean 90th Percentile \$1-080	2.27 6.01	0.01	13.92 16.07	5.79 6.35	4.25 6.40	0.24	1.07	11.50 12.00	0.29	0.05	0.07	0.07	0.00	0.93 1.58					24.50 30.00	2.67 3.34	0.04	1.15
Number of samples Number of Detects Percentage of Detects	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%					4 4 100%	4 4 100%	4 4 100%	4 4 100%
Minimum Maximum Detected Mean	-0.07 7.03 3.56	0.01 0.01 0.01	11.24 14.74 12.83	5.86 6.76 6.31	2.00 5.00 4.25	0.05 0.30 0.11	0.20 1.00 0.80	6.00 10.00 7.50	0.02 0.40 0.13	0.01 0.06 0.03	0.05 0.10 0.09	0.06 0.10 0.09	0.001 0.001 0.00	0.50 2.00 1.63					5.00 31.00 12.00	1.87 3.00 2.22	0.01 0.1 0.03	0.60 2.30 1.19
90th Percentile \$1-090 Number of samples	6.31	0.01	14.35	6.69	5.00	0.23	1.00	9.10	0.30	0.05	0.10	0.10	0.001	2.00					23.80	2.70	0.073	1.94
Number of Detects Percentage of Detects Minimum	2 100% 0.87	2 100% 0.01	2 100% 8.96	2 100% 6.56	2 100% 2.00	2 100% 0.30	2 100% 0.40	2 100% 12.00	2 100% 0.10	2 100% 0.06	2 100% 0.05	2 100% 0.06	2 100% 0.001	2 100% 0.80					2 100% 30.00	2 100% 3.50	2 100% 0.02	2 100% 0.81
Maximum Detected Mean 90th Percentile	9.96 5.42 9.05	0.01 0.01 0.01	15.76 12.36 15.08	6.65 6.61 6.64	4.00 3.00 3.80	0.30 0.30 0.30	1.10 0.75 1.03	13.00 12.50 12.90	0.20 0.15 0.19	0.06 0.06 0.06	0.07 0.06 0.07	0.07 0.07 0.07	0.001 0.00 0.001	0.90 0.85 0.89					30.00 30.00 30.00	3.95 3.73 3.91	0.02 0.02 0.020	1.38 1.09
S1-110 Number of samples Number of Detects	4 4	4 4	4 4	4 4	6	6	6 6	6 6	6	6	6	6	6 6	6	2 2	2 2	2 2	2 2	6 6	6	6 6	6
Number of Detects Percentage of Detects Minimum Maximum Detected	100% 0.71 7.42	0.01 0.12	100% 11.82 15.07	4 100% 5.73 7.06	5 100% 3.00 7.90	0.05 0.30	100% 2.00 4.80	100% 15.00 35.00	0.03 0.90	0.01 0.10	0.05 0.10	0.06 0.10	0.001 0.001	0.90 2.00	100% 0.10 0.11	100% 0.80 1.10	100% 0.70 1.10	2 100% 2.00 2.00	100% 10.00 40.00	100% 3.00 7.79	0.003 0.100	0.30 0.95
Mean 90th Percentile	7.42 3.40 6.56	0.12 0.05 0.09	15.07 13.44 14.65	7.06 6.35 6.86	7.90 5.32 6.95	0.30 0.24 0.30	3.40 4.40	35.00 24.67 31.50	0.90 0.27 0.70	0.10 0.05 0.08	0.10 0.08 0.10	0.10 0.08 0.10	0.001 0.00 0.001	1.25 1.75	0.11 0.11 0.11	1.10 0.95 1.07	1.10 0.90 1.06	2.00 2.00 2.00	40.00 25.33 40.00	7.79 4.66 6.19	0.100 0.03 0.060	0.95 0.49 0.72
S1-120 Number of samples Number of Detects Percentage of Detects	4 4 100%	4 4 100%	4 4 100%	4 4 100%	6 6 100%	6 6 100%	6 6 100%	6 6 100%	6 6 100%	6 6 100%	6 6 100%	6 6 100%	6 6 100%	6 6 100%	2 2 100%	2 2 100%	2 2 100%	2 2 100%	6 6 100%	6 6 100%	6 6 100%	6 6 100%
Percentage of Detects Minimum Maximum Detected Mean	0.35 8.63 2.54	0.02 0.03 0.02	100% 11.18 16.61 14.33	6.61 6.74 6.66	4.00 4.00 15.00 8.67	0.05 0.30 0.24	2.00 22.00 7.02	17.00 17.00 115.00 48.00	0.02 0.60 0.25	0.01 0.10 0.05	0.05 0.10 0.08	0.06 0.10 0.08	0.001 0.001 0.00	1.10 6.00 2.52	0.10 0.10 0.10	2.60 2.70 2.65	2.20 2.40 2.30	2.00 2.00 2.00	100% 11.00 75.00 40.50	5.00 25.90 11.49	0.003 0.100 0.03	0.51 2.90 1.34
Mean 90th Percentile \$2-010 Number of samples	6.22	0.03	16.44	6.72	13.50	0.30	15.50	86.00	0.60	0.08	0.10	0.10	0.001	4.50	0.10	2.69	2.38	2.00	67.50	19.80	0.060	2.35
Number of Detects Percentage of Detects	3 100%	3 100%	3 100%	3 100%	5 100%	5 100%	5 100%	5 100%	5 100%	5 100%	5 100%	5 100%	5 100%	5 100%	2 100%	2 2 100%	2 100%	2 2 100%	5 100%	5 5 100%	5 100%	5 100%
Minimum Maximum Detected Mean	0.13 6.96 3.50	0.06 0.11 0.08	11.77 13.90 13.13	7.60 8.14 7.90	34.00 55.00 45.40	0.05 0.25 0.13	1.00 10.00 3.20	63.00 146.00 98.60	0.02 0.08 0.04	0.01 0.10 0.05	0.10 0.10 0.10	0.10 0.10 0.10	0.001 0.001 0.00	2.00 9.00 4.00	0.10 0.10 0.10	1.30 1.40 1.35	1.30 1.40 1.35	2.00 2.00 2.00	41.00 95.00 64.20	27.00 62.50 44.42	0.003 0.020 0.011	1.30 5.90 2.78
90th Percentile S2-020 Number of samples	6.25	0.10	13.86	8.10	53.80	0.25	7.20	130.00	6	0.10	0.10	0.10	0.001	7.00	0.10	1.39	1.39	2.00	84.60	58.30	0.020	4.58
Number of Detects Percentage of Detects Minimum	4 100% 0.03	4 100% 0.01	4 100% 10.70	4 100% 7.04	6 100% 5.00	6 100% 0.05	6 100% 1.00	6 100% 15.00	6 100% 0.02	6 100% 0.01	6 100% 0.10	6 100% 0.10	6 100% 0.001	6 100% 2.00	2 100% 0.10	2 100% 1.00	2 100% 1.00	2 100% 2.00	6 100% 10.00	6 100% 5.00	6 100% 0.003	6 100% 0.90
Maximum Detected Mean 90th Percentile	6.81 2.26 5.42	0.05 0.03 0.04	12.80 11.66 12.69	7.47 7.21 7.38	36.00 17.33 31.00	0.25 0.12 0.25	13.00 3.83 9.00	147.00 54.00 109.50	0.09 0.04 0.07	0.10 0.06 0.10	0.26 0.13 0.18	0.26 0.13 0.18	0.001 0.00 0.001	18.00 6.83 12.00	0.10 0.10 0.10	1.10 1.05 1.09	1.10 1.05 1.09	2.00 2.00 2.00	96.00 35.33 71.50	55.00 21.13 41.40	0.210 0.048 0.120	55.00 13.05 33.80
S2-040 Number of samples Number of Detects	2 2	2 2	2 2	2 2	4	4	4	4 4	4	4	4 4	4 4	4	4	2 2	2 2	2 2	2 2	4 4	4	4 4	4
Percentage of Detects Minimum Maximum Detected	100% 3.07 13.09	100% 0.01 0.01	100% 9.95 12.14	100% 5.96 7.33	100% 5.00 6.00	100% 0.05 0.25	100% 1.00	100% 6.00 15.00	100% 0.02 0.03	100% 0.01 0.10	100% 0.10 0.10	100% 0.10 0.10	100% 0.001 0.001	100% 1.00 2.00	100% 0.10 0.10	100% 2.20 3.20	100% 2.00 2.60	100% 2.00 2.00	100% 5.00 10.00	100% 2.00 4.60	100% 0.003 0.010	100% 1.20 4.10
Mean 90th Percentile \$2-050	8.08 12.09	0.01	11.05 11.92	6.65 7.19	5.25 5.70	0.15 0.25	1.00	10.75	0.03	0.03	0.10	0.10	0.00	1.50	0.10	2.70	2.30	2.00	7.25 9.10	3.50 4.42	0.01	2.25 3.47
S2-950 Number of samples Number of Detects Percentage of Detects	3 100%	3 3 100%	3 3 100%	3 3 100%	5 5 100%	5 5 100%	5 5 100%	5 5 100%	5 5 100%	5 5 100%	5 5 100%	5 5 100%	5 5 100%	5 5 100%	2 2 100%	2 2 100%	2 2 100%	2 100%	5 5 100%	5 5 100%	5 5 100%	5 5 100%
Minimum Maximum Detected Mean	0.17 7.08 3.41	0.01	12.48 14.46 13.31	6.01 7.01 6.42	5.00 5.00 5.00	0.05 0.25 0.13	1.00	6.00 13.00 8.40	0.02 0.06 0.04	0.01 0.10 0.03	0.10 0.17 0.11	0.10 0.17 0.11	0.001 0.002 0.00	1.00 2.00 1.60	0.10 0.10 0.10	1.30 1.50	1.40 1.40 1.40	2.00 2.00 2.00	5.00 8.00 5.60	1.00 3.10 1.84	0.003 0.020 0.01	0.40 4.10 1.86
90th Percentile S2-960	3.41 6.26	0.03	13.31	6.42 6.86	5.00	0.13	1.00	11.00	0.04	0.03	0.11	0.11	0.00	1.60 2.00	0.10	1.48	1.40	2.00	5.60 6.80	1.84 2.70	0.01	1.86 3.34
Number of samples Number of Detects Percentage of Detects Minimum.	4	4	4	4	6	6	6	6	6 100%	6 100%	6	6	6 100%	6	2 100%	2	2 100%	2 100%	6 100%	6	6	6
Minimum Maximum Detected Mean	0.30 8.28 3.74	0.01	11.92 14.03 13.01	6.18 7.20 6.65	2.00 5.00 4.50	0.05 0.30 0.16	0.40 4.00 1.40	6.00 25.00 11.33	0.02 0.10 0.04	0.01 0.10 0.04	0.08 0.10 0.10	0.08 0.10 0.10	0.001 0.001 0.00	0.80 3.00 1.63	0.10 0.10 0.10	1.10 1.10 1.10	1.10 1.10 1.10	2.00 2.00 2.00	5.00 40.00 13.33	1.00 4.60 2.49	0.003 0.100 0.02	0.30 5.30 2.02
90th Percentile S2-120 Number of samples	6.91	0.01	13.96	7.15	5.00	0.28	2.50	18.50	0.08	0.08	0.10	0.10	0.001	2.50	0.10	1.10	1.10	2.00	28.00	3.65	0.060	3.82
Number of Detects Percentage of Detects Minimum	1 100% 3.70	1 100% 0.01	1 100% 13.79	1 100% 7.12	1 100% 3.00	1 100% 0.30	1 100% 0.50	1 100% 10.00	1 100% 0.30	1 100% 0.06	1 100% 0.05	1 100% 0.06	1 100% 0.001	1 100% 0.50					1 100% 37.00	1 100% 3.00	1 100% 0.1	1 100% 0.34
Maximum Detected Mean 90th Percentile	3.70 3.70 3.70	0.01 0.01 0.01	13.79 13.79 13.79	7.12 7.12 7.12	3.00 3.00 3.00	0.30 0.30 0.30	0.50 0.50 0.50	10.00 10.00	0.30 0.30 0.30	0.06 0.06 0.06	0.05 0.05 0.05	0.06 0.06 0.06	0.001 0.00 0.001	0.50 0.50 0.50					37.00 37.00 37.00	3.00 3.00 3.00	0.1 0.10 0.100	0.34 0.34 0.34
INTOZIO0181/30/A/Report/Report 5, Rev 0 - Aquatic P	Program Summary Rep	porf.Tables/(Table_3.	3.xixs[Table 3.3																			



TABLE 3.3 BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

SURFACE WATER AND SEDMENT OUTLITY BASELINE REPORT STREAM WATER QUALITY DATA SUMMARY STATISTICS - MINE SITE TO STEENSBY PORT GENERAL PARAMETERS AND TOTAL METALS

							ST	REAM WATER	QUALITY DAT	A SUMMARY S	TATISTICS - MII	SEDMENT QUA NE SITE TO STE	ENSBY PORT	GENERAL PAR	AMETERS AND	TOTAL METAL	s					Print	Sep/28/10 13:44:07
Site ID	Temp (°C)	In Situ Pa SpC mS/cm	DO Total	рН	Aluminium Total	Antimony Total	Arsenic Total	Barium Total	Beryllium Total	Bismuth Total	Boron Total	Cadmium Total	Calcium Total	Chromium Total	Cobalt Total	Copper Total	Iron Total	Lead Total	Lithium Total	Maganesium Total	Manganese Total	Mercury Total	Molybdenum Total
Receiving Water Quality Objectives MDL (2005)	-	marcin	9.50	6.5 - 9.0	0.005 or 0.1 0.004	0.0004	0.0050	0.001	0.005	0.0003	1.50 0.05	0.00003 0.0001	0.05	0.0047	0.0003	0.00200 0.0008	0.30	0.00100	-	0.005	0.0007	0.00003	0.073
MDL (2007) MDL (2007)					0.005 0.001 0.003	0.0001	0.001 0.0001 0.0001	0.01 0.00005 0.00005	0.0005	0.0005	0.01	0.0001 0.000017 0.00001	0.05	0.001 0.0005 0.0005	0.0002 0.0001 0.0001	0.001 0.0001 0.0005	0.03 0.03 0.03	0.001 0.00005 0.00005	0.005	0.1	0.01 0.00005 0.00005	0.00005	0.0005 0.00005
MDL (2011) Cockburn Area					0.003	0.0001	0.0001	0.00005	0.0005	0.0005	0.01	0.00001	0.05	0.0005	0.0001	0.0005	0.03	0.00005	0.005	0.1	0.00005	0.00001	0.00005
Number of samples Number of Detects Percentage of Detects	25 25 100%	25 25 100%	25 25 100%	25 25 100%	29 29 100%	19 19 100%	29 29 100%	29 29 100%	19 19 100%	19 19 100%	29 29 100%	29 29 100%	29 29 100%	29 29 100%	29 29 100%	29 29 100%	29 29 100%	29 29 100%	16 16 100%	29 29 100%	29 29 100%	29 29 100%	29 29 100%
Minimum Maximum Detected	0.02 13.48 5.51	0.01 0.02 0.01	10.30 14.90 12.76	5.88 7.55 6.57	0.009 0.204 0.049	0.0001 0.0004 0.0001	0.0001 0.005 0.009	0.00153 0.01000 0.00514	0.0005 0.00500 0.00121	0.0003 0.0005 0.0005	0.01 0.06 0.01	0.00001 0.0001 0.00	0.20 1.05 0.56	0.0005 0.001 0.00	0.0001 0.0003 0.0002	0.00044 0.0013 0.0008	0.02 0.24 0.06	0.00005 0.00100 0.00042	0.005 0.005 0.01	0.10 0.45 0.26	0.000339 0.01380 0.00514	0.00001 0.00010 0.00005	0.00005 0.00500 0.00180
Mean 90th Percentile Ravn River - Upstream of Angajurjualui	12.73	0.01	12.76	7.20	0.108	0.0001	0.0009	0.00514	0.00121	0.0005	0.01	0.000	0.56	0.0010	0.0002	0.0008	0.06	0.00042	0.01	0.26	0.01000	0.00005	0.00180
Number of samples Number of Detects Percentage of Detects	10 10 100%	10 10 100%	9 9 100%	10 10 100%	12 12 100%	7 7 100%	12 12 100%	12 12 100%	7 7 100%	7 7 100%	12 12 100%	12 12 100%	12 12 100%	12 12 100%	12 12 100%	12 12 100%	12 12 100%	12 12 100%	6 100%	12 12 100%	12 12 100%	12 12 100%	12 12 100%
Minimum Maximum Detected	0.23 16.06	0.01	9.54 15.21	6.43 8.50	0.014	0.0001 0.0004	0.0001	0.00166	0.0005	0.0003	0.01 0.01	0.00001	0.50	0.0005	0.0001	0.00056	0.06 0.21	0.00005	0.005	0.37	0.00106	0.00001	0.00005 0.00500
Mean 90th Percentile Rowley River	5.32 15.98	0.02	12.79 14.63	7.19 8.07	0.070	0.0001	0.0009	0.01000	0.00114	0.0005	0.01	0.000	2.13 3.59	0.0010	0.0002	0.00	0.12	0.00048	0.005	1.19 2.00	0.00751	0.00006	0.00215
Number of samples Number of Detects	7	7	7	7	7	5	7	7	5	5	7	7	7	7	7	7	7	7	4	7	7	7	7
Percentage of Detects Minimum Maximum Detected	100% 0.24 6.97	0.01 0.03	100% 12.17 13.94	100% 6.14 8.48	0.012 0.148	0.0001 0.0004	0.0001 0.005	0.002 0.01000	0.0005 0.00500	0.0003 0.0005	0.01 0.01	0.00001 0.00001	1.00%	0.0005 0.001	0.0001 0.0003	0.00049 0.0012	0.02 0.12	0.00005 0.00100	100% 0.005 0.005	100% 0.30 1.03	0.000454 0.01000	0.00001 0.00010	100% 0.00006 0.00500
Mean 90th Percentile	4.31 6.81	0.02	13.05 13.87	7.26 8.15	0.051 0.135	0.00	0.00 0.0026	0.00468	0.00140 0.00320	0.00	0.01	0.00	1.40 2.00	0.00	0.000	0.0008	0.05	0.00035	0.01	0.59	0.00360	0.00005	0.00151
Steensby Port Area Number of samples Number of Detects	9	9	9	9	12	12	12	12	12	12	12	12	12	12	12	12	12 12	12	12	12	12	12	12
Percentage of Detects Minimum Maximum Detected	100% 1.3 12.06	100% 0.011 0.292	100% 8.79 13.37	100% 6.36 7.28	100% 0.007 0.634	100% 0.0001 0.0002	100% 0.0001 0.001	100% 0.00130 0.03080	0.00050 0.00100	0.0005 0.001	0.01 0.08	0.00001 0.00004	100% 0.76 96.60	0.0005 0.0012	0.0001 0.0004	0.00044 0.0029	100% 0.03 0.95	0.00005 0.00047	100% 0.005 0.01	100% 0.41 23.50	0.00009 0.01250	0.00001 0.00001	100% 0.00005 0.00192
Mean 90th Percentile	5.95 9.45	0.10	11.80 13.20	6.91 7.22	0.083 0.080	0.00	0.00	0.00594	0.00054	0.00	0.02	0.00	14.76 30.51	0.00	0.00	0.0012 0.0022	0.13	0.00009	0.01	3.88 6.67	0.00271	0.00001	0.00042 0.00112
Mid-Rail Camp Area Number of samples Number of Detects	4	5	5	5	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
Percentage of Detects Minimum Maximum Detected	100% 0.61 15.04	100% 0.012 0.02	100% 8.96 12.94	100% 5.57 6.39	100% 0.008 0.200	100% 0.0001 0.0001	100% 0.0001 0.0001	100% 0.00180 0.00657	100% 0.00050 0.00050	100% 0.0005 0.0005	100% 0.01 0.01	100% 0.00001 0.00001	100% 0.48 3.07	100% 0.0005 0.0009	100% 0.0001 0.0005	100% 0.00045 0.0010	100% 0.13 0.98	100% 0.00005 0.00014	100% 0.005 0.005	100% 0.58 1.63	100% 0.00108 0.03950	100% 0.00001 0.00001	100% 0.00005 0.00005
Mean 90th Percentile	6.16	0.02	11.76	6.09	0.059 0.162	0.0001	0.0001	0.00394	0.00050	0.0005	0.01	0.0001	1.55	0.00	0.000	0.0007	0.36	0.00014	0.005	1.03	0.01218 0.03654	0.00001	0.00005 0.00005
Camp Lake to Steensby Port \$1-010 Number of samples	4	4	4	4	4	3	4	4	3	3	4	4	4	4	4	4	4	4		4	4	4	4
Number of Detects Percentage of Detects	4	4	4 100%	4 100%	4 100%	3 100%	4	4 100%	3 100%	3 100%	4 100%	4	4	4	4 100%	4	4	4		4 100%	4	4 100%	4
Minimum Maximum Detected Mean	0.01 8.92 2.39	0.012 0.053 0.02	10.98 15.45 13.31	6.49 7.33 6.90	0.008 0.388 0.132	0.0004 0.0004 0.00	0.001 0.005 0.00	0.002 0.01000 0.00575	0.005 0.00500 0.00500	0.0003 0.0003 0.00	0.01 0.05 0.02	0.0001 0.0001 0.00	1.00 3.96 1.92	0.001 0.001 0.00	0.0002 0.0003 0.00	0.0008 0.0025 0.00	0.03 0.45 0.16	0.0002 0.00100 0.00050		0.64 2.45 1.19	0.0026 0.01510 0.00768	0.0001 0.00010 0.00010	0.0003 0.00500 0.00148
90th Percentile \$1-011 Number of samples	6.42	0.04	14.97	7.24	0.305	0.0004	0.0050	0.00940	0.00500	0.0003	0.04	0.00010	3.24	0.0010	0.0003	0.0020	0.35	0.00085		1.97	0.01357	0.00010	0.00359
Number of Detects Percentage of Detects	1 100%	1 100%	1 100%	1 100%	1 100%	1 100%	1 100%	1 100%	1 100%	1 100%	1 100%	1 100%	1 100%	1 100%	1 100%	1 100%	1 100%	1 100%		1 100%	1 100%	1 100%	1 100%
Minimum Maximum Detected Mean	0.22 0.22 0.22	0.01 0.01 0.01	13.40 13.40 13.40	7.48 7.48 7.48	0.010 0.010 0.010	0.0004 0.0004 0.00	0.005 0.005 0.01	0.00300 0.00300 0.00300	0.00500 0.00500 0.00500	0.0003 0.0003 0.00	0.05 0.05 0.05	0.0001 0.0001 0.00	1.99 1.99 1.99	0.001 0.001 0.0010	0.0003 0.0003 0.0003	8000.0 8000.0 8000.0	0.05 0.05 0.05	0.0002 0.0002 0.00020		1.03 1.03 1.03	0.01290 0.01290 0.01290	0.00010 0.00010 0.00010	0.00030 0.00030 0.00030
90th Percentile \$1-020 Number of samples	0.22	0.01	13.40	7.48	0.010	0.0004	0.0050	0.00300	0.00500	0.0003	0.05	0.00010	1.99	0.0010	0.0003	0.0008	0.05	0.00020		1.03	0.01290	0.00010	0.00030
Number of Detects Percentage of Detects	1 100%	1 100%	1 100%	1 100%	1 100%	1 100%	1 100%	1 100%	1 100%	1 100%	1 100%	1 100%	1 100%	1 100%	1 100%	1 100%	1 100%	1 100%		1 100%	1 100%	1 100%	1 100%
Minimum Maximum Detected Mean	0.70 0.70 0.70	0.03 0.03 0.03	15.81 15.81 15.81	7.11 7.11 7.11	0.033 0.033 0.033	0.0004 0.0004 0.00	0.005 0.005 0.01	0.00300 0.00300 0.00300	0.00500 0.00500 0.00500	0.0003 0.0003	0.01 0.01 0.01	0.0001 0.0001 0.00	2.76 2.76 2.76	0.001 0.001 0.0010	0.0003 0.0003 0.0003	0.0009 0.0009 0.0009	0.05 0.05 0.05	0.0002 0.0002 0.00020		1.62 1.62 1.62	0.00080 0.00080 0.00080	0.00010 0.00010 0.00010	0.00030 0.00030 0.00030
90th Percentile \$1-030 Number of samples	0.70	0.03	15.81	7.11	0.033	0.0004	0.0050	0.00300	0.00500	0.0003	0.01	0.00010	2.76	0.0010	0.0003	0.0009	0.05	0.00020		1.62	0.00080	0.00010	0.00030
Number of Detects Percentage of Detects	4	4 100%	4	4	4	3 100%	4	4	3 100%	3 100%	4 100%	4	4	4 100%	4	4	4	4		4 100%	4 100%		4
Minimum Maximum Detected Mean	1.72 7.37 3.52	0.03 0.04 0.03	12.57 14.14 13.40	6.74 7.53 7.05	0.004 0.007 0.005	0.0004 0.0004 0.00	0.001 0.005 0.00	0.002 0.01000 0.00475	0.005 0.00500 0.00500	0.0003 0.0003	0.01 0.05 0.02	0.0001 0.0001 0.00	3.28 4.00 3.60	0.001 0.001 0.00	0.0002 0.0003 0.00	0.0008 0.0013 0.00	0.02 0.05 0.03	0.0002 0.00100 0.00043		1.72 2.01 1.88	0.0007 0.01000 0.00315		0.0003 0.00500 0.00148
90th Percentile \$1-040	6.13	0.04	13.95	7.37	0.006	0.0004	0.0050	0.00820	0.00500	0.0003	0.04	0.00010	3.93	0.0010	0.0003	0.0012	0.04	0.00079		2.01	0.00736		0.00359
Number of Samples Number of Detects Percentage of Detects	4 4 100%	4 4 100%	4 100%	4 100%	4 100%	1 100%	4 100%	4 100%	1 100%	1 100%	4 4 100%	4 100%	4 100%	4 100%	4 100%	4 100%	4 100%	4 100%		4 100%	4 100%	4 4 100%	4 100%
Minimum Maximum Detected Mean	0.88 7.04 3.87	0.04 0.05 0.04	11.41 15.71 13.14	6.50 7.53 7.18	0.004 0.011 0.007	0.0004 0.0004 0.00	0.001 0.005 0.00	0.004 0.01000 0.00850	0.005 0.00500 0.00500	0.0003 0.0003 0.00	0.01 0.06 0.02	0.0001 0.0001 0.00	3.00 5.00 3.85	0.001 0.001 0.00	0.0002 0.0003 0.00	0.0008 0.001 0.00	0.03 0.05 0.04	0.0002 0.001 0.00080		2.00 3.00 2.36	0.0017 0.01000 0.00793	0.0001 0.00010 0.00010	0.0003 0.00500 0.00383
90th Percentile \$1-050	6.75	0.05	14.98	7.50	0.010	0.0004	0.0038	0.01000	0.00500	0.0003	0.04	0.00010	4.82	0.0010	0.0003	0.0010	0.04	0.00100		2.83	0.01000	0.00010	0.00500
Number of samples Number of Detects Percentage of Detects	3 100%	3 100%	3 3 100%	3 100%	3 100%	3 3 100%	3 100%	3 100%	3 100%	3 100%	3 3 100%	3 100%	3 100%	3 100%	3 100%	3 100%	3 100%	3 100%		3 3 100%	3 100%	3 100%	3 100%
Minimum Maximum Detected	3.46 8.95 5.86	0.02 0.02 0.02	11.09 14.35 12.88	6.12 7.02 6.51	0.022 0.028 0.024	0.0004 0.0004 0.00	0.005 0.005 0.01	0.00300 0.00300 0.00300	0.00500 0.00500 0.00500	0.0003 0.0003 0.00	0.01 0.06 0.03	0.0001 0.0001 0.00	1.75 2.17 1.89	0.001 0.001 0.00	0.0003 0.0003 0.00	8000.0 8000.0	0.02 0.05 0.03	0.0002 0.00020 0.00020		0.77 1.16 0.91	0.0007 0.00290 0.00143	0.0001 0.00010 0.00010	0.0003 0.00030 0.00030
90th Percentile \$1-060	8.20	0.02	12.88	6.90	0.024	0.0004	0.0050	0.00300	0.00500	0.0003	0.05	0.00010	2.09	0.0010	0.0003	0.000	0.04	0.00020		1.09	0.00143	0.00010	0.00030
Number of samples Number of Detects Percentage of Detects	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%	3 3 100%	4 4 100%	4 4 100%	3 3 100%	3 3 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%		4 4 100%	4 4 100%	4 4 100%	4 4 100%
Minimum Maximum Detected	0.24 7.38	0.01	12.00 16.04	5.13 6.94	0.054 0.101	0.0004	0.001	0.002	0.005	0.0003	0.01	0.0001	0.93 1.34	0.001	0.0002 0.0004	0.0008	0.05	0.0002		0.38	0.0007	0.0001	0.0003
Mean 90th Percentile \$1-070	2.22 5.37	0.01	14.49 15.97	6.79	0.078	0.0004	0.0050	0.00450	0.00500	0.000	0.02	0.000	1.10	0.00	0.0004	0.00	0.07	0.00043		0.49	0.00520	0.00010	0.00148
Number of samples Number of Detects Percentage of Detects	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%	3 3 100%	4 4 100%	4 4 100%	3 3 100%	3 3 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%		4 4 100%	4 4 100%		4 4 100%
Minimum Maximum Detected	-0.06 8.39	0.01	9.44 16.11	5.30 6.45	0.055 0.077	0.0004	0.001	0.002	0.005 0.00500	0.0003	0.01	0.0001	0.69	0.001	0.0002 0.0003	0.0008	0.03	0.0002		0.29 0.34	0.001		0.0003 0.00500
Mean 90th Percentile \$1-080	2.27 6.01	0.01	13.92 16.07	5.79 6.35	0.061	0.000	0.0050	0.00400	0.00500	0.00	0.02	0.000	0.75	0.00	0.00	0.00	0.05	0.00043		0.31	0.00445		0.00148
Number of samples Number of Detects Percentage of Detects	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%	1 1 100%	4 4 100%	4 4 100%	1 1 100%	1 1 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%	4 4 100%		4 4 100%	4 4 100%	4 4 100%	4 4 100%
Minimum Maximum Detected	-0.07 7.03	0.01 0.01	11.24 14.74	5.86 6.76	0.023 0.081	0.0004 0.0004	0.001	0.001	0.005 0.00500	0.0003	0.01	0.0001	0.40	0.001 0.001	0.0002 0.0003	0.0008	0.02	0.0002		0.17 0.29	0.0008	0.0001	0.0003 0.00500
Mean 90th Percentile \$1-090	3.56 6.31	0.01	12.83 14.35	6.69	0.051	0.0004	0.00	0.00775	0.00500	0.000	0.01	0.000	0.49	0.00	0.0003	0.01	0.05	0.00155		0.22	0.00770	0.00010	0.00383
Number of samples Number of Detects	2	2	2	2	2	2	2	2	2	2	2										2	2	2
Percentage of Detects Minimum Maximum Detected	0.87 9.96	0.01 0.01	100% 8.96 15.76	100% 6.56 6.65	0.080 0.103	100% 0.0004 0.0004	100%	100%	100%	100%		2 2 100%	2 2 100%	2 2 100%	2 2 100%	2 100%	2 2 100%	2 100%		2 2 100%	100%	100%	100%
Mean 90th Percentile \$1-110	5.42 9.05	0.01		6.61	0.091	_	0.005	0.00300	0.00500	0.0003	100% 0.01 0.06	2 100% 0.0001 0.0001	2 100% 0.83 1.04	2 100% 0.001 0.001	2 100% 0.0003 0.0003	2 100% 0.0011 0.0015	2 100% 0.07 0.08	2 100% 0.0002 0.0002		2 100% 0.33 0.34	100% 0.00140 0.00640	0.00010	0.00030
Number of Samples Number of Detects		0.01	12.36 15.08	6.64	0.101	0.000	0.005 0.01 0.0050			0.0003	100%	2 100% 0.0001	2 100% 0.83	2 100% 0.001	2 100% 0.0003	2 100% 0.0011	2 100% 0.07	2 100% 0.0002		2 100% 0.33	100%		0.00030 0.00030 0.00030
	4 4 100%	4	15.08 4 4	6.64 4 4	0.101 6 6	0.0004 5 5	0.01 0.0050 6 6	0.00300 0.00300 0.00300 6 6	0.00500 0.00500 0.00500 5 5	0.0003 0.0003 0.00 0.0003 5	100% 0.01 0.06 0.03 0.05	2 100% 0.0001 0.0001 0.000 0.00010	2 100% 0.83 1.04 0.93 1.02	2 100% 0.001 0.001 0.00 0.0010	2 100% 0.0003 0.0003 0.00 0.0003	2 100% 0.0011 0.0015 0.0013 0.0015 6	2 100% 0.07 0.08 0.07 0.08	2 100% 0.0002 0.0002 0.00020 0.00020 6 6	2 2	2 100% 0.33 0.34 0.34 0.34 6 6	100% 0.00140 0.00640 0.00390 0.00590	0.00010 0.00010 0.00010 6 6	0.00030 0.00030 6 6
Percentage of Detects Minimum Maximum Detected	4 100% 0.71 7.42	4 4 100% 0.01 0.12	15.08 4 4 100% 11.82 15.07	4 4 100% 5.73 7.06	0.101 6 6 100% 0.011 0.047	0.0004 5 5 100% 0.0001 0.0004	0.01 0.0050 6 6 100% 0.0001	0.00300 0.00300 0.00300 6 6 100% 0.00100	0.00500 0.00500 0.00500 5 5 100% 0.00050	0.0003 0.0003 0.000 0.0003 5 5 100% 0.0003	100% 0.01 0.06 0.03 0.05 6 6 100% 0.01	2 100% 0.0001 0.0001 0.0001 0.00010 6 6 6 100% 0.00001	2 100% 0.83 1.04 0.93 1.02 6 6 100% 0.73	2 100% 0.001 0.001 0.001 0.0010 6 6 100% 0.0005 0.001	2 100% 0.0003 0.0003 0.0003 0.0003 6 6 100% 0.0001	2 100% 0.0011 0.0015 0.0013 0.0015 6 6 100% 0.0005	2 100% 0.07 0.08 0.07 0.08 6 6 6 100% 0.02	2 100% 0.0002 0.0002 0.00020 0.00020 6 6 100% 0.00005	2 2 100% 0.005 0.005	2 100% 0.33 0.34 0.34 0.34 6 6 100% 0.37	100% 0.00140 0.00640 0.00390 0.00590 6 6 100% 0.00628 0.01560	0.00010 0.00010 0.00010 6 6 100% 0.00001	0.00030 0.00030 6 6 100% 0.000058
Minimum	4 100% 0.71	4 4 100% 0.01	4 4 100% 11.82	4 4 100% 5.73	0.101 6 6 100% 0.011	0.0004 5 5 100% 0.0001	0.01 0.0050 6 6 100% 0.0001	0.00300 0.00300 0.00300 6 6 100%	0.00500 0.00500 0.00500 5 5 100%	0.0003 0.0003 0.00 0.0003 5 5 5 100% 0.0003	100% 0.01 0.06 0.03 0.05 6 6 100% 0.01	2 100% 0.0001 0.0001 0.0001 0.00010 6 6 6 100%	2 100% 0.83 1.04 0.93 1.02 6 6 100% 0.73	2 100% 0.001 0.001 0.00 0.0010 6 6 100% 0.0005	2 100% 0.0003 0.0003 0.00 0.0003 6 6 6 100% 0.0001	2 100% 0.0011 0.0015 0.0013 0.0015 6 6 100% 0.0005	2 100% 0.07 0.08 0.07 0.08 6 6 6 100%	2 100% 0.0002 0.0002 0.00020 0.00020 6 6 100% 0.00005	0.005	2 100% 0.33 0.34 0.34 0.34 6 6 6 100% 0.37	100% 0.00140 0.00640 0.00390 0.00590 6 6 6 100%	0.00010 0.00010 0.00010 6 6 100%	0.00030 0.00030 6 6 100% 0.000058
Minimum Maximum Detected Mean 90th Percentile \$1-120 Number of samples Number of Detects	4 100% 0.71 7.42 3.40 6.56	4 4 100% 0.01 0.12 0.05 0.09	15.08 4 4 100% 11.82 15.07 13.44 14.65	4 4 100% 5.73 7.06 6.35 6.86	0.101 6 6 100% 0.011 0.047 0.020 0.033	0.0004 5 5 100% 0.0001 0.0004 0.0004 5 5	0.01 0.0050 6 6 6 100% 0.0001 0.005 0.005 6 6	0.00300 0.00300 0.00300 6 6 6 0.00100 0.00100 0.00287 0.00600	0.00500 0.00500 0.00500 5 5 100% 0.00050 0.00500 0.00320 0.00500	0.0003 0.0003 0.0003 0.0003 5 5 100% 0.0003 0.0005 0.0005	100% 0.01 0.06 0.03 0.05 6 6 100% 0.01 0.07 0.02	2 100% 0.0001 0.0001 0.00 0.00010 6 6 6 6 100% 0.0001 0.0001 0.0001 0.0001 0.0001 0.00010	2 100% 0.83 1.04 0.93 1.02 6 6 6 0.73 1.82 1.02 1.38	2 100% 0.001 0.001 0.001 0.000 0.0010 6 6 6 6 0.0005 0.0005 0.001 0.000	2 100% 0.0003 0.0003 0.0003 6 6 6 6 100% 0.0001 0.0003 0.0003	2 100% 0.0011 0.0015 0.0013 0.0015 6 6 6 6 0.0005 0.0005 0.0005 0.0005	2 100% 0.07 0.08 0.07 0.08 6 6 6 6 0.02 0.12 0.04 0.08	2 100% 0.0002 0.0002 0.00020 0.00020 0.00020 6 6 6 6 100% 0.00005 0.00005 0.0001 0.00028 0.00060	0.005 0.005 0.01 0.005	2 100% 0.33 0.34 0.34 0.34 0.34 6 6 6 6 0.37 0.79 0.53 0.57	100% 0.00140 0.00640 0.00590 0.00590 6 6 6 0.000528 0.01580 0.00482 0.01280	0.00010 0.00010 0.00010 6 6 6 100% 0.00001 0.00010 0.00010 0.00010	0.00030 0.00030 6 6 100% 0.00058 0.00008 0.00100 0.00265 6 6
Minimum Maximum Detected Mean 90th Percentile \$1-120 Number of samples	4 100% 0.71 7.42 3.40 6.56 4 4 100% 0.35 8.63	4 100% 0.01 0.12 0.05 0.09 4 4 100% 0.02	15.08 4 4 100% 11.82 15.07 13.44 14.55 4 4 100% 11.18 16.51	6.64 4 4 100% 5.73 7.06 6.35 6.86 4 4 100% 6.61 6.74	0.101 6 6 100% 0.011 0.047 0.020 0.033 6 6 100% 0.036	0.0004 5 5 100% 0.0001 0.0004 5 5 5 100% 0.0001 0.0004	0.01 0.0050 6 6 6 100% 0.0001 0.005 0.005 0.005 6 6 6 6 0.0001	0.00300 0.00300 0.00300 6 6 6 100% 0.00100 0.00287 0.00600 6 6 6 6 100% 0.00287	0.00500 0.00500 0.00500 5 5 100% 0.00050 0.00500 0.00500 0.00500 5 5 5 100%	0.0003 0.0003 0.000 0.0003 5 5 5 5 100% 0.0003 0.0005 0.0005 5 5 5 100% 0.0005	100% 0.01 0.06 0.03 0.05 6 6 100% 0.07 0.02 0.04 6 6 100% 0.01 0.07	2 100% 0.0001 0.0001 0.00 0.00010 6 6 6 100% 0.0001 0.0001 0.0001 6 6 6	2 100% 0.83 1.04 0.93 1.02 6 6 100% 1.02 1.38 6 6 100% 1.02 1.38	2 100% 0.001 0.001 0.000 0.0010 6 6 100% 0.001 0.001 0.001 0.0010	2 100% 0.0003 0.0003 0.0003 6 6 100% 0.0003 0.0003 0.0003 6 6 100% 0.0003	2 100% 0.0015 0.0015 0.0015 0.0015 6 6 0.0015 0.0005 0.0005 0.0005 0.0005 6 6 100% 0.0007 0.0007 0.00073	2 100% 0.07 0.08 0.07 0.08 6 6 6 100% 0.12 0.04 0.08 6 6 6	2 100% 0.0002 0.0002 0.00020 0.00020 6 6 6 100% 0.0005 0.0005 0.0008 0.00080 6 6 6 6 0.0008 0.00080	0.005 0.005 0.01 0.005 2 2 100% 0.005	2 100% 0.33 0.34 0.34 0.34 6 6 6 100% 0.37 0.53 0.67	100% 0.00140 0.0050 0.0050 0.00500 6 6 100% 0.00550 0.01550 0.01550 0.00482 0.01280	0.00010 0.00010 0.00010 6 6 100% 0.00001 0.00010 0.00010 6 6 6 100% 0.00010	0.00030 0.00030 6 6 6 100% 0.00008 0.00000 0.00100 6 6 6 6 6 6
Maintum Asaintum Detected Mann Oth Procretifie 81-129 Number of samples Number of samples Parcentage of Detects Parcentage of Detects Maintum Detected Asaintum Detected Mann Other Percentile	4 100% 0.71 7.42 3.40 6.56 4 4 100% 0.35	4 4 100% 0.01 0.12 0.05 0.09 4 4 100% 0.02	15.08 4 4 100% 11.82 15.07 13.44 14.55 4 4 100% 11.18	6.64 4 4 100% 5.73 7.06 6.35 6.86 4 4 100% 6.61	0.101 6 6 100% 0.011 0.047 0.020 0.033 6 6 100% 0.036	0.0004 5 5 100% 0.0001 0.0004 0.00 0.0004 5 100% 0.0001	0.01 0.0050 6 6 6 0.0001 0.005 0.005 0.005 6 6 6	0.00300 0.00300 0.00300 6 6 6 100% 0.00100 0.00287 0.00600 6 6 6	0.00500 0.00500 0.00500 5 5 100% 0.00050 0.00050 0.00050 0.00050 0.00050 5 5	0.0003 0.0003 0.0003 5 5 100% 0.0003 0.0005 5 5 100% 0.0005	100% 0.01 0.06 0.03 0.05 6 6 100% 0.01 0.07 0.02 0.04 6 6 6	2 100% 0.0001 0.0001 0.00010 6 6 6 100% 0.00011 0.0001 0.0001	2 100% 0.83 1.04 0.93 1.02 6 6 100% 0.73 1.82 1.02 1.38 6 6	2 100% 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.0001 0.0001 0.0001 0.	2 100% 0.0003 0.0003 0.0003 6 6 100% 0.0001 0.0003 6 6 6 6 6 0.0001	2 100% 0.0015 0.0015 0.0015 0.0015 6 6 0.0005 0.0005 0.000 0.0009 6 6 100% 0.00073	2 100% 0.07 0.08 0.07 0.08 6 6 6 100% 0.02 0.12 0.08 6 6 6	2 100% 0.0002 0.0002 0.00020 0.00020 6 6 100% 0.00005 0.001 0.00028 0.00060	0.005 0.005 0.01 0.005 2 2 100% 0.005	2 100% 0.33 0.34 0.34 0.34 6 6 100% 0.37 0.79 0.53 0.67	100% 0.00140 0.00500 0.00300 0.00390 0.00590 6 6 100% 0.00528 0.01560 0.00482 0.01280	0.00010 0.00010 0.00010 6 6 100% 0.00001 0.00010 0.00010 0.00010 6 6 6	0.00030 0.00030 6 6 100% 0.000058 0.00500 0.00100 0.00265 6 6 6
Asimum Mannum Detected Mann Bill Percentile SH129 Number of samples Number of Detects Percentile Shinimum Mannum Detected Mannum Mannum Detected Mannum Detecte	4 100% 0.71 7.42 3.40 6.56 4 4 4 100% 0.35 8.63 2.54 6.22 3 3 3	4 4 100% 0.01 0.12 0.05 0.09 4 4 4 100% 0.02 0.03 3 3 3	15.08 4 4 100% 11.82 15.07 13.44 14.55 4 4 100% 11.18 14.33 16.44 3 3	4 4 100% 5.73 7.06 6.35 6.86 4 4 100% 6.61 6.72 3 3 3	0.101 6 6 100% 0.047 0.020 0.033 6 6 100% 0.036 0.098 0.057 0.062	5 5 100% 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0001 0.0004 0.0001 0.0001 0.0001 0.0001 0.0001 0.0004 0.0001 0.0004	0.01 0.0050 6 6 100% 0.0001 0.0050 0.0050 6 6 6 100% 0.0001 0.0050 0.0050 5 5	6 6 100% 0.00200 0.002	0.00500 0.00500 0.00500 5 5 100% 0.00500 0.00500 0.00500 0.00500 5 5 5 100% 0.00500 0.00500 0.00500 0.00500 0.00500 0.00500 0.00500	0.0003 0.0003 0.0003 5 5 100% 0.0005 0.0005 0.0005 0.0005 2 2	100% 0.01 0.05 0.05 0.00 0.00 0.00 0.00 0.00	2 100% 0.0001 0.0001 0.00010 0.00010 6 6 6 100% 0.00001 0.00011 0.0001 0.00011 0.00011 0.00011 0.00010 0.00010 0.00010 0.00010	2 100% 0.83 1.04 0.93 1.02 6 6 100% 0.73 1.82 1.02 1.38 6 6 100% 1.00 5.56 1.00 5.56 1.00 5.56 5 5 5	2 100% 0.001	2 100% 0.0003 0.0003 0.0003 0.0003 6 6 100% 0.0003 0.0003 0.0003 6 6 6 100% 0.0003 0.0003 0.0003 0.0003	2 100% 0.0015 0.0015 0.0015 0.0015 0.0015 0.0015 0.0015 0.0015 6 6 6 0.0005 0.0016 0.0005 0.0016 0.0009 0.0001 0.0009 0.00010 0.0009 0.00010 0.0009 0.00010 0.0009 0.00010 0.0009 0.00010 0.0009 0.00015 0.0009 0.00015 5	2 100% 0.07 0.08 0.07 0.08 6 6 100% 0.02 0.12 0.04 0.08 6 6 6 0.02 0.04 0.08	2 100% 0.0002 0.0002 0.00020 0.00020 6 6 6 100% 0.00005 0.00005 6 6 6 100% 0.00005 0.0	0.005 0.005 0.01 0.005 2 2 100% 0.005 0.005 0.005	2 100% 0.33 0.34 0.34 0.34 6 6 6 100% 0.37 0.53 0.67 6 6 6 2.29 11 1.26 2.29 1.20 2.20	100% 0.00140 0.00140 0.00640 0.00660 0.00660 6 6 100% 0.00529 0.00582 0.01580 6 6 6 0.00582 0.01280 0.00582 0.01280	0.00010 0.00010 0.00010 6 6 6 100% 0.00001 0.00010 0.00010 6 6 6 1100% 0.00010 0.00010 0.00010 0.00011 0.000110 0.00010 0.00010	0.00030 0.00030 6 6 6 10076 0.000058 0.00500 0.00100 0.00265 6 6 6 100% 0.000088 0.00500 0.000088 0.00500 0.000500 0.000505 5 5
Maintan Mainta	4 100% 0.71 7.42 3.40 6.56 4 4 100% 0.35 8.63 2.54 6.22	4 4 100% 0.01 0.12 0.05 0.09 4 4 4 4 0.02 0.03 0.02 0.03	15.08 4 4 100% 11.82 15.07 13.44 14.65 4 4 4 4 100% 11.18 16.61 14.33 16.44	4 4 100% 5.73 7.06 6.35 6.86 4 4 4 100% 6.61 6.74 6.66 6.72	0.101 6 6 100% 0.011 0.020 0.033 6 6 100% 0.057 0.082	0.0004 5 5 100% 0.0001 0.0004 5 100% 0.0004 0.0004 5 100% 0.0004 0.0004 0.0004 0.0004	0.01 0.0050 6 6 100% 0.0050 0.0050 0.0050 6 6 100% 0.0050 0.0050 0.0050 0.0050 0.0050	0.00300 0.00300 0.00300 6 6 6 100% 0.00100 0.01000 0.00287 0.00080 6 6 6 6 100% 0.00200 0.00200 0.00420 0.00420	0.00500 0.00500 0.00500 5 5 5 100% 0.00500 0.00500 0.00500 0.00500 5 5 100% 0.00500 0.00500 0.00500	0.0003 0.0003 0.0003 0.0003 5 5 100% 0.0003 0.0003 0.0003 0.0005 5 5 100% 0.0005 0.0005 0.0005 0.0005	100% 0.01 0.06 0.03 0.06 6 6 100% 0.07 0.02 0.04 6 6 100% 6 5	2 100% 0.0001 0.0001 0.0001 0.0001 6 6 6 100% 0.0001 0.0001 0.0001 6 6 6 6 0.0001 0.0001 0.0001 0.0001 0.0001	2 100% 0.83 1.04 0.93 1.02 6 6 100% 0.73 1.82 1.38 6 6 100% 1.02 1.38 5 6 100% 1.00 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	2 100% 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.000 0.0010 0.0	2 100% 0.0003 0.000 0.0003 0.000 6 6 6 100% 0.0003 0.0003 0.0003 6 6 6 6 0.0003 0.0003 0.0003	2 100% 0.0011 0.0015 0.0015 0.0015 0.0013 0.0015 6 6 100% 0.0009 6 6 6 0.0010 0.0009 6 0.00009 0.00009 0.00009 0.00009 0.00009 0.00009 0.00009 0.00009 0.00009	2 100% 0.07 0.08 0.07 0.08 6 6 6 100% 0.02 0.12 0.04 0.08 6 6 6 0.07	2 100% 0.0002 0.0002 0.00020 0.00020 6 6 6 100% 0.0001 0.00028 0.00060 6 6 6 0.0001 0.00080 0.00080	0.005 0.005 0.01 0.005 2 2 100% 0.005 0.005 0.005 0.005 0.005	2 100% 0.33 0.34 0.34 0.34 0.34 0.35 0.67 0.79 0.53 0.67 6 6 100% 0.55 2.91 1.26 2.20 5 5	100% 0.00140 0.00540 0.00540 0.00590 6 6 100% 0.00590 0.01590 0.01590 0.01590 0.01590 0.01590 0.00528 0.01590 0.00528 0.01590 0.00528 0.00590 0.00588	0.00010 0.00010 0.00010 6 6 100% 0.00001 0.00010 0.00010 0.00010 6 6 100% 0.00010 0.00010 0.00010 5 6 100%	0.00030 0.00030 6 6 100% 0.000088 0.00500 0.00100 0.00265 6 6 100% 0.000088 0.00500 0.00101 0.00265
Asianum Maianum Detected Alaan Joan Parcendile St-129 Number of Samples Number of Obtects St-129 Number of Obtects Parcendile of Obtects Parcendile of Obtects Mainnum Mainnum Detected Mainnum Mainnum Detected Mainnum Mainnum Obtected Mainnum Mainnum Mainnum Obtected Mainnum Mai	4 100% 0.71 7.42 3.40 6.56 4 4 4 100% 0.35 8.63 2.54 6.22 3 3 3 100% 0.13	4 4 100% 0.01 0.05 0.09 4 4 4 100% 0.02 0.03 3 3 3 100% 0.06	15.08 4 4 100% 11.82 4 14.65 4 4 100% 13.44 14.65 4 100% 11.18 16.61 14.33 16.44 3 3 10.0% 11.77	4 4 100% 5.73 7.06 6.35 6.86 4 4 100% 6.61 6.74 6.66 6.72 3 3 3 100% 7.60	0.101 6 6 100% 0.011 0.047 0.020 0.033 6 6 100% 0.038 0.057 0.082	5 5 100% 0.0004 5 5 100% 0.0004 0.00 0.0004 0.00 0.0004 0.00 0.0004 0.00 0.0004 0.00 0.0001 0.0001 0.0001 0.0001 0.0001 0.0004 0.00 0.00	0.01 0.0050 6 6 6 100% 0.0001 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050	0.00300 0.00300 0.00300 6 6 6 100% 0.00100 0.01000 0.00287 0.00000 6 6 0.01000 0.00287 0.00200 0.00287 0.00000	0.00500 0.00500 0.00500 0.00500 5 5 5 100% 0.00500 0.00500 0.00500 0.00500 0.00500 0.00500 0.00500 0.00500 0.00500 0.00500 0.00500 0.00500 0.00500 0.00500	0.0003 0.0003 0.0003 5 5 5 100% 0.0005 0.0005 5 100% 0.0005 0.0005 2 2 2 100% 0.0005	100% 0.01 0.05 0.00 0.00 0.00 0.00 0.00 0.00	2 100% 0.0001 0.0001 0.0001 0.00010 6 6 100% 0.00010 0.00010 0.00010 6 6 6 100% 0.00010 0.00010 0.00010 0.00010 0.00010	2 100% 0.83 1.04 0.93 1.04 0.93 1.02 1.02 1.38 1.02 1.38 6 6 6 100% 1.00 5.56 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	2 100% 0.001	2 100% 0.0003 0.0003 6 6 6 100% 0.0003 6 6 6 100% 0.0003 6 5 5 100% 0.0003 5 5 5 100% 0.0003	2 100% 0.0015 0.0015 0.0015 0.0015 0.0015 0.0015 0.0015 0.0015 6 6 6 100% 0.0005 0.001 0.0009 0.0009 6 5 6 100% 0.00073 0.0011 0.00073 0.0015 0.00015 5 5 100% 0.00003	2 100% 0.07 0.08 0.07 0.08 6 6 6 100% 0.02 0.12 0.08 6 6 6 100% 0.02 0.14 0.08 6 6 5 100% 0.04 0.04 0.04 0.08 6 6 6 100% 0.07 0.054 0.054 0	2 100% 0.0002 0.0002 0.0002 0.00005 6 6 6 100% 0.00005 0.00000 0.00000 6 6 6 5 100% 0.00005 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	0.005 0.005 0.01 0.005 2 2 100% 0.005 0.005 0.005 2 2 2 2 100% 0.005 0.005 0.005 0.005 0.005 0.005	2 100% 0.33 0.34 0.34 0.34 6 6 100% 0.37 0.79 0.53 0.67 6 6 100% 0.35 0.67 6 5 100% 0.55 2.91 1.29 0.55 2.91 1.90 0.55 2.91 1.90 0.55 2.	100% 0.00140 0.00590 0.00590 6 6 1000% 0.00590 0.01590	0.00010 0.00010 0.00010 6 6 6 100% 0.00010	0.00030 0.00030 6 6 100% 0.000088 0.000008 0.00000 6 6 6 6 6 0.00008 0.00008 0.00008 0.00008 0.00008 0.00008 5 5 5 5 5 5
Asierum Asierum Detected Mann Dom Percerette St. 129 Number of samples	4 100% 0.71 7.42 3.40 6.56 4 4 4 100% 0.53 3.50 6.56 4 4 4 4 4 4	4 4 4 100% 0.01 0.12 0.05 0.09 4 4 100% 0.03 0.02 0.03 0.02 0.03 3 3 100% 0.11 0.08 0.11 4 4	15.08 4 4 100% 11.82 15.07 13.44 14.65 4 100% 11.18 16.61 14.33 3 100% 11.18 16.61 14.33 10.75 13.40 10.75 13.40 10.75	6.64 4 4 4 100% 5.73 7.06 6.35 6.86 4 4 100% 6.61 6.72 3 3 100% 7.60 8.10 8.10	0.101 6 6 7 100% 0.011 0.047 0.033 6 6 100% 0.038 0.057 0.082 5 100% 0.086 0.098 0.097 0.082	0.0004 5 5 5 100% 0.0001 0.0004 0.00 0.0004 5 5 100% 0.0001 0.0004 0.00 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001	0.01 0.0050 6 6 6 6 100% 0.0050 0.005 0.00	0.00300 0.003300 0.003300 0.003300 0.003300 6 6 6 100% 0.00100 0.01000 0.00287 0.00000 6 6 100% 0.00280 0.00000 5 100% 0.000000 5 100% 0.00000 6 6 6 0.00000 0.00000 6 6 6 6 0.000000 0.000000 6 6 6 6	0.00500 0.00500 0.00500 0.00500 0.00500 5 5 100% 0.00500 0.00500 0.00500 0.00500 0.00500 2 100% 0.00500 2 2 100% 0.00500 0.00500 0.00500 0.00500 0.00500 0.00500 0.00500 0.00500 0.00500 0.00500 0.00500 0.00500 0.00500 0.00500	0.0003 0.0003 0.0003 0.0003 5 5 5 100% 0.0005 0.0005 0.0005 0.0005 2 100% 2 100% 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	2 100% C000110 C00010 C00010 C00010 C000110 C0	2 2 100% 100% 100% 100% 100% 100% 100% 1	2 2 0.001 0.	2 2 00000 00000 00000 00000 00000 00000 0000	2 100% 100% 100% 100% 100% 100% 100% 100	2 100% ODF 1	2 2 0.0000 0.000000	0.005 0.005 0.005 0.005 0.005 0.005 2 2 100% 0.005 0.01 0.005 0.01 0.005 0.01 0.005 0.01 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	2 2 100% O.33 (O.34 O.34 O.34 O.34 O.34 O.34 O.34 O.37 O.37 O.37 O.37 O.37 O.37 O.37 O.37	100% 0.00640 0.00640 0.00390 0.00590 6 6 6 100% 0.00529 0.01280 0.00529 0.01280 0.00529 0.01280 0.005492 0.01280 0.005492 0.01280 0.005492 0.01280 0.005492 0.005492 0.005492 0.005492 0.005492 0.005492 0.005492 0.005492 0.005493 0.005493 0.01000	0.00010 0.00010 0.00010 0.00010 6 6 100% 0.00010 0.00010 6 6 100% 0.000010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010	0.00030 0.00030 6 6 6 6 100% 0.00000 0.00100 0.00100 0.000000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.0000
Minimum Mainmum Detected Mann John Parcradite 54-129 Number of samples	4 100% 0.71 3.40 6.56 4 4 4 100% 0.35 8.63 2.54 6.22 3 3 3 100% 0.13 6.96 6.25	4 4 100% 0.01 0.12 0.05 0.06 0.03 0.02 0.03 3 3 100% 0.06 0.11 0.08 0.10	15.08 4 4 100% 11.82 15.07 13.44 14.65 4 4 100% 11.18 16.61 14.33 16.44 3 3 100% 11.73 13.90 13.13 13.86	6.64 4 4 100% 6.73 7.06 6.35 6.86 4 4 100% 6.61 6.72 3 3 100% 7.60 8.14 7.90 8.10	0.101 6 6 7 100% 0.011 0.047 0.033 6 6 100% 0.038 0.057 0.082 5 100% 0.082	0.0004 5 5 5 100% 0.0001 0.0004 0.00 0.0004 5 5 100% 0.0001 0.0004 2 2 2 100% 0.0001 0.0001 0.0001	0.01 0.0050 6 6 100% 0.0051 0.0051 0.0051 0.0051 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050	0.00300 0.00300 0.00300 6 6 6 6 100% 0.01000 0.01000 0.00287 0.00000 6 6 6 100% 0.00287 0.00000 5 5 100% 0.00420 0.00420 0.00790 100% 0.00790	0.00500 0.00500 0.00500 0.00500 0.00500 5 5 5 100% 0.00500	0.0003 0.0003 0.0003 0.0003 5 5 100% 0.0003 0.0005 0.0005 0.0005 2 100% 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005	100% 0.01 0.00 0.00 0.00 0.00 0.00 0.00	2 100% 0.0001 0.0001 0.0001 0.0001 6 6 100% 0.00001 0.0000	2 2 1 00% 100% 100% 100% 100% 100% 100%	2 100% 0.001 0.001 0.001 0.00 0.0010 6 6 6 0.001 0.000 0.0010 0.001 0.000 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010	2 100% 0.0003 0.00000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.0000 0.0000 0.000000	2 100% 0.0010 0.0010 5 5 100% 0.0010	2 100% 0.07 0.08 6 6 6 0.02 0.00 0.00 0.00 0.00 0.00 0.0	2 109% 6 0002 109% 109% 109% 109% 109% 109% 109% 109%	0.005 0.005 0.005 0.005 0.005 0.005 2 2 100% 0.005 0.01 0.005 0.01 0.005 0.01 0.005	2 2 100% 0.33 0.34 0.34 0.34 0.34 0.34 0.34 0.37 0.37 0.37 0.37 0.55 0.67 0.55 0.55 0.67 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.5	100% 0.00540 0.005640 0.00380 0.00380 6 6 6 100% 0.00528 0.01580 0.00528 0.01580 0.00528 5 100% 0.00754 0.01525 5 5 100% 0.01000 0.01000	0.00010 0.00010 0.00010 0.00010 6 6 100% 0.00010 0.00010 6 6 6 1100% 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010	0.00030 0.00030 6 6 6 6 100% 0.00000 0.00100 0.00100 0.00266 6 6 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000
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Asierum Auerum A	4 10076 1.077 1.42 3.40 6.56 4 4 4 4 10076 0.13 6.56 3.50 6.56 4 4 4 10076 0.00 6.56 4 4 4 10076 0.00 6.56 6.56 6.56 6.56 6.56 6.56 6.5	4 4 100% 0.01 100% 0.02 0.03 3 3 3 100% 0.10 0.11 0.08 0.10 4 4 4 100% 0.00 0.00 0.00 0.00 0.00 0.00 0.00	15.08 4 4 4 4 4 100% 1182 1244 1445 4 4 100% 11.10 10.17 13.30 10.17 13.30 13.30 4 4 4 4 4 4 4 4 4 4 4 4 4	4 4 4 10% 573 10% 10% 10% 10% 10% 10% 10% 10% 10% 10%	0.101 6 6 100% 0.011 0.047 0.020 0.033 6 100% 0.088 0.088 0.082 5 100% 0.082 6 100% 0.082	0.0004 5 5 100% 0.0001 0.0001 0.000 0.0004 0.00 0.0004 0.0004 0.0004 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001	0.01 0.0000 0.00	0.00000 0.000000 0.000000 0.000000 0.000000	0.00000 0.00000 0.00000 0.000000 0.000000	0.0003 0.0003	100% 10	2 100% 0.00019	2 2 100% OR 10	2 100% 0.001	2 100% 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000	2 100% 0.0015 100%	2 2 0.00% 0.	2 100% 0.0000 0.000000	0.005 0.005 0.005 0.005 2 2 100% 0.005	2 2 2 100% C 221 100%	100% 0.00140 0.00590	0.00010 0.000010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.000	0.00030 0.00030 6 6 100% 100% 0.00050 0.0
Asiansm Asiansm Detected Asian Detected Asian Suph Percentile Sh-128 Author of Arbitics Author of Arbitics Author of Arbitics Author of Arbitics Asiansm Asian	4 100% 0.271 7.42 100% 0.271 100%	4 4 4 4 001 001 001 001 002 003 4 4 4 003 003 003 003 004 4 4 005 006 007 006 007 006 007 007 007 007 007	15.08 4 4 100% 11.82 15.07 13.44 4 4 4 4 4 101% 101% 101% 102% 102% 102% 102% 102%	6.64 4 100% 6.73 6.36 6.36 6.36 6.4 4 4 100% 6.73 100% 6.73 100% 6.74 7.80 6.14 100% 7.90 6.14 100% 7.90 6.14 100% 7.90 6.14 100% 7.90 6.14 100% 7.90 6.14 100% 7.90 6.14 100% 7.90 6.14 100% 7.90 6.14 100% 7.90 6.14 100% 7.90 6.14 100% 7.90 6.14 100% 7.90 6.14 100% 7.90 6.14 100% 7.90 6.14 100% 7.90 6.14 100% 7.90 6.14 100% 7.90 6.14 100% 7.90 6.14 100% 7.90 6.14 100% 6.15 6.16 6.16 6.16 6.72	0.101 6 100% 0.061 100% 0.061 100% 0.061 100% 0.063 100% 0.063 0.066 100% 0.066	0.0004 5 5 100% 0.0001	0.0016 6 6 10076 0.0001 0.0001 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	0.00000 0.00000 0.00000 0.00000 0.000000	0.0000	100% CDF	2 100% 0.00011	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 100% 100	2 2 2 100% 100	2 100% 100% 100% 100% 100% 100% 100% 100	2 2 2 100% 100% 100% 100% 100% 100% 100%	2 100% 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.000000	0.000 0.001 0.005 0.01 0.005 2 2 10076 0.005	2 2 100% 0.34 0.34 0.34 0.34 0.34 0.34 0.34 0.34	100% 0.00140 0.00390 0.00390 0.00390 0.00590 0.005029 0.01590	0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.000110 0.000	0.00000 0.00000 0.000000 0.000000 0.000000
Asierum Auerum A	4 4 100% 0.54 100% 0.54 100% 0.55 10	4 4 4 4 4 6 109% 081 4 4 4 4 4 7 082 083 7 083 7 109% 083 7 109% 084 4 109% 085 085 085 085 085 085 085 085 085 085	15.08 4 4 4 100% 1182 1182 1182 1182 1184 4 4 4 4 100% 1183 1181 1485 1181 1485 100% 1183 1007 1187 1280 1008 1008 1008 1008 1008 1008 1008	6.64 4 4 100% 6.73 7.06 6.35 6.81 6.86 6.86 6.87 6.87 6.87 6.87 6.87 6.87	0.101 6 1076 7 1076 9 1076		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	0.00000 0.000000	0.0003	100% 10	2 100% A 00011 0 00011	2 2 100% C 100%	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 100% 0.0002 0.	2 100% 0.0011 0.0015 0.0	2 100% 100% 100% 100% 100% 100% 100% 100	2 109% A 0.0000 C 0.00000 C 0.000000 C 0.00000 C 0.000000 C 0.000000 C 0.00000 C 0.00000 C 0.00000 C 0.00000 C 0.000000 C 0.00000 C 0.000000 C 0.00000 C 0.0	0.005 0.005 0.005 0.005 0.005 2 2 2 100% 0.005	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	100% 0.00140 0.00560 0.00560 6 6 6 100% 0.005500 0.005500 0.005500 0.005528 0.001500 0.005528 0.001500 0.005528 0.001500 0.005528 0.001500 0.005528 0.001500 0.005528 0.001500 0.005528 0.001500 0.005528 0.001500 0.005528 0.001500 0.005528 0.001500 0.00553	0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00011 0.0001	0.000000 0.0000000 0.00000000000000000
Asiemum Asiemum Detected Asiemum Detected Asiemum Detected Asiemum Detected Asiemum Service Strategy Strategy Asiemum Service Service Service Asiemum Detected Asiemum Detected Asiemum Detected Asiemum Asiemum Service Asiemum Service Service Asiemum Service Service Asiemum Service Asiemum Service Asiemum Detected Asiemum Service Asiemum Detected Asiemum Service Asiemum Servi	4 100% 0.71 7.42 1.00% 0.75 1.00%	4 4 4 100% 0.01 100% 0.02 100% 0.01 100% 0.01 100% 0.01 100% 0.02 100% 0.01	15.08 4 4 100% 1120 1132 1132 1134 4 4 4 4 4 100% 1138 1138 1233 1333 100% 1077 1336 1236 1246 1157 1258 1268 1268 1268 1268 1268 1268 1268 137 1388 1388 1483 1483 1584 1684 1684 1684 1684 1684 1684 1684 16	6.64 4 4 100% 6.73 100% 6.73 100% 6.61 4 100% 6.61 6.70 6.70 6.70 6.70 6.70 7.70 7.70 7.70		\$ 100% 0.0004 0.0	Gat 1 Gat 6 Gat 6 Gat 7 Ga	0.000000 6 6 6 70000000000000000000000000	0.00000 0.000000	0.0003 0.0003	100% 100% 100% 100% 100% 100% 100% 100%	2 100% 0.00011	2 2 2 109% C 109	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 0.0003	2 100% 0.0016 100%	2 2 0.00% 0.	2 100% 0.00000 0.000000 0.00000 0.00000 0.00000 0.00000 0.000000	0.005 0.005	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	100% 0.00140 0.00560 0.00560 6 6 6 100% 0.00560 0.01560 0.01560 0.01560 0.01560 0.01560 0.00560 0.00560 0.00560 0.00560 0.00560 0.00560 0.00560 0.00560	0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.000110	0.00000 0.000000
Asianum Asianum Detected Asian Spin Percentific St-129 Number of Jorden	4 100% 0.00%	4 4 4 105% 105% 105% 105% 105% 105% 105% 105%	15.08 4 4 4 100% 1182 1182 1182 1182 1184 4 4 4 4 100% 1183 1184 1483 1044 1187 1287 1288 1188 1188 1188 1188 1188	6.64 4 4 100% 573 6.68 6.86 6.86 6.87 6.87 6.87 6.87 6.87	9.101 6 100% 7.001 8 100% 9.001 9.002 8 6 6 100% 9.002 9.002 9.002 9.003 9.	0.0004 5 100% 0.0001	0.001 0.0056 0 0 0.0056 0 0 0.0056 0 0 0.0056 0 0 0.0056 0 0 0.0056 0 0 0.0056 0 0 0.0056 0 0 0.0056 0 0 0 0.0056 0 0 0 0.0056 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	0.00000 0.000000	0.0003 0.0005	100% 100%	2 100% 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00011 0.00010 0.00011	2 2 1 100% O.88 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 0.0016 0.0015 0.0015 0.0015 0.0015 0.0015 0.0015 0.0015 0.0015 0.0005	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.005	2 2 1 109% O 234 O 244 O	100% 0.00140 0.00590 0.00590 6 6 6 6 100% 0.00590 0.00590 0.01500	0.00010 0.000010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.000	0.00000 0.00000 0.000000 0.000000 0.000000
Morieman Maximum Detected Mean 500 Procredite 51-129 Number of Samples Number of Detects Minimum Detected Mann 500 Procredite 52-618 Mannam Detected Mannam Maximum Detected Mannam Mannam 500 Procredite 52-618 Number of Samples Number of Detects Procredite 52-618 Number of Samples Number of Detects Mannam Man	4 100% 0.71 7.42 1.00% 0.75 1.00%	4 4 4 100% 100% 100% 100% 100% 100% 100%	15.08 4 4 100% 1122 1124 1124 4 4 4 4 4 4 100% 1134 1138 1138 1138 1238 1248 1258 1278 1288 1288 1288 1288 1288 1288 128	6.64 4 4 100% 6.73 100% 6.61 100% 6.61 100% 6.61 100% 6.61 4 4 4 4 100% 6.61 100% 6.61 2.72 2.10 2.00 2.00 2.00 2.00 2.00 2.00 2.0	0.101 6 1075 1075 0.001 0.001 0.001 0.0000 0.00000 0.00000 0.00000 0.000000	\$ 100% 0.0004 0.0	921 0.0050 0.005	0.000000 6 6 6 7 6 7 6 7 6 8 7 7 7 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9	0.00000	0.0003 0.0003	100% 10	2 100% 0.00011	2 1 109% 0.83 1 1.04 0.83 1 1.02 0.85 1 1.04 0.86 1 1.00 0.87 1 1.02 0.87 1 1.02 0.88 1 1.00 0.88	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 100% 0.0015 100%	2 2 0.00% 0.	2 100% 0.000000	0.005	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	100% 0.00140 0.00560 0.00560 6 6 6 100% 0.00560 0.01560 0.01560 0.01560 0.01560 0.00560 0.00560 0.00560 0.00560 0.00560 0.00560 0.00560 0.00560 0.00560 0.00560	0.00019	0.00000 0.000000 0.000000 0.000000 0.000000
Morieman Maximum Detected Masim Son Procredite S1-129 Number of asimples	4 1 100% 0.21 100% 0.22 100% 0.23 10	4 4 4 4 6 100% 0.01 100% 0.05 100% 0.00 100% 0	15.08 4 4 100% 1182 15.07 13.44 14.05 14.63 14.63 15.07 13.49 16.41 16.4	6.64 4 4 100% 573 708 6.35 6.36 6.44 4 4 4 100% 6.65 6.72 3 3 100% 6.10 6.10 7.60 7.60 6.10 7.60 6.10 7.60 6.10 7.60 6.10 7.60 6.10 7.60 6.10 7.60 7.60 6.10 7.60 7.60 6.10 7.60 7.60 7.60 7.60 7.60 7.60 7.60 7.6	0.101 6 100% 7 100% 9 100%	0.0004 5 100% 0.0001	9.01	0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	0.00000	0.0003 0.0005	100% 0.01	2 100% 0.00011	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 100% 100% 100% 100% 100% 100% 100% 100	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 0.0000 0.000000	0.005	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	100% 0.00140 0.00260 0.00260 0.002600 0.002600 0.002600 0.002600 0.012600	0.00010 0.0001	0.000000 0.000000000000000000000000000
Minimum Assimum Detected Assin Quit Percentile 4-129 Number of Detects Number of Surptics Number of	4 100% 0.05 100% 0.07 1100% 0.05 1200 1200 1200 1200 1200 1200 1200 12	4 4 4 4 4 4 6 109% 0.01 109% 100% 100% 100% 100% 100% 100% 10	15.08 4 4 4 100% 1182 1182 1182 1182 1182 1184 4 4 4 4 100% 1181 1181 1181 1181 1181 1181 1181	6.64 4 4 100% 6.73 7.06 6.35 6.86 6.86 6.86 6.87 6.87 6.87 6.87 6.87	0.101 6 1076 7 1076 8 10776 9 0.002 9 0.002 10 0.002 10 0.002 10 0.002 10 0.002 10 0.002 10 0.002 10 0.002 10 0.002 10 0.002 10 0.002 10 0.002 10 0.002 10 0.002 10 0.003 10 0.0		0.015 0.0050 0.00	0.00000 0.000000 0.0000000000000000000	0.00000	0.0000	100% 100%	2 100% 0.00010	2 2 100% 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 100% 0.0002 0.	2 100% 0.00052	2 100% 0.07 0.08 0.07 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.09 0.09 0.09 0.09 0.09 0.09 0.00	2 100% 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	0.005 0.005 0.01 0.005 0.01 0.005	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	100% 0.00140 0.00560 0.00560 6 6 10076 0.00550 10076 0.00550 0.01550 0.00550	0.00010 0.00010 0.00010 0.00010 0.00011 0.0001	0.00000
Monimum Maximum Detected Mean 500 Procredite 51-129 Number of samples Number of Detects Procredity of Detects Minimum Maximum Detected Maximum Detected Maximum Observed 52-619 Where of Samples Number of Samples Number of Detects Minimum Maximum Detected M	4 4 4 100% 0.374 1	4 4 4 100% 0.01	15.08 4 4 100% 1122 1132 1132 1134 4 4 4 4 100% 1138 1138 1138 1138 11433 100% 1158 1177 1130 1130 1177 1130 1130	6.64 4 4 100% 6.73 6.66 6.73 6.76 6.76 6.76 6.76 6.76	0.101		921 0.0056 0	0.00000 0.00000 0.00000 0.000000 0.000000	0.00000	0.0003 0.0003	100% 100%	2 100% 0.00011	2 2 1 109% 0.83 1 1.04 0.83 1 1.02 0.85 1 1.04 0.86 1 1.05 0.87 1 1.05 0.87 1 1.05 0.87 1 1.05 0.87 1 1.05 0.87 1 1.05 0.87 1 1.05 0.87 1 1.05 0.87 1 1.05 0.87 1 1.05 0.87 1 1.05 0.87 1 1.05 0.87 1 1.05 0.87 1 1.05 0.98 1 1.05 0.9	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 100% 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00	2 100% 0.0001 0.0	2 100% 0.007 0.008 0.007 0.008 0.007 0.008	2 100% 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	0.005	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	100% 0.00140 0.00560 6 6 6 100% 0.00580 0.01500 6 6 6 6 100% 0.00580 0.01525 6 6 6 6 6 6 6 6 7 0.00580 0.01525 7 0.00580 0.00580 0.00580 0.00580 0.00580 0.01500	0.00010 0.0001	0.00000
Asiannen Asi	4 1 100% 100% 100% 100% 100% 100% 100% 1	4 4 4 4 4 4 6 100% 001 100% 002 003 100% 4 4 4 100% 001 100% 003 100% 100% 100% 100% 1	15.08 4 4 4 100% 1182 15.07 13.44 14.55 16.67 13.45 14.45 16.67 13.46 16.67 17.80 10.08 11.80 10.08 11.80 10.08 11.80 10.08 11.80 10.08 11.80 10.08 10	6.64 4 4 100% 573 1706 6.36 6.36 6.44 4 4 100% 6.65 6.56 6.72 100% 6.10 6.10 6.10 6.10 6.10 6.10 6.10 6.10	0.101	0.0004 5 100% 0.0001	921 0.0056 0.005	0.00000 0.000000	0.00000	0.0000	100% 100%	2 100% 0.00011	2 2 2 100% 0.88 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 100% 0.0002 0.0	2 100% 100%	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 100% 2	0.005	2 100% 0.04 100% 0.05 100% 0.04 100% 0.05 100% 0.04 100% 0.05 100% 0.04 100% 0.05 100%	100% 0.00140 0.00250 0.00500 0.005000 0.005000 0.005000 0.005000 0.005000 0.01500 0.01500 0.005000 0.01500 0.0050000 0.0050000 0.0050000 0.00500000000	0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00011 0.00010 0.00011 0.0001	0.00000 0.000000 0.000000 0.000000 0.000000
Moreuma Maximum Detected Mann Son Procredite 51-129 Number of samples Number of sam	4 1 100% 100% 100% 1100%	4 4 4 4 4 6 1075 0.01 1075 0.02 10.05 0.00 10.05	15.08 4 4 100% 1122 15.07 1124 4 4 4 4 100% 1138 1138 1138 1138 1138 1138 1138 113	6.64 4 4 100% 6.73 100% 6.61 100% 6.	G.101	\$ 100% 0.0004 0.0001 0.0	Gat 1 Ga	0.00000 6 6 6 70000 6 6 70000 6 700000 6 700000 6 700000 6 700000 6 7000000 6 700000000 6 70000000000	0.00000	0.0003 0.0003	100% 10	2 100% 0.00019	2 2 1 100% 0.81 1 100% 0.82 1 100% 0.83 1 100 1 100% 0.84 1 100% 0.85 1 100% 0.86 1 100%	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 100% 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0	2 100% 0.0016 0.00016 0.000016 0.000016 0.000016 0.00016 0.00016 0.00016 0.00	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 100% 0.000000	0.005	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	100% 0.00140 0.00560 0.00560 6 6 6 100% 0.00560 0.01500 0.01500 0.01500 0.01500 0.00560 0.00560 0.00560 0.00560 0.00560 0.00560 0.00560 0.00560 0.00560 0.00560 0.00560 0.00560	0.00010 0.00010 0.00010 0.00010 0.00011	0.00000
Moment Mo	4 100% 0.03 1.00% 0.03	4 4 4 100% 100% 100% 100% 100% 100% 100%	15.08 4 4 4 100% 1182 1182 1182 1182 1182 1182 1182 118	6.64 4 4 100% 573 4 4 4 100% 6.63 6.64 6.67 6.72 7.60 6.61 6.67 6.72 7.60 6.72 7.60 6.73 3 3 3 100% 6.74 7.60 6.72 7.60 6.74 7.60 6.74 7.60 6.75 7.60 6.75 7.60 6.75 7.60 6.66 6.75 7.60 6.66 6.75 7.60 6.66 6.75 7.60 6.66 6.75 7.60 6.66 6.75 7.60 6.66 6.75 7.60 6.66 6.75 7.60 6.66 6.75 7.60 6.66 6.75 7.60 6.66 6.75 7.75 7.75 7.75 7.75 7.75 7.75	9.101 6 1076 1076 1076 1077 107		0.001 0.0056 0 0 0.0056 0 0 0.0056 0 0 0.0056 0 0 0.0056 0 0 0.0056 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.000000 0.000000000000000000000000000	0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	0.0000	100% 0.01 0.	2 100% 0.00010 0.00010 0.00010 0.00010 0.00011	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 100% 0.000 0.0010 0.00	20000 20000	2 100% 100%	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 100% 0.00000 0.000000 0.000000 0.000000 0.000000	0.005	2 1 100%	100% 0.00140 0.00590 0.00590 6 6 6 6 6 7 100% 0.00590 0.01500 0.01500 0.01500 0.01500 0.01500 0.00590 0.01500 0.00590 0.01500 0.00590 0.01500 0.00590 0.01500 0.00590 0.01500 0.00590 0.01500 0.00590 0.01500 0.00590 0.01500	0.00010 0.0001	0.000000 0.000000000000000000000000000

9 2256C 11 808.60 NEW HISPORT NOTE: 15000 AND M. SAC. RBV 0x15 CSCSPTON PRIF O CHC APP.



TABLE 3.3 BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT STREAM WATER QUALITY DATA SUMMARY STATISTICS. MINE SITE TO STEENSBY PORT GENERAL PARAMETERS AND TOTAL METALS

Mathematical														AMETERS AND			Prin	t Sep/28/10 13:4
Mathematical Math	Site ID		SpC	DO	рН						Sodium	Strontium	Thallium				n Vanadium	Zinc Total
Mathematical	IDL (2005)		•	9.50	6.5 - 9.0	0.001		0.005		0.0001					0.003		0.0009	0.030 0.001 0.01
Section	IDL (2607) IDL (2608)					0.0005	2 0.05	0.001	0.05	0.00001 0.000001	2 0.0012	0.0001	0.0001	0.0001	0.01	0.00001	0.001	0.001
Mathematical Math	Ockburn Area	25	25	25	25													
Mathematical		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Column	Anximum Detected Mean	13.48	0.02	14.90	7.55	0.005	2.00	0.005	1.46	0.0001	2.1600	0.0065	0.0002	0.0100	0.02	0.00023	0.001	0.004
Section		ık Lake													0.01			0.010
	lumber of Detects	10	10	9	10	12	12	12	6	12	12	12	8	12		6	12	
1898 1899	faximum Detected	16.06	0.04	15.21	8.50	0.0050	2.00	0.005	1.29	0.0001	2.0000	0.0071	0.0002	0.0100	0.01	0.00036	0.001	0.010
	0th Percentile																	
Mathematical	lumber of samples lumber of Detects	7	7	7	7	7	7	7	4	7	7	7	6	7	5	4	7	7
Mathematical	Minimum	0.24	0.01	12.17	6.14	0.0005	0.19	0.001	0.40	0.00001	0.4700	0.0020	0.0001	0.0001	0.003	0.00009	0.0009	0.001
Section		4.31	0.02				0.52	0.00	0.51	0.000049	1.0114			0.0031	0.01			0.004
1898	lumber of samples																	
	Percentage of Detects	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Column	Mean	5.95	0.10	11.80	6.91	0.0006	0.87	0.00	0.69	0.000008	15.0200	0.0250	0.0001	0.0001	0.01	0.00015	0.001	0.008
Mary																		
Mathematical	Percentage of Detects	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Column	faximum Detected	15.04	0.02	12.94	6.39	0.0013	0.86	0.001	1.58	0.000015	1.2000	0.0226	0.0001	0.0001	0.01	0.00014	0.001	0.003
Column	Oth Percentile Camp Lake to Steensby Port																	0.003
Section	lumber of samples																4 4	
	ercentage of Detects	100%	100% 0.012	100%	100%	100%	100%	100%		100%	100%	100%	100%	100%	100%		100%	100%
The content	fean	2.39	0.02	13.31	6.90	0.0020	0.48	0.00		0.000100	0.7325	0.0039	0.0002	0.0033	0.01		0.001	0.010
Martin	1-011 lumber of samples	1	1	1	1	1	- 1	1		1	1	1	0	1	1		1	1
Martin	ercentage of Detects	100%	100%	100%	100%	100%	100%	100%		100%	100%	100%		100%	100%		100%	100%
Series	Maximum Detected Mean	0.22 0.22	0.01 0.01	13.40 13.40	7.48 7.48	0.001 0.0010	0.31 0.31	0.005 0.01		0.0001	0.4500 0.4500	0.0033 0.0033		0.0010	0.003		0.0009 0.001	0.001
Column	0th Percentile 51-020 Jumber of samples	0.22	0.01	13.40	7.48	0.0010	0.31	0.005		0.000100	0.4500	0.0033	#NAME?	0.0010	0.003		0.001	0.001
Mathematical Math	lumber of Detects Percentage of Detects																	1 100%
Martin	flaximum Detected	0.70	0.03	15.81	7.11	0.001	0.49	0.005		0.0001	0.3900	0.0035	0.0002	0.0010	0.003		0.0009	0.001
Control	0th Percentile		0.03	15.81			0.49	0.005	<u> </u>		0.3900			0.0010			0.001	0.001
Mathematical Math	lumber of samples lumber of Detects	4	4	4	4	4	4	4		4	4	4	3	4	3		4	4
Mathematical Math	finimum	1.72	0.03	12.57	6.74	0.001	0.49	0.001		0.0001	0.4900	0.0042 0.0060	0.0002	0.0010	0.003		0.0009	0.001
Marting	fean 0th Percentile	3.52	0.03	13.40	7.05	0.0020	0.55	0.00		0.000100	0.5575	0.0048	0.0002	0.0033	0.00		0.00	0.008
Margar M	lumber of samples											_						_
Marchane 19	ercentage of Detects	100%	100%	100%	100%	100%	100%	100%		100%	100%	100%	100%	100%	100%		100%	100%
Section 1	fean	3.87	0.04	13.14	7.18	0.00	0.59	0.00		0.000100	0.5750	0.0056	0.0002	0.0078	0.00		0.00	0.01
Section Content	1-050																	
Marchanes 15	Percentage of Detects	100%	100%	100%	100%	100%	100%	100%		100%	100%	100%	100%	100%	100%		100%	100%
Marchanes 1	Aaximum Detected	8.95	0.02	14.35	7.02	0.001	0.40	0.005		0.0001	0.8600	0.0038	0.0002	0.0010	0.003		0.0009	0.006
The part																		0.005
Marchanes	lumber of Detects	4	4	4	4	4	4	4		4	4	4	3	4	3		4	4
Markenskale 1. 19 19 19 19 19 19 19 19 19 19 19 19 19	Ainimum	0.24	0.01	12.00	5.13	0.001	0.20	0.001		0.0001	0.5500	0.0049	0.0002	0.0010	0.003		0.0009	0.001
Martin	0th Percentile																	0.004
Marken Call	lumber of samples									4	4							
Mart	Minimum	-0.06	0.01	9.44	5.30	0.001	0.19	0.001		0.0001	0.4400	0.0030	0.0002	0.0010	0.003		0.0009	100%
THE	Mean	2.27	0.01	13.92	5.79	0.00	0.24	0.00		0.000100	0.4675	0.0031	0.0002	0.0033	0.003		0.001	0.010
Section Sect	jumber of samples																	4
Martine 168	Percentage of Detects	100%	100%	100%	100%	100%	100%	100%		100%	100%	100%	100%	100%	100%		100%	100%
March of Amphone 1	Mean	3.56	0.01	12.83	6.31	0.00	0.14	0.00		0.000100	0.4225	0.0025	0.0002	0.0078	0.00		0.00	0.020
The section of the se	1-090																	
Common	lumber of Detects ercentage of Detects	2 100%	2	2 100%	2 100%	2 100%	2 100%	2 100%		2 100%	2 100%	2 100%	2 100%	2 100%	2 100%		2 100%	100%
18	Maximum Detected	9.96	0.01	15.76	6.65	0.001	0.41	0.005		0.0001	0.5300	0.0045	0.0002	0.0010	0.01		0.0009	0.002
Marchan Marc	Oth Percentile	9.05	0.01	15.08	6.64	0.0010	0.39	0.005		0.000100	0.5230	0.0044	0.0002	0.0010	0.01		0.001	0.002
Severe Marchement 277	lumber of samples lumber of Detects	4	4	4	4	6	6	6	2	6	6	6	5	6	5	2	6	6
March 160	finimum faximum Detected	0.71 7.42	0.01 0.12	11.82 15.07	5.73 7.06	0.0003 0.005	0.23	0.001	0.22	0.000001	1.3300 3.2300	0.0036 0.0066	0.0001 0.0002	0.0001	0.003	0.00003	0.0009	0.001
March of Charles	lean Oth Percentile		0.05		6.35	0.00	0.30		0.24	0.000067					0.01		0.00	0.003
	lumber of samples lumber of Detects	4	4	4	4	6	6	6	2	6	6	6	5	6	5	2	6	6
See	ercentage of Detects	100%	100%	100%	100%	100% 0.0005	100%	100%	100% 0.25	100%	100%	100%	100% 0.0001	100%	100%	0.00005	100%	100%
Section of Section	lean	2.54	0.02	14.33	6.66	0.00	0.48	0.00	0.35	0.000067	3.6750	0.0081	0.0002	0.0022	0.01	0.00008	0.00	0.010 0.003 0.007
werespecial personal profession of 100% 100% 100% 100% 100% 100% 100% 100	2-010 lumber of samples	3	3	3	3	5	5	5	2	5	5	5	2	5	2	2	5	5
Sementementerement S. 196	ercentage of Detects	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Section Sect	laximum Detected	6.96 3.50	0.11	13.90 13.13	8.14 7.90	0.005	1.04 0.66	0.001	0.77	0.0001	3.7400 1.4880	0.0154 0.0089	0.0001 0.0001	0.0100	0.01	0.00220	0.001	0.01
Interior Of Debtech A	2-020																-	0.010
Search S	lumber of Detects	4 100%	4	4 100%	4	6 100%	6 100%	6 100%	2	6	6 100%	6 100%	2 100%	6 100%	2 100%	2 100%	6	6
8-8 Persentes 5-82 0.04 12.99 7.38 0.090 1.06 0.091 1.11 0.000100 3.300 0.0002 0.0001 0.010 0.01 0.014 0.001 0.01 0.014 0.001 0.014 0.001 0.014 0.001 0.014 0.001 0.014 0.001 0.014 0.001 0.014 0.001 0.014 0.001 0.014 0.001 0.014 0.001 0.0014		6.81	0.05	12.80	7.47	0.005	1.23	0.001	1.11	0.0001	4.4900	0.0273	0.0001	0.0100	0.01	0.00159	0.001	0.003
unter of samples 2 2 2 2 2 2 4 4 4 4 2 2 4 4 4 2 2 4 4 2 2 2 4 4 4 4 2 2 4 4 4 4 2 2 4 4 4 4 4 2 2 4 4 4 4 4 2 2 4	Oth Percentile 2-040	5.42	0.04	12.69	7.38	0.0050	1.06	0.001	1.11	0.000100	3.3900	0.0202	0.0001	0.0100	0.01	0.00148	0.001	0.010
Procession 1975 1	umber of Detects	2	2	2	2	4	4	4	2	4	4	4	2	4	2	2	4	4
Beach Beac	linimum	3.07	0.01	9.95	5.96	0.0005	0.15	0.001	0.36	0.000001	0.4200	0.0020	0.0001	0.0001	0.01	0.0000	0.001	0.003
unitered colorations 3 3 3 3 5 5 5 2 5 5 5 2 5 5	fean 0th Percentile	8.08	0.01	11.05	6.65	0.00	0.22	0.00	0.69	0.000051	0.6660	0.0040	0.0001	0.0051	0.01	0.0000	0.00	0.01
servertaged Delecks 100% 100% 100% 100% 100% 100% 100% 100%	umber of samples																	
Section Description 1,788 0.009 14.46 7.71 0.006 0.20 0.001 0.100 0.0001	ercentage of Detects	100%	100%	100% 12.48	100%	100% 0.0005	100% 0.12	100%	100%	100%	100%	100%	100%	100%	100%	0.00003	100%	0.003
2-889	fean	3.41	0.03	13.31	6.42	0.00	0.16	0.00	0.78	0.000060	0.5860	0.0033	0.0001	0.0060	0.01	0.00003	0.00	0.01
untered Debases 4 4 4 4 4 6 6 6 6 6 2 2 6 6 6 3 6 3 2 2 6 6 6 6 8 7 7 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9	2-060																	
	lumber of Detects recentage of Detects	4	4	4	4	6 100%	6 100%	6	2	6	6 100%	6	3 100%	6 100%	3	100%	6	6
20 20 20 20 20 20 20 20	laximum Detected	8.28	0.01	14.03	7.20	0.005	0.45	0.005	0.54	0.0001	2.3600	0.0066	0.0002	0.0100	0.01	0.00010	0.001	
unter of anapses 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Oth Percentile 2-120	6.91	0.01	13.96	7.15	0.0050	0.38	0.003		0.000100	1.6850	0.0053	0.0002	0.0100	0.01		0.001	0.010
inimum 3.70 0.01 13.79 7.12 0.01 0.17 0.005 0.0001 0.430 0.002 0.002 0.010 0.030 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000	umber of samples umber of Detects	1	1	1	1	1	1	1		1	1	1	1	1	1		- 1	1
tean 3.70 0.01 13.79 7.12 0.00 0.17 0.01 0.000100 0.4300 0.029 0.0002 0.0010 0.003 0.00 0.00	linimum	3.70	0.01	13.79	7.12	0.001	0.17	0.005		0.0001	0.4300	0.0029	0.0002	0.0010	0.003		0.0009	0.001 0.001
20000010000000000000000000000000000000	fean	3.70	0.01	13.79	7.12	0.00	0.17	0.01		0.000100	0.4300	0.0029	0.0002	0.0010	0.003		0.00	0.00

0 225KC 11 866KD NEW HERPORT NOTE: 15000 AMP M. SAC. HEV DOTS ESSENTING PERFO CHEC APPD



TABLE 3.4 BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT STREAM WATER QUALITY DATA SUMMARY STATISTICS. MINE SITE TO STEENSBY PORT DISSOLVED METALS

Site ID	Aluminum	Antimony	Arsenic	Laboratory Results Barium	Beryllium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Laboratos	ry Results Lithium	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Print Dec/22/11 17:32:58
MDL (2005)	Dissolved 0.004 0.005	Dissolved 0.0004	Dissolved 0.005	Dissolved 0.001	Dissolved 0.005	Dissolved 0.0003	Dissolved 0.05	0.0001 0.0001	Dissolved 0.05	0.001 0.001	Dissolved 0.0003 0.0002	Dissolved 0.0008 0.001	Dissolved 0.02 0.03	Dissolved 0.0002	Dissolved	Dissolved 0.005	Dissolved 0.0007	Dissolved .	Dissolved 0.0003	Dissolved 0.001 0.005	Dissolved 0.02
MDL (2006) MDL (2007) MDL (2008)	0.001	0.0001	0.0001	0.00006	0.0005	0.0005	0.01	0.000017	0.05	0.0005 0.0005	0.0001	0.0001	0.03	0.00005	0.005	0.1	0.00005 0.00005	0.00005	0.00005 0.00005	0.0005 0.0005	2 0.05
MDL (2011) Cockburn Area Number of samples	0.003	0.0001	0.0001	0.00005	0.0005	0.0005	0.01	0.00001	0.05	0.0005	0.0001	0.0005	0.03	0.00005	0.005	0.1	0.00005	0.00001	0.00005	0.0005	0.05
Number of Detects Percentage of Detects	29 100%	0	0	19 66%	0	0	0	0	29 100%	0	0	15 52%	1 3%	1 3%	0	29 100%	17 59%	0	15 52%	0	26 90%
Minimum Maximum Detected Mean	0.006 0.049 0.014	ND ND	ND ND	ND 0.01000 0.00490	ND ND	ND ND	ND ND	ND ND	0.20 1.05 0.56	ND ND	ND ND	ND 0.0190 0.0014	ND 0.05	ND 0.00100	ND ND	0.10 0.43 0.25	ND 0.01360 0.00463	ND ND	ND 0.00500 0.00181	ND ND	ND 2.00 0.43
90th Percentile Ravn River - Upstream of Angajurjualuk Lake Number of samples	0.025	0.0004	0.0018	0.01000	0.0050	0.0005	0.01	0.00010	0.74	0.0010	0.0002	0.0010	0.03	0.00100	0.005	0.32	0.01000	0.00005	0.00500	0.0050	0.83
Number of Detects Percentage of Detects	11 92%	0	0	7 58%	0	0	0	0	12 100%	0	0	6	7 58%	0	0	12 100%	8 67%	0	4 33%	0	11 92%
Minimum Maximum Detected Mean	ND 0.025 0.013	ND ND	ND ND	ND 0.01000 0.00591	ND ND	ND ND	ND ND	ND ND	0.50 4.00 2.12	ND ND	ND ND	ND 0.0010	ND 0.13 0.05	ND ND	ND ND	0.36 2.00 1.17	ND 0.02000 0.00608	ND ND	ND 0.00500	ND ND	ND 2.00 0.54
90th Percentile Rowley River	0.019	0.0002	0.0010	0.01000	0.0023	0.0005	0.01	0.00010	3.49	0.0010	0.0002	0.0010	0.08	0.00100	0.005	1.99	0.01000	0.00003	0.00500	0.0050	0.77
Number of Samples Number of Detects Percentage of Detects	7 6 86%	5 0 0%	7 0 0%	7 5 71%	5 0 0%	5 0 0%	7 0 0%	7 0 0%	7 7 100%	7 0 0%	7 0 0%	7 4 57%	7 0 0%	7 0 0%	0 0%	7 7 100%	7 4 57%	0 0%	7 4 57%	7 0 0%	7 6 86%
Minimum Maximum Detected Mean	ND 0.027 0.010	ND ND	ND ND	ND 0.01000 0.00437	ND ND	ND ND	ND ND	ND ND	1.00 2.00 1.39	ND ND	ND ND	ND 0.0010 0.0008	ND ND	ND ND	ND ND	0.40 1.02 0.59	ND 0.01000 0.00318	ND ND	ND 0.00500 0.00151	ND ND	ND 2.00 0.50
90th Percensile Steensby Port Area	0.021	0.0003	0.0026	0.01000	0.0032	0.0005	0.01	0.00010	1.99	0.0010	0.0002	0.0010	0.03	0.00100	0.005	0.83	0.01000	0.00004	0.00500	0.0050	1.01
Number of samples Number of Detects Percentage of Detects	12 11 92%	12 0 0%	12	12 12 100%	12 0 0%	12 0 0%	12 4 33%	12 0 0%	12 12 100%	12 0 0%	12 0 0%	12 10 83%	12 2 17%	12 0 0%	12 0 0%	12 12 100%	12 12 100%	12 0 0%	12 8 67%	12 0 0%	12 12 100%
Minimum Maximum Detected	ND 0.021	ND ND	ND 0.0016	0.00112 0.02660	ND ND	ND ND	ND 0.05	ND ND	0.77 96.50	ND ND	ND ND	ND 0.0022	ND 0.07	ND ND	ND ND	0.42 24.30	0.00009	ND ND	ND 0.00170	ND ND	0.22 3.53
Mean 90th Percentile Mid-Rail Camp Area	0.010	0.0001	0.0001	0.00481	0.0006	0.0005	0.02	0.00001	14.76 30.23	0.0005	0.0001	0.0010	0.04	0.00005	0.005	3.92 6.60	0.00144	0.00001	0.00039	0.0005	1.23
Number of Samples Number of Detects Percentage of Detects	9 7 78%	9 0%	9 0 0%	9 9 100%	9 0 0%	9 0%	9 0 0%	9 0 0%	9 9 100%	9 0%	9 4 44%	9 8 89%	9 9 100%	9 0 0%	9 0 0%	9 9 100%	9 9 100%	9 1 11%	9 0%	9 3 33%	9 9 100%
Minimum Maximum Detected	ND 0.039	ND ND	ND ND	0.00017 0.00513	ND ND	ND ND	ND ND	ND ND	0.48 3.16	ND ND	ND 0.0005	ND 0.0027	0.07	ND ND	ND ND	0.56 1.65	0.00080	ND 0.00001	ND ND	ND 0.0010	0.36
Mean 90th Percentile Camp Lake to Steensby Port - Sites Sampled	0.014 0.027 in 2005-2011	0.0001	0.0001	0.00334	0.0005	0.0005	0.01	0.00001	1.54 2.30	0.0005	0.0003	0.0008	0.18	0.00005	0.005	1.02	0.01128	0.00001	0.00005	0.0009	0.59
S1-010 Number of samples Number of Detects	4	3	4	4 3	3	3	4	4	4	4	4	4	4	4		4	4 3		4	4	4
Percentage of Detects Minimum	100%	0% ND	0% ND	75% ND	0% ND	0% ND	0% ND	0% ND	100%	0% ND	0% ND	25% ND	25% ND	0% ND		100%	75% ND		0% ND	0% ND	100%
Maximum Detected Mean 90th Percentile	0.022 0.013 0.02	ND - 0.0004	ND - 0.0050	0.01000 0.00450 0.00820	ND - 0.0050	ND - 0.0003	ND - 0.04	ND - 0.00010	3.55 1.82 2.96	ND - 0.0010	ND - 0.0003	0.0016	0.05	ND - 0.00076		2.09 1.12 1.74	0.01000 0.00543 0.00958		ND - 0.00359	ND - 0.0038	0.74 0.43 0.66
S1-011 Number of samples	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1		1	1	1
Number of Detects Percentage of Detects Minimum	1 100% 0.005	0 0% ND	0 0% ND	1 100% 0.00200	0 0% ND	0 0% ND	0 0% ND	0 0% ND	1 100% 2.01	0 0% ND	0 0% ND	0 0% ND	0 0% ND	0 0% ND		1 100%	1 100% 0.01070		0 0% ND	0 0% ND	1 100%
Maximum Detected Mean	0.005 0.005	ND	ND .	0.00200	ND .	ND	ND	ND	2.01	ND	ND	ND .	ND .	ND .		1.10	0.01070		ND -	ND .	0.31
90th Percentile S1-020 Number of samples	0.005	0.0004	0.0050	0.00200	0.0050	0.0003	0.05	0.00010	2.01	0.0010	0.0003	0.0008	0.05	0.00020		1.10	0.01070		0.00030	0.0010	0.31
Number of Detects Percentage of Detects Minimum	1 100% 0.010	0 0% ND	0 0% ND	1 100% 0.00300	0 0% ND	0 0% ND	0 0% ND	0 0% ND	1 100% 2.74	0 0% ND	0 0% ND	1 100% 0.0008	0 0% ND	0 0% ND		1 100% 1.59	0 0% ND		0 0% ND	0 0% ND	1 100% 0.51
Maximum Detected Mean	0.010	ND	ND	0.00300	ND .	ND	ND	ND	2.74 2.74	ND	ND	0.0008	ND .	ND		1.59 1.59	ND		ND	ND .	0.51 0.51
90th Percentile S1-030 Number of samples	0.010	0.0004	0.0050	0.00300	0.0050	0.0003	0.01	0.00010	2.74	0.0010	0.0003	0.0008	0.02	0.00020		1.59	0.00070		0.00030	0.0010	0.51
Number of Detects Percentage of Detects	1 25%	0	0	3 75%	0	0	1 25%	0	4	0	0	0	0	0		4	1 25%		0	0	4
Minimum Maximum Detected Mean	ND 0.005	ND ND	ND ND	ND 0.01000 0.00500	ND ND	ND ND	ND 0.05	ND ND	3.16 4.00 3.61	ND ND	ND ND	ND ND	ND ND	ND ND		1.71 2.11 1.91	ND 0.01000		ND ND	ND ND	0.51 0.63 0.56
30th Percentile S1-040 Number of samples	0.005	0.0004	0.0050	0.00820	0.0050	0.0003	0.04	0.00010	3.95	0.0010	0.0003	0.0009	0.04	0.00076		2.08	0.00727		0.00359	0.0038	0.61
Number of Detects Percentage of Detects	0	0	0	1 25%	0 0%	0 0%	0 0%	0	4	0	0	2 50%	0	0 0%		4 100%	1 25%		0	0	4 100%
Minimum Maximum Detected Mean	ND ND	ND ND	ND ND	ND 0.01000	ND ND	ND ND	ND ND	ND ND	3.00 5.00 3.83	ND ND	ND ND	ND 0.0010	ND ND	ND ND		2.00 3.00 2.35	ND 0.01000		ND ND	ND ND	0.47 0.71 0.60
90th Percentile S1-050	0.005	0.0004	0.0038	0.01000	0.0050	0.0003	0.04	0.00010	4.79	0.0010	0.0003	0.0010	0.04	0.00100		2.82	0.01000		0.00500	0.0050	0.71
Number of samples Number of Detects Percentage of Detects	3 100%	0	0	3 100%	0	0	1 33%	0	3	0	0	0	0	0		3	1 33%		0	0	3 100%
Minimum Maximum Detected Mean	0.012 0.020 0.015	ND ND	ND ND	0.00200 0.00300 0.00267	ND ND	ND ND	ND 0.05	ND ND	1.65 2.24 1.87	ND ND	ND ND	ND ND	ND ND	ND ND		0.76 1.22 0.92	ND 0.00250		ND ND	ND ND	0.32 0.42 0.36
stean soth Percentile S1-060	0.018	0.0004	0.0050	0.00300	0.0050	0.0003	0.04	0.00010	2.14	0.0010	0.0003	0.0008	0.04	0.00020		1.13	0.00214		0.00030	0.0010	0.40
Number of samples Number of Detects Percentage of Detects	4 100%	3 0 0%	0 0%	4 3 75%	3 0	3 0 0%	1 25%	4 0 0%	4 100%	0	4 0 0%	1 25%	0 0%	0 0%		4 4 100%	1 25%		0 0%	4 0 0%	4 4 100%
Minimum Maximum Detected Mean	0.017 0.045 0.030	ND ND	ND ND	ND 0.01000 0.00400	ND ND	ND ND	ND 0.05	ND ND	0.95 1.28 1.08	ND ND	ND ND	ND 0.001	ND ND	ND ND	-	0.38 0.53 0.47	ND 0.01000		ND ND	ND ND	0.20 0.43 0.30
90th Percentile S1-070	0.043	0.0004	0.0050	0.00760	0.0050	0.0003	0.04	0.00010	1.23	0.0010	0.0003	0.0009	0.04	0.00076		0.52	0.00928		0.00359	0.0038	0.40
Number of samples Number of Detects Percentage of Detects	4 100%	3 0 0%	0 0%	4 3 75%	3 0	3 0 0%	4 0 0%	4 0 0%	4 3 75%	4 0 0%	4 0 0%	4 1 25%	0	0 0%		4 4 100%	4 1 25%		4 0 0%	4 0 0%	4 4 100%
Minimum Maximum Detected Mean	0.015 0.065 0.038	ND ND	ND ND	ND 0.01000 0.00375	ND ND	ND ND	ND ND	ND ND	ND 0.74 0.55	ND ND	ND ND	ND 0.001	ND ND	ND ND		0.27 0.32 0.29	ND 0.01000		ND ND	ND ND	0.18 0.36 0.24
90th Percentile S1-080	0.060	0.0004	0.0050	0.00760	0.0050	0.0003	0.04	0.00010	0.74	0.0010	0.0003	0.0010	0.04	0.00076		0.31	0.00871		0.00359	0.0038	0.32
Number of samples Number of Detects Percentage of Detects	4 4 100%	0	0 0%	4 1 25%	0	1 0 0%	4 0 0%	4 0 0%	4 4 100%	4 0 0%	4 0 0%	0	4 0 0%	0 0%		4 4 100%	0 0%		0 0%	0	4 4 100%
Minimum Maximum Detected Mean	0.007 0.040 0.018	ND ND	ND ND	ND 0.01000	ND ND	ND ND	ND ND	ND ND	0.40 0.72 0.51	ND ND	ND ND	ND ND	ND ND	ND ND		0.16 0.29 0.21	ND ND		ND ND	ND ND	0.12 0.19 0.14
Mean 90th Percentile S1-090	0.032	0.0004	0.0038	0.01000	0.0050	0.0003	0.01	0.00010	0.65	0.0010	0.0003	0.0010	0.03	0.00100		0.26	0.01000		0.00500	0.0050	0.17
Number of samples Number of Detects Percentage of Detects	2 2 100%	0	0 0%	2 2 100%	0	2 0 0%	2 0 0%	0 0%	2 100%	0	0	2 2 100%	0 0%	0 0%		2 2 100%	1 50%		0 0%	0 0%	2 2 100%
Minimum Maximum Detected Mean	0.020 0.054 0.037	ND ND	ND ND	0.00200 0.00200 0.00200	ND ND	ND ND	ND ND	ND ND	0.89 1.02 0.95	ND ND	ND ND	0.0009 0.0013 0.0011	ND ND	ND ND		0.32	ND 0.00510		ND ND	ND ND	0.23 0.40 0.32
90th Percentile S1-110	0.051	0.0004	0.0050	0.00200	0.0050	0.0003	0.05	0.00010	1.01	0.0010	0.0003	0.0013	0.05	0.00020		0.32	0.00466		0.00030	0.0010	0.38
Number of samples Number of Detects Percentage of Detects	6 5 83%	5 0 0%	6 0 0%	6 5 83%	5 0 0%	5 0 0%	6 1 17%	6 0 0%	6 6 100%	6 0 0%	6 0 0%	0	6 0 0%	6 0 0%	0 0%	6 6 100%	6 3 50%	0 0%	6 2 33%	0	6 6 100%
Minimum Maximum Detected	ND 0.010	ND ND	ND ND	ND 0.01000	ND ND	ND ND	ND 0.05	ND ND	0.54 1.88	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	0.38 0.84	ND 0.01450	ND ND	ND 0.00500	ND ND	0.22 0.51
Mean 90th Percentile S1-120	0.007	0.0004	0.0050	0.00294	0.0050	0.0005	0.03	0.00010	1.00	0.0010	0.0003	0.0009	0.04	0.00060	0.005	0.52	0.01225	0.00001	0.00265	0.0030	0.28
Number of samples Number of Detects Percentage of Detects	6 6 100%	5 0 0%	6 0 0%	6 5 83%	5 0 0%	5 0 0%	6 2 33%	6 0 0%	6 6 100%	6 0 0%	6 0 0%	6 5 83%	6 5 83%	6 0 0%	0 0%	6 6 100%	6 5 83%	0 0%	6 2 33%	6 0 0%	6 6 100%
Minimum Maximum Detected	0.008	ND ND	ND ND	ND 0.01000	ND ND	ND ND	ND 0.05	ND ND	1.00 5.60	ND ND	ND ND	ND 0.0010	ND 0.25	ND ND	ND ND	0.50 2.87	ND 0.01890	ND ND	33% ND 0.00500	ND ND	0.32 0.66
Mean 90th Percentile 52-010	0.019	0.0004	0.0050	0.00375 0.00733	0.0050	0.0005	0.03	0.00010	2.47 4.24	0.0010	0.0003	0.0009	0.11	0.00060	0.005	1.22 2.15	0.00683 0.01445	0.00001	0.00265	0.0030	0.44
Number of samples Number of Detects	4	0	5	5 2	0	0	5	5 0	5	0	0	5	5 1	5	2 0	5	5	0	5 2	5	5
Percentage of Detects Minimum Maximum Detected	80% ND 0.014	0% ND ND	0% ND ND	40% ND 0.01000	0% ND ND	0% ND ND	0% ND ND	0% ND ND	100% 6.00 13.00	0% ND ND	0% ND ND	40% ND 0.0010	20% ND 0.03	ND ND	0% ND ND	3.00 7.31	40% ND 0.01000	0% ND ND	40% ND 0.00500	ND ND	0.37 0.91
Mean 90th Percentile	0.009 0.012	0.0001	0.0010	0.01000	0.0005	0.0005	0.01	0.00010	9.26 12.20	0.0010	0.0002	0.0010	0.03	0.00100	0.005	5.11 6.79	0.01000	0.00001	0.00500	0.0050	0.60
S2-020 Number of samples Number of Detects	5 5	2	5	5 2	2	2	5	5	5	5	5	5	5	5	2	5 5	5	2	5 2	5	5
Percentage of Detects Minimum Maximum Detected	0.011 0.053	0% ND ND	0% ND ND	40% ND 0.01220	0% ND ND	ND ND	0% ND ND	0% ND ND	100% 1.00 12.30	0% ND ND	0% ND ND	40% ND 0.0011	20% ND 0.03	0% ND ND	0% ND ND	100% 0.58 5.93	40% ND 0.01000	0% ND ND	40% ND 0.00500	ND ND	100% 0.34 1.10
Mean 90th Percentile	0.032	0.0001	0.0010	0.01132	0.0005	0.0005	0.01	0.00010	5.26 9.78	0.0010	0.0002	0.0011	0.03	0.00100	0.005	2.67	0.01000	0.00001	0.00500		0.63
S2-040 Number of samples Number of Detects	4	2	4	4 2	2	2	4	4	4	4	4	4	4	4	2	4	4	2	4	4	4
Percentage of Detects Minimum Maximum Detected	100% 0.010 0.027	0% ND ND	0% ND ND	50% ND 0.01000	0% ND ND	0% ND ND	0% ND ND	0% ND ND	100% 0.40 0.94	0% ND ND	0% ND ND	25% ND 0.0010	100% 0.04 0.06	0% ND ND	0% ND ND	100% 0.20 0.53	50% ND 0.01000	0% ND ND	0% ND ND	0% ND ND	100% 0.14 0.28
Mean 90th Percentile	0.027 0.017 0.025	ND - 0.0001	ND - 0.0010	0.01000	0.0005	0.0005	ND - 0.01	0.00010	0.94 0.71 0.90	ND - 0.0010	ND - 0.0002	0.0010	0.06 0.05 0.06	0.00100	0.005	0.53 0.40 0.52	0.01000	ND - 0.00001	ND - 0.00500	ND - 0.0050	0.28 0.22 0.27
52-050 Number of samples Number of Detects	5	2	5	5 2	2	2	5	5	5	5	5	5	5	5	2	5	5	2 0	5	5	5
Percentage of Detects Minimum	100%	0% ND	0% ND	40% ND	0% ND	0% ND	0% ND	0% ND	80% ND	0% ND	0% ND	0% ND	0% ND	0% ND	0% ND	100%	40% ND	0% ND	0% ND	0% ND	100%
Maximum Detected Mean 90th Percentile	0.033 0.020 0.029	ND - 0.0001	ND - 0.0010	0.01000	ND - 0.0006	ND - 0.0005	ND - 0.01	ND - 0.00010	0.70 0.40 0.61	ND - 0.0010	ND - 0.0002	ND - 0.0010	ND - 0.03	ND - 0.00100	ND - 0.005	0.30 0.20 0.27	0.01000	ND - 0.00001	ND - 0.00500	ND - 0.0050	0.20 0.13 0.19
S2-060 Number of samples Number of Detects	6	3	6	6	3	3	6	6	6	6	6	6 2	6	6	2	6	6 2	2 0	6 2	6	6
Percentage of Detects Minimum	100%	0% ND	0% ND	50% ND	0% ND	0% ND	0% ND	0% ND	83% ND	0% ND	0% ND	33% ND	0% ND	0% ND	0% ND	100%	33% ND	0% ND	33% ND	0% ND	100%
Maximum Detected Mean 90th Percentile	0.029 0.019 0.028	ND - 0.0003	ND - 0.0030	0.01000	ND - 0.0041	ND 0.0005	ND - 0.01	ND - 0.00010	1.10 0.54 0.86	ND - 0.0010	ND 0.0003	0.0010	ND - 0.03	ND - 0.00100	ND - 0.005	0.46 0.26 0.37	0.01000 - 0.01000	ND - 0.00001	0.00500 - 0.00500	ND - 0.0050	0.40 0.26 0.34
S2-120 Number of samples	1 1	1 0	1 0	1 1	1 0	1 0	1	1	1	1	1	1	1	1 0		1	1 0		1 0	1 0	1 1
Number of Detects Percentage of Detects	100%	0 0% ND	0 0% ND	1 100% 0.01400	0% ND	0% ND	0 0% ND	0 0% ND	1 100% 0.72	0 0% ND	0 0% ND	0 0% ND	0 0% ND	0% ND		1 100% 0.27	0% ND		0% ND	0% ND	100% 0.17
Minimum	0.008																				
	0.008 0.008 0.008 0.008	ND - 0.0004	ND 0.0050	0.01400 0.01400 0.01400	ND - 0.0050	ND - 0.0003	ND - 0.01	ND - 0.00010	0.72 0.72 0.72	ND - 0.0010	ND - 0.0003	ND - 0.0008	ND - 0.02	ND - 0.00020		0.27 0.27 0.27	ND - 0.00070		ND - 0.00030	ND - 0.0010	0.17 0.17 0.17



TABLE 3.4 BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT STREAM WATER QUALITY DATA SUMMARY STATISTICS. MINE SITE TO STEENBBY PORT DISSOLVED METALS

MDL (2006)	0.005	Dissolved .	Dissolved 0.0001 0.0001	Sodium Dissolved 0.05 0.05	Dissolved 0.001 0.001	Thallium Dissolved 0.0002	Tin Dissolved 0.001 0.01	Titanium Dissolved 0.003	Uranium Dissolved	Vanadium Dissolved 0.0009 0.001	Zinc Dissolved 0.001 0.01
KDL (2007) KDL (2008)	0.001	0.05	0.00001 0.00001	2 0.05	0.0001	0.0001	0.0001	0.01	0.00001	0.001	0.001
IDL (2011) cockburn Area lumber of samples	0.001	0.05	0.000001	0.0012	0.0001	0.0001	0.0001	0.01	0.00001	0.001	0.003
number of samples number of Detects Percentage of Detects	0 0%	16 16 100%	0 0%	29 26 90%	29	0	0 0%	19 0 0%	16 16 100%	0 0%	29 29 100%
Minimum Maximum Detected	ND ND	0.26 1.20	ND ND	ND 2.0000	0.0020	ND ND	ND ND	ND ND	0.00006 0.00012	ND ND	0.001
Mean 10th Percentile	0.002	0.59	0.000100	0.8699	0.0031	0.0002	0.0100	0.01	0.00008	0.001	0.005
Ravn River - Upstream of Angajurjualuk Lake Number of samples	12	6	12	12	12	8	12	7	6	12	12
Number of Detects Percentage of Detects	0	6 100%	0	11 92%	12	0	0	0	6 100%	0	12 100%
Minimum Maximum Detected	ND ND	1.19	ND ND	ND 2.0000	0.0023	ND ND	ND ND	ND ND	0.00007	ND ND	0.001
Mean 90th Percentile	0.001	0.65 1.10	0.000100	0.7312 1.2140	0.0047	0.0001	0.0100	0.01	0.00013	0.001	0.005
Number of samples	7	4	7	7	7	6	7	5	4	7	7
Percentage of Detects Minimum	0% ND	100%	0% ND	86% ND	100%	0% ND	0% ND	0% ND	100%	0% ND	100%
Maximum Detected	ND .	0.46	ND .	2.0000	0.0045	ND .	ND .	ND .	0.00021	ND .	0.010
90th Percentile Steensby Port Area	0.003	0.45	0.000100	1.8260	0.0042	0.0002	0.0100	0.01	0.00018	0.001	0.010
Number of samples	12	12	12	12	12	12	12	12	12	12	12
Percentage of Detects Minimum	0% ND	100%	0% ND	100%	100%	0% ND	0% ND	0% ND	100%	0% ND	100%
Maximum Detected Mean	ND .	1.47 0.54	ND	112.0000 15.3875	0.1470	ND .	ND .	ND .	0.00069 0.00012	ND .	0.006
90th Percentile Mid-Rail Camp Area	0.001	1.13	0.000010	17.7700	0.0407	0.0001	0.0001	0.01	0.00023	0.001	0.003
Number of samples Number of Detects	9	9	9	9	9	9	9	9	9	9	9
Percentage of Detects Minimum	0% ND	100% 0.16	0% ND	100% 0.4120	100% 0.0022	0% ND	0% ND	0% ND	100% 0.00001	0% ND	100% 0.001
Maximum Detected Mean	ND .	1.52 0.56	ND	1.1100 0.7223	0.0203	ND	ND	ND .	0.00008	ND .	0.003
90th Percentile Camp Lake to Steensby Port - Sites Sampled	0.001	1.14	0.000010	0.9436	0.0161	0.0001	0.0001	0.01	0.00006	0.001	0.003
S1-010 Number of samples	4		4	4	4	3	4	3		4	4
Number of Detects Percentage of Detects	0		0	100%	100%	0	0	0		0	100%
Minimum Maximum Detected	ND ND		ND ND	0.3100	0.0020	ND ND	ND ND	ND ND		ND ND	0.002
Mean 90th Percentile	0.005		0.000100	0.6875 1.3020	0.0032	0.0002	0.0073	0.00		0.001	0.006
S1-011 Number of samples	1		1	1	1	1	1	1		1	1
Number of Detects Percentage of Detects	0%		0 0%	1 100%	1 100%	0 0%	0 0%	0 0%		0 0%	100%
Minimum Maximum Detected	ND ND		ND ND	0.4500	0.0032	ND ND	ND ND	ND ND		ND ND	0.001
Mean 90th Percentile	0.005		0.000100	0.4500	0.0032	0.0002	0.0010	0.003		0.001	0.001
51-020 Number of samples	1		1	1	1	1	1	1		1	1
Number of Detects Percentage of Detects	0 0%		0 0%	1 100%	1 100%	0 0%	0 0%	0 0%		0 0%	1 100%
Minimum Maximum Detected	ND ND		ND ND	0.3900	0.0034	ND ND	ND ND	ND ND		ND ND	0.005
Mean 90th Percentile	0.005		0.000100	0.3900	0.0034	0.0002	0.0010	0.003		0.001	0.005
S1-930 Number of samples Number of Detects	4 0		4 0	4	4	3	4 0	3		4 0	4
Number of Detects Percentage of Detects Minimum	0 0% ND		0 0% ND	4 100% 0.4800	4 100% 0.0040	0 0% ND	0 0% ND	0 0% ND		0 0% ND	100%
Minimum Maximum Detected Mean	ND ND		ND ND	0.4800 0.7200 0.6050	0.0040 0.0060 0.0048	ND ND	ND ND	ND ND		ND ND	0.001
90th Percentile 51-040	0.005		0.000100	0.6900	0.0057	0.0002	0.0073	0.003		0.001	0.008
Number of samples Number of Detects	4 0		4	4	4	1 0	4	1 0		4	4
Percentage of Detects Minimum	0% ND		0% ND	100%	100%	0% ND	0% ND	0% ND		0% ND	100%
Maximum Detected Mean	ND .		ND .	0.7000	0.0070	ND .	ND .	ND .		ND .	0.010
ii0th Percentile 51-050	0.004		0.000100	0.6700	0.0067	0.0002	0.0100	0.003		0.001	0.010
Number of samples Number of Detects	3		3	3	3	3	3	3		3	3
Percentage of Detects Minimum	0% ND		0% ND	100%	100%	0% ND	0% ND	0% ND		0% ND	100%
Maximum Detected Mean	ND		ND .	0.5700	0.0036	ND .	ND .	ND .		ND .	0.007
90th Percentile S1-960	0.005		0.000100	0.5460	0.0036	0.0002	0.0010	0.003		0.001	0.006
	4		4	4	4	3	4	3		4	
Number of Samples Number of Detects	0		0	4	4	0	0	0		0	4
Number of Detects Percentage of Detects Minimum	0 0% ND		0 0% ND	100%	4 100% 0.0047	0 0% ND	0 0% ND	0 0% ND		0 0% ND	4 100% 0.001
Number of Detects Percentage of Detects Minimum Maximum Detected Mean	0 0% ND ND		0 0% ND ND	100% 0.5600 1.0100 0.7425	4 100% 0.0047 0.0064 0.0055	0 0% ND ND	0 0% ND ND	0 0% ND ND		0 0% ND ND	4 100% 0.001 0.010 0.005
Number of Detects Percentage of Detects Minimum Maximum Detected Mean D0th Percentile S1-470	0 0% ND ND		0 0% ND ND - 0.000100	100% 0.5600 1.0100 0.7425 0.9410	4 100% 0.0047 0.0064 0.0065 0.0063	0 0% ND ND - 0.0002	0 0% ND ND - 0.0073	0 0% ND ND - 0.003		0 0% ND ND -	4 100% 0.001 0.010 0.005 0.010
Number of Detects Percentage of Detects Manimum Massimum Detected	0 0% ND ND		0 0% ND ND - 0.000100	100% 0.5600 1.0100 0.7425 0.9410 4	4 100% 0.0047 0.0064 0.0065 0.0063	0 0% ND ND - 0.0002	0 0% ND ND - 0.0073	0 0% ND ND - 0.003		0 0% ND ND	4 100% 0.001 0.010 0.005 0.010
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Number of Description Assumed	0 0% ND 0.005		0 0% ND ND 0 000100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100% 0.5800 0.7425 0.9410 4 4 4 100% 0.5000 0.4875 0.4970 4 4 4 4 100% 0.4900 0.4875	4 100/47 0.0047 0.0066 0.0065 0.0063 4 4 100% 0.0028 0.0031 0.0021 0.0031	0 0% ND 0.0002 1 0 0.0002 1 0 0.0002 1 0 0.0002	0 0% ND ND	0 0% ND ND 0.0033		0 0 0% ND ND 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 100% 0.001 0.005 0.010 0.005 0.010 4 4 100% 0.001 0.001 0.001 0.001 0.001 4 4 4 100% 0.001
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Number of Debects Microsomy of	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 100% 0.26 0.28 0.28 0.28 0.28 0.28 0.28 0.28 0.28	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100% 100% 100% 100% 10100 1010	4 100% 0.0041 0.	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 100% 0.00002 0.00003 0.00003 0.00003 0.00003 2 2 2 2 100% 0.00004 0.00004 0.00004 2 2 2 100% 0.00004	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 4 4 100% 100% 100% 100% 100% 100% 100%
Number of Polietics Preventings of Deletics Michaelman Deletics Mi	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 100% 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10,0% 10,0%	4 100% 0.0041 100% 0.0051 0.00	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 100% 2 100% 2 2 2 2 100% 2 100% 2 2 2 2 100% 2 100% 2 2 2 2 100% 2 100% 2 100% 2 100% 2 2 2 2 2 100% 2 10	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 1 100% 100% 100% 100% 100% 100% 100% 1
wanter of betters formation of the control of the	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 100% 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100% 100% 100% 100% 100% 100% 100% 100%	4 100% 0.0041 0.0051 0.	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 100% 2 2 100% 2 2 2 2 100% 2 2 2 2 100% 2 2 2 2 100% 2 2 2 2 100% 2 2 2 2 100% 2 2 2 2 100% 2 2 2 2 100% 2 2 2 100% 2 2 2 100% 2 2 2 100% 2 2 2 100% 2 2 2 100% 2 2 2 100% 2 2 2 100% 2 2 2 100% 2 2 2 100% 2 2 2 100% 2 2 2 100% 2 2 2 100% 2 2 2 100% 2 2 2 2 100% 2 2 2 2 100% 2 2 2 2 2 100% 2 2 2 2 2 100% 2 2 2 2 2 2 100% 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 1 100%
Number of Description Street	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 100% 0.26 0.26 0.26 0.26 0.26 0.26 0.26 0.26	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10,0% 10,0% 10,0% 10,00	4 1 100% 0.0053 0.0055	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 100% 0.0003 0.00003 0.00003 0.00003 0.00003 0.00003 0.00003 0.00003 0.00003 0.000003 0.00003 0.00003 0.00003 0.00000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 1 100% 100% 100% 100% 100% 100% 100% 1
Number of Polices Moreuman Po	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 100% 0.26 0.26 0.26 0.26 0.26 0.26 0.26 0.26	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10,0% 10,0%	4 1 100% 0.0051 0.0052 0.0055	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 100% 0.0003 0.00003 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 1 100% 100% 100% 100% 100% 100% 100% 1
wanter of theirs Forestrape of Cartesian All States	0 0 0 0 0 0 0 0 0 0	2 100% 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10,0% 10,0%	4 100% 0.0047 0.0056 0.	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 100% 0.00029 0.00020	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 100% 100
Number of Dates: Processing of Dates: More Processing More Pr	0 0 0 0 0 0 0 0 0 0	2 100% 0.26 100% 0.27 2 2 2 100% 0.79 0.79 0.79 0.79 100% 0.31 0.01 0.01 0.01 0.01 0.01 0.01 0.01	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100% 100% 100% 100% 100% 100% 100% 100%	4 1 100% 0.0041 0.0041 0.0053 4 4 4 4 1 100% 0.0053 0.0053 0.0053 0.0053 0.0053 0.0053 0.0053 0.0054 0.0055 0.0055 0.0056 0.0057 0.	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 100% 0.0003 0.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 4 1 100% 1 100
Number of Debects Monitorian Moni	0	2 100% 0.26 0.27 0.27 0.27 0.27 0.27 0.27 0.27 0.27	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100% 100% 100% 100% 10100 1010	4 1 0.004 0.005 0.	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 100% 0.0003 0.0000 0.0003 0.0000 0.00003 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
Number of Debects According to the Control of Section 1	0 0 0 0 0 0 0 0 0 0	2 100% 0.26 0.27 0.27 0.27 0.27 0.27 0.27 0.27 0.27	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100% 100% 100% 100% 100% 100% 100% 100%	4 1 0.004 0.005 0.	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 100% 0.0003 0.0006 0.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1906 1907 1908
wanter of traverse Asserting to the control of the	0 0 0 0 0 0 0 0 0 0	2 100% 0.51 100% 0.79 0.79 0.79 0.79 0.79 0.79 0.79 0.79	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100% 101% 101% 101% 101% 101% 101% 101%	4 1 100% 0.0041 0.0051 0.0053 0.0053 0.0053 0.0053 0.0053 0.0053 0.0053 0.0053 0.0053 0.0053 0.0054 0.0054 0.0055 0	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 1 100% 0.00023 0.00003 0.00003 0.00003 0.00003 0.00003 2 2 1 100% 0.00004 0.00004 0.00004 0.00004 0.00004 0.00004 0.00004 0.00004 0.00004 0.00004 0.00004 0.00006 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1906 1907 1908
wanter of briess formation of the state of	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 100% 0.51 100% 0.79 0.79 0.79 0.79 0.79 0.51 0.65 100% 0.65 100% 0.65 100% 0.65 100% 0.65 100% 0.65 100% 0.79 0.79 0.79 0.79 0.79 0.79 0.79 0.79	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100% 100% 100% 100% 100% 100% 100% 100%	100% 0.0040 0.0050 0.00	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 1 100% 0.00023 0.00003 0.00003 0.00003 0.00003 0.00003 2 2 2 1 0.00003 0.00004 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 4 1000 1000 1000 1000 1000 1000 1000
wanter of trainings Anne of the Control of the Con	0	2 100% 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100% 100% 100% 100% 100% 100% 100% 100%	100% 0.0061 0.0063 0.0063 0.0063 4 4 4 10006 0.0063 0.0064 0.0063 0.0063 0.0063 0.0063 0.0063 0.0063 0.0063 0.0063 0.0064	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 1 100% 0.00003 0.00003 0.00003 0.00003 0.00003 0.00003 0.00003 0.00003 0.00003 0.00004 0.00004 0.00004 0.00004 0.00004 0.00004 0.00004 0.00004 0.00005 0.000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 4 1 100 100 100 100 100 100 100 100 10
wanter of traverse formation of the control of the	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 100% 0.20 0.25 0.25 0.25 0.25 0.25 0.25 0.25	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100% 101% 101% 101% 101% 101% 101% 101%	4 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 1 100% 0 00003 0 00003 0 00003 0 00003 0 00003 0 00003 2 2 1 100% 0 00004 0 000004 0 000004 0 000004 0 000004 0 000004 0 000004 0 000004 0 000004 0 000004 0 000004 0 000004 0 000004 0 000004 0 000004 0 000002 0 000002 2 2 2 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
wanter of travelors Account of the control of the	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 100% 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100% 101% 101% 101% 101% 101% 101% 101%	4 1 0.004 0.005 0.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 1 100% 2 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4
wanter of travelors According to the control of th	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 100% 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100% 101% 101% 101% 101% 101% 101% 101%	4 1 0.004 0.005 0.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 1 100% 100%	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4
wanter of theirs formation of their services of	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 100% 0.26 0.27 0.27 0.27 0.27 0.27 0.27 0.27 0.27	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100% 101% 101% 101% 101% 101% 101% 101%	10004 0.0007	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 100% 0.0003 0.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1909 1909
American Control of Control American Control A	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 100% 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100% 101% 101% 101% 101% 101% 101% 101%	4 1 0.004 0.005 0.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 1 100% 100%	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4

90th Percentile

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Program Summary Report Tables/Ta

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TABLE 3.5 BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

Part						STREAM WATER Q	UALIT DATA SUM	MARY STATISTICS	- MINE SITE TO MI				•			Print Dec/22/11 15:54:59
Section	Site ID		SpC	DO	pH					NH3+NH4		NO3-				
March Marc	Receiving Water Quality Objectives		(mS/cm)		6.5 - 9.0			120	-	0.021-2313	0.06	13	-	0.004		
Part	MDL (2006)					5	0.05	1	5	0.02	0.005	0.1	0.1	0.001	1	
The column	MDL (2007) MDL (2008)					5	0.05	1	5	0.02	0.005	0.1	0.1	0.001	1	0.1
Column	MDL (2011) Milne Port Area					5	0.25	1	5	0.02	0.1	0.1	0.1	0.001	1	0.1
Column			5													
Column																
Mathematical										0.50						
No.	90th Percentile													0.001		
Section	Number of samples															
Mathematical	Percentage of Detects	100%	100%	100%	100%	100%	0%	83%	100%	83%	17%	0%	0%	17%	83%	
Mary	Maximum	11.41	0.22	13.69	8.52	119.00		2.00	205.00	0.70					3.00	
Mathematical	90th Percentile						0.30				0.06	0.10	0.10	0.002		
Section	Number of samples															
Mart	Percentage of Detects	100%	100%	100%	100%	100%	0%	100%	100%	100%	13%	25%	13%	0%	100%	0%
Martin	Maximum	12.41	188.00	13.94	8.31	94.00		4.00	188.00	0.40					6.00	
STATION NO. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	Mean 90th Percentile						0.30				0.07	0.14	0.14	0.001		0.10
March Marc	N1-025 Number of samples	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
Series																
Mathematical Math																
The control of the co	Mean	4.80	0.14	12.59	8.17	75.00		1.00	145.33	0.07					2.33	-
Semigrange of the semigrange o	N1-030															
Mathematical	Number of Detects	6	6	6	6	6	0	5	6	6	1	0	0	1	3	
March Marc	Minimum	0.37	0.08	11.14	7.25	39.00	ND	ND	83.00	0.03	ND	ND	ND	ND	ND	
The content	Mean	4.41	0.13	12.48	7.89	67.67		0.83	131.83	0.32						-
Marchander 1	N1-040		0.15	13.24				1.05			0.06			0.001		
March	Number of samples															
March Marc	Percentage of Detects Minimum	100%	100%	100%	100%	100%	0%	50%	100%	83%	17%	0%	0%	0%	100%	
Mathematical Math	Maximum	10.62	0.19	13.11	8.26	102.00			205.00	0.60					6.00	
Marting	90th Percentile N1-050						0.30	1.00			0.06	0.10	0.10	0.001		
Martin																
Mart	Percentage of Detects	100%	100%	100%	100%	100%	0%	86%	100%	86%	14%	0%	0%	0%	100%	
Martin	Maximum	9.36	0.31	13.80	8.55	163.00		3.00	315.00	0.60					6.00	
	90th Percentile						0.30				0.06	0.10	0.10	0.001		
Martin	N1-053 Number of samples	4	4		4	4	4	4	4				4	4		
March Marc	Number of Detects	4		4	4		0	0	4	2	1	0	0	0	4	-
Mathematical Math	Minimum	-0.08	0.15	10.81	8.15	80.00	ND	ND	161.00	ND	ND	ND	ND	ND	2.00	
THE	Mean	6.40	0.16	11.95	8.22	85.75			170.00			-			3.50	-
Marchander A. B. B. B. B. B. B. B.	N1-058									,						
Martin	Number of Detects	4	4	3	4	4	0	0	4	3	1	0	0	0	4	0
Mathematical Math	Percentage of Detects Minimum															
THE	Maximum Mean						ND -	ND .			0.10	ND -	ND .	ND -		ND -
Mary Control	90th Percentile N1-060	11.35	173.90	12.71	8.33	91.30	0.25	1.00	177.00	0.05	0.07	0.10	0.10	0.001	6.70	0.10
Martin	Number of samples Number of Detects															
Martine 100																
Column	Maximum	13.05	326.00	14.17	8.36	170.00	ND	3.00	333.00	0.80					12.00	
Martine Part	90th Percentile			-							0.07	0.12	0.12	0.001		0.15
Name of the control o	Number of samples															
March Marc	Percentage of Detects	100%	100%	100%	100%	100%	0%	67%	100%	67%	17%	17%	17%	0%	83%	
Temper	Maximum	13.74	0.15	23.05	8.16	87.00		2.00	171.00	0.20					3.00	
See	90th Percentile						0.30				0.06	0.10	0.10	0.001		
None	Number of samples															
Market 148 189 189 189 189 189 189 189 189 189 18	Percentage of Detects	100%	100%	80%	100%	100%	0%	83%	100%	83%	17%	0%	0%	0%	83%	
Martin M	Maximum	14.96	0.32	13.65	8.50	167.00		5.00	321.00	0.60					4.00	
Marchanger 1	Mean 90th Percentile						0.30				0.06	0.10	0.10	0.001		
Secretary 1 1	N1-090 Number of samples						_									
Service of the control of the contro	Number of Detects	100%		100%	100%	100%	0%	80%	100%	100%	0%	0%	0%	20%	60%	
March Marc	Minimum	1.45	0.09	10.16	7.53	50.00	ND	ND	105.00	0.03	ND	ND	ND	ND	ND	
Note of the first service of the ser	Mean	6.46	0.25	11.57	7.95	137.80	-	0.92	260.60	0.13					0.80	
See of Market \$ \$ \$ \$ \$ \$ \$ \$ \$	N1-100															
Monteman	Number of Detects	6	6	6	6	6	0	5	6	5	2	0	0	0	6	
Mart	Minimum	0.74	0.02	10.59	7.02	8.00	ND	ND	27.00	ND	ND	ND	ND	ND	0.60	
Note of March Service	Mean	4.77	0.07	12.21	7.45	33.83		1.17	71.83	0.19					1.50	
Section of the control of the contro	N1-110															
Second 188	Number of Detects	6	6	6	6	6	0	5	6	3	2	1	1	1	5	
March Sea Column Sea Column Sea Se	Minimum	1.99	0.02	10.25	7.02	5.00	ND	ND	26.00	ND	ND	ND	ND	ND	ND	
Section of Common	Mean	5.63	0.07	11.60	7.60	37.17		1.43	79.50						1.70	
Nether of Demis 2	90th Percentile N2-010									ı						
Moneman Sale	Number of Detects	2	2	2	2	2	0	0	2	1	1	0	0	0	1	
Manusement																
Marcheniste 4,30 0,07 1,28 3,70 3,68 0,06 1,00 6,70 0,01 0,01 0,00 0,00 1,00	Maximum	6.60	0.07	13.00	7.82	37.00			68.00							_
Nember of designeys 3							0.05	1.00		0.03	0.01	0.10	0.10	0.001	1.90	
Precenting of Delects 150%	Number of samples										3					
Marie Mari		100%	100%	100%	100%	100%	0%	67%	100%	100%		0%	0%	0%	67%	
1000 Pecentelle 1055 0.17 13.19 8.16 91.00 0.05 1.00 17.60 0.08 0.02 0.10 0.10 0.001 2.80	Minimum Maximum	13.00	0.17	13.19	8.16	92.00		1.00	178.00	0.09					3.00	
Number of Detects 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Mean 90th Percentile						0.05				0.02	0.10	0.10	0.001		
Percentage of Dates 100% 100% 100% 100% 100% 100% 100% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0%	N2-020 Number of samples															
Melatemum 1.34 0.13 11.08 8.11 70.00 NO NO 10.00 NO NO NO NO NO NO NO	Number of Detects Percentage of Detects	3	3	3	3	3		2	3	3	1	0	0		2	
Mean 6.31 0.15 12.16 8.19 88.67 - 1.33 170.00 0.07 - - - - - - 2.00	Minimum Maximum	1.34	0.13	11.08	8.11	70.00	ND	ND	131.00	0.06	ND	ND	ND	ND	ND	
Number of samples	Mean 90th Percentile	6.31	0.15	12.16	8.19	88.67		1.33	170.00	0.07		-	-		2.00	
Number of Dissos 3 3 3 3 3 3 0 0 2 3 3 2 1 0 0 0 0 0 0 2 0 0 0 0 2 0 0 0 0 0 0	N2-030	•								,						
Melesemen 0.00 0.11 11.82 8.05 62.00 MD ND 124.00 ND ND ND ND ND ND ND	Number of Detects	3	3	3	3	3	0	2	3	2	1	0	0	0	2	
Means 4.33 0.14 13.04 8.13 78.67 - 1.00 146.00 0.05 - - - - 2.00	Minimum	-0.09	0.11	11.62	8.05	62.00	ND	ND	124.00	ND	ND	ND	ND	ND	ND	
2006 Percentile 3.77 0.17 13.87 8.22 91.80 0.05 1.00 172.60 0.07 0.02 0.10 0.10 0.001 2.80	Maximum Mean	4.33	0.14	13.04	8.13	76.67		1.00	146.00	0.05					2.00	
Number of samples 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	90th Percentile N2-060	9.77	0.17	13.87	8.22	91.80	0.05	1.00	172.60	0.07	0.02	0.10	0.10	0.001	2.80	
Percentage of Detects 100% 100% 100% 100% 100% 0% 32% 100% 32% 67% 0% 0% 0% 100% 0% 100% 0% 100% 0% 100% 0% 100% 0% 100% 0% 100% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0%	Number of samples Number of Detects															-
Meanman 8.83 0.10 13.80 7.88 50.00 NO 2.00 100.00 0.03 0.02 NO NO NO 1.00 1.00 No NO 2.00 No NO NO 2.00 No NO 2.00 No NO 2.00 No NO NO 2.00 No NO NO 2.00 No NO 2.00 No NO NO 2.00 No NO NO 2.00 No NO NO NO 2.00 No NO NO NO 2.00 No NO NO NO NO 2.00 No NO NO NO 2.00 No	Percentage of Detects Minimum	100%	100%	100%	100%	100%	0%	33%	100%	33%	67%	0%	0%	0%	100%	
06h Percentile 7.53 0.09 13.53 7.84 46.20 0.05 1.80 91.80 0.03 0.02 0.10 0.10 0.001 2.80	Maximum	8.83	0.10	13.60	7.88	50.00			100.00		0.02				3.00	
	90th Percentile	7.53	0.09	13.53			0.05	1.80		0.03		0.10	0.10	0.001		



TABLE 3.5 BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

					ŧ	STREAM WATER Q	UALITY DATA SUM	MARY STATISTICS	D SEDIMENT QUAL - MINE SITE TO MI	LNE PORT GENERA	AL PARAMETERS A	ND TOTAL METAL:	S					
Site ID	Temp	In Situ F	Parameters	1	тос	DOC	TSS	TDS	Hardness	Phosphorus	Laborato	ry Results	Antimony	Arsenic	Barium	Beryllium	Bismuth	Print Dec/22/11 15:54:50 Boron
Receiving Water Quality Objectives	(°C)	(mS/cm)	mg/L 9.5	pH 6.5 - 9.0	mg/L	mg/L	mg/L	mg/L	mg/L CaCO3	Total	NTU .	Total 0.005 or 0.1	Total	Total 0.005	Total	Total	Total	Total
MDL (2005)			3.3	0.5-5.5				30	0.5	0.02	0.1	0.004	0.0004	0.005	0.001	0.005	0.0003	0.05
MDL (2006) MDL (2007)					0.5	0.5	2	5	1	0.003	0.1	0.001	0.0001	0.0001	0.00005	0.0005	0.0005	0.01
MDL (2008) MDL (2011)					0.5	0.5	2	5 1	0.5	0.003	0.1	0.003	0.0001	0.0001	0.00005	0.0005	0.0005	0.01
Milne Port Area Number of samples	5	5	4	5	5	5	5	5	5	2	5	5	5	5	5	3	5	5
Number of Detects Percentage of Detects	5	5	100%	5	5	5	3 60%	5	5	100%	5	5	1 20%	1 20%	5	0	1 20%	80%
Minimum Maximum	2.74 13.26	1.29	11.84 17.37	7.70 8.79	2.30 7.30	2.30 6.50	ND 51.00	897.00 1440.00	62.90 754.00	0.006	0.30 15.70	0.014	ND 0.0005	ND 0.0040	0.00504	ND ND	ND 0.0025	ND 0.30
Mean 90th Percentile	9.02 13.20	1.77 2.15	13.80 16.07	8.04 8.47	4.74 6.70	4.22 5.78	12.60 32.20	1161.80 1404.00	410.78 646.00	0.010 0.012	4.22 10.38	0.181 0.471	0.0005	0.0036	0.01177	0.0025	0.0025	0.12 0.23
N1-010 Number of samples	6	6	6	6				6	6	6	6	6	3	6	6	3	3	6
Number of Detects Percentage of Detects	6	6	6	6				6	6	1 17%	6	3 50%	0	0	3 50%	0	0	0
Minimum Maximum	0.18	0.14	10.58	6.35				97.00	76.00 116.00	ND 0.100	0.21	ND 0.039	ND ND	ND ND	ND 0.01000	ND ND	ND ND	ND ND
Mean	4.22	0.18	12.38	7.71	-			112.67	98.48		0.38							-
90th Percentile N1-020	9.42	0.21	13.60	8.35				126.50	110.50	0.060		0.027	0.0004	0.0050	0.01000	0.0050	0.0003	0.03
Number of Detects	8	8	7	8	2	2	0	8	8	8	8	7	5	8	5	5	5	1
Percentage of Detects Minimum	100% 0.16	100% 0.10	100%	100% 7.16	100%	1.00%	0% ND	100% 57.00	100% 53.10	13% ND	100% 0.14	88% ND	0% ND	0% ND	63% ND	0% ND	0% ND	13% ND
Maximum Mean	12.41 6.30	188.00 42.86	13.94 11.96	8.31 7.84	1.40	1.30	ND .	122.00 94.75	94.40 79.41	0.100	5.30 1.39	5.300 0.687	ND .	ND -	2:49000 0:31652	ND -	ND -	11.00
90th Percentile N1-025	11.69	164.20	13.51	8.23	1.37	1.27	2.00	121.30	93.42	0.044	3.76	1.646	0.0004	0.0050	0.75400	0.0050	0.0004	3.34
Number of samples Number of Detects	3	3	3	3				3	3	3	3	3		3	3			3
Percentage of Detects Minimum	100%	100%	100%	100%				100%	100%	33% ND	100%	100%		0% ND	0% ND		-	0% ND
Maximum Mean	10.41	0.16	13.03	8.21 8.17				108.00	85.00 74.33	0.030	7.10	0.101		ND	ND			ND
90th Percentile	9.06	0.14	13.03	8.17	·		·	105.20	74.33 82.60	0.026	5.82	0.040		0.0010	0.01000			0.01
N1-030 Number of samples	6	6	6	6				6	6	6	6	6	3	6	6	3	3	6
Number of Detects Percentage of Detects	6 100%	6	6	6 100%				6 100%	6	3 50%	6 100%	5 83%	0	0	3 50%	0	0	0
Minimum Maximum	0.37 9.45	0.08	11.14 13.31	7.25 8.21				60.00 104.00	39.80 85.00	ND 0.100	0.14 12.10	ND 0.113	ND ND	ND ND	ND 0.01000	ND ND	ND ND	ND ND
Mean 90th Percentile	4.41 9.07	0.13 0.15	12.48 13.24	7.89 8.17				82.17 103.50	68.97 83.50	0.060	2.45 6.55	0.029	0.0004	0.0050	0.01000	0.0050	0.0003	0.03
N1-040 Number of samples	6	6	6	6	·	·		6	6	6	6	6	3	6	6	3	3	6
Number of Detects Percentage of Detects	6	6	6	6				6	6	3 50%	6	2 33%	0	0	3 50%	0	0	0
Minimum	0.06	0.13	10.47	7.30				66.00	75.00	ND	0.13	ND	ND	ND	ND	ND	ND	ND
Maximum Mean	10.62 5.45	0.19	13.11	8.26 7.99				133.00 90.50	101.00 85.23	0.100	2.50 0.64	0.067	ND .	ND	0.01000	ND -	ND -	ND
90th Percentile N1-050	10.33	0.18	13.05	8.22				116.00	96.55	0.080	1.45	0.036	0.0004	0.0050	0.01000	0.0050	0.0003	0.03
Number of samples Number of Detects	7	7	7	7				7	7	7	7	7	4 0	7	7	4 0	0	7
Percentage of Detects Minimum	100%	100%	100%	100% 7.54	-		-	100% 57.00	100% 54.20	0% ND	71% ND	43% ND	0% ND	0% ND	57% ND	0% ND	0% ND	0% ND
Maximum Mean	9.36	0.31	13.80	8.55 8.15				205.00	177.00	ND -	0.90	0.026	ND .	ND .	0.01000	ND .	ND .	ND .
90th Percentile N1-053	8.73	0.31	13.73	8.44				184.00	172.20	0.100	0.86	0.019	0.0004	0.0050	0.01000	0.0050	0.0003	0.03
Number of samples	4	4	4	4				4	4	4	4	4		4	4			4
Number of Detects Percentage of Detects	100%	100%	100%	100%				100%	100%	0 0%	100%	25%		0 0%	0 0%	-		0 0%
Minimum Maximum	-0.08 9.96	0.15	10.81	8.15 8.32				105.00 123.00	85.00 95.00	ND ND	0.20	ND 0.007		ND ND	ND ND			ND ND
Mean 90th Percentile	6.40 9.96	0.16 0.18	11.95 13.33	8.22 8.30				110.50 118.20	88.00 92.30	0.010	0.33	0.006		0.0010	0.01000		-	0.01
N1-058 Number of samples	4	4	3	4	2	2	2	4	4	4	4	4	2	4	4	2	2	4
Number of Detects Percentage of Detects	4	4	3 100%	4	2 100%	2 100%	0	4	4	0	4	3 75%	0	0	2 50%	0	0	1 25%
Minimum Maximum	6.37 11.67	0.14 179.00	11.05 12.99	8.11 8.37	0.90	0.80	ND ND	90.00	71.00 91.20	ND ND	0.20	ND 9.800	ND ND	ND ND	ND 1.52000	ND ND	ND ND	ND 12.00
Mean 90th Percentile	9.56	85.32	11.88	8.21	1.00	0.95		105.25	82.38		0.38	2.456		0.0703	1.06700			
N1-060	11.35	173.90	12.71	8.33	1.08	1.07	2.00	115.10	89.73	0.010	0.61		0.0900			0.4501	0.4501	8.40
Number of samples Number of Detects	8	8	7	8	2	2	0	8	8	8	8	8	5	8	8 4	5	5	1
Percentage of Detects Minimum	100% -0.06	100%	100%	100% 7.36	100%	100%	0% ND	100% 63.00	100% 41.00	0% ND	50% ND	38% ND	0% ND	0% ND	50% ND	0% ND	0% ND	13% ND
Maximum Mean	13.05 6.30	326.00 71.77	14.17 12.46	8.36 8.12	1.70	1.70	ND .	216.00 136.00	192.00 113.68	ND .	0.50	0.006	ND .	ND -	0.01000	ND .	ND .	0.05
90th Percentile N1-070	12.71	270.70	13.76	8.35	1.68	1.61	2.00	190.80	169.60	0.044	0.43	0.006	0.0004	0.0050	0.01000	0.0050	0.0005	0.02
Number of samples Number of Detects	6	6	6	6				6	6	6	6	6 2	3	6	6	3	3	6
Percentage of Detects Minimum	100%	100%	100%	100% 7.58				100% 54.00	100%	0% ND	100%	33% ND	0% ND	0% ND	50% ND	0% ND	0% ND	0% ND
Maximum Mean	13.74	0.15	23.05	8.16 7.93				111.00 82.83	82.00 68.32	ND	0.60	0.008	ND	ND	0.01000	ND	ND	ND
90th Percentile N1-080	11.75	0.15	18.32	8.13				101.00	81.00	0.060	0.55	0.007	0.0004	0.0050	0.01000	0.0050	0.0003	0.03
Number of samples	6	6	5	6				6	6	6	6	6	3	6	6	3	3	6
Number of Detects Percentage of Detects	6	6 100%	80%	6				6	6	1 17%	5 83%	33%	0	0	50%	0	0 0%	0
Minimum Maximum	-0.10 14.96	0.05	ND 13.65	6.99 8.50				46.00 209.00	25.10 178.00	ND 0.100	ND 0.60	ND 0.006	ND ND	ND ND	ND 0.01000	ND ND	ND ND	ND ND
Mean 90th Percentile	5.90 12.88	0.21	12.14 13.58	8.05 8.45				136.33 204.50	116.85 168.50	0.065	0.28	0.006	0.0004	0.0050	0.01000	0.0050	0.0003	0.03
N1-090 Number of samples	5	5	5	5	1		ı	5	5	5	5	5	3	5	5	3	3	5
Number of Detects Percentage of Detects	5	5	5	5				5	5	2 40%	4 80%	2 40%	0	0	3 60%	0	0	0
Minimum Maximum	1.45	0.09	10.16	7.53 8.40				63.00	54.90 209.00	ND 0.100	ND 0.50	ND 0.011	ND ND	ND ND	ND 0.01000	ND ND	ND ND	ND ND
Mean	6.46	0.25	11.57	7.95				153.20	146.98		0.32		-	-	0.00620	-		
90th Percentile N1-100	12.72	0.36	12.53	8.28	I	<u> </u>	I	214.40	203.80	0.080	0.50	0.009	0.0004	0.0050	0.01000	0.0050	0.0003	0.03
Number of samples Number of Detects	6	6	6	6				6	6	6	6	6	3	6	6	0	0	6
Percentage of Detects Minimum	100% 0.74	100%	100%	100% 7.02				67% ND	100% 8.57	17% ND	100% 0.50	100% 0.020	0% ND	17% ND	50% ND	0% ND	0% ND	0% ND
Maximum Mean	9.35 4.77	0.09	13.40 12.21	7.92 7.45				63.00 39.17	46.30 32.81	0.100	1.40	0.066	ND .	0.0050	0.01000	ND -	ND -	ND .
90th Percentile N1-110	8.36	0.09	13.11	7.76				59.50	44.65	0.060	1.25	0.055	0.0004	0.0050	0.01000	0.0050	0.0003	0.03
Number of samples Number of Detects	6	6	6	6				6	6	6 2	6	6	3	6	6 2	3	3	6
Percentage of Detects Minimum	100%	100%	100%	100%				67% ND	100%	33% ND	100%	100%	0% ND	0% ND	33% ND	0% ND	0% ND	0% ND
Maximum Mean	9.54 5.63	0.10	13.55 11.60	7.02 8.07 7.60				77.00 49.00	52.00 39.02	0.100	4.90 2.28	0.153	ND ND	ND ND	0.01000	ND ND	ND ND	ND ND
90th Percentile	5.63 8.33	0.07	11.60	7.60 7.98				49.00 66.00	39.02 49.50	0.060	2.28 4.27	0.067	0.0004	0.0050	0.01000	0.0050	0.0003	0.03
N2-010 Number of samples	2	2	2	2				2	2	2	2	2		2	2			2
Number of Detects Percentage of Detects	2 100%	2 100%	100%	2 100%				2 100%	100%	0	100%	1 50%		0	0			0
Minimum Maximum	3.64 6.60	0.07	11.32 13.00	7.62 7.82				43.00 44.00	30.00 30.00	ND ND	0.40	ND 0.006		ND ND	ND ND			ND ND
Mean 90th Percentile	5.12 6.30	0.07	12.16 12.83	7.72 7.80				43.50 43.90	30.00 30.00	0.010	0.40	0.006		0.0010	0.01000			0.01
N2-013 Number of samples	3	3	3	3	I	·	I	3	3	3	3	3	·		3	·		3
Number of Detects	3	3	3	3				3	3	1	3	3		0	0			0
Percentage of Detects Minimum	1.13	0.13	100%	100% 8.07				100% 85.00	100% 69.00	33% ND	0.60	0.010		0% ND	0% ND			0% ND
Maximum Mean	13.00	0.17	13.19	8.16 8.13				116.00	91.00	0.020	10.50 4.03	0.112		ND -	ND -			ND .
90th Percentile N2-020	10.95	0.17	13.19	8.16				115.60	90.00	0.018	8.60	0.096		0.0010	0.01000			0.01
Number of samples Number of Detects	3	3	3	3				3	3	3 2	3	3		3	3			3
Percentage of Detects Minimum	100%	100%	100% 11.08	100% 8.11				100% 85.00	100% 69.00	67% ND	100%	100%		0% ND	0% ND			0% ND
Maximum Mean	13.86	0.18	12.95	8.32 8.19				128.00	103.00	0.030	17.60	0.170		ND .	ND .			ND .
90th Percentile N2-030	11.83	0.15	12.16	8.19				126.00	101.00	0.026	14.28	0.144		0.0010	0.01000			0.01
Number of samples	3	3	3	3				3	3	3	3	3		3	3			3
Number of Detects Percentage of Detects	3 100%	3 100%	100%	3 100%				3 100%	3 100%	1 33%	3 100%	3 100%		0	0			0
Minimum Maximum	-0.09 11.92	0.11	11.62 13.95	8.05 8.26				81.00 119.00	66.00 90.00	ND 0.030	0.60 2.00	0.012 0.043		ND ND	ND ND			ND ND
Mean 90th Percentile	4.33 9.77	0.14	13.04 13.87	8.13 8.22				95.00 112.20	75.00 85.80	0.026	1.27	0.032 0.043		0.0010	0.01000			0.01
N2-060 Number of samples	3	3	3	3	·	·	·	3	3	3	3	3	0	3	3	0	0	3
Number of betects Percentage of Detects	3 100%	3	3 100%	3 100%				3 100%	3 100%	1 33%	3	3 100%	-	0	0	-	_	0
Minimum	0.73	0.04	12.85	7.49				28.00	25.00	ND	0.90	0.029		0% ND	0% ND			ND ND
Maximum	8.83	0.10	13.60	7.88 7.68				65.00 43.67	47.00 34.67	0.020	6.00 4.17	0.161 0.117		ND -	ND .		-	ND .
Mean 90th Percentile	3.97 7.53	0.09	13.53	7.84	_			59.60	44.00	0.018	5.92	0.161		0.0010	0.01000			0.01



TABLE 3.5 BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

						STREAM WATER Q	UALITY DATA SUM	RFACE WATER AN MARY STATISTICS	- MINE SITE TO MI	LNE PORT GENER	AL PARAMETERS A	ND TOTAL METAL	.s					
Site ID	Temp	In Situ P	arameters DO		Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Laborato	ry Results	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Print Dec/22/11 15:54:50 Potassium
Receiving Water Quality Objectives	(°C)	(mS/cm)	mg/L 9.5	pH 6.5 - 9.0	Total 0.000029	Total	Total 0.0047	Total .	Total 0.002	Total 0.3	Total 0.001	Total	Total	Total	Total 0.000026	Total 0.073	Total 0.083	Total
MDL (2005) MDL (2006)					0.0001	0.05	0.001	0.0003	0.0008	0.02	0.0002		0.005	0.0007		0.0003	0.001	0.02
MDL (2007)					0.000017	0.05	0.0005	0.0001	0.0001	0.03	0.00005	0.005	0.1	0.00005	0.00005	0.00005	0.0005	2 0.05
MDL (2008) MDL (2011) Milne Port Area					0.00001	0.05	0.0005	0.0001	0.0005	0.03	0.00005	0.005	0.1	0.00005	0.00001	0.00005	0.0005	0.05
Number of samples Number of Detects	5	5	4	5	5	5	5	5	5	5	5 2	5	5	5	5	5	5	5
Percentage of Detects Minimum	100%	100%	100%	100% 7.70	20% ND	100%	20% ND	20% ND	100%	80% ND	40% ND	60% ND	100%	100%	20% ND	100%	60% ND	100%
Maximum Mean	13.26	2.23	17.37	8.79	0.00005	231.00	0.0025	0.0005	0.0028	0.71	0.00060	0.038	46.00	0.01790	0.00001	0.00088	0.0027	12.30
90th Percentile N1-010	13.20	2.15	16.07	8.47	0.00005	190.20	0.0025	0.0005	0.0020	0.19	0.00048	0.025	44.80	0.01116	0.00001	0.00110	0.0019	11.78
Number of samples Number of Detects	6	6	6	6	6	6	6	6	6	6	6		6	6	6	6	6	6
Percentage of Detects	100%	100%	100%	100%	0%	100%	0%	0%	0%	17%	0%		100%	17%	0%	0%	0%	100%
Minimum Maximum	0.18 11.41	0.14	10.58 13.69	6.35 8.52	ND ND	20.00 31.10	ND ND	ND ND	ND ND	ND 0.04	ND ND		6.00 9.23	ND 0.01000	ND ND	ND ND	ND ND	0.42
Mean 90th Percentile	4.22 9.42	0.18	12.38 13.60	7.71 8.35	0.00010	26.68 30.05	0.0010	0.0003	0.0010	0.03	0.00100	•	7.95 9.11	0.01000	0.00010	0.00500	0.0050	0.62
N1-020 Number of samples	8	8	7	8	8	8	8	8	8	8	8	2	8	7	8	7	8	8
Number of Detects Percentage of Detects	100%	100%	7 100%	100%	0	100%	0	0	1 13%	50%	0	0 0%	100%	3 43%	0 0%	1 14%	1 13%	100%
Minimum Maximum	0.16 12.41	0.10 188.00	10.15 13.94	7.16 8.31	ND ND	12.80 25.30	ND ND	ND ND	ND 0.0010	ND 0.07	ND ND	ND ND	5.15 8.35	ND 0.01630	ND ND	ND 0.00500	ND 0.0050	0.30
Mean 90th Percentile	6.30 11.69	42.86 164.20	11.96	7.84 8.23	0.00010	21.29 25.09	0.0010	0.0003	0.0010	0.07	0.00100	0.005	6.57 8.11	0.01252	0.00010	0.00500	0.0050	0.39
N1-025 Number of samples	3	3	3	3	3	3	3	3	3	3	3		3	3	3	3	3	3
Number of Detects Percentage of Detects	3 100%	3 100%	3 100%	3	0	3 100%	0	0	0	1 33%	0		3 100%	0	0 0%	0	0	3 100%
Minimum Maximum	0.32 10.41	0.12	11.71	8.12 8.21	ND ND	16.00 20.00	ND ND	ND ND	ND ND	ND 0.12	ND ND		6.00 8.00	ND ND	ND ND	ND ND	ND ND	0.35
Mean 90th Percentile	4.80 9.06	0.14 0.15	12.59 13.03	8.17 8.20	0.00010	17.67 19.40	0.0010	0.0002	0.0010	0.10	0.00100		7.00	0.01000	0.00010	0.00500	0.0050	0.46
N1-030 Number of samples	6	6	6	6	6	6	6	6	6	6	6	· 	6	6	6	6	6	6
Number of Detects Percentage of Detects	6	6	6	6	0	6	0	0	0	3 50%	0		6	3 50%	0	0	0	6
Minimum Maximum	0.37 9.45	0.08	11.14	7.25 8.21	ND ND	8.74 19.00	ND ND	ND ND	ND ND	ND 0.13	ND ND		4.37 9.00	ND 0.01570	ND ND	ND ND	ND ND	0.41
Mean 90th Percentile	4.41 9.07	0.13	12.48	7.89	0.00010	15.59	0.0010	0.0003	0.0010	0.08	0.00100	-	7.23	0.01285	0.00010	0.00500	0.0050	0.62
N1-040 Number of samples	9.07	6	13.24	6	6	18.60	6	6	6	6	6	l	6	6	6	6	6	6
Number of Detects	6	6	6	6	0	6	0	0	0	1	0		6	2	0	0	0	6
Percentage of Detects Minimum Maximum	100% 0.06	0.13 0.19	100%	7.30 8.26	0% ND	100% 20.00 28.00	0% ND	0% ND	0% ND	17% ND 0.06	0% ND		100% 5.00 7.00	33% ND 0.01000	0% ND	0% ND	0% ND	0.15 0.39
Maximum Mean Alth Percentile	10.62 5.45	0.19	13.11	8.26 7.99	ND -	28.00 24.18	ND -	ND .	ND -	0.06	ND -		7.00 5.77	0.01000	ND -	ND -	ND -	0.39
90th Percentile N1-050	10.33	0.18	13.05	8.22	0.00010	27.00	0.0010	0.0003	0.0010	0.06	0.00100	I	6.80	0.01000	0.00010	0.00500	0.0050	0.37
Number of samples Number of Detects	7	7	7	7	0	7	0	7	0	0	0		7	1	0	0	7	7
Percentage of Detects Minimum	0.04	0.10	100%	7.54	0% ND	13.00	0% ND	0% ND	0% ND	0% ND	0% ND		100% 5.29	14% ND	0% ND	0% ND	0% ND	0.34
Maximum Mean	9.36 4.12	0.31	13.80 12.76	8.55 8.15	ND .	39.80 29.61	ND	ND .	ND .	ND .	ND .		18.70	0.01000	ND .	ND .	ND -	0.54
90th Percentile N1-053	8.73	0.31	13.73	8.44	0.00010	38.84	0.0010	0.0003	0.0010	0.04	0.00100		18.28	0.01000	0.00010	0.00500	0.0050	0.53
Number of samples Number of Detects	4	4	4	4	0	4	0	0	0	0	0		4	0	0	0	0	4
Percentage of Detects Minimum	100%	100% 0.15	100% 10.81	100% 8.15	0% ND	100% 24.00	0% ND	0% ND	0% ND	0% ND	0% ND	-	100% 5.00	0% ND	0% ND	0% ND	0% ND	100% 0.15
Maximum Mean	9.96 6.40	0.18	13.70 11.95	8.32 8.22	ND	27.00 25.50	ND	ND .	ND	ND -	ND -		6.00 5.50	ND	ND .	ND -	ND -	0.24
90th Percentile N1-058	9.96	0.18	13.33	8.30	0.00010	26.70	0.0010	0.0002	0.0010	0.03	0.00100		6.00	0.01000	0.00010	0.00500	0.0050	0.24
Number of samples Number of Detects	4	4	3	4	4	4	4	4 0	4 0	4	4	2	4	4 2	4	4 2	4	4
Percentage of Detects Minimum	100% 6.37	100% 0.14	100%	100%	0% ND	100% 22.00	0% ND	0% ND	0% ND	0% ND	0% ND	100% 0.005	100%	50% ND	0% ND	50% ND	0% ND	100% 0.16
Maximum Mean	11.67 9.56	179.00 85.32	12.99 11.88	8.37 8.21	ND -	26.30 24.68	ND .	ND	ND .	ND -	ND -	5.000 2.503	6.18 5.18	1.35000	ND	0.09400	ND -	0.24
90th Percentile N1-060	11.35	173.90	12.71	8.33	0.00703	26.03	0.3503	0.0701	0.3503	21.01	0.03530	4.501	5.99	0.94800	0.00703	0.06730	0.3515	0.24
Number of samples Number of Detects	8	8	7	8	8	8	8	8	8	8	8	2	8	8 2	8	8 2	8	8
Percentage of Detects Minimum	100%	100%	100%	100% 7.36	0% ND	100%	0% ND	0% ND	13% ND	0% ND	0% ND	0% ND	100%	25% ND	0% ND	25% ND	13% ND	100% 0.22
Maximum Mean	13.05 6.30	326.00 71.77	14.17 12.46	8.36 8.12	ND -	53.80 32.33	ND .	ND .	0.0010	ND -	ND -	ND -	14.00 8.37	0.01000	ND .	0.00500	0.0050	0.86
90th Percentile N1-070	12.71	270.70	13.76	8.35	0.00010	47.43	0.0010	0.0003	0.0010	0.04	0.00100	0.005	12.39	0.01000	0.00010	0.00500	0.0050	0.52
Number of samples Number of Detects	6	6	6	6	6	6	6	6	6	6	6		6	6	6	6	6	6
Percentage of Detects Minimum	100%	100%	100%	100% 7.58	0% ND	100%	0% ND	0% ND	17% ND	0% ND	0% ND		100%	50% ND	0% ND	0% ND	0% ND	100%
Maximum Mean	13.74	0.15	23.05	8.16 7.93	ND .	19.00 15.94	ND	ND .	0.0010	ND	ND .		8.71 7.07	0.01000	ND	ND .	ND	0.62
90th Percentile N1-080	11.75	0.15	18.32	8.13	0.00010	18.75	0.0010	0.0003	0.0010	0.03	0.00100		8.47	0.01000	0.00010	0.00500	0.0050	0.57
Number of samples Number of Detects	6	6	5 4	6	6	6	6	6	6	6	6		6	6	6	6	6	6
Percentage of Detects Minimum	100%	100%	80% ND	100%	0% ND	100%	0% ND	0% ND	17% ND	0% ND	0% ND		100%	17% ND	0% ND	0% ND	0% ND	100%
Maximum Mean	14.96 5.90	0.32	13.65 12.14	8.50 8.05	ND ND	42.90 28.65	ND ND	ND ND	0.0010	ND ND	ND ND		17.20	0.01000	ND ND	ND ND	ND ND	0.78
90th Percentile N1-090	12.88	0.21	13.58	8.45	0.00010	41.45	0.0010	0.0003	0.0010	0.04	0.00100		16.10	0.01000	0.00010	0.00500	0.0050	0.78
Number of samples	5	5	5	5	5	5	5	5	5	5	5		5	5	5	5	5	5
Number of Detects Percentage of Detects Minimum	100%	100%	100%	100%	0% ND	100%	0% ND	0 0% ND	0 0% ND	20% ND	20% ND		100%	20% ND	0% ND	0% ND	20% ND	100%
Maximum	1.45 14.69 6.46	0.38	12.78	8.40	ND ND	14.80 53.00 38.00	ND ND	ND ND	ND ND	ND 0.03	ND 0.00100		4.38 18.80 12.46	ND 0.03040	ND ND	ND ND	ND 0.0050	0.92
Mean 90th Percentile	6.46 12.72	0.25	11.57 12.53	7.95 8.28	0.00010	38.00 52.84	0.0010	0.0003	0.0010	0.03	0.00100		12.46 17.68	0.02224	0.00010	0.00500	0.0050	0.43
N1-100 Number of samples Number of Detects	6	6	6	6	6	6	6	6	6	6	6		6	6	6	6	6	6
Percentage of Detects	6 100% 0.74	100%	6 100% 10.59	6 100% 7.02	0 0% ND	6 100% 1.51	0 0% ND	0 0% ND	4 67% ND	100%	0 0% ND		100%	3 50% ND	0 0% ND	0 0% ND	0 0% ND	6 100% 0.49
Minimum Maximum Mean	9.35 4.77	0.02 0.09 0.07	10.59 13.40 12.21	7.02 7.92 7.45	ND ND	9.34 6.58	ND ND	ND ND	ND 0.0010 0.0010	0.02 0.07 0.04	ND ND		1.16 5.59 3.95	ND 0.01830	ND ND	ND ND	ND ND	0.49 0.81 0.61
Mean 90th Percentile N1-110	8.36	0.07	12.21	7.45	0.00010	9.17	0.0010	0.0003	0.0010	0.04	0.00100		5.30	0.01415	0.00010	0.00500	0.0050	0.61
Number of samples	6	6	6	6	6	6	6	6	6	6	6		6	6	6	6	6	6
Number of Detects Percentage of Detects	100%	100%	100%	100%	0%	100%	0%	0%	17%	83%	17%		100%	50%	0%	0%	0%	100%
Minimum Maximum	1.99 9.54	0.02	10.25 13.55	7.02 8.07	ND ND	1.43	ND ND	ND ND	ND 0.0010	ND 0.08	ND 0.00100		7.00	ND 0.01000	ND ND	ND ND	ND ND	0.48
Mean 90th Percentile	5.63 8.33	0.07	11.60 13.18	7.60 7.98	0.00010	7.86 10.51	0.0010	0.0003	0.0010	0.05	0.00100		4.70 6.12	0.01000	0.00010	0.00500	0.0050	0.64
N2-010 Number of samples	2	2	2	2	2	2	2	2	2	2	2		2	2	2	2	2	2
Number of Detects Percentage of Detects	100%	100%	100%	100%	0	100%	0 0%	0	0	0 0%	0		100%	0	0 0%	0 0%	0 0%	100%
Minimum Maximum	3.64 6.60	0.07	11.32	7.62 7.82	ND ND	7.00	ND ND	ND ND	ND ND	ND ND	ND ND		3.00	ND ND	ND ND	ND ND	ND ND	0.27
Mean 90th Percentile	5.12 6.30	0.07	12.16 12.83	7.72 7.80	0.00010	7.00	0.0010	0.0002	0.0010	0.03	0.00100		3.00	0.01000	0.00010	0.00500	0.0050	0.27
N2-013 Number of samples	3	3	3	3	3	3	3	3	3	3	3		3	3	3	3	3	3
Number of Detects Percentage of Detects	3 100%	3 100%	3	3	0	3 100%	0	0	1 33%	2 67%	0		3	0	0	0	0	3
Minimum Maximum	1.13 13.00	0.13 0.17	11.11 13.19	8.07 8.16	ND ND	15.00 20.00	ND ND	ND ND	ND 0.0010	ND 0.13	ND ND		7.00	ND ND	ND ND	ND ND	ND ND	0.48
Mean 90th Percentile	5.62 10.95	0.15 0.17	12.50 13.19	8.13 8.16	0.00010	18.00 19.80	0.0010	0.0002	0.0010	0.06	0.00100		8.67 9.80	0.01000	0.00010	0.00500	0.0050	0.60
N2-020 Number of samples	3	3	3	3	3	3	3	3	3	3	3		3	3	3	3	3	3
Number of Detects Percentage of Detects	3 100%	3 100%	3 100%	3	0	3 100%	0	0	1 33%	2 67%	0		3	0	0	0	0	3
Minimum Maximum	1.34	0.13	11.08	8.11 8.32	ND ND	16.00	ND ND	ND ND	ND 0.0010	ND 0.19	ND ND		7.00	ND ND	ND ND	ND ND	ND ND	0.45
Mean 90th Percentile	6.31	0.15	12.16	8.19 8.29	- 0.00010	19.00	0.0010	0.0002	0.0010	0.09	0.00100		9.00	0.01000	0.00010	0.00500	0.0050	0.60
N2-030 Number of samples	3	3	3	8.29	3	3	3	3	3	3	3		3	3	3	3	3	3
Number of samples Number of Detects Percentage of Detects	3 100%	3 100%	3 100%	3 100%	0 0%	3 100%	0 0%	0	0	2 67%	0		3 100%	0	0 0%	0	0 0%	3 100%
Minimum	-0.09	0.11	11.62	8.05	ND	15.00	ND	ND	ND	ND	ND		6.00	ND	ND	ND	ND	0.55 0.67
Maximum Mean	11.92 4.33	0.18	13.95	8.26 8.13	ND -	21.00 17.33	ND -	ND .	ND -	0.05	ND -		9.00 7.33	ND -	ND .	ND -	ND .	0.63
90th Percentile N2-060	9.77	0.17	13.87	8.22	0.00010	20.00	0.0010	0.0002	0.0010	0.05	0.00100	I	8.60	0.01000	0.00010	0.00500	0.0050	0.67
Number of samples Number of Detects	3	3	3	3	0	3	0	0	2	3	0		3	0	0	0	0	3
Percentage of Detects Minimum	100% 0.73	100%	100%	7.49	0% ND	100%	0% ND	0% ND	67% ND	0.05	0% ND		2.00	0% ND	0% ND	0% ND	0% ND	0.50
Maximum Mean	8.83 3.97	0.10	13.60 13.24	7.88	ND -	9.00 6.33	ND -	ND .	0.0010	0.14	ND -		6.00 4.00	ND .	ND .	ND -	ND .	0.73
90th Percentile	7.53	0.09	13.53	7.84	0.00010	8.40	0.0010	0.0002	0.0010	0.14	0.00100	I	5.60	0.01000	0.00010	0.00500	0.0050	0.70



TABLE 3.5 BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

							MARY STATISTICS								Print Dec/22/11 15:5
Site ID	Temp	In Situ P	arameters DO	рН	Selenium	Silicon	Silver	Sodium	Strontium	aboratory Results Thallium	Tin	Titanium	Uranium	Vanadium	Zinc
Receiving Water Quality Objectives	(°C)	(mS/cm)	mg/L 9.5	рн 6.5 - 9.0	Total 0.001	Total .	Total 0.0001	Total .	Total .	Total 0.0008	Total -	Total .	Total 0.015	Total 0.006	Total 0.03
MDL (2005) MDL (2006)					0.005		0.0001	0.05	0.001	0.0002	0.001	0.003		0.0009	0.001
MDL (2007) MDL (2008)					0.001	0.05	0.00001	0.0012	0.0001	0.0001	0.0001	0.01	0.00001	0.001	0.001
MDL (2011) Milne Port Area			l .	l .	0.001	0.05	0.000001	0.0012	0.0001	0.0001	0.0001	0.01	0.00001	0.001	0.003
Number of Detects Percentage of Detects	5 5 100%	5 5 100%	4 4 100%	5 5 100%	5 1 20%	5 5 100%	5 1 20%	5 5 100%	5 5 100%	5 1 20%	5 1 20%	5 1 20%	5 100%	5 1 20%	5 3 60%
Percentage or Detects Minimum Maximum	2.74	1.29	11.84	7.70	ND 0.010	0.60	ND 0.000050	0.9440	0.0080	ND 0.0005	ND 0.0005	ND 0.03	0.00089	ND 0.005	ND 0.015
Mean 90th Percentile	9.02	1.77	13.80	8.04 8.47	0.008	0.93	0.000050	131.0688 231.4000	0.4216	0.0005	0.0005	0.02	0.00287	0.005	0.008
N1-010 Number of samples	6	6	6	6	6		6	6	6	3	6	3		6	6
Number of Detects Percentage of Detects	6	6	6	6	0		0	6	6	0	0	0		0	1
Minimum Maximum	0.18	0.14	10.58	6.35 8.52	ND ND		ND ND	0.5800	0.0130	ND ND	ND ND	ND ND		ND ND	ND 0.010
Mean 90th Percentile	4.22 9.42	0.18	12.38 13.60	7.71 8.35	0.005		0.000100	0.7050 0.8250	0.0167	0.0002	0.0100	0.003		0.001	0.010
N1-020 Number of samples	8	8	7	8	8	1	8	8	7	5	8	5	1	8	8
Number of Detects Percentage of Detects	8 100%	8 100%	7 100%	8 100%	0	1 100%	0	8 100%	7	0	0	0	1 100%	0	2 25%
Minimum Maximum	0.16 12.41	0.10 188.00	10.15 13.94	7.16 8.31	ND ND	0.32 0.32	ND ND	0.3500 1.6800	0.0067 0.0195	ND ND	ND ND	ND ND	0.00192 0.00192	ND ND	ND 0.010
Mean 90th Percentile	6.30 11.69	42.86 164.20	11.96 13.51	7.84 8.23	0.005	0.32	0.000100	0.8598 1.5260	0.0150	0.0002	0.0100	0.01	0.00192	0.001	0.010
N1-025 Number of samples	3	3	3	3	3		3	3	3		3			3	3
Number of Detects Percentage of Detects	3 100%	3 100%	3 100%	3 100%	0		0	3 100%	3 100%		0			0	0
Minimum Maximum	0.32	0.12	11.71	8.12 8.21	ND ND		ND ND	0.3400 1.1500	0.0100		ND ND			ND ND	ND ND
Mean 90th Percentile	4.80 9.06	0.14	12.59	8.17 8.20	0.001		0.000100	0.7000 1.0420	0.0123 0.0144		0.0100			0.001	0.010
N1-030 Number of samples	6	6	6	6	6		6	6	6	3	6	3		6	6
Number of Detects Percentage of Detects Minimum	6 100%	6 100%	6 100%	6 100% 7.25	0 0% ND		0 0% ND	6 100% 0.3000	6 100% 0.0038	0 0% ND	0 0% ND	0 0% ND	-	0 0% ND	0 0% ND
Minimum Maximum Mean	9.45 4.41	0.08 0.16 0.13	11.14 13.31 12.48	7.25 8.21 7.89	ND ND		ND ND	0.3000 0.6600 0.4200	0.0038 0.0120 0.0086	ND ND	ND ND	ND ND		ND ND	ND ND
Mean 90th Percentile N1-040	9.07	0.13	12.48	7.89 8.17	0.005		0.000100	0.4200 0.5950	0.0086	0.0002	0.0100	0.003		0.001	0.010
Number of samples Number of Detects	6	6	6	6	6		6	6	6	3	6	3		6	6
Percentage of Detects Minimum	100%	100%	100%	100%	0% ND		0% ND	100%	100%	0% ND	0% ND	0% ND		0% ND	33% ND
Maximum Mean	10.62	0.19	13.11	8.26 7.99	ND .		ND .	0.4700 0.3150	0.0240	ND .	ND .	ND .		ND .	0.010
90th Percentile N1-050	10.33	0.18	13.05	8.22	0.005		0.000100	0.4150	0.0209	0.0002	0.0100	0.003		0.001	0.010
Number of samples	7	7	7	7	7		7	7	7	4	7	4		7	7
Percentage of Detects Minimum	100%	100% 0.10	100% 10.95	100% 7.54	0% ND		0% ND	100% 0.3700	100%	0% ND	0% ND	0% ND	-	14% ND	14% ND
Maximum Mean	9.36 4.12	0.31	13.80 12.76	8.55 8.15	ND -		ND	1.6100 0.8514	0.0220 0.0156	ND -	ND -	ND		0.001	0.010
90th Percentile N1-053	8.73	0.31	13.73	8.44	0.005		0.000100	1.3340	0.0207	0.0002	0.0100	0.003		0.001	0.010
Number of samples Number of Detects	4	4	4	4	0		0	4	4		0			4	0
Percentage of Detects Minimum	100%	0.15	100%	100% 8.15	0% ND		0% ND	100%	0.0180		0% ND			0% ND	0% ND
Maximum Mean	9.96	0.18	13.70	8.32 8.22	ND .		ND .	0.5800	0.0220		ND -		-	ND -	ND -
90th Percentile N1-058	9.96	0.18	13.33	8.30	0.001		0.000100	0.5080	0.0211		0.0100			0.001	0.010
Number of samples Number of Detects	4 4	4	3	4	0	2 2	0	4 4 100%	4	0	0	0	2 2	0	0 0%
Percentage of Detects Minimum Maximum	100% 6.37	100% 0.14 179.00	100% 11.05	100% 8.11 8.37	0% ND	100% 0.34 380.00	0% ND	0.2500 0.4570	0.0160 18.4000	0% ND	0% ND	0% ND	0.00018 0.12800	0% ND	0% ND
Maximum Mean 90th Percentile	11.67 9.56 11.35	179.00 85.32 173.90	12.99 11.88	8.37 8.21 8.33	ND - 0.700	380.00 190.17 342.03	ND - 0.000730	0.4570 0.3545 0.4282	18.4000 4.6143 12.8864	ND - 0.0900	ND - 0.0730	ND - 9.00	0.12800 0.06409 0.11522	ND - 0.700	ND - 2 103
90th Percentile N1-060 Number of samples	11.35	173.90	12.71	8.33	0.700	342.03	0.000730	0.4282	12.8864	0.0900	0.0730	9.00	0.11522	0.700	2.103
Number of Detects Percentage of Detects	8 100%	8	7	8	0	2 100%	0	8	8	0	0	0	2	0	0
Minimum Maximum	-0.06 13.05	0.08	10.95	7.36 8.36	ND ND	0.63	ND ND	0.2700	0.0080	ND ND	ND ND	ND ND	0.00056	ND ND	ND ND
Mean 90th Percentile	6.30 12.71	71.77 270.70	12.46 13.76	8.12 8.35	0.005	0.65	0.000100	0.5030 0.9718	0.0226	0.0002	0.0100	0.01	0.00073	0.001	0.010
N1-070 Number of samples	6	6	6	6	6		6	6	6	3	6	3		6	6
Number of Detects Percentage of Detects	6 100%	6	6	6	0		0	6	6	0	0	0		0	1
Minimum Maximum	-0.05 13.74	0.07	10.32 23.05	7.58 8.16	ND ND		ND ND	0.3000 0.9400	0.0057	ND ND	ND ND	ND ND		ND ND	ND 0.010
Mean 90th Percentile	6.05 11.75	0.13 0.15	13.77 18.32	7.93 8.13	0.005		0.000100	0.5550 0.7400	0.0097 0.0120	0.0002	0.0100	0.003		0.001	0.010
N1-080 Number of samples	6	6	5	6	6		6	6	6	3	6	3		6	6
Number of Detects Percentage of Detects	6	6	4 80%	6	0		0	6	6	0	1 17%	0		1 17%	1
Minimum Maximum	-0.10 14.96	0.05	ND 13.65	6.99 8.50	ND ND		ND ND	0.3100 3.4500	0.0027	ND ND	ND 0.0100	ND ND		ND 0.001	ND 0.010
Mean 90th Percentile	5.90 12.88	0.21	12.14 13.58	8.05 8.45	0.005		0.000100	1.4717 2.7450	0.0166	0.0002	0.0100	0.003		0.001	0.010
N1-090 Number of samples	5	5	5	5	5		5	5	5	3	5	3		5	5
Number of Detects Percentage of Detects	5 100%	5 100%	5 100%	5 100%	0		0	5	5 100%	0	0	0		0	2 40%
Minimum Maximum	1.45	0.09	10.16 12.78	7.53 8.40	ND ND		ND ND	0.2800 0.6000	0.0076	ND ND	ND ND	ND ND		ND ND	ND 0.010
Mean 90th Percentile	6.46 12.72	0.25	11.57 12.53	7.95 8.28	0.005		0.000100	0.4420 0.5760	0.0220	0.0002	0.0100	0.003		0.001	0.010
N1-100 Number of samples Number of Detects	6	6	6	6	6		6	6	6	3	6	3		6	6
Number of Detects Percentage of Detects Minimum	6 100% 0.74	6 100% 0.02	6 100% 10.59	6 100% 7.02	0 0% ND		0 0% ND	6 100% 0.3100	6 100% 0.0012	0 0% ND	0 0% ND	0 0% ND		0 0% ND	2 33% ND
Maximum Mean	9.35 4.77	0.02	13.40	7.92 7.92 7.45	ND ND		ND ND	0.9300 0.6133	0.0070	ND ND	ND ND	ND		ND ND	0.010 -
90th Percentile N1-110	8.36	0.09	13.11	7.76	0.005		0.000100	0.8250	0.0065	0.0002	0.0100	0.003		0.001	0.010
Number of samples Number of Detects	6	6	6	6	6		6	6	6	3	6	3		6	6
Percentage of Detects Minimum	100%	100%	100% 10.25	100% 7.02	0% ND		0% ND	100% 0.4300	100% 0.0011	0% ND	0% ND	0% ND		0% ND	50% ND
Maximum Mean	9.54 5.63	0.10	13.55 11.60	8.07 7.60	ND -		ND	1.6100 0.6800	0.0080 0.0048	ND	ND -	ND		ND -	0.010
90th Percentile N2-010	8.33	0.09	13.18	7.98	0.005		0.000100	1.0900	0.0065	0.0002	0.0100	0.003		0.001	0.010
Number of samples Number of Detects	2	2	2	2	0		0	2	2		0			0	0
Percentage of Detects Minimum	3.64	100%	100%	7.62	0% ND		0% ND	100%	100%		0% ND			0% ND	0% ND
Maximum Mean	6.60 5.12	0.07	13.00	7.82	ND .		ND .	0.3300	0.0050		ND -			ND -	ND .
90th Percentile N2-013	6.30	0.07	12.83	7.80	0.001	I	0.000100	0.3190	0.0049		0.0100		1	0.001	0.010
Number of Detects Percentage of Detects	3	3	3	3	0		0	3	3		0			0	0
Percentage of Detects Minimum Maximum	100% 1.13 13.00	100% 0.13 0.17	100% 11.11 13.19	8.07 8.16	0% ND ND		0% ND ND	0.3500 0.7500	0.0090 0.0130		0% ND			0% ND ND	ND ND
Maximum Mean 90th Percentile	13.00 5.62 10.95	0.17 0.15 0.17	13.19 12.50 13.19	8.16 8.13 8.16	ND - 0.001		ND - 0.000100	0.7500 0.5767 0.7260	0.0130 0.0113 0.0128		ND - 0.0100			ND - 0.001	ND 0.010
90th Percentile N2-020 Number of samples	10.95	0.17	13.19	8.16	0.001	I	0.000100	0.7260	0.0128		0.0100		I	0.001	0.010
Number of Detects Percentage of Detects	3 100%	3 100%	3 100%	3 100%	0		0 0%	3 100%	3 100%		0			1 33%	0 0%
Percentage of Detects Minimum Maximum	1.34	0.13 0.18	11.08 12.95	8.11 8.32	ND ND		ND ND	0.3700 0.8100	0.0090		ND ND			33% ND 0.001	ND ND
Mean 90th Percentile	6.31	0.15	12.16	8.19 8.29	0.001		0.000100	0.6033	0.0117		- 0.0100			- 0.001	0.010
N2-030 Number of samples	3	3	3	3	3		3	3	3		3		I	3	3
Number of Detects Percentage of Detects	3 100%	3 100%	3 100%	3 100%	0 0%		0 0%	3 100%	3 100%		0			0 0%	0 0%
Minimum Maximum	-0.09 11.92	0.11	11.62	8.05 8.26	ND ND		ND ND	0.3500	0.0080		ND ND			ND ND	ND ND
Mean 90th Percentile	4.33 9.77	0.18 0.14 0.17	13.95	8.26 8.13 8.22	- 0.001		0.000100	0.7700 1.2620	0.0107		- 0.0100			0.001	0.010
N2-060 Number of samples	3	3	3	3	3	l	3	1.2620	3		3		·	3	3
Number of Detects Percentage of Detects	3	3	3	3	0		0	3	3 100%		0			0	0
	0.73	0.04	12.85	7.49 7.88	ND ND		ND ND	0.2900	0.0020		ND ND			ND ND	ND ND
	0.03									1		1			
Minimum Maximum Mean 90th Percentile	3.97 7.53	0.07	13.24 13.53	7.68 7.84	0.001		0.000100	0.5233	0.0050		0.0100			0.001	0.010



TABLE 3.6 BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT STREAM WATER QUALITY DATA SUMMARY STATISTICS - MINE SITE TO MILNE PORT DISSOLVED METALS

March Marc	Site ID	Aluminum Dissolved	Antimony Dissolved	Arsenic Dissolved	Barium Dissolved	Beryllium Dissolved	Bismuth Dissolved	Boron Dissolved
1968 1968 1969			0.0004	0.005	0.001	0.005	0.0003	0.05
1969 1969	MDL (2006)	0.001	0.0001	0.0001	0.00005	0.0005	0.0005	0.01
	MDL (2011)							
No.	Number of samples	5	5	5	5	5	5	5
Mart	Percentage of Detects						0%	
Column	Maximum	0.022			0.01850			0.30
Memory M	90th Percentile		0.0005	0.0021		0.0025	0.0025	
Company	Number of samples							
March Marc	Percentage of Detects	0%	0%	0%	50%	0%	0%	17%
Mary	Maximum Detected							
Memory M	90th Percentile	0.005	0.0004	0.0050	0.01000	0.0050	0.0003	0.03
Company	Number of samples							
Money	Percentage of Detects	25%	0%	0%	63%	0%	0%	13%
Mathematical	Maximum Detected	0.007	ND	ND	0.01000	ND	ND	0.05
Martin	90th Percentile							
Marting Mart	Number of samples	3		3				3
Martin	Percentage of Detects	33%			0%			
Membra M	Maximum Detected							
The company of the co	90th Percentile	0.005		0.0010	0.01000			0.01
March Marc	Number of samples		3			3	3	
March Company March Compan	Percentage of Detects	17%	0%	0%	50%	0%	0%	17%
1985	Maximum Detected							
March or	90th Percentile	0.005	0.0004	0.0050	0.01000	0.0050	0.0003	0.03
The control of the co	Number of samples							
March Marc	Percentage of Detects					0%	0%	17%
March	Maximum Detected							
Manufact propose	90th Percentile	0.005		0.0050	0.01000	0.0050	0.0003	0.03
Manufaction 1		7	4	7	7	4	4	7
Memory	Number of Detects	1	0	0	4		0	1
March	Minimum	ND	ND	ND	ND	ND	ND	ND
SMESS	Mean		-	-	0.00657	-	-	-
Section Sect	N1-053		J.0004		1	2.0050	2.0003	
March Marc	Number of Detects	0		0	0			0
Month	Minimum			ND	ND			ND
Martine Mart	Mean	ND .						
	N1-058							1
Marchan	Number of Detects	0	0	0	2	0	0	0
Section	Minimum							
Note of services \$ \$ \$ \$ \$ \$ \$ \$ \$	Mean							
Information	N1-060	0.005	0.0001	0.0010	0.01000	0.0005	0.0005	0.01
Marchan								
Management								
Note of Services		ND .	ND .	ND ,	0.01000	ND .	ND .	0.05
Section Sect		0.005	0.0004	0.0050	0.01000	0.0050	0.0005	0.03
Processing of Dieses								
Manuse Channel Mg	Percentage of Detects	0%	0%	0%	50%	0%	0%	17%
Marchelle Dock South S		ND	ND	ND		ND	ND	
Nemer analysis	90th Percentile	0.005	0.0004	0.0050	0.01000	0.0050	0.0003	0.03
Presenting of Decision	Number of samples							
Maceman Debasted No	Percentage of Detects	0%	0%	0%	33%	0%	0%	17%
Marcher Marche March M	Maximum Detected							
Section of process Section Sec	90th Percentile	0.005	0.0004	0.0050	0.01000	0.0050	0.0003	0.03
Precenting of Debets Process	Number of samples	5	3	5	5	3	3	5
Maceman Descend	Percentage of Detects	0%	0%	0%	60%	0%	0%	
Mineral Mine	Maximum Detected				0.01000			
Number of Detects	90th Percentile	0.005	0.0004	0.0050		0.0050	0.0003	0.04
Precentings of Decicios Processing of Decicios Processing of Decic	Number of samples							
Manument	Percentage of Detects	83%	0%	0%	50%	0%	0%	17%
1000 Percentile	Maximum Detected	0.013	ND					
Niceber of amples 6	90th Percentile			0.0050	0.01000	0.0050	0.0003	0.03
Number of Detects 3	Number of samples							
Manumer Detected 0,010 ND ND 0,01000 ND ND 0,056 ND ND 0,056 ND ND ND ND ND ND ND N	Percentage of Detects		0		2			- 1
20th Percentile	Maximum Detected	0.010	ND	ND	0.01000	ND	ND	0.05
Number of analysis	90th Percentile							
Percentags of Dateds	Number of samples	2		2	2			2
Montemore No	Percentage of Detects	0		0				
Mean		ND		ND	ND			ND
Number of Decision 3	90th Percentile	-			-			-
Number of Detects	N2-013			3	1			3
Maintain	Number of Detects	1			0			
Mean	Minimum	ND		ND	ND			ND
Naveber of samples 3	Mean							-
Number of Devices 1	N2-020				1	·		
Montemon NO	Number of Detects	1		0	0			0
Material	Minimum	ND		ND	ND			ND
Number of samples 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Mean	-			-			-
Number of Detects	N2-030					L		
Precentage of Decision	Number of Detects							
Materium Detected ND	Minimum							
DOI: Percentile 0.001 0.0010 0.01000 0.01 NO 42-66 0.001 0.0010 0.00		ND		ND	ND			
Aumber of samples 3 3 3 Jumber of Detects 3 0 0 Percentage of Detects 100% 0% 0% 0% Informm 0.008 NO NO NO NO Massimum Detected 0.005 NO NO NO NO		0.005		0.0010	0.01000			0.01
Percentage of Dateds 100% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0%	Number of samples							
Maximum Detected 0.025 ND ND ND ND		- 3						



TABLE 3.6 BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT STREAM WATER QUALITY DATA SUMMARY STATISTICS - MINE SITE TO MILNE PORT DISSOLVED METALS

IT.														Print Dec/22/11 17:47:23
Site ID	Cadmium Dissolved	Calcium Dissolved	Chromium Dissolved	Cobalt Dissolved	Copper	Iron Dissolved	Lead Dissolved	y Results Lithium Dissolved	Magnesium Dissolved	Manganese Dissolved	Mercury Dissolved	Molybdenum Dissolved	Nickel Dissolved	Potassium Dissolved
Receiving Water Quality Objectives MDL (2005)	0.0001	0.05	0.001	0.0003	0.0008	0.02	0.0002	-	0.005	0.0007		0.0003	0.001	0.02
MDL (2006) MDL (2007)	0.0001 0.000017	1 0.05	0.001 0.0005	0.0002 0.0001	0.001	0.03	0.001 0.00005	0.005	0.1	0.01 0.00005	0.00005	0.005 0.00005	0.005 0.0005	0.01
MDL (2008) MDL (2011)	0.000010	0.05	0.0005	0.0001	0.0001	0.03	0.00005	0.005	0.1	0.00005	0.00001	0.00005	0.0005	0.05
Milne Port Area Number of samples	5	5	5	5	5	5	5	5	4	5	5	5	5	4
Number of Detects Percentage of Detects Minimum	0 0%	100%	0 0%	0 0%	3 60%	0 0%	0 0%	2 40% ND	3 75%	100%	0 0%	4 80% ND	1 20% ND	3 75% ND
Maximum Mean	ND ND	1.11 229.00 107.34	ND ND	ND ND	ND 0.0025 0.0012	ND ND	ND ND	0.038 -	ND 45.60 39.20	0.00044 0.01190 0.00573	ND ND	0.00114 0.00059	0.0025 -	10.60 6.49
90th Percentile N1-010	0.00005	191.80	0.0034	0.0005	0.0021	0.03	0.00026	0.035	44.55	0.01045	0.00001	0.00107	0.0025	10.51
Number of samples Number of Detects	6	6	6 2	6	6	6	6		6	6		6	6	6
Percentage of Detects Minimum Maximum Detected	0% ND	19.00	33% ND	0% ND	0% ND	0% ND	0% ND		7.00	17% ND		0% ND	0% ND	100%
Mean 90th Percentile	ND - 0.00010	30.00 25.97 29.50	0.0020	ND - 0.0003	ND - 0.0010	ND - 0.03	ND - 0.00100		8.76 7.96 8.69	0.01000		ND - 0.00500	ND - 0.0050	0.78 0.51 0.64
N1-020 Number of samples	8	8	8	8	8	8	8	2	8	8	2	8	8	8
Number of Detects Percentage of Detects	0	8 100%	1	0	0	0	0	0	8 100%	3	0	2 25%	0	8 100%
Minimum Maximum Detected	ND ND	12.10 25.00	ND 0.0010	ND ND	ND ND	ND ND	ND ND	ND ND	5.37 8.27	ND 0.01540	ND ND	ND 0.00500	ND ND	0.22
Mean 90th Percentile N1-025	0.00010	20.75	0.0010	0.0003	0.0010	0.03	0.00100	0.005	6.55 8.08	0.01162	0.00001	0.00500	0.0050	0.38
Number of samples Number of Detects	3	3	3	3	3	3	3		3	3		3	3	3
Percentage of Detects Minimum	0% ND	100%	0% ND	0% ND	0% ND	0% ND	0% ND		100%	0% ND		0% ND	0% ND	100%
Maximum Detected Mean	ND -	21.00 17.67	ND -	ND	ND -	ND -	ND		8.00 7.33	ND -		ND -	ND -	0.55 0.44
90th Percentile N1-030	0.00010	20.00	0.0010	0.0002	0.0010	0.03	0.00100		8.00	0.01000		0.00500	0.0050	0.54
Number of samples Number of Detects	6	6	6 2	6	6	6	6		6	6 2		6	6	6
Percentage of Detects Minimum Maximum Detected	0% ND	9.52	33% ND	0% ND	ND	0% ND	ND ND		100%	ND		ND	0% ND	0.29
Maximum Detected Mean 90th Percentile	ND - 0.00010	19.00 15.37 18.50	0.0010	ND - 0.0003	ND - 0.0010	ND - 0.03	ND - 0.00100		9.00 7.29 9.00	0.01450		ND - 0.00500	ND - 0.0050	0.70 0.53 0.69
N1-040 Number of samples	0.00010	18.50	0.0010	0.0003	0.0010	6	0.00100		9.00	0.01225		0.00500	0.0050	0.69
Number of Detects Percentage of Detects	0	6	2 33%	0	0	0	0		6	2 33%		0	0	6
Minimum Maximum Detected	ND ND	20.00 29.00	ND 0.0010	ND ND	ND ND	ND ND	ND ND		5.00 7.00	ND 0.01000		ND ND	ND ND	0.14
Mean 90th Percentile	0.00010	23.92 26.60	0.0010	0.0003	0.0010	0.04	0.00100		5.91 6.83	0.01000	-	0.00500	0.0050	0.25
N1-050 Number of samples	7	7	7	7	7	7	7		7	7		7	7	7
Number of Detects Percentage of Detects Minimum	0	7	3 43%	0	0	0	0		7	1 14%		0	0%	7 100%
Minimum Maximum Detected Mean	ND ND	12.30 37.40 28.74	ND 0.0020	ND ND	ND ND	ND ND	ND ND		5.67 17.30 13.04	ND 0.01000		ND ND	ND ND	0.34 0.53 0.48
90th Percentile N1-053	0.00010	37.16	0.0020	0.0003	0.0010	0.04	0.00100		17.12	0.01000	-	0.00500	0.0050	0.52
Number of samples Number of Detects	4	4	4	4	4	4	4		4	4		4 0	4	4
Percentage of Detects Minimum	0% ND	100%	0% ND	0% ND	0% ND	0% ND	0% ND		100%	0% ND		0% ND	0% ND	100%
Maximum Detected Mean	ND -	28.00 26.00	ND -	ND .	ND -	ND -	ND		6.00 5.50	ND -		ND	ND -	0.25
90th Percentile N1-058	0.00010	27.40	0.0010	0.0002	0.0010	0.03	0.00100		6.00	0.01000		0.00500	0.0050	0.25
Number of samples Number of Detects Percentage of Detects	0	4	0	0	0	4 0	0	0	4	2	0	2	4 0	4
Percentage of Detects Minimum Maximum Detected	ND ND	100% 22.00 29.40	ND ND	0% ND ND	ND ND	ND ND	ND ND	0% ND	100% 4.00	50% ND 0.01000	ND ND	50% ND 0.00500	ND ND	0.15 0.21
Mean Both Percentile	ND - 0.00010	29.40 25.00 27.96	ND - 0.0010	ND - 0.0002	ND - 0.0010	ND - 0.03	ND - 0.00100	ND - 0.005	6.32 5.19 6.05	0.01000	ND - 0.00001	0.00500	ND - 0.0050	0.21 0.19 0.21
N1-060 Number of samples	8	8	8	8	8	8	8	2	8	8	2	8	8	8
Number of Detects Percentage of Detects	0	8 100%	2 25%	1 13%	0	0	0	0	8 100%	2 25%	0	2 25%	0	8 100%
Minimum Maximum Detected	ND ND	13.10 52.50	ND 0.0020	ND 0.0004	ND ND	ND ND	ND ND	ND ND	2.09	ND 0.01000	ND ND	ND 0.00500	ND ND	0.20
Mean 90th Percentile N1-070	0.00010	35.11 45.43	0.0013	0.0003	0.0010	0.04	0.00100	0.005	8.42 11.78	0.01000	0.00001	0.00500	0.0050	0.28
Number of samples Number of Detects	6	6	6	6	6	6	6		6	6		6	6	6
Percentage of Detects Minimum	0 0% ND	6 100% 9.62	1 17% ND	0 0% ND	0 0% ND	17% ND	0 0% ND		100%	1 17% ND		0% ND	0% ND	6 100% 0.46
Maximum Detected Mean	ND -	19.00 15.69	0.0010	ND .	ND .	0.03	ND .		8.24 6.95	0.01000		ND .	ND -	0.61 0.51
90th Percentile N1-080	0.00010	18.65	0.0010	0.0003	0.0010	0.03	0.00100		8.12	0.01000		0.00500	0.0050	0.56
Number of samples Number of Detects	0	6	6 2	6	0	0	0		6	1		0	0	6
Percentage of Detects Minimum Maximum Detected	0% ND	100%	33% ND	0% ND	0% ND	0% ND	0% ND		100%	17% ND		0% ND	0% ND	0.39
Mean Both Percentile	ND - 0.00010	40.50 28.26 39.75	0.0020	ND - 0.0003	ND - 0.0010	ND - 0.04	ND - 0.00100		16.00 10.97 15.50	0.01000		ND - 0.00500	ND - 0.0050	0.80 0.67 0.78
N1-090 Number of samples	5	5	5	5		5	5		5	5		5	5	5
Number of Detects Percentage of Detects	0	5	2	0	0	0	0		5	1 20%		0	0	5
Minimum Maximum Detected	ND ND	14.10 52.00	ND 0.0020	ND ND	ND ND	ND ND	ND ND		4.69 17.70	ND 0.02940		ND ND	ND ND	0.28
Mean 90th Percentile	0.00010	37.68 51.40	0.0020	0.0003	0.0010	0.03	0.00100		12.56	0.02164		0.00500	0.0050	0.45
N1-100 Number of samples Number of Detects	6	6	6	6	6	6	6		6	6		6	6	6
Percentage of Detects Minimum	0 0% ND	6 100% 1.60	0 0% ND	0 0% ND	2 33% ND	2 33% ND	0 0% ND		6 100% 1.24	1 17% ND		0 0% ND	0 0% ND	6 100% 0.48
Maximum Detected Mean	ND .	9.05 6.54	ND ND	ND	0.0010	0.06	ND .		5.23 3.93	0.01750	-	ND -	ND -	0.85 0.61
90th Percentile N1-110	0.00010	9.03	0.0010	0.0003	0.0010	0.05	0.00100		5.17	0.01375		0.00500	0.0050	0.73
Number of Samples Number of Detects	6	6	6	6	6	6	6		6	6 2		6	6	6
Percentage of Detects Minimum Maximum Detected	0% ND	1.54	ND	0% ND	ND	17% ND	0% ND		0.93	ND		ND	0% ND	0.49
Mean Both Percentile	ND - 0.00010	7.81 10.09	ND - 0.0010	ND - 0.0003	ND - 0.0010	0.03	ND - 0.00100		6.00 4.68 6.00	0.01000		ND - 0.00500	ND - 0.0050	0.83 0.56 0.67
N2-010 Number of samples	2	10.09	0.0010	2	2	2	0.00100		2	2		0.00500	2	2
Number of Detects Percentage of Detects	0	2 100%	0	0	0	0	0		2	0		0	0	2 100%
Minimum Maximum Detected	ND ND	7.00	ND ND	ND ND	ND ND	ND ND	ND ND	-	3.00	ND ND	_	ND ND	ND ND	0.19
Mean 90th Percentile N2-013	0.00010	7.00	0.0010	0.0002	0.0010	0.03	0.00100		3.00	0.01000		0.00500	0.0050	0.22
N2-013 Number of samples Number of Detects	3	3	3	3	3	3	3		3	3		3	3	3
Number of Detects Percentage of Detects Minimum	0 0% ND	100%	1 33% ND	0 0% ND	0 0% ND	0 0% ND	0 0% ND		3 100% 7.00	0 0% ND		0 0% ND	0 0% ND	100%
Maximum Detected Mean	ND ND	16.00 20.00 18.00	ND 0.0010	ND ND	ND ND	ND ND	ND ND		7.00 10.00 9.00	ND ND	_	ND ND	ND ND	0.35 0.73 0.58
30th Percentile N2-020 Number of samples	0.00010	19.60	0.0010	0.0002	0.0010	0.03	0.00100		10.00	0.01000		0.00500	0.0050	0.71
Number of Detects	3	3	3	3	3	3	3		3	3		3	3	3
Percentage of Detects Minimum	0% ND	100%	33% ND	0% ND	0% ND	0% ND	0% ND		7.00	0% ND		0% ND	0% ND	100%
Maximum Detected Mean Bith Percentile	ND -	23.00 19.33	0.0010	ND	ND -	ND -	ND .		9.67	ND .		ND -	ND -	0.80
90th Percentile N2-030 Number of samples	0.00010	22.20	0.0010	0.0002	0.0010	0.03	0.00100		11.00	0.01000		0.00500	0.0050	0.78
Number of samples Number of Detects Percentage of Detects	0	3	0	0	0	3 0	0		3	0		0	0	3
Percentage of Detects Minimum Maximum Detected	ND ND	100% 15.00 21.00	ND ND	0% ND ND	ND ND	ND ND	ND ND		7.00 9.00	ND ND		ND ND	ND ND	0.39 0.68
Mean 90th Percentile	ND - 0.00010	21.00 17.33 20.00	ND - 0.0010	ND - 0.0002	ND - 0.0010	ND - 0.03	ND 0.00100		9.00 7.67 8.60	ND - 0.01000		ND - 0.00500	ND - 0.0050	0.68 0.57 0.67
N2-060 Number of samples	3	3	3	3	3	3	3		3	3		3	3	3
Number of Detects Percentage of Detects	0	3	0	0	1 33%	1 33%	0		3	0		0	0	3
Minimum Maximum Detected	ND ND	5.00 9.00	ND ND	ND ND	ND 0.0010	ND 0.03	ND ND	-	3.00 6.00	ND ND		ND ND	ND ND	0.48
Mean 90th Percentile 11102/0018130WReportReport 5, Rev 0 - Aquatic Progri	0.00010	6.67 8.40	0.0010	0.0002	0.0010	0.03	0.00100		4.33 5.60	0.01000		0.00500	0.0050	0.61



TABLE 3.6 BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT STREAM WATER QUALITY DATA SUMMARY STATISTICS - MINE SITE TO MILNE PORT DISSOLVED METALS

						Laboratory Results					Print Dec/22/11 17:4
Site ID	Selenium Dissolved	Silicon Dissolved	Silver Dissolved	Sodium Dissolved	Strontium Dissolved	Thallium Dissolved	Tin Dissolved	Titanium Dissolved	Uranium Dissolved	Vanadium Dissolved	Zinc Dissolved
Receiving Water Quality Objectives	0.005		0.0001	0.05	0.001	0.0002	0.001	0.003		0.0009	0.001
MDL (2006) MDL (2007)	0.001 0.001 0.001	0.05	0.0001 0.00001 0.00001	0.05 2 0.05	0.001 0.0001 0.0001	0.0001	0.001 0.0001 0.0001	0.01	0.00001	0.001 0.001 0.001	0.01 0.001 0.001
MDL (2008) MDL (2011) Milne Port Area	0.001	0.05	0.00001	0.0012	0.0001	0.0001	0.0001	0.01	0.00001	0.001	0.003
Number of samples	5	5	5	4	5	5	5	5	5	5	5
Number of Detects Percentage of Detects Minimum	20%	80%	0%	100%	5 100%	0	0%	0%	80%	20%	40%
Maximum Mean	ND 0.009	ND 0.68 0.44	ND ND	0.1440 202.0000 97.7610	0.0005 0.7550 0.3540	ND ND	ND ND	ND ND	ND 0.00245 0.00116	ND 0.005	ND 0.015
90th Percentile N1-010	0.008	0.67	0.000050	174.4000	0.6454	0.0005	0.0005	0.01	0.00234	0.006	0.011
Number of samples Number of Detects	6		6	6	6	3	6	3		6	6 2
Percentage of Detects Minimum	0% ND		0% ND	100%	100%	0% ND	0%	0% ND		50% ND	33%
Maximum Detected Mean	ND ND		ND ND	0.4900 0.9000 0.7117	0.0200	ND ND	ND ND	ND ND		0.004	0.010
90th Percentile N1-020	0.005		0.000100	0.8650	0.0193	0.0002	0.0100	0.003		0.004	0.010
Number of samples Number of Detects	8	2	8 0	8	8 8	5	8	5	2	8 2	8
Percentage of Detects Minimum	0% ND	100%	0% ND	100%	100%	0% ND	0% ND	0% ND	100%	25% ND	38% ND
Maximum Detected Mean	ND .	0.32	ND .	1.6700 0.8370	0.0195	ND .	ND .	ND .	0.00168	0.003	0.010
90th Percentile N1-025	0.005	0.32	0.000100	1.4040	0.0192	0.0002	0.0100	0.01	0.00159	0.003	0.010
Number of samples Number of Detects	3		3	3	3		3			3	3
Percentage of Detects Minimum	0% ND		0% ND	100%	100%		0% ND			0% ND	0% ND
Maximum Detected Mean	ND .		ND .	0.6400	0.0150 0.0127		ND .			ND .	ND -
90th Percentile N1-030	0.001		0.000100	0.6320	0.0144		0.0100			0.001	0.010
Number of samples Number of Detects	6		6	6	6	3	6	3		6 2	6 2
Percentage of Detects Minimum	0% ND		0% ND	100%	100%	0% ND	0% ND	0% ND		33% ND	33% ND
Maximum Detected	ND ND		ND	0.6200 0.4200	0.0120	ND ND	ND ND	ND	-	0.003	0.010
90th Percentile N1-040	0.005		0.000100	0.6050	0.0115	0.0002	0.0100	0.003		0.003	0.010
Number of samples Number of Detects	6		6	6	6	3	6	3		6 2	6
Percentage of Detects Minimum	0% ND		0% ND	100%	100%	0% ND	0% ND	0% ND		2 33% ND	17% ND
Maximum Detected Mean	ND		ND .	0.6500 0.3500	0.0250 0.0183	ND ND	ND ND	ND .		0.003	0.010
90th Percentile N1-050	0.005		0.000100	0.5300	0.0215	0.0002	0.0100	0.003		0.002	0.010
Number of samples Number of Detects	7		7	7	7	4 0	7 0	4		7	7
Percentage of Detects Minimum	0 0% ND		0 0% ND	7 100% 0.3400	7 100% 0.0070	0 0% ND	0 0% ND	0 0% ND		57% ND	3 43% ND
Maximum Detected Mean	ND ND		ND ND	0.3400 1.6100 0.8429	0.0070 0.0230 0.0157	ND ND	ND ND	ND ND		0.005 0.003	0.010 -
90th Percentile N1-053	0.005		0.000100	1.3040	0.0206	0.0002	0.0100	0.003		0.005	0.010
N1-053 Number of samples Number of Detects	4		4	4	4		4			4	4
Number of Detects Percentage of Detects Minimum	0 0%		0 0%	100%	100%		0 0%			0 0%	0 0%
Minimum Maximum Detected Mean	ND ND		ND ND	0.2400 0.4000 0.3000	0.0180 0.0220 0.0195		ND ND			ND ND	ND ND
Mean 90th Percentile N1-058	0.001		0.000100	0.3000	0.0195	,	0.0100			0.001	0.010
Number of samples Number of Detects	4	2	4	4	4	2	4	2	2	4	4
Percentage of Detects Minimum	0%	100%	0%	100%	100%	0	0%	0%	100%	0%	0
Maximum Detected Mean	ND ND	0.35 0.37 0.36	ND ND	0.2300 0.4070 0.3205	0.0150 0.0192 0.0176	ND ND	ND ND	ND ND	0.00012 0.00015 0.00014	ND ND	ND ND
90th Percentile N1-060	0.001	0.36	0.000100	0.3205	0.0176	0.0001	0.0100	0.01	0.00015	0.001	0.010
N1-060 Number of samples Number of Detects	8	2	8	8	8	5	8	5	2	8	8
Percentage of Detects Minimum	0%	100%	0%	100%	100%	0	0	0%	100%	38%	2 25%
Maximum Detected Mean	ND ND	0.67 0.72 0.70	ND ND	0.2800 1.0100 0.4608	0.0099 0.0365 0.0244	ND ND	ND ND	ND ND	0.00030 0.00053 0.00041	ND 0.004	ND 0.010
90th Percentile N1-070	0.005	0.72	0.000100	0.7902	0.0320	0.0002	0.0100	0.01	0.00051	0.004	0.010
Number of samples Number of Detects	6		6	6	6	3	6	3		6	6
Percentage of Detects Minimum	0%		0	100%	100%	0	0%	0%		33%	3 50%
Maximum Detected Mean	ND ND		ND ND	0.3400 0.9000 0.5467	0.0061 0.0140 0.0095	ND ND	ND ND	ND ND		ND 0.003	0.010
90th Percentile N1-080	0.005		0.000100	0.7100	0.0120	0.0002	0.0100	0.003		0.002	0.010
Number of samples Number of Detects	6		6	6	6	3	6	3		6	6
Percentage of Detects	0%		0%	100%	100%	0%	0%	0%		33%	50%
Maximum Detected	ND ND		ND ND	0.2900 3.1200 1.4033	0.0027 0.0260 0.0164	ND ND	ND ND	ND ND		ND 0.005	ND 0.010
90th Percentile	0.005		0.000100	2.5400	0.0164	0.0002	0.0100	0.003		0.005	0.010
Number of samples	5		5	5	5	3	5	3		5	5
Number of Detects Percentage of Detects Minimum	0 0%		0 0%	100%	100%	0	0 0%	0 0%		2 40%	3 60%
Maximum Detected Mean	ND ND		ND ND	0.2800 0.5900 0.4460	0.0078 0.0310 0.0218	ND ND	ND ND	ND ND		ND 0.007	0.010 0.006
Mean 90th Percentile N1-100	0.005		0.000100	0.4460	0.0218	0.0002	0.0100	0.003		0.006	0.006
Number of samples Number of Detects	6		6	6	6	3	6	3		6	6
Number of Detects Percentage of Detects Minimum	0 0%		0 0%	100%	100%	0 0%	0 0%	0 0%		1 17%	3 50%
Maximum Detected Mean	ND ND		ND ND	0.3100 1.0200 0.6367	0.0013 0.0070 0.0044	ND ND	ND ND	ND ND		ND 0.002	0.010
90th Percentile N1-110	0.005		0.000100	0.8700	0.0044	0.0002	0.0100	0.003		0.001	0.010
Number of samples	6		6	6	6	3	6	3		6	6
Percentage of Detects Minimum	0 0% ND		0 0% ND	6 100% 0.4700	6 100% 0.0011	0 0% ND	0 0% ND	0 0% ND		1 17% ND	3 50% ND
Maximum Detected	ND ND		ND ND	0.4700 1.6400 0.6983	0.0011 0.0080 0.0047	ND ND	ND ND	ND ND		0.001	0.010
90th Percentile N2-010	0.005		0.000100	1.1100	0.0065	0.0002	0.0100	0.003		0.001	0.010
Number of samples Number of Detects	2		2	2	2		2			2	2
Percentage of Detects	0 0% ND		0 0% ND	100%	100%		0 0% ND			0 0% ND	0 0% ND
Maximum Detected Mean	ND ND		ND ND	0.2200 0.3900 0.3050	0.0050 0.0050 0.0050		ND ND			ND ND	ND ND
90th Percentile N2-013	0.001		0.000100	0.3730	0.0050		0.0100			0.001	0.010
Number of samples	3		3	3	3		3 0			3	3
Percentage of Detects Minimum	0 0% ND		0 0% ND	100%	100%		0 0% ND			0 0% ND	0 0% ND
Maximum Detected Mean	ND ND		ND ND	0.3800 0.8000 0.6100	0.0090 0.0130 0.0113		ND ND			ND ND	ND ND
90th Percentile N2-020	0.001		0.000100	0.7700	0.0113		0.0100			0.001	0.010
Number of samples	3		3	3	3		3			3	3
Number of Detects Percentage of Detects Minimum	0 0%		0 0%	100%	100%		0 0%			33%	0 0%
Maximum Detected Mean	ND ND		ND ND	0.3300 1.0400 0.6833	0.0090 0.0140 0.0117		ND ND			ND 0.001	ND ND
Mean 90th Percentile N2-030	0.001		0.000100	0.6833	0.0117		0.0100			0.001	0.010
Number of samples	3		3	3	3		3			3	3
Number of Detects Percentage of Detects	0		0	100%	100%		0			33%	0
Minimum Maximum Detected	ND ND		ND ND	0.3100	0.0080		ND ND			ND 0.001	ND ND
Mean 90th Percentile	0.001		0.000100	0.5533	0.0110		0.0100			0.001	0.010
N2-060	3		3	3	3		3			3	3
Number of samples			_	3	3	· -	0	1	I	0	0
Number of Detects Percentage of Detects	0		0	100%	100%		0%			0%	0%
Number of Detects	0						0% ND ND				



TABLE 3.7 BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT LAKE WATER QUALITY SUMMARY DATA AND STATISTICS

Parameters	Units	Method Detection	Method Detection	Method Detection	Method Detection	Receiving Water Quality Guidelines	BL0-01-S	BL0-01-S	BL0-01-S	BL0-01-S	BL0-01-S	M BL0-01-S	ary Lake Surfa	BL0-03-S	BL0-03-S	BL0-03-S	BL0-03-S	BL0-03-S	ec/21/11 15:04:01 BL0-3-S
n Situ Parameters	Olita	Limit 2006	Limit 2007	Limit 2008	Limit 2011	2011	01-Aug-06	31-Aug-06	08-May-07	09-Aug-07	19-Sep-07	11-May-08	06-Aug-08		08-May-07	14-Aug-07	20-Sep-07	18-Sep-07	1
Temperature	°C						12.33	6.20	0.8	9.2	2.1		14.1		1.2	10.1	5.2		13.5
Specific Conductance Dissolved Oxygen	mS/cm mg/L					9.5	0.093 9.76	0.138 9.87	0.185	0.111	0.178		0.156		0.078	0.065 10.45	0.075		0.092
pH	-					6.5-9.0	8.26	8.55	10.01	10.00	8.40		7.93		10.00	10.40	8.31		7.83
Average Depth (m)	(m)						1	1											
Measured Depth (m)	(m)								1.0	1.0	1.0				1.0	1.0	1.0		1
Total Depth - May Samples Only	m								10.70						18.50				
Ice Thickness -May Samples Only	m								1.80						1.70				
Airspace - May Samples Only Snow Depth - May Samples Only	m m								0.20						0.00				
Water Depth	m								8.70	10.5	11.2		10.6		16.80	19.2	14.1		16.5
Turbidity	NTU								0	3.00	1.97		4.7		0	0.87	1.60		2.1
Secchi Disk Depth	m						0.63	1.27		2.2			4.0	1.89		4.75	3.3		3.5
General Parameters and Nutrients pH	-	-		1		6.5-9.0	7.13	7.48	7.39	8.29	8.10	8.13	7.96		6.71	8.05		7.92	7.77
Conductivity	μS/cm NTU	5	5	5	5		95 6.3	144	203	127	190	257 0.2	143		91	73		0.7	85 1.6
Turbidity Hardness	mg/L as CaCO ₃	0.1	0.1	0.1	0.1		50	75	99.2	64.1	96.1	130	74.8		43.3	35.2		39.4	42.6
Total dissolved Solids (TDS)	mg/L				1		62	94											
TDS (COND - CALC)	mg/L	5	5	5					132	83	123	167	93		59	48		55	55
Total Suspended Solids (TSS)	mg/L mg/L as CaCO ₃	_	2	2	2		50	70.	103	62	2	2	2		48	3 34		38	3
Alkalinity Bromide (Br')	mg/L as CaCO ₃	0.05	0.05	0.05	0.25		0.05	0.05	0.05	0.25	90 0.25	120	71		0.05	0.25		0.25	0.25
Chloride (Cl')	mg/L	1	1	1	1	120	1	2	3	2	6	0.25 8	0.25		2	2		3	3
Sulphate (SO ₄ ²)	mg/L	1	1	1	1		1	3	3	3	5	5	3		1	2		2	1
Ammonia (NH ₃ +NH ₄)	mg N/L	0.02	0.02	0.02	0.02	0.021-231	0.04	0.11	0.04	0.02	0.36	0.21	0.05		0.06	0.02		0.13	0.05
Nitrite (NO ₂ ')	mg N/L	0.005	0.002	0.005	0.100	0.06	0.005	0.008	0.002	0.002	0.004	0.005	0.005		0.002	0.002		0.002	0.005
Nitrate (NO ₃ *)	mg N/L	0.1	0.10	0.1	0.1	13	0.10	0.10	0.10	0.10	0.10	0.10	0.10		0.10	0.10		0.10	0.10
NO ₂ +NO ₃	mg N/L	0.1	0.10	0.1	0.1		0.10	0.10	0.10	0.10	0.10	0.10	0.10		0.10	0.10		0.10	0.10
Total Phosphorus	mg/L	0.01	0.003	0.003	0.003		0.02	0.01	0.01	0.003	0.004	0.007	0.006		0.003	0.003		0.003	0.006
Total Organic Carbon (TOC)	mg/L		0.5	0.5	0.5				2.2	1.4	1.7	2.0	2.0		1.6	2.8		1.5	1.7
Dissolved Organic Carbon Total Kjeldahl Nitrogen (TKN)	mg/L mg/L		0.5	0.5	0.5				0.17	1.3 0.22	1.7 0.35	1.8 0.32	1.9 0.29		1.5 0.05	1.9 0.21		1.5 0.12	1.5 0.21
Phenois	mg/L	0.001	0.001	0.001	0.001	0.004	0.001	0.001	0.001	0.001	0.001	0.001	0.001		0.001	0.001		0.001	0.001
Fotal Metals and Non-Metals Aluminium	mg/L	0.005	0.0010	0.001	0.003	0.005-0.1	0.144	0.135	0.0094	0.0542	0.0253	0.004500	0.030200		0.0083	0.0250		0.0162	0.058300
Antimony	mg/L	-	0.00010	0.0001	0.0001				0.00010	0.00010	0.00010	0.00010	0.000100		0.00010	0.00010		0.00010	0.000100
Arsenic	mg/L	0.001	0.00010	0.0001	0.0001	0.005	0.001	0.001	0.00010	0.00010	0.00039	0.0000001	0.000100		0.00010	0.00010		0.00011	0.000100
Barium	mg/L	0.01	0.000050	0.00005	0.00005		0.01	0.01	0.00985	0.00633	0.00849	0.013400	0.007210		0.00472	0.00407		0.00419	0.004610
Beryllium Bismuth	mg/L mg/L	-	0.00050	0.0005	0.0005				0.00050	0.00050	0.00050	0.00050	0.000500		0.00050	0.00050		0.00050	0.000500
Boron	mg/L	0.01	0.010	0.01	0.01	1.5	0.01	0.01	0.010	0.010	0.010	0.01000	0.010000		0.010	0.010		0.010	0.010000
Cadmium	mg/L	0.0001	0.000017	0.000017	0.00001	0.000029	0.0001	0.0001	0.000017	0.000017	0.000017	0.00001	0.000010		0.000240	0.000017		0.000017	0.000010
Calcium	mg/L	1	0.050	0.05	0.05		10	15	20.2	13.3	19.7	25.2	15.6		8.77	7.49		8.43	9.04
Chromium Cobalt	mg/L mg/L	0.001	0.00050	0.0005	0.0005	0.0047	0.001	0.001	0.00050	0.00050	0.00050	0.00050	0.000500		0.00050	0.00050		0.00050	0.000500
Copper	mg/L	0.0002	0.00010	0.0001	0.0001	0.002	0.001	0.001	0.00133	0.00088	0.00429	0.001220	0.001320		0.00073	0.00070		0.00187	0.000960
Iron	mg/L	0.03	0.030	0.03	0.03	0.3	0.18	0.17	0.030	0.073	0.050	0.03000	0.036000		0.030	0.030		0.030	0.069000
Lead	mg/L	0.001	0.000050	0.00005	0.00005	0.001	0.001	0.001	0.000050	0.000094	0.000054	0.00005	0.000050		0.000050	0.000060		0.000050	0.000060
Lithium Magnesium	mg/L mg/L	1	0.0050	0.005	0.005		6	9	0.0050	0.0050 7.63	0.0050	0.00500	0.005000 8.44		0.0050 5.10	0.0050 4.05		0.0050 4.45	0.005000 4.79
Manganese	mg/L	0.01	0.000050	0.00005	0.00005		0.01	0.02	0.000816	0.00326	0.00261		0.001880		0.000468	0.00117		0.000882	0.001820
Mercury	mg/L	0.0001	0.000050	0.00001	0.00001	0.000026	0.0001	0.0001	0.000050	0.000050	0.000050	0.00001	0.000010		0.000050	0.000050		0.000050	0.000010
Molybdenum	mg/L	0.005	0.000050	0.00005	0.00005	0.073	0.005	0.005	0.000275	0.000170	0.000245	0.000319	0.000180		0.000134	0.000109		0.000120	0.000123
Nickel Phosphorus	mg/L mg/L	0.005	0.00050	0.0005	0.0005	0.083	0.005	0.005	0.00090	0.00052	0.00056	0.000800	0.000680		0.00050	0.00050		0.00050	0.000510
Potassium	mg/L	0.01	2.0	0.05	0.05		0.60	0.79	2.0	2.0	2.0	1.28	0.809		2.0	2.0		2.0	0.537
Selenium	mg/L	0.001	0.0010	0.001	0.001	0.001	0.001	0.001	0.0010	0.0010	0.0010	0.00100	0.001000		0.0010	0.0010		0.0010	0.001000
Silicon	mg/L		0.050	0.05	0.05				1.14	0.750	0.904	1.140000	0.796000		0.524	0.424		0.438	0.646000
Silver Sodium	mg/L mg/L	0.0001	0.000010 2.0	0.00001	0.000001	0.0001	0.0001	1.22	2.0	2.0	0.000010 2.0	3.30	0.000010 1.32		2.0	2.0		2.0	0.000010
Strontium	mg/L	0.001	0.00010	0.0001	0.0001		0.007	0.011	0.0127	0.00859	0.0144		0.009280		0.00863	0.00775		0.00749	0.006930
Thallium	mg/L		0.00010	0.0001	0.0001	0.0008			0.00010	0.00010	0.00010	0.00010	0.000100		0.00010	0.00010		0.00010	0.000100
Tin Titanium	mg/L mg/l	0.01	0.00010	0.0001	0.0001		0.01	0.01	0.00365	0.00010	0.00010	0.000830	0.000310		0.00077	0.00010		0.00010	0.000190
Titanium Uranium	mg/L mg/L		0.010	0.001	0.001	0.015			0.010	0.010	0.010	0.01000	0.010000		0.010	0.010		0.010	0.010000
Vanadium	mg/L	0.001	0.0010	0.001	0.001	0.006	0.001	0.001	0.0010	0.0010	0.0035	0.00100	0.001000		0.0010	0.0010		0.0013	0.001000
Zinc	mg/L	0.01	0.0010	0.001	0.003	0.03	0.01	0.01	0.0010	0.0017	0.0010	0.001500	0.001500		0.0010	0.0010		0.0010	0.001000
Dissolved Metals and Non-Metals Aluminium	mg/L	0.005	0.0010	0.001	0.003		0.009	0.008	0.0052	0.0269	0.0224	0.0034	0.005500		0.0057	0.0146		0.0164	0.007000
Antimony	mg/L		0.00010	0.0001	0.0001				0.00010	0.00021	0.00010	0.0001	0.000100		0.00010	0.00025		0.00010	0.000100
Arsenic Barium	mg/L mg/L	0.001	0.00010	0.0001	0.0001		0.001	0.001	0.00010	0.00010	0.00028	0.0001	0.000100		0.00010	0.00010		0.00010	0.000100
Beryllium	mg/L		0.00050	0.0005	0.0005				0.00050	0.00050	0.00050	0.0005	0.000500		0.00050	0.00050		0.00050	0.000500
Bismuth	mg/L		0.00050	0.0005	0.0005				0.00050	0.00050	0.00050	0.0005	0.000500		0.00050	0.00050		0.00050	0.000500
Boron	mg/L	0.01	0.010	0.01	0.01		0.01	0.01	0.010	0.010	0.010	0.01	0.010000		0.010	0.010		0.010	0.010000
Cadmium Calcium	mg/L mg/L	0.0001	0.000017	0.000017	0.00001		0.0001	0.0001 15	0.000017	0.000017	0.000017	0.00001 26.8	0.000010		0.000025 8.87	7.44		0.000017 8.42	0.000010 8.88
Chromium	mg/L	0.001	0.00050	0.0005	0.0005		0.001	0.001	0.00050	0.00050	0.00050	0.0005	0.000500		0.00050	0.00050		0.00050	0.000500
Cobalt	mg/L	0.0002	0.00010	0.0001	0.0001		0.0002	0.0002	0.00010	0.00010	0.00010	0.0001	0.000100		0.00010	0.00010		0.00010	0.000100
Copper	mg/L	0.001	0.00010	0.0001	0.0005		0.001	0.001	0.00123	0.00080	0.00404	0.00131	0.001140		0.00077	0.00061 0.030		0.00188	0.000950
Iron Lead	mg/L mg/L	0.001	0.00050	0.00005	0.00005		0.001	0.001	0.000050	0.000050	0.000060	0.0005	0.030000		0.030	0.000050		0.000070	0.030000
Lithium	mg/L		0.0050	0.005	0.005				0.0050	0.0050	0.0050	0.005	0.005000		0.0050	0.0050		0.0050	0.005000
Magnesium	mg/L	1	0.10	0.1	0.1		6	9	12.0	7.52	11.3	15.3	8.90		5.14	4.03		4.46	4.97
Manganese Mercury	mg/L mg/L	0.01	0.000050	0.00005	0.00005		0.01	0.01	0.000592	0.00199	0.00237	0.00034	0.001220		0.000478	0.000806		0.00106 0.000050	0.000636
Mercury Molybdenum	mg/L mg/L	0.005	0.000050	0.00001	0.00001		0.005	0.005	0.000050	0.000050	0.000050	0.00001	0.000010		0.000050	0.000050		0.000050	0.000010
Nickel	mg/L	0.005	0.00050	0.0005	0.0005		0.005	0.005	0.00087	0.00050	0.00060	0.00076	0.000500		0.00052	0.00050		0.00050	0.000500
Phosphorus	mg/L		0.30	0.003					0.30	0.30	0.30				0.30	0.30		0.30	
Potassium	mg/L	0.01	2.0	0.05	0.05	_	0.56	0.79	2.0	2.0	2.0	1.23	0.789		2.0	2.0		2.0	0.474
Selenium Silicon	mg/L mg/L	0.001	0.0010	0.001	0.001		0.001	0.001	0.0010	0.0010	0.0010	0.001 1.190	0.001000		0.0010	0.0010		0.0010	0.001000
Silver	mg/L	0.0001	0.000010	0.00001	0.000001		0.0001	0.0001	0.000010	0.000010	0.000010	0.00001	0.000010		0.000010	0.000010		0.000010	0.000010
Sodium	mg/L	0.05	2.0	0.05	0.0012		0.64	1.13	2.0	2.0	2.2	3.26	1.33		2.0	2.0		2.0	0.706
Strontium	mg/L	0.001	0.00010	0.0001	0.0001		0.007	0.011	0.0126	0.00803	0.0114	0.01680	0.009010		0.00875	0.00785		0.00746	0.006350
Thallium Tin	mg/L mg/L	0.01	0.00010	0.0001	0.0001		0.01	0.01	0.00010	0.00010	0.00010	0.0001	0.000100		0.00010	0.00010		0.00010	0.000100
			0.010	0.01	0.01				0.010	0.010	0.010	0.010	0.010000		0.010	0.010		0.010	0.010000
Titanium	mg/L																		
Titanium Uranium Vanadium	mg/L mg/L		0.000010	0.00001	0.00001		0.001		0.00210	0.00102	0.00237	0.003240 0.001	0.001260		0.000587	0.000447		0.000557	0.000554



TABLE 3.7 BAFFINLAND IRON MINES CORPORATION MADY BUEFFINE PROJECT

SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT LAKE WATER QUALITY SUMMARY DATA AND STATISTICS

BL0-06-S BL0-06-S BLO-04-S BLO-04-S BLO-04-S BLO-04-S BLO-04-S BLO-04-S BLO-04-S BLO-05-S BLO BL0-5-S BL0-05-S BL0-0-5-B4 S BL0-06-S 2011 06-Aug-08 26-Jul-11 26-Jul-11 14-Aug-07 18-Sep-07 05-Aug-08 9.6 13.7 8.47 6.76 0.8 5.9 8.94 9.14 8.5 Specific Conductance mS/cm 0.083 0.064 0.077 0.105 0.050 0.067 0.084 0.071 0.081 0.077 0.075 0.070 0.064 0.078 0.076 9.5 19.53 10.42 12.68 10.42 10.79 9.90 19.57 10.52 12.73 11.02 10.78 12.75 11.19 Dissolved Oxygen mg/L 6.5-9.0 7.67 7.67 7.72 6.78 7.66 7.63 7.54 8.11 7.56 pН 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 Measured Depth (m) (m) 23.20 23.00 Total Depth - May Samples Only m 1.30 1.60 Ice Thickness -May Samples Only 0.00 0.00 Snow Depth - May Samples Only 0.50 0.40 21.6 18.4 11.9 17 9.4 8.8 8.7 20.3 20.3 20.8 Water Depth 21.90 21.40 m 1.32 5.5 1.68 1.54 NTU 1.42 8.8 2.20 1.34 8.4 Turbidity 0 0 Secchi Disk Depth 1.34 3.2 3.0 2.0 1.43 3.15 3.4 2.5 3.6 3.1 1.43 8.15 103 93 91 79.00 96 72 87 54 72 96 80 72 70.00 Conductivity Turbidity NTU 0.1 0.1 0.1 0.1 0.3 0.6 1.0 0.4 3.8 2.8 2.9 0.3 1.7 0.8 2.0 2.40 1.40 mg/L as CaCO 0.5 0.5 0.5 34 43.7 34.6 49.5 45.7 25 38.0 36.9 34.60 33.40 Total dissolved Solids (TDS) 35 47 TDS (COND - CALC) mg/L 5 62 47 57 67 61 62 52 59 47 51.00 46.00 Total Suspended Solids (TSS) mg/L 2 4 20.00 2.00 38 48 27 35 mg/L as CaCC 33 38 46 39 46 39.00 36.00 Bromide (Br') mg/L 0.05 0.05 0.05 0.25 0.25 0.25 Chloride (Cl⁻) mg/L 2 6 2 4 4 2.00 2.00 3 Sulphate (SO₄²·) mg/L 2 3 1.00 1.00 Ammonia (NH₃+NH₄) mg N/L 0.02 0.02 0.02 0.02 0.021-231 0.02 0.04 0.02 0.25 0.03 0.09 0.05 0.02 0.03 0.05 0.03 0.002 0.002 mg N/L 0.005 0.005 0.100 0.002 0.009 0.10 Nitrite (NO₂) 0.10 0.005 0.10 0.10 0.10 0.10 0.1 0.1 0.1 13 Nitrate (NO₃⁻) mg N/L 0.10 NO₂+NO₃ mg N/L 0.1 0.10 0.1 0.1 0.10 0.10 0.01 0.003 0.003 0.003 0.005 0.01 0.02 0.003 Total Phosphorus mg/L 0.003 0.005 0.006 0.009 0.003 0.5 1.5 1.60 0.5 0.5 1.8 1.5 1.3 1.5 1.6 1.5 1.8 1.4 1.60 mg/L Total Organic Carbon (TOC) Dissolved Organic Carbon 0.5 0.5 0.5 1.6 1.4 1.4 1.6 1.5 1.5 1.4 1.40 1.50 mg/L 0.05 0.15 0.28 0.23 0.12 0.14 mg/L 0.1 0.1 Phenols mg/L 0.001 0.001 0.001 0.001 0.004 0.001 0.001 0.001 0.001 0.001 0.0010 0.003 0.0258 0.00540 0.105000 mg/L 0.005 0.001 0.005-0.1 0.0073 0.0276 0.107 0.068100 0.0833 0.0493 0.089 0.0076 0.0572 0.0325 0.00010 0.0001 0.0001 mg/L mg/L 0.001 0.00010 0.0001 0.0001 0.005 Barium mg/L 0.01 0.000050 0.00005 0.00005 0.00499 0.00393 0.00457 0.00582 0.005860 0.00496 0.00470 0.00485 0.004350 0.00442 0.00395 Beryllium mg/L 0.00050 0.0005 0.0005 0.00 Bismuth 0.00050 0.0005 0.0005 0.00050 0.00050 0.00050 0.0005 0.0005 0.0005 0.0005 0.000500 0.0005 0.00 mg/L 0.010 0.01 0.01 mg/L Cadmium mg/L 0.0001 0.000017 0.000017 0.00001 0.000029 0.0001 Calcium mg/L 0.050 0.05 0.05 9.16 7.30 8.69 10.3 10.3 6 8.99 8.26 9.00 7.47 7.12 6.85 0.001 0.0005 Chromium mg/L 0.00050 0.0005 0.0047 0.00010 0.0001 0.0001 0.00010 0.00010 0.000100 0.0002 Cobalt mg/L 0.0002 0.00010 0.000100 0.0002 0.00010 0.00010 0.00010 0.000100 0.0001 0.00 0.001 0.00010 0.0001 0.0005 0.00076 0.00071 0.000730 0.001 mg/L mg/L 0.03 0.030 0.03 0.03 0.3 0.062 0.035 0.138000 0.10 0.09 0.062 0.046 0.077000 0.07 0.10 Lead mg/L 0.001 0.000050 0.00005 0.00005 0.001 0.000149 0.00008 0.000130 0.000088 0.000080 0.00008 0.00007 Lithium mg/L 0.0050 0.005 0.005 0.10 0.1 3.98 5.66 4.84 3 4 4.28 4.72 3.90 4.07 3.95 0.1 5.33 4.51 5.21 Magnesium mg/L 0.01 0.000050 0.00005 0.00005 0.000397 0.00105 0.00027 0.00146 0.00116 0.001760 0.00215 0.00266 mg/L 0.000424 Mercury mg/L 0.0001 0.000050 0.00001 0.00001 0.000026 Molybdenum mg/L 0.005 0.000050 0.00005 0.00005 0.073 0.000143 0.000100 0.000135 0.00016 0.000168 0.000147 0.000137 0.000150 0.000106 0.000149 0.000159 0.00050 Nickel mg/L 0.005 0.0005 0.0005 0.083 0.00053 0.000510 0.00052 0.00057 0.003 0.30 0.30 0.30 0.30 0.30 0.003 0.30 0.30 Phosphorus mg/L 2.0 0.05 0.05 0.40 0.46 mg/L Selenium mg/L 0.001 0.0010 0.001 0.001 0.001 0.0010 Silicon mg/L 0.050 0.05 0.05 0.500 0.413 0.446 0.40900 0.730000 0.492 0.523 0.467 0.540000 0.54 0.49 0.0001 0.000001 0.0001 Silver mg/L 0.000010 0.00001 2.0 1.00 0.919 0.55 2.0 0.705 1.01 0.957 Sodium mg/L 0.05 2.0 0.05 0.0012 0.41 0.001 0.00010 0.0001 0.0001 0.00924 0.00751 0.01110 0.011600 0.007 0.009 0.00935 0.0105 0.01040 0.006810 0.00623 0.00569 mg/L Thallium mg/L 0.00010 0.0001 0.0001 0.0008 Tin mg/L 0.01 0.00010 0.0001 0.0001 0.00045 0.00082 0.000620 0.00056 0.000120 Titanium mg/L 0.010 0.01 0.01 0.000010 0.00001 0.00001 0.015 0.000618 0.000451 0.000649 0.00079 0.000780 0.000612 0.000599 0.000747 0.000493 0.000569 0.000516 Uranium mg/L 0.0010 0.001 0.001 0.006 Vanadiun mg/L mg/L 0.01 0.0010 0.001 0.003 0.03 0.0027 0.00300 0.01 0.0013 0.003 mg/L 0.005 0.0010 0.001 0.0056 0.0137 0.0197 0.0038 0.007900 0.011 0.007 0.0052 0.0283 0.0188 0.009300 0.0062 0.0047 0.0001 mg/L 0.00010 0.0001 0.00026 0.0001 0.0001 0.001 0.00010 0.0001 0.0001 Barium mg/L 0.01 0.000050 0.00005 0.00005 0.00495 0.00397 0.00448 0.00537 0.005210 0.00490 0.00459 0.00488 0.004030 0.004 0.00357 Beryllium mg/L 0.00050 0.0005 0.0005 0.00050 0.0005 0.00050 0.0005 0.00 0.00050 0.0005 0.0005 0.00050 0.00050 0.00050 0.0005 0.000500 0.00050 0.00050 0.0005 0.00 Bismuth mg/L 0.00050 0.01 mg/L 0.01 0.010 0.01 0.01 0.010 0.0001 0.000017 0.000017 0.00001 mg/L Calcium mg/L 0.050 0.05 0.05 9.08 7.30 8.78 10.4 9.97 5 7 8.96 8.26 8.98 7.95 7.01 6.63 Chromium mg/L 0.001 0.00050 0.0005 0.0005 0.00050 0.0005 0.001 0.001 0.0005 0.00 0.0002 0.00010 0.0001 0.0001 0.00010 0.00010 0.0001 0.000100 0.0002 0.0002 0.000100 0.0001 0.00 Cobalt mg/L 0.00010 0.00010 0.00010 0.00055 mg/L 0.001 0.00010 0.0001 0.0005 0.00078 0.00061 0.000800 0.00063 0.000750 0.03 0.030 0.03 0.03 0.033 Lead mg/L 0.001 0.000050 0.00005 0.00005 0.000109 Lithium mg/L 0.0050 0.005 0.005 0.0050 0.10 0.1 0.1 5.27 3.97 4.48 5.70 5.06 3 4 5.18 4.22 4.73 4.13 4.00 3.81 mg/L Magnesium 0.000705 mg/L 0.000050 0.00005 0.00005 0.000450 0.00059 0.000050 0.00001 0.00001 0.005 Molybdenum mg/L 0.000050 0.00005 0.00005 0.000145 0.000108 0.000139 0.000156 0.000202 0.005 0.000134 0.000145 0.000148 0.000122 0.000148 0.000107 Nickel mg/L 0.005 0.00050 0.0005 0.0005 0.00058 0.00050 0.00050 0.00050 0.000500 0.005 0.005 0.00051 0.00050 0.00050 0.000500 0.0005 0.30 0.30 mg/L 0.30 0.003 0.30 0.30 0.30 Phosphorus 2.0 2.0 2.0 0.670 0.597 0.38 0.46 2.0 2.0 0.0010 mg/L 0.001 0.0010 0.001 0.001 0.0010 0.001 0.001 0.397 0.431 0.404 0.560000 0.451000 0.42 Silicon mg/L 0.050 0.05 0.05 0.479 0.504 0.453 0.458 0.39 0.0001 0.000010 0.00001 0.000010 0.0001 Silver mg/L 0.000001 0.0001 0.000010 2.0 0.05 0.00010 0.0001
 2.0
 2.0
 0.998
 0.921
 0.39
 0.53
 2.0
 2.0

 0.00783
 0.00937
 0.01120
 0.011400
 0.007
 0.009
 0.00926
 0.0108
 Sodium mg/L 0.05 0.0012 2.0 0.735 0.988 0.916 0.001 Strontium mg/L 0.0001 0.007110 0.00588 0.00534 0.00010 0.0001 0.00010 0.0001 0.010 0.01 Thallium 0.0001 0.000100 mg/L 0.01 0.000340 0.0001 Tin mg/L 0.0001 0.00126 0.00010 0.00010 0.00 0.000800 0.01 0.00202 0.00010 0.00010 0.00 0.010 0.010 Titanium mg/L 0.01 0.010 0.010 0.010000 0.01 0.000010 0.00001 0.00001 0.000608 0.000576 0.000719 0.000451 0.000554 0.000502 Uranium mg/L 0.0010 0.001 0.001000 mg/L 0.0010 0.001 0.0010 0.0010



BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT LAKE WATER QUALITY SUMMARY DATA AND STATISTICS

																							Print Dec/	/21/11 15:04:08
Parameters	Units	Method Detection Limit	Method Detection Limit	Method Detection Limit	Method Detection Limit	Receiving Water Quality Guidelines	BL0-01-B	BL0-01-B		BL0-01-B BL0-01-B	BL0-01-B	BL0-1-B	BL0-03-B	BL0-03-B	BL0-03-B	BL0-03-B	BL0-03-B	BL0-03-B	BL0-04-B E	8L0-04-B	BL0-04-B	BL0-04-B	BL0-04-B	BL0-4-B
In Situ Parameters		2006	2007	2008	2011	2011	01-Aug-06		08-May-07		11-May-08		01-Aug-06	08-May-07		18-Sep-07			31-Jul-06 0			18-Sep-07	11-May-08	
Temperature Specific Conductance	°C mS/cm						9.12	5.93 0.138	0.183	9.2 2.3 0.112 0.178		7.9 0.137		0.074	0.061		0.075	0.071		0.073	7.5	0.077		7.3 0.077
Dissolved Oxygen	mg/L					9.5	10.52	10.10	14.30	10.80 11.83		11.31		12.70	8.14		11.08	10.87		13.84	10.15	12.47		10.95
pН	-					6.5-9.0	8.07	8.26		8.40		7.28					8.01	6.83				7.84		6.76
Average Depth (m)	(m)						8	13																
Measured Depth (m)	(m)								8.0	10.0 10.0				15.7	18.5		13.0			21.0	21.0	19.0		
Total Depth - May Samples Only Ice Thickness -May Samples Only	m m								1.80					1.70						1.30				
Airspace - May Samples Only	m								0.20					0.00						0.00				_
Snow Depth - May Samples Only Water Depth	m m								0.25 8.70	10.5 11.2		10.6		0.40	19.2		14.1	16.5		0.50 21.90	21.6	20.3		20.3
Turbidity	NTU								0.70	4.90 1.92		5.9		0	-		1.34	1.7		0	21.0	20.5		8.3
Secchi Disk Depth	m						0.63	1.27		2.2		4.0	1.89		4.75		3.3	3.5	1.34		3.2	3.0		2.0
General Parameters and Nutrients pH	-	-		1		6.5-9.0	7.04	7.45	7.38	8.24 8.14	8.12	7.91		6.67	8.13	7.89		7.56		6.66	8.11	7.83	7.76	7.55
Conductivity	μS/cm	5	5	5	5 0.1		84	144	199	125 191	254	124		85	69	84		65		86	69	88	100	68
Turbidity Hardness	MTU mg/L as CaCO ₃	0.1	0.1	0.1	0.1		8.9	75	0.3	1.0 0.9 63.4 95.9	137	1.5 65.9		0.2 39.7	33.8	0.6 39.5		1.1 31.9		2.3 39.5	0.9	0.7 40.6	0.8 49.2	2.8
Total dissolved Solids (TDS)	mg/L				1		55	94																
TDS (COND - CALC)	mg/L	5	5	5					129	81 124	165	81		55	45	55		42		56	45	57	65	44
Total Suspended Solids (TSS) Alkalinity	mg/L mg/L as CaCO ₃	5	5	5	5		44	73	98	62 90	118	63		44	32	38		30		45	32	37	44	31
Bromide (Br')	mg/L	0.05	0.05	0.05	0.25		0.05	0.05	0.05	0.25 0.25	0.25	0.25		0.05	0.25	0.25		0.25		0.05	0.25	0.25	0.25	0.25
Chloride (Cl')	mg/L	1	1	1	1	120	1	2	3	2 6	8	2		2	2	3		2		2	2	4	4	3
Sulphate (SO ₄ ² ·)	mg/L	1	1	1	1	0.001.771	1	3	3	3 5	5	1		1	2	2		1		1	2	3	2	1
Ammonia (NH ₃ +NH ₄) Nitrite (NO ₂)	mg N/L	0.02	0.02	0.02	0.02	0.021-231	0.03	0.03	0.02	0.14 0.06 0.002 0.004	0.02	0.002		0.02	0.003	0.02		0.07		0.002	0.31	0.002	0.08	0.02
Nitrate (NO ₃)	mg N/L	0.005	0.10	0.005	0.100	13	0.10	0.10	0.10	0.10 0.10	0.005	0.005		0.10	0.10	0.10		0.005		0.10	0.10	0.10	0.005	0.005
NO ₂ +NO ₃	mg N/L	0.1	0.10	0.1	0.1		0.10	0.10	0.10	0.10 0.10	0.10	0.10		0.10	0.10	0.10		0.10		0.10	0.10	0.10	0.10	0.10
Total Phosphorus	mg/L	0.01	0.003	0.003	0.003		0.02	0.01	0.003	0.003 0.004	0.005	0.006		0.003	0.003	0.003		0.005		0.004	0.003	0.003	0.004	0.007
Total Organic Carbon (TOC)	mg/L		0.5	0.5	0.5				2.0	1.4 1.8	1.9	1.7		1.6	2.2	1.5		1.5		1.6	1.5	1.6	1.2	1.2
Dissolved Organic Carbon Total Kjeldahl Nitrogen (TKN)	mg/L mg/L		0.5	0.5	0.5				2.0 0.05	1.4 1.8 0.32 0.14	1.9	1.7		1.6 0.05	0.13	1.5 0.10		0.16		1.6	1.6	0.10	1.3	0.17
Phenols	mg/L	0.001	0.001	0.001	0.001	0.004	0.001	0.001	0.001	0.001 0.001	0.001	0.001		0.001	0.001	0.10		0.001		0.001	0.001	0.001	0.001	0.001
Total Metals and Non-Metals Aluminium	mg/L	0.005	0.0010	0.001	0.003	0.005-0.1	0.191	0.119	0.0101	0.0542 0.0474	0.004500	0.049500		0.0076	0.0755	0.0166		0.042600		0.0360	0.0439	0.0262	0.01770	0.105000
Antimony	mg/L	-	0.00010	0.0001	0.0001				0.00010	0.00010 0.00010	0.00010	0.000100		0.00010	0.00010	0.00010		0.000100		0.00010	0.00010	0.00010	0.000100	0.000100
Arsenic Barium	mg/L	0.001	0.00010	0.0001	0.0001	0.005	0.001	0.001	0.00010	0.00010 0.00020	0.00010	0.000100		0.00010	0.00010	0.00010		0.000100		0.00010	0.00010	0.00010	0.000100 0.00587	0.000100
Beryllium	mg/L mg/L	- 0.01	0.00050	0.0005	0.0005		0.01	0.01	0.00948	0.00617 0.00862 0.00050 0.00050	0.00050	0.000500		0.00441	0.00417	0.00417		0.003710		0.00482	0.00050	0.00454	0.000500	0.000500
Bismuth	mg/L	-	0.00050	0.0005	0.0005				0.00050	0.00050 0.00050	0.00050	0.000500		0.00050	0.00050	0.00050		0.000500		0.00050	0.00050	0.00050	0.000500	0.000500
Boron Cadmium	mg/L	0.001	0.010	0.01	0.001	1.5 0.000029	0.01	0.001	0.010	0.010 0.010 0.000017 0.000017	0.01000	0.010000		0.010	0.010	0.010		0.010000		0.010	0.010	0.010	0.010000	0.010000
Calcium	mg/L mg/L	1	0.000017	0.00	0.0001	0.000029	9	15	19.8	13.3 19.7	24.9	13.4		8.09	6.98	8.31		6.81		8.23	7.02	8.77	10.4	7.37
Chromium	mg/L	0.001	0.00050	0.0005	0.0005	0.0047	0.001	0.001	0.00050	0.00050 0.00050	0.00050	0.000500		0.00050	0.00050	0.00050		0.000500		0.00050	0.00050	0.00050	0.000500	0.000500
Cobalt Copper	mg/L mg/L	0.0002	0.00010	0.0001	0.0001	0.002	0.0002	0.0002	0.00010	0.00010 0.00010 0.00085 0.00318	0.00010	0.000100		0.00010	0.00010	0.00010		0.000100		0.00010	0.00010	0.00010	0.000100	0.000100
Iron	mg/L	0.03	0.030	0.03	0.03	0.3	0.25	0.11	0.030	0.075 0.098	0.03000	0.061000		0.030	0.112	0.030		0.054000		0.037	0.055	0.035	0.030000	0.131000
Lead	mg/L	0.001	0.000050	0.00005	0.00005	0.001	0.001	0.001	0.000050	0.000075 0.000085		0.000070			0.000105	0.000050		0.000060		0.000064	0.000074	0.000050	0.00005	0.000130
Lithium Magnesium	mg/L mg/L	1	0.0050	0.005	0.005		5	9	0.0050	0.0050 0.0050 7.56 11.4	0.00500	7.35		0.0050 4.69	0.0050 3.85	0.0050 4.43		0.005000 3.56		0.0050 4.77	0.0050 3.78	0.0050 4.51	0.005000 5.71	3.68
Manganese	mg/L	0.01	0.000050	0.00005	0.00005		0.01	0.01	0.00102	0.00325 0.00726	0.001230	0.005760			0.00418	0.000893		0.001680		0.00223	0.00163	0.000919	0.00101	0.002550
Mercury Molybdenum	mg/L	0.0001	0.000050	0.00001	0.00001	0.000026 0.073	0.0001	0.0001	0.000050	0.000050 0.000050	0.00001	0.000010		0.000050 0.000117	0.000050 0.000091	0.000050		0.000010		0.000050	0.000050	0.000050	0.000010 0.00015	0.000010
Nickel	mg/L mg/L	0.005	0.000050	0.00005	0.00005	0.073	0.005	0.005	0.000254	0.000150 0.000214 0.00050 0.00062	0.000331	0.000131		0.00050	0.00060	0.000110		0.000102		0.00058	0.00050	0.000120 0.00050	0.00015	
Phosphorus	mg/L		0.30	0.003	0.003				0.30	0.30 0.30				0.30	0.30	0.30				0.30	0.30	0.30		
Potassium Selenium	mg/L mg/L	0.01	0.0010	0.05	0.05	0.001	0.55	0.77	0.0010	2.0 2.0 0.0010 0.0010	0.00100	0.653		0.0010	0.0010	0.0010		0.449		2.0 0.0010	2.0 0.0010	2.0	0.702	0.504
Silicon	mg/L		0.050	0.05	0.05				1.10	0.748 0.930	1.180000	0.822000		0.482	0.553	0.434		0.453000		0.541	0.472	0.452	0.46800	0.647000
Silver	mg/L	0.0001	0.000010	0.00001	0.000001	0.0001	0.0001	0.0001	0.000010	0.000010 0.000010	0.00001	0.000010		0.000010	0.000010	0.000010		0.000010	(0.000010	0.000010	0.000010	0.000010	0.000010
Sodium Strontium	mg/L mg/L	0.05	0.00010	0.05	0.0012		0.44	0.011	0.0121	2.0 3.9 0.00789 0.0109	3.19 0.016700	0.957		0.00821	0.00691	0.00733		0.624		2.0	0.00782	0.00910	1.25 0.01200	0.661
Thallium	mg/L		0.00010	0.0001	0.0001	0.0008			0.0001	0.00010 0.00010	0.00010	0.000100		0.0001	0.00010	0.00010		0.000100		0.0001	0.00010	0.00010	0.000100	0.000100
Tin	mg/L	0.01	0.00010	0.0001	0.0001		0.01	0.01	0.00051	0.00010 0.00010	0.000750	0.000230		0.00036	0.00010	0.00010		0.000640		0.00011	0.00010	0.00010	0.00182	0.000530
Titanium Uranium	mg/L mg/L		0.010	0.001	0.001	0.015			0.010	0.010 0.010 0.00102 0.00235	0.01000	0.010000		0.010	0.010	0.010		0.010000		0.010	0.010	0.010	0.010000	0.010000
Vanadium	mg/L	0.001	0.0010	0.001	0.001	0.006	0.001	0.001	0.0010	0.0010 0.0020	0.00100	0.001000		0.0010	0.0010	0.0010		0.001000		0.0010	0.0010	0.0010	0.001000	0.001000
Zinc Dissolved Metals and Non-Metals	mg/L	0.01	0.0010	0.001	0.003	0.03	0.01	0.01	0.0010	0.0010 0.0010	0.00100	0.001000		0.0010	0.0011	0.0010		0.001000		0.0010	0.0015	0.0010	0.00240	0.001000
Aluminium Antimony	mg/L mg/L	0.005	0.0010	0.001	0.003		0.010	0.008	0.0058	0.0359 0.0245 0.00020 0.00010	0.0032	0.005400		0.0064 0.00010	0.0366	0.0124		0.005700		0.0394	0.0269	0.0183	0.0040	0.007200
Antimony	mg/L	0.001	0.00010	0.0001	0.0001		0.001	0.001	0.00010	0.00020 0.00010 0.00010 0.00015	0.0001	0.000100		0.00010	0.00010	0.00010		0.000100		0.00010	0.00010	0.00010	0.0001	0.000100
Barium	mg/L	0.01	0.000050	0.00005	0.00005		0.01	0.01	0.00962	0.00620 0.00871	0.01250	0.005910			0.00386	0.00434		0.003380		0.00495	0.00403	0.00456	0.00512	0.003790
Beryllium Bismuth	mg/L mg/L		0.00050	0.0005	0.0005				0.00050	0.00050 0.00050 0.00050 0.00050	0.0005	0.000500		0.00050	0.00050	0.00050		0.000500		0.00050	0.00050	0.00050	0.0005	0.000500
Boron	mg/L	0.01	0.010	0.01	0.01		0.01	0.01	0.010	0.010 0.010	0.01	0.010000		0.010	0.010	0.010		0.010000		0.010	0.010	0.010	0.010	0.010000
Cadmium	mg/L	0.0001	0.000017	0.000017	0.00001		0.0001	0.0001	0.000074	0.000017 0.000017	0.00001	0.000010			0.000022	0.000017		0.000010	- 0	0.000017	0.000017	0.000017	0.00001	0.000010
Calcium Chromium	mg/L mg/L	0.001	0.050	0.05	0.005		0.001	0.001	19.7 0.00050	13.0 19.7 0.00050 0.00050	29.7 0.0005	13.5		8.14 0.00050	7.11 0.00050	8.37 0.00050		6.63 0.000500		8.10 0.00050	7.15 0.00050	8.76 0.00050	10.3 0.0005	7.17
Cobalt	mg/L	0.0002	0.00010	0.0001	0.0001		0.0002	0.0002	0.00010	0.00010 0.00010	0.0001	0.000100		0.00010	0.00010	0.00010		0.000100		0.00010	0.00010	0.00010	0.0001	0.000100
Copper	mg/L	0.001	0.00010	0.0001	0.0005		0.001	0.001	0.00114	0.00163 0.00270 0.038 0.054	0.00138	0.000950		0.00068	0.00085	0.00139		0.000700		0.00076	0.00073	0.00084	0.00103	0.000850
Iron Lead	mg/L mg/L	0.03	0.000050	0.003	0.003		0.001	0.03	0.000050	0.038 0.054 0.000112 0.000059	0.00005	0.030000			0.055	0.000062		0.030000		0.049	0.0033	0.000050	0.00005	0.030000
Lithium	mg/L		0.0050	0.005	0.005				0.0050	0.0050 0.0050	0.005	0.005000		0.0050	0.0050	0.0050		0.005000		0.0050	0.0050	0.0050	0.0050	0.005000
Magnesium Manganese	mg/L mg/L	0.01	0.10	0.1	0.1		5	9	12.1	7.50 11.4 0.00214 0.00389	15.3	7.83 0.003540		4.71 0.000325	3.91 0.00211	4.50 0.000815		3.72 0.000248		4.69 0.00281	3.82 0.000957	4.54 0.000761	5.67 0.00024	3.84 0.000299
Mercury	mg/L		0.000050	0.00003	0.00003				0.000050	0.000050 0.000050	0.00001	0.000010		0.000050	0.000050	0.000050		0.000010		0.000050	0.000050	0.000050	0.00001	0.000010
Molybdenum	mg/L	0.005		0.00005	0.00005		0.005	0.005	0.000270	0.000149 0.000229	0.000346	0.000148			0.000098	0.000114		0.000096		0.000130	0.000106		0.000151	0.000117
Nickel Phosphorus	mg/L mg/L	0.005	0.00050	0.0005	0.0005		0.005	0.005	0.00089	0.00093 0.00081 0.30 0.30	0.00072	0.000500		0.00050	0.00064	0.00050		0.000500		0.00058	0.00061	0.00050	0.00052	0.000500
Potassium	mg/L	0.01	2.0	0.05	0.05		0.48	0.77	2.0	2.0 2.0	1.27	0.644		2.0	2.0	2.0		0.420		2.0	2.0	2.0	0.689	0.464
Selenium	mg/L	0.001	0.0010	0.001	0.001		0.001	0.001	0.0010	0.0010 0.0010	0.001	0.001000		0.0010	0.0010	0.0010		0.001000		0.0010	0.0010	0.0010	0.001	0.001000
Silicon Silver	mg/L mg/L	0.0001	0.050	0.005	0.005		0.0001	0.0001	1.08 0.000010	0.688 0.869 0.000010 0.000010	1.190 0.00001	0.784000		0.469	0.450	0.416		0.391000		0.542	0.463	0.426	0.445	0.447000
Sodium	mg/L	0.05	2.0	0.05	0.0012		0.53	1.21	2.0	2.0 2.1	3.34	0.967		2.0	2.0	2.0		0.608		2.0	2.0	2.0	1.30	0.663
Strontium	mg/L	0.001	0.00010	0.0001	0.0001		0.006	0.010	0.0123	0.00822 0.0111	0.01720	0.007620		0.00807	0.00691	0.00757		0.005290		0.00867	0.00765	0.00933	0.01170	0.006620
Thallium Tin	mg/L mg/L	0.01	0.00010	0.0001	0.0001		0.01	0.01	0.00010	0.00010 0.00010 0.00010 0.00010	0.0001	0.000100		0.00010	0.00010	0.00010		0.000100		0.00010	0.00010	0.00010	0.0001	0.000100
Titanium	mg/L	-	0.010	0.01	0.01				0.010	0.010 0.010	0.010	0.010000		0.010	0.010	0.010		0.010000		0.010	0.010	0.010	0.010	0.010000
Uranium Vanadium	mg/L	0.004	0.000010	0.00001	0.00001		0.001	0.004	0.00204	0.00106 0.00235	0.003290	0.000948			0.000403	0.000550		0.000348		0.000589	0.000416	0.000647 0.0010	0.000774	0.000426
Zinc	mg/L	0.01	0.0010	0.001	0.001		0.001	0.001	0.0010	0.0010 0.0016 0.0057 0.0016	0.0019	0.002200		0.0010	0.0027	0.0010		0.001000		0.0012	0.0010	0.0010	0.001	0.001000
1/02/00181/30/A/Report/Report 5, Rev A - Aquatic Pro	ogram Summary Report\Tal	oles\(Table 3.4_Lak	keStats_Updated.xls	Mary Lake						3.0010		,,00							· · ·					



TABLE 3.7 FINLAND IRON MINES CORPORATION

SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT LAKE WATER QUALITY SUMMARY DATA AND STATISTICS

Mary Lake Botton BL0-05-B BL0-5-BL0-05-B BL0-05-D BL0-0-5-B4 D BL0-06-B BL0-06-B BL0-06-B BL0-5-B Mean Standard 2011 31-Jul-06 05-Sep-06 08-May-07 14-Aug-07 13-Sep-07 18-Sep-07 06-Aug-08 26-Jul-11 26-Jul-11 14-Aug-07 18-Sep-07 05-Aug-08 5.90 6.27 1.8 7.6 5.54 5.67 8.4 100% Specific Conductance mS/cm 0.046 0.077 0.080 0.062 0.080 0.077 0.069 0.069 0.064 0.078 0.076 50 0.089 0.035 50 100% 3.75 mg/L 9.5 10.55 9.82 7.75 10.26 12.73 10.99 12.75 11.36 46 11.60 2.83 46 100% Dissolved Oxygen 6.5-9.0 7.52 6.71 6.77 8.02 6.75 30 7.65 0.56 30 100% 100% 20.0 17.5 11.0 8.5 27 7.7 7.8 27 100% (m) Measured Depth (m) Total Depth - May Samples Only 23.00 18.85 5.42 8 100% 8 1.60 1.60 100% Ice Thickness -May Samples Only 0.20 0.00 0.05 0.09 100% Snow Depth - May Samples Only 0.40 8 0.39 0.10 8 100% 18.4 11.9 20.8 17 9.4 8.7 8.8 Water Depth 21.40 40 15.41 4.91 40 100% m 1.35 8.7 1.54 33 NTU 1.75 8.4 34 2.71 2.89 97% Turbidity 0 Secchi Disk Depth 1.43 1.43 3.15 3.4 2.5 3.6 3.1 38 95% 2.62 1.08 36 8.15 71 100% Conductivity 84 91 71 90 69 48 103.92 48.74 48 Turbidity NTU 0.1 0.1 0.1 0.1 2.3 3.5 0.5 1.1 0.7 2.8 1.40 1.30 1.55 1.63 46 100% 46 mg/L as CaCO 0.5 37 0.5 0.5 25 42.1 33.8 33.7 32.90 32.60 51.06 48 100% 33 55 59.38 23.56 8 100% Total dissolved Solids (TDS) mg/L 8 TDS (COND - CALC) mg/L 5 5 59 46 59 45 46.00 46.00 40 69.28 32.98 40 100% Total Suspended Solids (TSS) mg/L 2 2 40 2.78 3.15 38 95% 46 32 ng/L as CaCC 25 39 42 32 36.00 36.00 48 49.79 23.66 48 100% Bromide (Br') mg/L 0.05 0.05 0.05 0.25 48 0.18 0.10 48 100% Chloride (Cl⁻) mg/L 2 2.00 2.00 48 3.02 1.55 35 73% Sulphate (SO₄²⁻) mg/L 3 2 3 1.00 1.00 48 2.19 1.21 32 67% Ammonia (NH₃+NH₄) mg N/L 0.02 0.02 0.02 0.02 0.021-231 0.04 0.02 0.02 0.21 0.03 0.03 48 0.06 0.08 48 100% 0.04 0.002 mg N/L 0.005 0.005 0.100 0.009 0.002 48 0.012 100% Nitrite (NO₂) 0.005 0.100 0.100 0.1 0.10 48 100% Nitrate (NO₃) 0.10 0.1 0.1 13 48 0.10 0.00 mg N/L 0.10 NO₂+NO₃ 0.1 0.10 0.1 0.1 0.10 48 0.10 0.00 48 100% mg N/L 0.003 0.003 0.02 0.003 0.007 100% Total Phosphorus mg/L 0.01 0.003 0.005 0.009 48 0.006 0.005 48 1.5 0.5 0.5 0.5 1.5 1.5 1.4 1.60 40 1.65 0.30 40 100% mg/L 1.60 Total Organic Carbon (TOC) Dissolved Organic Carbon 0.5 0.5 0.5 1.5 1.6 1.5 1.2 1.50 1.50 40 1.57 0.21 40 100% mg/L 0.05 0.32 0.14 0.11 40 0.17 0.10 40 100% 0.1 0.1 mg/L mg/L 0.001 0.001 0.001 0.001 0.004 0.001 0.001 48 0.001 0.000 48 100% mg/L 0.005 0.0010 0.001 0.003 0.005-0.1 0.0143 0.0378 0.104000 0.061 0.0673 48 0.052958 0.043159 100% 0.094 0.109 0.0323 0.00010 0.0001 0.0001 40 0.0001000 100% mg/L 0.005 0.001 0.00010 0.0001 0.0001 48 0.000256 0.000339 48 100% mg/L Barium mg/L 0.01 0.000050 0.00005 0.00005 0.00469 0.00390 0.00486 0.004460 0.00406 0.00399 48 0.006337 0.002652 48 100% Beryllium mg/L 0.00050 0.0005 0.0005 40 0.000500 0.000000 40 100% 0.00050 0.0005 0.0005 0.00050 0.00050 0.000500 0.0005 40 0.000500 0.000000 40 100% Bismuth mg/L 0.00050 0.00 0.01 0.010 0.01 0.01 0.010000 0.000000 48 100% 48 mg/L Cadmium mg/L 0.0001 0.000017 0.000017 0.00001 0.000029 0.000017 0.00001 48 0.000034 0.000044 48 100% Calcium mg/L 0.050 0.05 0.05 8 8.61 7.20 8.95 7.19 6.69 6.63 48 10.51 4.92 48 100% 0.001 0.0005 Chromium mg/L 0.00050 0.0005 0.0047 48 0.000583 0.000188 48 100% 0.00010 0.0001 0.00010 0.000117 100% Cobalt 0.0002 0.0001 0.0002 0.00010 0.00010 0.0001 48 0.000038 48 mg/L 0.0002 0.000100 0.001 0.00010 0.0001 0.0005 0.00065 0.00067 0.00063 0.001059 0.000633 48 100% 48 mg/L 0.03 0.030 0.03 0.03 0.3 0.09 0.11 0.030 0.052 0.037 0.121000 0.06 0.06 48 0.069292 0.047092 48 100% mg/L Lead mg/L 0.001 0.000050 0.00005 0.00005 0.001 0.000051 0.000086 0.000120 0.00006 0.00005 48 0.000225 0.000351 48 100% 40 Lithium mg/L 0.0050 0.005 0.005 40 0.005000 0.000000 100% 4.98 3.70 3.94 3.89 5.94 0.10 0.1 0.1 3 5 3.87 4.72 48 3.05 46 96% Magnesium mg/L 0.01 0.000050 0.00005 0.00005 0.00404 0.00149 0.00136 0.003060 0.00261 0.00238 48 0.003493 48 100% mg/L mg/L 0.0001 0.000050 0.00001 0.00001 0.000026 48 0.000045 0.000031 48 100% Molybdenum mg/L 0.005 0.000050 0.00005 0.00005 0.073 0.000123 0.000097 0.000138 0.000118 0.000122 0.00012 48 0.000959 0.001827 48 100% 48 Nickel mg/L 0.005 0.00050 0.0005 0.0005 0.083 0.00052 0.000510 48 0.001292 0.001678 100% 0.30 0.003 0.30 100% 0.003 0.30 0.30 24 0.30 0.00 24 Phosphorus mg/L 0.01 2.0 0.05 0.05 0.39 48 1.315 0.709 48 100% mg/L mg/L 0.001 0.0010 0.001 0.001 0.001 0.0010 48 0.001000 0.000000 48 100% Silicon mg/L 0.050 0.05 0.05 0.558 0.484 0.459 0.605000 0.56 0.56 40 0.620500 0.220314 40 100% 0.0001 Silver mg/L 0.000010 0.00001 0.000001 0.0001 48 0.000024 0.000034 48 100% 2.0 Sodium mg/L 0.05 2.0 0.05 0.0012 0.36 0.75 2.0 0.664 0.954 0.938 48 1.557 0.784 48 100% Strontium 0.00010 0.0001 0.0001 0.007 0.011 0.00870 0.00761 0.01040 0.006820 0.00566 0.00563 0.008997 0.002692 48 100% 0.001 48 mg/L Thallium mg/L 0.00010 0.0001 0.0001 0.0008 40 0.000100 0.000000 40 100% Tin mg/L 0.01 0.00010 0.0001 0.0001 0.00017 0.000600 48 0.002001 0.003661 48 100% Titanium mg/L 0.010 0.01 0.01 40 0.010000 0.000000 40 100% 0.000010 0.00001 0.00001 0.015 0.000542 0.000419 0.000746 0.000480 0.000501 0.0005 40 0.000915 0.000738 40 100% Uranium mg/L 0.0010 0.001 0.001 0.006 0.001079 0.000387 48 100% 48 mg/L mg/L 0.01 0.0010 0.001 0.003 0.03 0.0010 48 0.002827 0.003307 48 100% mg/L 0.005 0.0010 0.001 0.003 0.009 0.0086 0.0541 0.0169 0.009300 0.0042 0.0049 48 0.013208 0.011130 100% 0.012 mg/L 0.00010 0.0001 0.0001 0.00023 0.000127 100% 0.00010 0.0001 0.0001 0.000255 0.000338 100% 48 Barium mg/L 0.01 0.000050 0.00005 0.00005 0.00477 0.00386 0.00457 0.003830 0.00359 0.00357 48 0.006177 0.002719 48 100% Beryllium mg/L 0.00050 0.0005 0.0005 0.00050 40 0.000500 0.000000 40 100% 0.00050 0.0005 0.0005 0.00050 0.00050 0.0005 0.000500 0.000000 100% Bismuth mg/L 0.00050 0.000500 0.00 40 40 0.01 0.010 0.010 0.01 mg/L 0.010 0.01 0.01 0.010000 100% 0.000017 0.000017 0.00001 0.000030 100% 48 Calcium mg/L 0.050 0.05 0.05 5 8 8.61 7.20 8.84 7.13 6.60 6.61 48 10.59 5.36 48 100% Chromium mg/L 0.001 0.00050 0.0005 0.0005 0.001 0.00 48 0.000583 0.000188 48 100% Cobalt 0.0002 0.00010 0.0001 0.0001 0.00010 0.00010 0.000100 0.0001 0.000117 0.000038 48 100% mg/L 0.0002 0.0002 0.00010 0.00 48 mg/L 0.001 0.00010 0.0001 0.0005 0.00060 0.000660 0.0005 0.001007 100% 0.03 0.030 0.03 0.03 0.062 48 0.032729 0.007246 48 100% Lead mg/L 0.001 0.000050 0.00005 0.00005 0.000075 48 0.000220 0.000356 48 100% Lithium mg/L 0.0050 0.005 0.005 0.0050 40 0.005000 0.000000 40 100% 0.10 0.1 0.1 3 4.99 3.85 4.73 3.86 3.90 3.88 5.96 3.08 mg/L 4 48 46 96% Magnesium mg/L 0.01 0.000050 0.00005 0.00005 0.00132 0.000408 0.002558 0.000050 0.00001 0.00001 0.000034 0.000020 100% 40 40 Molybdenum mg/L 0.005 0.000050 0.00005 0.00005 0.000124 0.000093 0.000167 0.000115 0.000111 0.000114 48 0.000962 0.001826 48 100% Nickel mg/L 0.005 0.00050 0.0005 0.0005 0.005 0.00050 0.00056 0.00050 0.000500 0.0005 48 0.001304 0.001674 48 100% 0.0 24 0.30 0.003 0.30 0.30 24 0.3 Phosphorus mg/L 0.05 0.36 0.52 2.0 2.0 48 1.302 0.724 48 100% 0.001000 0.000000 48 0.571200 0.228823 40 0.000024 0.000034 48 0.001 0.001 0.0010 0.001 0.0010 0.0010 48 100% mg/L Silicon mg/L 0.050 0.05 0.05 0.543 0.484 0.429 0.442000 0.44 0.43 40 100% 0.00001 0.0001 0.000010 Silver mg/L 0.000001 0.0001 0.000010 0.000010 48 100% 48 1.520 0.722 48 48 0.008870 0.002603 48 0.0012 Sodium mg/L 0.05 2.0 0.05 0.39 0.63 2.0 2.0 2.0 0.672 0.911 0.90 100% 0.0001 0.006810 0.00542 Strontium mg/L 0.001 0.00010 0.007 0.011 0.00898 0.00743 0.00983 0.00538 0.0001 40 0.000100 0.000000 40 48 0.002159 0.003596 48 40 0.010000 0.000000 40 Thallium 0.00010 0.0001 100% mg/L Tin mg/L 0.01 0.00010 0.0001 0.00028 0.00010 0.000930 0.0001 100% 100% Titanium mg/L 0.010 0.01 0.01 0.010 0.010000 0.01 40 0.000903 0.000759 40 100% 48 0.001044 0.000218 48 100% 0.000010 0.00001 0.00001 0.000551 0.000400 0.000681 0.000438 0.000484 0.000484 100% Uranium mg/L Vanadium mg/L 0.0010 0.001 0.001 0.0010



TABLE 3.7

BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT LAKE WATER QUALITY SUMMARY DATA AND STATISTICS

ceiving Water Quality Guideline JL0-01-S JLO-01(SA) JL0-01-S JL0-01-S JLO-01(S) JL0-01-S JL0-02-S JL0-02-S JL0-02-S JLO-02(S) JL0-02-S JL0-09-S 02-Aug-06 07-Sep-06 06-May-07 17-Sep.07 11-May-08 30-Jul-08 26-Jul-11 0.092 0.097 0.118 0.101 0.100 0.121 0.128 0.112 0.100 0.122 0.128 0.116 Specific Conductance mS/cm 10.93 12.02 12.04 Dissolved Oxygen mg/L 9.5 10.90 19.00 11.12 11.30 18.54 12.07 11.80 18.95 6.5-9.0 8.08 6.93 8.13 7.98 7.73 7.87 7.77 pН 8.23 Wetted Width m Average Depth (m) (m) m3/s 1.0 1.0 1.0 1.0 Total Depth - May Samples Only 17.10 13.00 17.40 m 2.10 1.80 1.90 Ice Thickness -May Samples Only Airspace - May Samples Only 0.15 0.25 0.05 m Snow Depth - May Samples Only 0.25 0.02 0.25 15.15 16.8 18.9 17.5 10.65 11.5 13.4 12.6 15.45 Water Depth m Turbidity NTU 0 0.98 0.49 1.4 0 1.53 0.49 0.9 0 Secchi Disk Depth m 7.8 6.84 5.35 5.6 6.1 5.1 6.0 6.0 Seneral Parameters and Nutrients 6.5-9.0 7.23 6.86 7.91 6.84 6.86 7.07 7.11 6.86 8.24 8.05 7.94 7.89 8.07 8.04 Conductivity μS/cm 93 103 130 106 112 134 107 129.00 121 108 112 109 124.00 122 Turbidity NTU 0.1 0.1 0.1 0.1 1.3 0.3 0.6 0.3 0.4 0.5 0.30 0.1 0.7 0.4 0.7 0.30 0.1 mg/L as CaCC 0.5 0.5 0.5 50 50 67.1 54.7 55.7 68.3 54.5 64.20 62.1 55.3 55.2 55.8 63.40 60.8 Total dissolved Solids (TDS) 61 67 mg/L TDS (COND - CALC) 85 69 73 87 84.00 79 73 81.00 79 mg/L Total Suspended Solids (TSS) mg/L 2 50 Alkalinity mg/L as CaCC 5 5 5 53 69 53 56 66 55 68.00 65 54 56 55 67.00 63 mg/L 0.05 0.25 Bromide (Br') Chloride (Cl⁻) mg/L 2 Sulphate (SO₄²) mg/L 1 1 3 3 1 3 1 Ammonia (NH₃+NH₄) 0.02 0.02 0.02 0.02 0.021-231 0.04 0.06 0.02 0.03 0.02 mg N/L 0.02 0.02 0.02 Nitrite (NO₂⁻) mg N/L 0.005 0.002 0.005 0.100 0.06 0.005 0.012 0.002 0.005 0.002 0.1 0.10 0.1 0.1 Nitrate (NO₃⁻) mg N/L 0.10 0.10 NO₂+NO₃ mg N/L 0.1 0.10 0.1 0.1 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.01 0.003 0.003 0.003 0.005 0.003 0.007 0.007 0.003 0.015 0.005 0.004 Total Organic Carbon (TOC) mg/L 0.5 0.5 0.5 2.0 2.1 1.8 1.9 1.7 2.20 2.1 2.2 1.8 1.8 2.10 2.0 Dissolved Organic Carbon mg/L 0.5 0.5 0.5 2.0 2.1 1.8 1.7 1.6 2.00 2.1 2.1 1.9 1.6 2.00 2.0 0.05 0.1 0.1 0.12 0.11 0.35 0.26 0.10 0.20 0.10 0.10 0.1 0.45 0.05 Total Kjeldahl Nitrogen (TKN) mg/L 0.10 mg/L 0.001 0.001 0.001 0.001 0.001 0.001 0.001 otal Metals and Non-Metals 0.0001 0.00010 0.0001 0.001 0.00010 0.0001 0.0001 mg/L 0.00458 0.00631 0.000050 0.00005 0.00005 0.00606 0.00489 0.00492 0.00551 0.00453 0.00564 Barium 0.01 0.0058 0.00503 0.00495 mg/L 0.0005 0.0005 Beryllium 0.00050 0.00050 0.0005 0.00050 0.0005 mg/L Bismuth mg/L 0.00050 0.0005 0.0005 0.00050 0.00050 0.00050 0.0005 0.00050 0.00050 0.00050 0.0005 Boron mg/L 0.01 0.010 0.01 0.01 1.5 0.01000 0.010 0.01000 Cadmium mg/L 0.0001 0.000017 0.000017 0.00001 0.000029 0.0001 0.000017 0.000017 0.000017 0.00001 0.00001 0.00001 0.000017 0.000017 0.000017 0.00001 0.00001 0.000017 Calcium mg/L 0.050 0.05 0.05 10 10 13.1 11.0 11.1 13.0 10.9 12.90 12.0 11.3 12.0 11.0 12.70 12.0 0.001 0.00050 0.0005 0.0005 0.0005 mg/L 0.0047 0.00050 0.00050 0.00050 0.00050 mg/L 0.00010 0.0001 0.001 0.00010 0.0005 0.002 0.00108 0.00097 0.00072 0.00185 0.00324 0.00094 0.00096 0.00093 0.00076 0.00104 0.0009 0.00108 0.0001 0.001 Copper mg/L 0.030 0.03 0.030 0.037 0.030 0.03 0.03 0.030 0.03 0.03 0.3 0.03 0.03 0.030 0.030 0.03000 0.04400 0.03000 0.030 Iron mg/L 0.001 0.000050 0.00005 0.00005 0.001 0.000362 0.000064 0.00006 0.000050 0.000077 0.00005 0.00005 0.000050 Lead mg/L 0.001 0.001 0.000050 0.000050 Lithium mg/L 0.0050 0.005 0.005 0.0050 0.0050 0.00500 0.00500 0.005 0.0050 0.0050 0.0050 0.00500 0.005 0.0050 Magnesium mg/L 0.10 0.1 0.1 6 8.12 6.52 6.73 8.02 6.65 7.76 7.50 6.71 6.87 6.83 7.68 7.44 mg/L 0.01 0.000050 0.00005 0.00005 0.00103 0.0020 0.00123 0.00091 0.00168 0.00205 0.000738 0.0025 0.00125 0.00038 0.00216 0.000814 Manganese 0.00001 0.0001 0.000050 mg/L 0.005 0.000050 0.00005 0.00005 0.073 0.005 0.000217 0.000145 0.000157 0.00022 0.000164 0.000242 0.000198 0.000143 0.000145 0.000178 0.000229 0.00054 0.00081 0.00067 0.00067 0.00060 0.00068 0.00068 0.005 0.00050 0.0005 0.0005 0.083 0.00071 0.00071 0.00066 0.00073 0.00055 Nickel mg/L Phosphorus mg/L 0.30 0.003 0.003 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.965 0.716 mg/L 2.0 0.05 0.05 0.59 0.67 0.726 0.935 0.896 0.001 0.0010 0.001 0.001 0.001 0.001 0.0010 0.0010 0.0010 0.00100 0.00100 0.001 0.0010 0.0010 0.0010 0.00100 0.001 0.0010 Selenium mg/L 0.001 Silicon mg/L 0.050 0.05 0.05 0.510 0.486 0.462 0.54400 0.39800 0.46 0.489 0.523 0.571 0.38900 0.45 0.468 Silver mg/L 0.0001 0.000010 0.00001 0.000001 0.0001 0.0001 mg/L 0.05 2.0 0.05 0.0012 0.47 0.65 1.10 0.658 0.998 0.810 0.974 Sodium Strontium 0.00010 0.0001 0.006 0.00709 0.00586 0.00521 0.00763 0.00654 0.00584 0.00530 0.00853 0.00652 Thallium mg/L 0.00010 0.0001 0.0001 mg/L 0.01 0.00010 0.0001 0.0001 0.00258 0.00218 0.00021 0.00157 0.00202 Titanium 0.010 0.01 0.01 mg/L Uranium mg/L 0.000010 0.00001 0.00001 0.015 0.000442 0.000358 0.000337 0.000480 0.000374 0.000554 0.000415 0.000368 0.000335 0.000383 0.000553 0.000400 Vanadium mg/L 0.001 0.0010 0.001 0.001 0.006 Zinc mg/L 0.01 0.0010 0.001 0.003 0.03 0.0016 0.0038 0.0010 0.0016 0.003 0.0010 mg/L 0.003 0.005 0.0010 0.001 0.0022 0.0046 0.0018 0.0012 0.0104 0.0119 0.0133 0.0170 0.0011 mg/L 0.00010 0.0001 0.0001 0.00022 Arsenic mg/L 0.001 0.00010 0.0001 0.0001 Barium mg/L 0.01 0.000050 0.00005 0.00005 0.01 0.00630 0.00497 0.00474 0.00493 0.0049 0.00568 0.00559 0.00519 0.00475 0.00508 0.00558 0.00570 Bervllium 0.00050 0.0005 0.0005 0.00050 mg/L 0.00050 0.0005 0.0005 0.0005 0.00050 0.001 Bismuth mg/L 0.00050 0.00050 0.001 0.0005 0.0005 mg/L 0.010 0.0001 0.000017 0.000017 0.00001 0.0001 0.0001 0.000017 0.000017 0.000017 0.00001 0.00001 0.00001 0.000017 0.000017 0.000017 0.00001 0.00001 0.000092 Cadmium mg/L 11.2 11 Calcium mg/L 0.050 0.05 0.05 10 10 13.3 11.1 11.3 13.6 10.9 12.70 12.2 11.1 12.50 12.0 0.001 0.00050 0.0005 0.00050 0.001 0.0005 0.00050 0.00050 0.001 0.0005 Chromium mg/L 0.0005 0.001 0.001 0.00050 0.00050 0.0005 0.00050 Cobalt mg/L 0.0002 0.00010 0.0001 0.0001 0.0002 0.0002 0.00010 0.00010 0.00010 0.0001 0.000 0.0001 0.00010 0.00010 0.00010 0.000 0.0001 0.00010 mg/L 0.001 0.00010 0.0001 0.0005 0.00108 0.00088 0.00089 0.00217 0.00102 0.0008 0.00097 0.00112 0.00092 0.00165 0.0008 0.00092 0.03 0.030 0.03 0.030 0.030 0.030 0.030 0.03 0.03 0.03 0.030 0.030 0.030 0.030 0.030 0.000304 0.000050 0.001 0.000050 0.000050 0.00015 0.000 0.00005 0.000 0.00005 0.00005 0.0050 0.0050 0.005 0.005 0.005 0.0050 0.005 0.005 Lithium mg/L 0.0050 0.005 0.005 0.0050 0.0050 0.0050 0.0050 6 6.69 8.34 7.55 7.67 6.62 6.67 8.23 6.57 Magnesium 0.10 0.1 0.1 mg/L
 0.00116
 0.00202
 0.000940
 0.00078
 0.000369
 0.000164
 0.000642
 0.00109
 0.001470
 0.00168
 0.000133
 0.000536
 0.00005 Manganese 0.01 0.000050 0.00005 0.01 0.01 mg/L Mercury mg/L 0.000050 0.00001 0.00001 0.005 0.000050 0.005 <u>0.005</u> 0.000221 0.000154 0.000156 0.00026 0.000177 0.000212 0.000235 0.000281 0.000153 0.000178 0.00019 0.000205 Molybdenum mg/L 0.00005 0.00005 0.00069 Nickel mg/L 0.005 0.00050 0.0005 0.0005 0.00080 0.00065 0.0006 0.0006 0.00063 0.00070 0.00060 0.00068 0.00123 0.00071 Phosphorus mg/L 0.30 0.003 0.30 0.30 0.30 0.30 0.30 0.01 2.0 0.05 0.05 0.58 0.69 0.798 0.728 0.883 2.0 0.74 0.852 Potassium mg/L 2.0 2.0 2.0 0.001 0.0010 0.001 mg/L 0.050 0.530 0.495 0.454 0.50000 0.43 Silicon 0.05 0.05 0.374 0.43 0.487 0.484 0.469 0.470 mg/L 0.432 Silver mg/L 0.0001 0.000010 0.00001 0.000001 2.0 2.0 2.0 1.28 2.0 2.0 2.0 1.03 2.0 Sodium mg/L 0.05 2.0 0.05 0.0012 0.44 0.65 0.744 0.95 0.655 Strontium mg/L 0.001 0.00010 0.0001 0.0001 0.006 0.006 0.00730 0.00597 0.00525 0.00693 0.00592 0.00837 0.00654 0.00611 0.00523 0.00596 0.00855 0.00664 Thallium mg/L 0.00010 0.0001 0.0001 0.0001 0.00010 0.000 0.00010 0.0001 0.00510 0.00242 0.00076 0.00011 0.00104 mg/L 0.01 0.0001 0.010 0.000339 0.000403 0.000394 0.000565 0.000406 0.000378 0.000345 0.000394 0.000591 0.000409 Uranium mg/L 0.000010 0.00001 0.00001 0.000450 0.000357 Vanadium 0.001 0.0010 0.001 0.001 0.0010 0.0010 0.001 0.0010 0.0010 0.001 mg/L Zinc 30/A\Reco 0.001 0.0015 0.00500 0.0013 0.0028 0.0041 **0.001** mg/L 0.01 0.0010 0.003



BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

SURFACE WATER AND SEDIMENT QUALITY BASELINE REPO

Detection Limit Detection Limit JL0-01-D JL0-01-D JL0-01-D JLO-01(BA) JLO-01(B) JL0-09-S JL0-01-D JL0-02-D JL0-09-S JLO-09(S) JL0-01-D JL0-01-D 06-May-07 0.101 0.100 0.121 0.097 0.114 0.101 0.121 0.101 0.121 Specific Conductance mS/cm 11.75 11.93 10.54 Dissolved Oxygen mg/L 10.71 16.91 4.32 12.14 14.56 7.79 7.82 6.96 7.35 pН Wetted Width m Average Depth (m) (m) 16 Flow Rate m3/s 14.0 16.0 10.0 1.0 17.10 13.00 m 1.80 2.10 Ice Thickness -May Samples Only Airspace - May Samples Only 0.15 0.25 m 0.02 Snow Depth - May Samples Only 0.25 12.8 15.15 17.5 10.65 Water Depth m 18.6 15.9 16.8 18.9 Turbidity NTU 1.15 0.49 79.8 0.9 0 Secchi Disk Depth m 5.1 5.9 5.3 7.8 6.84 5.35 5.6 6.1 General Parameters and Nutrients 8.30 7.9 8.02 7.9 6.83 8.01 7.04 6.84 8.30 7.95 Conductivity μS/cm 108 112 108 103 119 106 112 132 109 129.00 122 Turbidity NTU 0.1 0.1 0.1 0.1 0.6 0.3 0.5 0.1 0.5 0.4 0.4 1 0.40 0.2 mg/L as CaC0 0.5 0.5 0.5 54.7 55.6 54.7 50 60.1 54.1 55.2 67.8 63.80 61.3 Total dissolved Solids (TDS) 67 mg/L TDS (COND - CALC) 5 73 73 84.00 79 mg/L 69 Total Suspended Solids (TSS) 2.000 mg/L 2 Alkalinity mg/L as CaC0 5 5 5 54 56 55 52 62 53 55 66 55 67.00 65 mg/L 0.05 0.05 0.05 0.25 0.25 Bromide (Br⁻) Chloride (Cl⁻) 1 3 mg/L Sulphate (SO₄²-) mg/L 1 1 2 2 3 1 mg N/L 0.02 0.02 0.02 0.02 0.06 0.03 0.02 0.02 0.02 Nitrite (NO₂-) mg N/L 0.005 0.002 0.005 0.100 0.002 0.012 0.002 0.005 Nitrate (NO₃⁻) 0.1 0.10 0.1 0.1 mg N/L NO₂+NO₃ mg N/L 0.1 0.10 0.1 0.1 0.10 0.10 0.10 0.10 0.10 0.10 0.01 0.003 0.003 0.003 0.007 0.008 0.003 0.003 0.004 0.005 Total Organic Carbon (TOC) mg/L 0.5 0.5 0.5 2.1 1.9 1.9 1.9 2.0 1.9 1.7 2 2.10 1.9 Dissolved Organic Carbon mg/L 0.5 0.5 0.5 2.0 1.7 1.8 1.9 2.0 1.8 1.6 1.8 1.90 1.9 Total Kjeldahl Nitrogen (TKN) mg/L 0.05 0.1 0.1 0.10 0.11 0.05 0.10 0.10 0.28 0.10 0.20 0.24 Phenois mg/L 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 Total Metals and Non-Metals 0.00010 0.00018 Antimony mg/L 0.0001 0.0001 mg/L 0.001 0.00010 0.0001 0.00559 0.000050 0.00005 0.00005 0.00443 0.00507 0.00490 0.00470 0.00614 0.00542 0.00554 Barium mg/L 0.01 0.00496 0.0056 0.00050 0.0005 Beryllium mg/L 0.0005 0.00050 0.00050 0.00050 0.0005 Bismuth mg/L 0.00050 0.0005 0.0005 0.00050 0.00050 0.00050 0.00050 0.0005 0.00050 Boron mg/L 0.01 0.010 0.01 0.01 0.010 0.010 0.01 Cadmium mg/L 0.0001 0.000017 0.000017 0.00001 0.000017 0.000017 0.00001 0.0001 0.000017 0.000017 0.000017 0.00001 0.000013 0.00001 0.000017 Calcium mg/L 1 0.050 0.05 0.05 11.0 11.2 10.9 9 11.9 11.0 11.2 12.9 11.0 12.80 12.1 0.001 0.00050 0.0005 0.0005 0.00050 0.00050 0.001 0.00050 0.0005 mg/L 0.00050 0.00050 mg/L 0.001 0.00010 0.0001 0.0005 0.00109 0.00077 0.00101 0.001 0.00092 0.00089 0.00075 0.00144 0.01310 0.00092 0.00098 Copper mg/L 0.030 0.03000 0.03 0.030 0.030 0.03000 0.03 mg/L 0.03 0.030 0.03 0.03 0.030 0.030 0.05700 0.030 Iron 0.001 0.000050 0.00005 0.000083 0.000050 0.00005 0.001 0.000050 0.00017 0.00022 0.000050 Lead mg/L 0.00005 0.000050 Lithium mg/L 0.0050 0.005 0.005 0.0050 0.0050 0.00500 0.0050 0.0050 0.0050 0.00500 0.00500 0.005 0.0050 Magnesium mg/L 0.10 0.1 0.1 6.55 6.74 6.73 6 7.45 6.52 6.65 7.90 6.97 7.73 7.57 Manganese mg/L 0.01 0.000050 0.00005 0.00005 0.0012 0.00129 0.00174 0.01 0.000939 0.0021 0.00130 0.00082 0.00269 0.00196 0.000772 0.0001 Molybdenum mg/L 0.005 0.000050 0.00005 0.00005 0.000165 0.000162 0.000164 0.005 0.000198 0.000164 0.000151 0.00018 0.00018 0.000238 0.000189 0.00072 0.00069 0.00075 0.00056 0.00076 0.00094 0.00081 0.005 0.00050 0.0005 0.0005 0.00069 0.00059 0.00066 Nickel mg/L Phosphorus mg/L 0.30 0.003 0.003 0.30 0.30 0.30 0.30 0.30 0.30 0.753 0.874 0.768 0.887 Potassium mg/L 0.01 2.0 0.05 0.05 0.68 mg/L 0.001 0.0010 0.001 0.001 0.0010 0.0010 0.00100 0.001 0.0010 0.0010 0.0010 0.00100 0.00100 0.001 0.0010 Selenium Silicon mg/L 0.050 0.05 0.05 0.463 0.481 0.40300 0.491 0.483 0.454 0.51300 0.45600 0.46 0.459 Silver mg/L 0.0001 0.000010 0.00001 0.000001 0.0000 0.0001 0.000001 Sodium mg/L 0.05 2.0 0.05 0.0012 0.811 0.67 0.816 0.750 0.965 Strontium 0.00010 0.0001 0.00646 0.00538 0.007 0.00649 0.00586 0.00534 0.00694 0.00621 0.00856 0.00650 mg/L 0.00010 0.0001 0.0001 Tin mg/L 0.01 0.00010 0.0001 0.0001 0.00050 0.00241 0.00065 0.010 Titanium mg/L 0.01 0.01 0.000559 Uranium mg/L 0.000010 0.00001 0.00001 0.000342 0.000339 0.000383 0.000403 0.000350 0.000328 0.000461 0.000398 0.000404 Vanadium mg/L 0.001 0.0010 0.001 0.001 Zinc mg/L 0.01 0.0010 0.001 0.003 0.0033 0.0023 0.0010 0.01 0.0010 0.00280 0.003 0.0010 mg/L 0.0010 0.0011 0.0086 0.0053 0.005 0.001 0.003 0.0070 0.0047 0.0018 mg/L 0.00010 0.0001 0.0001 0.00019 0.00026 10.8 Arsenic mg/L 0.001 0.00010 0.0001 0.0001 Barium mg/L 0.01 0.000050 0.00005 0.00005 0.00489 0.00459 0.00491 0.01 0.00544 0.00482 0.00465 0.00601 0.000 0.00559 0.00566 Beryllium mg/L 0.00050 0.0005 0.0005 0.001 0.00109 0.0005 Bismuth 0.00050 0.0005 0.0005 0.001 0.00050 0.030 0.0005 mg/L 0.00050 0.00050 0.0005 0.00050 mg/L 0.0001 0.000017 0.000017 0.00001 0.000017 0.00001 0.0001 0.000023 0.000017 0.000017 0.00001 0.005 0.00001 0.000017 Cadmium mg/L 0.000017 11.1 10.9 11.2 12.1 Calcium mg/L 1 0.050 0.05 0.05 11.1 10 11.9 11.0 13.5 6.74 12.60 0.001 0.00050 0.0005 0.00050 0.00050 0.001 0.00050 0.00050 0.0005 0.000367 0.0005 0.00050 Chromium mg/L 0.0005 0.001 0.00050 Cobalt mg/L 0.0002 0.00010 0.0001 0.0001 0.00010 0.00010 0.0001 0.0002 0.00010 0.00010 0.00010 0.0001 0.000 0.0001 0.00104 0.00078 0.00131 Copper mg/L 0.001 0.00010 0.0001 0.0005 0.00093 0.00099 0.00084 0.00227 0.000169 0.00081 0.00094 0.03 0.030 0.03 0.030 0.030 0.030 0.03 0.030 0.030 0.030 0.03 0.03 0.000050 0.00005 0.0001 0.00006 0.00005 0.005 0.0050 0.0050 0.005 0.005 mg/L 0.0050 0.005 0.005 0.0050 0.0050 0.0050 0.0050 6.68 6.49 8.27 0.10 6.55 6.77 6 7.39 7.56 0.1 0.1 6.60 Magnesium mg/L 0.000050 0.00112 0.001110 0.000428 0.000411 0.000987 0.001130 0.00065 0.374 Manganese mg/L 0.01 0.00005 0.00005 0.01 0.000125 0.000552 Mercury mg/L 0.000050 0.00001 0.00001 0.005 0.000181 0.000158 0.000156 0.005 0.00005 0.000156 0.000149 0.000181 1.05 Molybdenum mg/L 0.000050 0.00005 0.00022 0.000227 0.000207 0.00072 0.00602 Nickel mg/L 0.005 0.00050 0.0005 0.0005 0.00066 0.00057 0.00065 0.00071 0.00067 0.00060 0.0006 0.00071 Phosphorus mg/L 0.30 0.003 0.30 0.30 0.30 0.000 mg/L 0.01 2.0 0.05 0.05 0.745 0.67 2.0 0.948 0.86 Potassium 2.0 0.000 0.001 0.0010 0.001 mg/L 0.452 0.376 0.457 0.48100 0.000387 Silicon 0.050 0.05 0.05 0.458 0.487 0.43 0.477 mg/L 0.458 Silver mg/L 0.0001 0.000010 0.00001 0.000001 2.0 0.859 0.61 2.0 2.0 2.0 0.889 0.019 Sodium mg/L 0.05 2.0 0.05 0.0012 2.0 0.935 2.0 0.00716 0.00602 Strontium mg/L 0.001 0.00010 0.0001 0.0001 0.00618 0.00527 0.00622 0.006 0.00629 0.00594 0.00548 0.00848 0.00671 Thallium 0.00010 0.0001 0.0001 0.00010 0.0001 0.0001 0.00010 0.00409 0.00046 mg/L 0.01 0.0001 0.0001 0.00086 mg/L 0.010 0.01 0.000391 0.000343 0.000343 0.00047 0.00039 0.00058 Uranium mg/L 0.000010 0.00001 0.00001 0.000336 0.000334 0.000391 0.000413 0.001 0.001 0.001 0.0010 0.0010 0.001 0.00100 Vanadium 0.001 0.0010 0.0010 mg/L 0.0010 0.0012 0.00300 0.01910 Zinc mg/L 0.01 0.0010 0.001 0.003 0.0026 0.0015 0.0038 0.0010



BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT LAKE WATER QUALITY SUMMARY DATA AND STATISTICS

JL0-02-D JL0-02-D JLO-02(B) JL0-02-D JL0-09-D JL0-09-D JL0-09-D JLO-09(B) Mean 30-Jul-08 0.100 0.122 0.128 0.113 0.100 0.100 0.121 28 0.111 0.012 28 100% Specific Conductance mS/cm 100% Dissolved Oxygen mg/L 12.60 11.40 12.1 16.80 10.85 11.61 12.04 26 12.65 3.17 26 7.35 7.74 100% pН 8.21 7.33 16 7.70 0.41 16 Wetted Width 0 #DIV/0! #DIV/0! 0 #DIV/0! Average Depth (m) (m) 6 9 100% Flow Rate m3/s #DIV/0! #DIV/0! 0 #DIV/0! 10.5 12.0 14.0 17.5 14.0 7.5 7.0 100% Total Depth - May Samples Only 17.40 15.83 100% 6 2.20 6 1.90 1.93 100% Ice Thickness -May Samples Only Airspace - May Samples Only 0.05 0.15 0.09 100% 6 6 Snow Depth - May Samples Only 0.25 0.17 100% 11.5 12.6 15.45 18.6 15.9 12.8 24 14.94 2.69 24 100% Water Depth m 13.4 Turbidity NTU 0.93 0.49 0.9 0 0.49 0.7 21 4.36 17.29 21 100% Secchi Disk Depth 5.1 6.0 6.0 5.9 5.3 22 5.92 0.79 22 100% eneral Parameters and Nutrients 8.06 100% 7.91 33 7.61 0.56 8.04 7.9 6.83 6.80 8.30 8.02 33 Conductivity μS/cm 107 112 109 123.00 117 106 112 111 33 114.15 9.70 33 100% Turbidity NTU 0.1 0.1 0.1 0.1 0.7 0.3 0.6 0.50 0.3 0.6 0.3 0.5 31 0.46 0.25 31 100% mg/L as CaCO₃ 0.5 0.5 0.5 54.1 56.2 55.4 63.50 59.8 53.6 56 56.1 33 57.69 5.03 33 100% Total dissolved Solids (TDS) 65 100% 3 mg/L TDS (COND - CALC) 70 71 80.00 76 72 75.23 5.73 100% 73 69 73 30 30 mg/L Total Suspended Solids (TSS) 2.000 0.000 30 100% mg/L 30 Alkalinity mg/L as CaCO 5 5 54 56 55 67.00 61 53 56 54 33 58.36 5.79 33 100% mg/L 0.05 0.05 0.25 0.20 0.09 Bromide (Br⁻) 88% 33 29 Chloride (Cl') 2 mg/L Sulphate (SO₄²·) mg/L 3 1 2 33 1 28 85% 0.02 0.02 0.02 0.02 0.02 33 0.02 0.01 33 100% mg N/L 0.02 0.02 0.03 Nitrite (NO₂⁻) mg N/L 0.005 0.002 0.005 0.100 0.002 33 0.0153 0.0320 33 100% Nitrate (NO₃) 0.1 0.10 0.1 0.1 33 0.10 0.00 33 100% mg N/L 0.10 0.10 0.10 NO₂+NO₃ mg N/L 0.1 0.10 0.1 0.1 0.10 0.10 0.10 0.10 0.10 33 0.10 0.00 33 100% 0.01 0.003 0.003 0.003 0.004 0.005 0.003 0.02 0.006 0.006 33 0.006 33 100% Total Organic Carbon (TOC) mg/L 0.5 0.5 0.5 2.1 1.8 2 2.00 1.8 2.0 1.9 1.8 30 1.95 0.14 30 100% Dissolved Organic Carbon mg/L 0.5 0.5 0.5 2.1 1.7 1.7 2.00 1.9 2.0 1.9 1.8 30 1.88 0.16 30 100% Total Kjeldahl Nitrogen (TKN) 0.05 0.1 0.1 0.10 0.24 0.25 0.24 0.22 0.10 0.10 0.16 30 0.16 0.09 30 100% mg/L Phenols mg/L 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 33 0.001 0.001 33 100% otal Metals and Non-Metals 100% Antimony 0.00010 0.0001 0.0001 30 0.00010 0.00001 30 0.001 0.00010 0.0001 0.0001 33 0.00018 33 100% mg/L 0.000050 0.00005 0.00005 0.00511 0.00468 0.00559 0.00539 0.00458 0.00148 100% Barium 0.01 0.00512 0.00488 0.00499 33 0.00565 33 mg/L 0.0005 0.0005 0.00000 100% Beryllium 0.00050 0.0005 30 0.00050 30 mg/L Bismuth mg/L 0.00050 0.0005 0.0005 0.00050 0.0005 0.00050 0.00050 0.00050 30 0.00050 0.00000 30 100% Boron mg/L 0.01 0.010 0.01 0.01 0.010 0.01000 33 0.01000 0.00000 33 100% Cadmium mg/L 0.0001 0.000017 0.000017 0.00001 0.000042 0.000017 0.00001 0.00001 0.000017 0.000017 0.000017 0.00001 33 0.000023 0.000025 33 100% Calcium mg/L 0.050 0.05 0.05 10.9 11.2 10.9 12.70 11.8 11.1 11.2 10.9 33 11.48 0.95 33 100% 0.001 0.00050 0.0005 0.0005 33 0.00055 0.00015 33 100% mg/L 0.00050 0.0005 0.00050 0.00050 0.00050 mg/L 0.00010 0.0001 0.0001 33 0.00011 33 0.001 0.00010 0.0005 0.00145 0.00076 0.00084 0.00087 0.00088 0.00079 0.01900 33 0.00207 33 100% 0.0001 0.00433 0.00375 Copper mg/L 0.03 0.030 0.030 0.03 0.030 0.03 0.03 0.032 0.030 0.03000 0.030 0.03000 33 0.03152 0.00531 33 100% Iron mg/L 0.001 0.00005 0.000429 0.00011 0.000053 33 0.000281 Lead mg/L 0.000050 0.00005 0.000050 0.000050 0.000171 33 100% Lithium mg/L 0.0050 0.005 0.005 0.0050 0.0050 0.00500 0.005 0.0050 0.0050 0.0050 30 0.00500 0.00000 30 100% Magnesium mg/L 0.10 0.1 0.1 6.53 6.69 6.84 7.71 7.33 6.52 6.74 6.79 33 6.99 0.59 33 100% mg/L 0.01 0.000050 0.00005 0.00005 0.0028 0.00136 0.00170 0.00198 0.001000 0.0021 0.00133 0.00172 33 0.002289 0.002546 33 100% Manganese 0.0001 0.000016 0.00001 33 100% Molybdenum mg/L 0.005 0.000050 0.00005 0.00005 0.000179 0.000157 0.000185 0.000243 0.000182 0.000161 0.000151 0.000178 33 0.000620 0.001407 33 100% 0.00114 0.00071 0.00066 0.00071 0.0005 0.00060 0.00062 0.00069 0.00064 33 0.00109 0.00126 33 100% Nickel mg/L 0.005 0.00050 0.0005 Phosphorus mg/L 0.30 0.003 0.003 0.30 0.30 0.30 0.30 0.30 18 0.30 0.00 18 100% 0.751 0.759 mg/L 0.01 2.0 0.05 0.05 0.876 33 1.450 0.616 33 100% 0.001 0.001 0.001 0.0010 0.00100 0.001 0.0010 0.0010 0.0010 0.00100 100% Selenium mg/L 0.0010 33 0.00100 0.00000 33 Silicon mg/L 0.050 0.05 0.05 0.481 0.461 0.41100 0.45 0.485 0.488 0.464 0.41000 30 0.46877 0.04112 30 100% Silver mg/L 0.0001 0.000010 0.00001 0.000001 0.00001 33 0.000017 0.000027 33 100% mg/L 0.05 2.0 0.05 0.0012 0.700 0.947 1.08 33 1.467 0.605 33 100% Sodium Strontium 0.00010 0.0001 0.0001 0.00612 0.00537 0.00606 0.0084 0.00621 0.00542 0.00638 0.00644 33 100% Thallium 0.00010 0.0001 0.0001 30 0.00010 0.00000 30 100% mg/L Tin 0.01 0.00010 0.0001 0.0001 0.00020 0.00042 0.00024 33 0.00136 0.00287 33 100% mg/L Titanium 0.010 0.01 0.01 0.01000 0.00000 30 100% mg/L 30 Uranium mg/L 0.000010 0.00001 0.00001 0.000361 0.000332 0.000395 0.000547 0.000383 0.000342 0.000340 0.000393 30 0.000402 0.000071 30 100% Vanadium mg/L 0.001 0.0010 0.001 0.001 33 0.00100 0.00000 33 100% Zinc mg/L 0.01 0.0010 0.001 0.003 0.0049 0.0010 0.00110 0.0011 33 0.00247 0.00263 33 100% mg/L 0.005 0.0010 0.001 0.003 0.0079 0.0045 0.0019 0.0020 33 100% 0.0098 0.0050 0.0012 0.00468 0.00407 33 0.00010 0.0001 0.0001 0.00018 0.00020 30 0.36012 1.97178 30 100% Arsenic mg/L 0.001 0.00010 0.0001 0.0001 33 0.00019 0.00027 33 100% Barium mg/L 0.01 0.000050 0.00005 0.00005 0.00487 0.00462 0.00501 0.00548 0.00544 0.00482 0.00449 0.00475 33 0.00544 0.00176 33.00 100% Bervllium 0.00050 0.0005 0.0005 30 0.00052 0.00011 30.00 100% mg/L 0.00050 0.0005 0.0005 0.001 30 0.00148 30.00 100% Bismuth mg/L 0.0005 0.0005 0.00050 0.00539 0.010 mg/L 0.0001 0.000017 0.000017 0.00001 0.000017 0.000017 0.00001 0.00001 0.000017 0.000017 0.000017 0.00001 33 0.000176 33.00 100% Cadmium 0.000867 mg/L Calcium mg/L 0.050 0.05 0.05 10.9 11.4 11 12.60 11.8 10.8 11.3 10.9 33 11.4 1.3 33.00 100% 0.001 0.00050 0.0005 0.0005 0.0005 0.0005 0.00050 0.00050 0.001 33 0.00015 33.00 Chromium mg/L 0.00050 0.00050 0.00050 0.00054 100% Cobalt mg/L 0.0002 0.00010 0.0001 0.0001 0.00010 0.00010 0.0001 0.0001 0.00010 0.00010 0.00010 0.0001 33 0.00011 0.00003 33.00 100% 0.001 0.00010 0.0001 0.0005 0.00107 0.00092 0.00106 0.00086 0.00096 0.00084 0.00093 0.00095 33 0.00103 0.00037 33.00 100% 0.030 0.030 0.03 0.030 0.03 0.03 0.030 0.030 0.0300 0.03 0.030 0.030 33 33.00 100% 0.00005 0.0001 0.00005 0.0001 32 0.000150 0.000282 0.000050 0.00005 0.0050 0.005 0.005 Lithium mg/L 0.0050 0.005 0.005 0.0050 0.0050 0.0050 0.0050 0.0050 30 0.0293 0.1329 30.00 100% 6.82 7.50 7.36 6.46 7.03 6.53 6.72 33 100% 0.10 0.1 0.1 6.76 6.780 1.366 33.00 Magnesium mg/L 0.00122 0.000990 0.000429 0.000282 0.000771 0.00131 0.001110 0.000374 Manganese 0.01 0.000050 0.00005 0.00005 33 0.012969 0.064868 33.00 100% mg/L Mercury mg/L 0.000050 0.00001 0.00001 30 0.000034 0.000020 30.00 100% 0.005 0.000141 0.000154 0.000166 0.00023 0.000221 0.000154 0.000166 0.000182 Molybdenum mg/L 0.000050 0.00005 0.00005 33 0.032439 0.182676 33.00 100% 0.00068 0.00065 Nickel 0.005 0.00050 0.0005 0.0005 0.00071 0.00062 0.00065 0.00123 0.00059 0.0006 33 0.00125 0.00153 33.00 100% Phosphorus 0.30 0.003 0.30 0.30 19 0.28 0.07 19.00 100% 0.01 2.0 0.05 0.05 0.748 0.857 0.814 33 1.422 0.660 33.00 100% mg/L 0.001 0.0010 0.001 0.001 0.0013 33.00 mg/L 0.0016 Silicon 0.05 0.050 0.05 0.461 0.463 0.385 0.43 0.477 0.462 0.373 0.438080 0.090962 30.00 100% mg/L 0.460 30 Silver mg/L 0.0001 0.000010 0.00001 0.000001 33 0.000047 0.000173 33.00 100% 2.0 2.0 1.03 2.0 2.0 2.0 Sodium mg/L 0.05 2.0 0.05 0.0012 0.842 3.46 33 1.527 0.724 33.00 100% Strontium 0.001 0.00010 0.0001 0.0001 0.00590 0.00540 0.00616 0.00851 0.00636 0.00577 0.00544 0.00769 33 0.00642 0.00097 33.00 100% Thallium 0.00010 0.0001 0.0001 0.000 30 0.00010 0.00000 30.00 100% 0.00018 0.00031 0.00017 33 0.00144 33.00 100% mg/L 0.00010 0.0001 0.0001 0.00298 0.01 0.01 0.010 Uranium 0.000010 0.00001 0.00001 0.000331 0.000331 0.000397 0.000582 0.000386 0.000339 0.000345 0.000376 30 0.000404 0.000078 30.00 100% mg/L 0.001 0.001 0.0010 0.0010 Vanadium 0.001 0.0010 0.0010 0.0010 0.001 0.0010 0.001 33 0.00100 0.00000 33.00 100% mg/L 0.0011 Zinc mg/L 0.01 0.0010 0.001 0.003 0.0025 0.0014 0.0016 0.00327 0.00382 33.00 100%



TABLE 3.7 BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT LAKE WATER QUALITY SUMMARY DATA AND STATISTICS

Parameters	Units	Method Detection	Method Detection	Method Detection	Method Detection	Receiving Water Quality Guidelines	DL0-01-1-S	DI 0-01 4 C	DI D.O1 4 C	DL0-01-1-S	DI D.O1 4 C	DI 0.01.1/01		Sheardown La		DL0-01-S	DL0-01-2-S	DIDATE	DIDATE	DLO-01-2-S		DI 0-01-4-S
	Units	Limit 2006	Limit 2007	Limit 2008	Limit 2011	2011	01-Aug-06		06-May-07	1		11-May-08				06-Sep-11		17-Sep-07		02-Sep-08		
In Situ Parameters Temperature	°C	-	-	-			10.83	6.95	1.1	9.1	5.7		8.5	6.5	9.4	8.63	9.0	5.6	8.3	6.5	1.1	9.1
Specific Conductance	mS/cm	-	-	-			0.092	0.097	0.115	0.098	0.097		0.114	0.122	0.126	0.130	0.098	0.097	0.113	0.122	0.115	0.098
Dissolved Oxygen	mg/L	-	-	-		9.6	10.62	9.15	18.64	11.5	11.90		11.33	13.81			11.41	11.60	11.23	13.79	18.72	10.86
pH Wetted Width	- m			-		6.5-9.0	8.24	6.76			8.27		7.94	7.95	7.87	7.95		8.28	7.99	7.9		
Average Depth (m)	(m)		-	-			1	1														
Flow Rate	m3/s																					
Measured Depth (m)	(m)								1.0	1.0	1.0						1.0	1.0			1.0	1.0
Total Depth - May Samples Only	m	-	-						21.80												9.50	
Ice Thickness -May Samples Only	m	-	-	-					1.80												2.10	
Airspace - May Samples Only	m			-					0.00												0.15	
Snow Depth - May Samples Only Water Depth	m m								0.10 20.00	22.8	22.4		21.5	20.6			13	19.9	17.2	14.7	7.25	6.6
Turbidity	NTU	-	-	-					0	0.21	0.35		2.30	6.9			0.19	0.35	20.8	7.2	0	0.25
Secchi Disk Depth	m			-			4.07	4.2		8.5	8.1		6.4	5.25			9.6	7.4	6.7	5.5		6.6
General Parameters and Nutrients						6.5-9.0	7.09	6.98	6.81	8.29	8.03	7.97	7.86	7.75	7.27	6.85	8.32	8.02	7.85	7.84	6.88	8.3
Conductivity	µS/cm	5	5	5	5	0.5-5.0	94	101	121	104	109	135	108	116	128.00	129	103	109	108	117	128	104
Turbidity	NTU	0.1	0.1	0.1	0.1		0.6	0.9	0.4	0.4	0.4	0.4	0.5	0.7	0.40	0.4	0.3	0.4	0.7	0.8	0.3	0.4
Hardness	mg/L as CaCO ₃	1	0.5	0.5	0.5		50	43	61.2	52.5	53.9	64.4		61	64.00	63	52.9	53.8		60.8	63.9	53.0
Total dissolved Solids (TDS)	mg/L				1		61	66														
TDS (COND - CALC)	mg/L	5	5	5					79	68	71	88	70	75	83.00	84	67	71	70	76	83	68
Total Suspended Solids (TSS)	mg/L as CaCO ₃	_	2	2	5		49		2	2	2	2	2	2	4.00	2	2	2	2	2	67	2
Alkalinity	mg/L	0.05	0.05	0.05	0.25		0.05	0.05	62 0.05	0.25	53 0.25	0.25	52 0.25	0.25	63.00 0.25	0.25	0.25	53 0.25	53 0.25	0.25	0.05	0.25
Bromide (Br) Chloride (Cl')	mg/L mg/L	1	1	1	1	120	1	1	2	1	2	2	2	3	3.00	3	1	2	2	3	2	1
Sulphate (SO ₄ ²)	mg/L	1	1	1	1		1	2	2	1	3	3	1	1	4.00	4	1	3	1	1	2	1
Ammonia (NH ₃ +NH ₄)	mg N/L	0.02	0.02	0.02	0.02	0.021-231	0.02	0.02	0.02	0.02	0.05	0.05	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.03
Nitrite (NO ₂ -)	mg N/L	0.005	0.002	0.005	0.100	0.06	0.005	0.008	0.0020	0.002	0.002	0.005	0.005	0.005	0.10	0.005	0.002	0.002	0.005	0.005	0.0020	0.002
Nitrate (NO ₃ ⁻)	mg N/L	0.1	0.10	0.1	0.1	13	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NO ₂ +NO ₃	mg N/L	0.1	0.10	0.1	0.1		0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Total Phosphorus	mg/L	0.01	0.003	0.003	0.003		0.02	0.01	0.003	0.003	0.003	0.004	0.010	0.003	0.005	0.003	0.003	0.003	0.008	0.007	0.003	0.003
Total Organic Carbon (TOC)	mg/L		0.5	0.5	0.5				1.9	2.1	1.8	1.8	1.9	1.8	1.80	1.8	2.0	1.7	1.8	1.8	2.0	2.0
Dissolved Organic Carbon	mg/L		0.5	0.5	0.5				1.8	2.1	1.7	1.7	2.0	1.6	1.70	1.8	2.0	1.9	1.9	1.6	2.0	1.9
Total Kjeldahl Nitrogen (TKN)	mg/L		0.05	0.1	0.1				0.05	0.13	0.14	0.22	0.16	0.12	0.20	0.10	0.10	0.11	0.13	0.12	0.07	0.14
Phenois Total Metals and Non-Metals	mg/L	0.001	0.001	0.001	0.001	0.004	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Aluminium	mg/L	0.005	0.0010	0.001	0.003	0.005-0.1	0.020	0.026	0.0018	0.0032	0.0043	0.00440	0.013000	0.0112	0.0044	0.0108	0.0038	0.0039	0.003600	0.0121	0.0019	0.0143
Antimony	mg/L	0.001	0.00010	0.0001	0.0001	0.005			0.00010	0.00010	0.00010	0.00010	0.000100	0.0001	0.0001	0.0001	0.00010	0.00010	0.000100	0.0001	0.00010	0.00010
Arsenic Barium	mg/L mg/L	0.001	0.00010	0.0001	0.0001	0.005	0.001	0.001	0.00010	0.00010	0.00010	0.00010	0.000100	0.0001	0.0001	0.00503	0.00010	0.00010	0.000100	0.0001	0.00010	0.00010
Beryllium	mg/L	-	0.00050	0.0005	0.0005		0.07	0.07	0.00050	0.00050	0.00050	0.00050	0.000500	0.0005	0.0005	0.0005	0.00050	0.00050	0.000500	0.0005	0.00050	0.00050
Bismuth	mg/L		0.00050	0.0005	0.0005				0.00050	0.00050	0.00050	0.00050	0.000500	0.0005	0.0005	0.0005	0.00050	0.00050	0.000500	0.0005	0.00050	0.00050
Boron	mg/L	0.01	0.010	0.01	0.01	1.5	0.01	0.01	0.010	0.010	0.010	0.01000	0.010000	0.01	0.01	0.01	0.010	0.010	0.010000	0.01	0.010	0.010
Cadmium	mg/L	0.0001	0.000017	0.000017	0.00001	0.000029	0.0001	0.0001	0.000017	0.000017	0.000017	0.00001	0.000010	0.00001	0.00001	0.00001	0.000017	0.000017	0.000010	0.00001	0.000017	0.000017
Calcium	mg/L mg/L	0.001	0.050	0.005	0.05	0.0047	0.001	0.001	0.00050	0.00050	0.00050	0.00050	0.000500	0.0005	12.80 0.0005	0.0005	0.00050	0.00050	11.8	0.0005	0.00050	0.00050
Cobalt	mg/L	0.0002	0.00010	0.0001	0.0001	0.0047	0.0002	0.0002	0.00010	0.00010	0.00010	0.00010	0.000100	0.0001	0.0001	0.0001	0.00010	0.00010	0.000100	0.0001	0.00010	0.00010
Copper	mg/L	0.001	0.00010	0.0001	0.0005	0.002	0.001	0.001	0.00132	0.00086	0.00077	0.00119	0.002400	0.00088	0.001	0.00084	0.00088	0.00079	0.000950	0.00119	0.00106	0.00082
Iron	mg/L	0.03	0.030	0.03	0.03	0.3	0.03	0.03	0.030	0.030	0.030	0.03000	0.030000	0.03	0.03	0.03	0.030	0.030	0.030000	0.03	0.030	0.030
Lead	mg/L	0.001	0.000050	0.00005	0.00005	0.001	0.001	0.001	0.000078	0.000050	0.000050	0.00005	0.000050	0.00005	0.00005	0.00005	0.000050	0.000050	0.000050	0.00005	0.000107	0.000050
Lithium Magnesium	mg/L mg/L	-	0.0050	0.005	0.005				7.44	6.26	6.43	7.93	0.005000 6.52	7.24	0.005	7.96	0.0050 6.26	6.42	7.05	7.25	0.0050 7.85	0.0050
Manganese	mg/L	0.01	0.000050	0.00005	0.00005		0.01	0.01	0.000572					0.00153	0.00136							0.00183
Mercury	mg/L	0.0001	0.000050	0.00001	0.00001	0.000026	0.0001	0.0001	0.000050	0.000050	0.000050	0.00001	0.000010	0.00001	0.00001	0.00001	0.000050	0.000050	0.000010	0.00001	0.000050	0.000050
Molybdenum	mg/L	0.005	0.000050	0.00005	0.00005	0.073	0.005	0.005	0.000635	0.000530	0.000521	0.00069	0.000526	0.000632	0.000704	0.000696	0.000547	0.000510	0.000560	0.000624	0.000713	0.000512
Nickel	mg/L	0.005	0.00050	0.0005	0.0005	0.083	0.005	0.005	0.00080	0.00061		0.00086	0.000630	0.00069	0.00079	0.00064	0.00064	0.00060	0.000540	0.00097	0.00084	0.00063
Phosphorus Potassium	mg/L mg/L	0.01	0.30	0.003	0.003		0.67	0.68	0.30	0.30	0.30 2.0	0.943	0.710	0.765	0.87	0.89	2.0	2.0	0.727	0.793	0.30 2.0	0.30 2.0
Selenium	mg/L	0.001	0.0010	0.001	0.001	0.001	0.001	0.001	0.0010	0.0010	0.0010	0.00100	0.001000	0.001	0.001	0.001	0.0010	0.0010	0.001000	0.001	0.0010	0.0010
Silicon	mg/L		0.050	0.05	0.05				0.717	0.607	0.613	0.77600	0.600000	0.64	0.64	0.63	0.596	0.608	0.611000	0.646	0.746	0.617
Silver	mg/L	0.0001	0.000010	0.00001	0.000001	0.0001	0.0001	0.0001	0.000010	0.000010	0.000010	0.00001	0.000010	0.00001	0.000001	0.000001	0.000010	0.000010	0.000010	0.00001	0.000010	0.000010
Sodium	mg/L	0.05	2.0	0.05	0.0012		0.48	0.51	2.0	2.0	2.0	0.786	0.594	0.678	0.953	1.05	2.0	2.0	0.611	0.701	2.0	2.0
Strontium Thallium	mg/L mg/L	0.001	0.00010	0.0001	0.0001	0.0008	0.007	0.008	0.00844	0.00714	0.00660	0.00915	0.006930	0.0076	0.00824	0.00807	0.00714	0.00655	0.006960	0.00787	0.00905	0.00694
Tin	mg/L mg/L	0.01	0.00010	0.0001	0.0001	0.0000	0.01	0.01	0.00405	0.00010	0.00010	0.00107	0.000160	0.0001	0.0001	0.0001	0.00010	0.00010	0.000100	0.0001	0.00293	0.00010
Titanium	mg/L	-	0.010	0.01	0.01				0.010	0.010	0.010	0.01000	0.010000	0.01	0.01	0.01	0.010	0.010	0.010000	0.01	0.010	0.010
Uranium	mg/L		0.000010	0.00001	0.00001	0.015			0.000684	0.000554	0.000562		0.000600		0.000927	0.00091	0.000551	0.000565	0.000357		0.000717	0.000542
Vanadium	mg/L	0.001	0.0010	0.001	0.001	0.006	0.001	0.001	0.0010	0.0010	0.0010	0.00100	0.001000	0.001	0.001	0.001	0.0010	0.0010	0.001000	0.001	0.0010	0.0010
Zinc Dissolved Metals and Non-Metals	mg/L	0.01	0.0010	0.001	0.003	0.03	0.01			A 444	0.000			0.001	0.003	0.0045	0.0010	0.0010	U.UU1000	0.001	0.0010	0.0010
Aluminium							0.07	0.01	0.0010	0.0010	0.0014	0.00520	0.001000									
	mg/L	0.005	0.0010	0.001	0.003		0.005	0.005	0.0012	0.0021	0.0027	0.00250		0.0014	0.003	0.0038	0.0020	0.0032		0.001	0.0013	0.0092
Antimony Arsenic	mg/L	-	0.00010	0.0001	0.003		0.005	0.005				0.00250	0.0001	0.0014	0.0001	0.0038	0.00021	0.0032	0.0001	0.0001	0.0013	0.0092
Ansmony Arsenic Barium		0.005 - 0.001			0.003		0.005	0.005	0.0012	0.0021	0.0027 0.00010 0.00010	0.00250		0.0014 0.0001 0.0001		0.0038				0.0001		
Arsenic	mg/L mg/L	0.001	0.00010	0.0001	0.003 0.0001 0.0001		0.005	0.005	0.0012 0.00010 0.00010	0.0021 0.00018 0.00010	0.0027 0.00010 0.00010	0.00250 0.0001 0.0001	0.0001	0.0014 0.0001 0.0001	0.0001	0.0038 0.0001 0.0001	0.00021	0.00010	0.0001	0.0001	0.00010	0.00017
Arsenic Barium	mg/L mg/L	0.001	0.00010 0.00010 0.000050	0.0001 0.0001 0.00005	0.003 0.0001 0.0001 0.00005		0.005	0.005	0.0012 0.00010 0.00010 0.00575	0.0021 0.00018 0.00010	0.0027 0.00010 0.00010	0.00250 0.0001 0.0001	0.0001 0.0001 0.00467	0.0014 0.0001 0.0001 0.00508	0.0001 0.0001 0.00511	0.0038 0.0001 0.0001 0.005	0.00021 0.00010 0.00442	0.00010	0.0001 0.0001 0.00454	0.0001 0.0001 0.00499	0.00010	0.00017 0.00010 0.00452
Arsenic Barium Beryllium	mg/L mg/L mg/L	0.001	0.00010 0.00010 0.000050 0.00050	0.0001 0.0001 0.00005 0.0005	0.003 0.0001 0.0001 0.0005		0.005	0.005	0.0012 0.00010 0.00010 0.00575	0.0021 0.00018 0.00010 0.00446 0.00050	0.0027 0.00010 0.00010 0.00451 0.00050	0.00250 0.0001 0.0001 0.00615	0.0001 0.0001 0.00467 0.0005	0.0014 0.0001 0.0001 0.00001 0.00008	0.0001 0.0001 0.00511 0.0005	0.0038 0.0001 0.0001 0.005	0.00021 0.00010 0.00442 0.00050	0.00010 0.00010 0.00452 0.00050	0.0001 0.0001 0.00454 0.0005	0.0001 0.0001 0.00499 0.0005	0.00010 0.00010 0.00594 0.00050	0.00017 0.00010 0.00452 0.00050
Arsenic Barium Beryllium Bismuth	mg/L mg/L mg/L mg/L	0.001	0.00010 0.00010 0.00050 0.00050 0.00050 0.00050 0.00050	0.0001 0.0001 0.0005 0.0005 0.0005 0.01	0.003 0.0001 0.0001 0.00005 0.0005 0.0005 0.0005		0.005 0.001 0.01 0.01	0.005 0.001	0.0012 0.00010 0.00010 0.00575 0.00050 0.00050 0.00050	0.0021 0.00018 0.00010 0.00446 0.00050 0.00050 0.010	0.0027 0.00010 0.00010 0.00451 0.00050 0.00050 0.010	0.00250 0.0001 0.0001 0.0001 0.0005 0.0005	0.0001 0.0001 0.00467 0.0005 0.0005 0.0100 0.00001	0.0014 0.0001 0.0001 0.0000 0.0005 0.0005 0.0005	0.0001 0.0001 0.00511 0.0005 0.0005 0.001	0.0038 0.0001 0.0001 0.0005 0.0005 0.0005 0.0005	0.00021 0.00010 0.00442 0.00050 0.00050 0.00050	0.00010 0.00010 0.00452 0.00050 0.00050 0.00050	0.0001 0.0001 0.00454 0.0005 0.0005 0.0100 0.00001	0.0001 0.0001 0.00499 0.0005 0.0005 0.01	0.00010 0.00010 0.00594 0.00050 0.00050 0.00050	0.00017 0.00010 0.00452 0.00050 0.00050 0.010
Arsenic Barlum Beyfilum Bismuth Bismuth Cadmium Calcium	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.001 0.01 - - 0.01 0.001	0.00010 0.00010 0.000050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0001 0.0001 0.00005 0.0005 0.0005 0.0007 0.0007	0.003 0.0001 0.0001 0.00005 0.00005 0.0005 0.0005 0.0005		0.005 0.001 0.01 0.01 0.0001	0.005 0.001 0.01 0.01 0.001	0.0012 0.00010 0.00010 0.00575 0.00050 0.00050 0.00050	0.0021 0.00018 0.00010 0.00446 0.00050 0.00050 0.010	0.0027 0.00010 0.00010 0.00451 0.00050 0.00050 0.00050 0.000017	0.00250 0.0001 0.0001 0.00015 0.0005 0.0005 0.0005 0.00001	0.0001 0.0001 0.00467 0.0005 0.0005 0.0100 0.00001	0.0014 0.0001 0.0001 0.00508 0.0005 0.0005 0.0005 0.0001	0.0001 0.0001 0.00511 0.0005 0.0005 0.01 0.00001	0.0038 0.0001 0.0001 0.005 0.0005 0.0005 0.0001 12.5	0.00021 0.00010 0.00442 0.00050 0.00050 0.00051 0.000017	0.00010 0.00010 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0001 0.0001 0.00454 0.0005 0.0005 0.0100 0.00001	0.0001 0.0001 0.00499 0.0005 0.0005 0.001 0.00001	0.00010 0.00010 0.00594 0.00050 0.00050 0.00050 0.000017	0.00017 0.00010 0.00452 0.00050 0.00050 0.010 0.00017
Amenic Barium Berjilum Berjilum Bismuth Bismuth Cardmium Cardmium Carcum	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.001 0.01 - - 0.01 0.001 1	0.00010 0.00010 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0001 0.0001 0.00005 0.0005 0.0005 0.001 0.00017 0.000017	0.003 0.0001 0.0001 0.0005 0.0005 0.0005 0.0001 0.0001		0.005 0.001 0.01 0.001 0.0001	0.005 0.001 0.01 0.01 0.001 9	0.0012 0.00010 0.00010 0.00575 0.00050 0.00050 0.00050 12.1	0.0021 0.00018 0.00010 0.00448 0.00050 0.00050 0.00050 10.7	0.0027 0.00010 0.00010 0.00050 0.00050 0.00050 0.00050 10.9	0.00280 0.0001 0.0001 0.0001 0.0001 0.0005 0.0005 0.0005 0.00001 12.7	0.0001 0.0001 0.00467 0.0005 0.0005 0.00001 10.4	0.0014 0.0001 0.0001 0.0008 0.0005 0.0005 0.0005 0.00001 12.2 0.0005	0.0001 0.0001 0.0001 0.0005 0.0005 0.0005 0.0001 12.20	0.0038 0.0001 0.0001 0.0005 0.0005 0.0005 0.00001 12.5 0.0005	0.00021 0.00010 0.00442 0.00050 0.00050 0.000017 10.8 0.00050	0.00010 0.00010 0.00010 0.00452 0.00050 0.00050 0.00050 0.00050 0.00050	0.0001 0.0001 0.00454 0.0005 0.0005 0.0005 0.00001 10.4	0.0001 0.0001 0.00499 0.0005 0.0005 0.01 0.00001 12.2	0.00010 0.00010 0.00594 0.00050 0.00050 0.00050 12.6 0.00050	0.00017 0.00010 0.00452 0.00050 0.00050 0.000017 10.8
Arsenic Bartum Beryllum Bismuth Boron Cadmium Carcium Chromium Chromium	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.001 0.01 - - 0.01 0.001 1 0.0001	0.00010 0.00010 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0001 0.0001 0.00005 0.0005 0.0005 0.01 0.0001 0.00017 0.005	0.003 0.0001 0.0001 0.0005 0.0005 0.0005 0.001 0.00001 0.00001		0.005 0.001 0.01 0.001 0.0001 10 0.0002	0.005 0.001 0.01 0.01 0.001 9 0.001	0.0012 0.00010 0.00010 0.00575 0.00050 0.00050 0.00050 1.010 12.1 0.00080	0.0021 0.00018 0.00010 0.00448 0.00050 0.00050 0.00050 0.00017 10.7 0.00060	0.0027 0.00010 0.00010 0.00050 0.00050 0.00050 0.00050 10.9 0.00050 0.00050	0.00250 0.0001 0.0001 0.0001 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005	0.0001 0.0001 0.0001 0.00467 0.0005 0.0005 0.00001 10.4 0.00001	0.0014 0.0001 0.0001 0.0000 0.00008 0.0005 0.0005 0.00001 12.2 0.00001	0.0001 0.0001 0.0001 0.0005 0.0005 0.0001 12.20 0.0001	0.0038 0.0001 0.0001 0.0005 0.0005 0.0005 0.00001 12.5 0.0005	0.00021 0.00010 0.00442 0.00050 0.00050 0.00050 10.8	0.00010 0.00010 0.00010 0.00050 0.00050 0.00050 0.000017 10.9 0.00050	0.0001 0.0001 0.00454 0.0005 0.0005 0.0005 0.00001 10.4 0.00001	0.0001 0.0001 0.00499 0.0005 0.0005 0.001 12.2 0.0005	0.00010 0.00010 0.000594 0.00050 0.00050 0.00050 12.6 0.00050	0.00017 0.00010 0.00452 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050
Arsenic Bartum Beyflum Beyflum Bismuth Bismuth Cadmium Calcium Chromium	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.001 0.01 - - 0.01 0.001 1	0.00010 0.00010 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0001 0.0001 0.00005 0.0005 0.0005 0.001 0.00017 0.000017	0.003 0.0001 0.0001 0.0005 0.0005 0.0005 0.0001 0.0001		0.005 0.001 0.01 0.001 0.0001	0.005 0.001 0.01 0.01 0.001 9	0.0012 0.00010 0.00010 0.00575 0.00050 0.00050 0.00050 12.1	0.0021 0.00018 0.00010 0.00448 0.00050 0.00050 0.00050 10.7	0.0027 0.00010 0.00010 0.00050 0.00050 0.00050 0.00050 10.9	0.00280 0.0001 0.0001 0.0001 0.0001 0.0005 0.0005 0.0005 0.00001 12.7	0.0001 0.0001 0.00467 0.0005 0.0005 0.00001 10.4	0.0014 0.0001 0.0001 0.0008 0.0005 0.0005 0.0005 0.00001 12.2 0.0005	0.0001 0.0001 0.0001 0.0005 0.0005 0.0005 0.0001 12.20	0.0038 0.0001 0.0001 0.0005 0.0005 0.0005 0.00001 12.5 0.0005	0.00021 0.00010 0.00442 0.00050 0.00050 0.000017 10.8 0.00050	0.00010 0.00010 0.00010 0.00452 0.00050 0.00050 0.00050 0.00050 0.00050	0.0001 0.0001 0.00454 0.0005 0.0005 0.0005 0.00001 10.4	0.0001 0.0001 0.00499 0.0005 0.0005 0.01 0.00001 12.2	0.00010 0.00010 0.00594 0.00050 0.00050 0.00050 12.6 0.00050	0.00017 0.00010 0.00452 0.00050 0.00050 0.000017 10.8
Arsenic Bartum Beryillum Benyillum Bismuth Bismuth Bismon Cadmium Carloum Chromium Chromium Cobalt Copper	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.001 0.01 - - 0.01 0.0001 1 0.0001 0.0002	0.00010 0.00010 0.00010 0.00050 0.00050 0.00050 0.010 0.00017 0.050 0.00050 0.00050	0.0001 0.0001 0.00005 0.0005 0.0005 0.01 0.00017 0.05 0.0005 0.0001	0.003 0.0001 0.0001 0.0005 0.0005 0.0005 0.0001 0.00001 0.0005		0.005 0.001 0.01 0.001 10 0.0002 0.001	0.005 0.001 0.01 0.001 0.0001 9 0.0002 0.0002	0.0012 0.00010 0.00010 0.000575 0.00050 0.00050 0.010 0.000017 12.1 0.00050 0.00050 0.00050	0.0021 0.00018 0.00010 0.00446 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0027 0.00010 0.00010 0.00451 0.00050 0.00050 0.010 0.000017 10.9 0.000000 0.00080	0.00250 0.0001 0.0001 0.0001 0.0005 0.0005 0.0005 0.00001 12.7 0.0005 0.0001 0.00010	0.0001 0.00467 0.00467 0.0005 0.0005 0.00001 10.4 0.00001 0.00001 0.00001	0.0014 0.0001 0.0000 0.00008 0.0005 0.0005 0.0001 0.00001 12.2 0.00001 0.00001	0.0001 0.0001 0.0001 0.0005 0.0005 0.0001 12.20 0.0005 0.0001	0.0038 0.0001 0.0001 0.0001 0.0005 0.0005 0.0001 12.5 0.00001 0.00001 0.00001	0.00021 0.00010 0.00442 0.00050 0.00050 0.00050 10.8 0.00050 0.00050 0.00050 0.00050	0.00010 0.00010 0.00050 0.00050 0.00050 0.00017 10.9 0.00050 0.00050	0.0001 0.00454 0.0005 0.0005 0.0100 0.00001 10.4 0.0005 0.0001 0.0001	0.0001 0.00499 0.0005 0.0005 0.0005 0.0001 0.00001 0.00001	0.0010 0.00010 0.00594 0.00050 0.00050 0.00017 12.6 0.00080 0.00010	0.00017 0.00452 0.0050 0.00452 0.00050 0.000017 10.8 0.00050 0.00050 0.00050
Ansenic Bertum Beyflam Bismuth Bismuth Boron Cadmium Citicum Chromium Cocali Copper	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.001 0.01 0.01 0.01 0.001 1 0.0001 0.0002 0.0002	0.00010 0.00010 0.000050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00010 0.00010 0.00010 0.00010	0.0001 0.0001 0.0005 0.0005 0.0005 0.001 0.00017 0.005 0.0001 0.00010	0.003 0.0001 0.0001 0.0005 0.0005 0.0005 0.0001 0.0005 0.0001 0.0005 0.0001		0.005 0.001 0.01 0.001 10 0.0002 0.0002	0.005 0.001 0.01 0.01 0.001 0.0001 0.0001 0.0002 0.001 0.003	0.0012 0.0010 0.00010 0.00575 0.00050 0.0050 0.000017 12.1 0.00050 0.00050 0.00050 0.00050	0.0021 0.00018 0.00010 0.00446 0.00050 0.00050 0.00050 0.00017 10.7 0.00060 0.00010 0.00010	0.0027 0.00010 0.00010 0.00451 0.00050 0.00050 0.010 0.000017 10.9 0.00060 0.00080 0.00088	0.00250 0.0001 0.0001 0.0001 0.0005 0.0005 0.0005 0.00001 12.7 0.0005 0.0001 0.00010	0.0001 0.00467 0.0005 0.0005 0.0000 0.00001 10.4 0.0001 0.0001 0.0001	0.0014 0.0001 0.0001 0.00508 0.0005 0.0005 0.001 12.2 0.0005 0.0001 0.00001 0.00092	0.0001 0.0001 0.0005 0.0005 0.000 0.0001 12.20 0.0005 0.0007 0.0007	0.0038 0.0001 0.0001 0.0005 0.0005 0.0005 0.0001 12.5 0.0001 0.0001 0.0001 0.0007	0.00021 0.00010 0.00442 0.00050 0.00050 0.00050 0.000017 10.8 0.00050 0.00010	0.00010 0.00452 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00079	0.0001 0.00454 0.0005 0.0005 0.00001 10.4 0.00001 0.00001 0.00001	0.0001 0.00499 0.0005 0.0005 0.0005 0.0001 12.2 0.0001 0.0008	0.00010 0.00594 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00010 0.00010	0.00017 0.00010 0.00452 0.00050 0.00050 0.000017 10.8 0.00050 0.00060 0.00060
Arsenic Barlum Beylfum Bismuth Bismuth Boron Cadmium Chomium Chomium Chomium Copper Iron Lead	mgt	0.001 0.01 0.01 0.01 0.001 1 0.0001 0.0002 0.0002	0.00010 0.00010 0.000050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00010 0.00010 0.00010 0.00010 0.00010	0.0001 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.001 0.00017 0.005 0.0005 0.0005 0.0005 0.0005 0.0005	0.003 0.0001 0.0001 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005		0.005 0.001 0.01 0.001 10 0.0002 0.0002	0.005 0.001 0.01 0.01 0.001 0.0001 0.0001 0.0002 0.001 0.003	0.0012 0.0010 0.0010 0.00575 0.0050 0.0050 0.000017 12.1 0.000010 0.000010 0.00009 0.00009	0.0021 0.00018 0.00010 0.00446 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0027 0.00010 0.00010 0.00451 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.00250 0.0001 0.0001 0.00015 0.0005 0.0000 0.00001 12.7 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001	0.0001 0.0001 0.00467 0.0005 0.0005 0.00001 10.4 0.0005 0.0001 0.0001	0.0014 0.0001 0.0001 0.00508 0.0005 0.0005 0.01 0.00001 12.2 0.0005 0.0001 0.0001 0.00092 0.03	0.0001 0.0001 0.0001 0.0005 0.0005 0.01 0.00001 12.20 0.0005 0.0001 0.0007 0.003	0.0038 0.0001 0.0001 0.0005 0.0005 0.0005 0.00001 12.5 0.00001 0.00001 0.00001 0.00001 0.00001	0.00021 0.00010 0.00442 0.00050 0.0	0.00010 0.00452 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0001 0.0001 0.00454 0.0005 0.0005 0.0100 0.00001 10.4 0.0005 0.0001 0.000105	0.0001 0.000499 0.0005 0.0005 0.0005 0.0001 12.2 0.0005 0.0005 0.0001	0.0010 0.00594 0.00594 0.00590 0.00050 0.00050 12.6 0.00050 0.00010 0.00101 0.000101	0.00017 0.00010 0.00452 0.00050 0.00050 0.000017 10.8 0.00050 0.00050 0.00050 0.00050 0.00050
Arsenic Bartum Beyflum Bismuth Bismuth Cadenium Cadenium Chromium Cobalf Copper kon Lead	mgt	0.001 0.01 0.01 0.01 0.001 1 0.0001 0.0002 0.001 0.03	0.00010 0.00010 0.00050 0.00050 0.00050 0.00050 0.00017 0.050 0.00010 0.00010 0.00010 0.00010 0.00010 0.00050	0.0001 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.001 0.00017 0.005 0.0005 0.0005 0.0005 0.0005 0.0005	0.003 0.0001 0.0001 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0001 0.0005 0.0001 0.0005 0.0001		0.005 0.001 0.01 0.001 0.0001 10 0.0002 0.0002 0.001 0.003	0.005 0.001 0.01 0.001 0.0001 9 0.001 0.0002 0.001	0.0012 0.00010 0.00010 0.00575 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0021 0.00018 0.00010 0.00446 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0027 0.00010 0.00010 0.00451 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.00250 0.0001 0.0001 0.00015 0.0005 0.0000 0.00001 12.7 0.00001 12.7 0.0005 0.0010 0.001200 0.001200 0.0005	0.0001 0.0001 0.00467 0.0005 0.0005 0.0005 0.00001 10.4 0.0001 0.0001 0.0001 0.0001 0.0001	0.0014 0.0001 0.0001 0.00008 0.0005 0.0006 0.0001 12.2 0.0006 0.0001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001	0.0001 0.0001 0.0001 0.0005 0.0005 0.01 0.00001 12.20 0.0005 0.0001 0.0007 0.0007 0.0005	0.0038 0.0001 0.0001 0.0005 0.0005 0.0005 0.0001 12.5 0.00001 0.00001 0.00007 0.00007	0.00021 0.00010 0.00442 0.00050 0.00050 0.00050 0.00017 10.8 0.00050 0.00050 0.00050 0.00050	0.00010 0.00010 0.00050 0.00050 0.00050 0.000017 10.9 0.00050 0.00050 0.00079 0.00050	0.0001 0.00454 0.0005 0.0005 0.0005 0.00001 10.4 0.0005 0.0001 0.00105 0.00105 0.0001	0.0001 0.0001 0.0005 0.0005 0.0005 0.0001 12.2 0.0005 0.0005 0.0005 0.0005	0.00010 0.00594 0.00594 0.00590 0.00500 0.00050 0.00017 12.6 0.00050 0.00101 0.00101 0.00050 0.00050	0.00017 0.00010 0.00452 0.00050 0.00050 0.010 10.8 0.00050 0.00050 0.00050 0.00050 0.00050
Arsenic Bartum Beyflum Bismuth Bismuth Boron Cadmium Catcium Chromium Croper kon Lead Lithium Magnesium Margnese Mercury	mgt	0.001 0.01 0.01 0.01 0.01 0.001 1 0.0001 0.0002 0.0001 0.0003 0.001	0.00010 0.000150 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00010 0.00010 0.00010 0.00010 0.00050 0.00050 0.00050 0.00050	0.0001 0.0001 0.00005 0.00005 0.00005 0.00005 0.00005 0.00001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001	0.003 0.0001 0.0001 0.00005 0.0005 0.0001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00005 0.00001 0.00005 0.00001		0.005 0.001 0.01 0.001 10 0.0001 10 0.0021 0.0021 0.003 0.001	0.008 0.001 0.001 0.001 0.0001 9 0.0001 0.0001 0.0001 0.0001 0.0001	0.0012 0.0010 0.00576 0.00050 0.000576 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0021 0.00018 0.00010 0.00046 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0027 0.0027 0.00010 0.000451 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.00250 0.0001 0.00015 0.0001 0.00015 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005	0.0001 0.0001 0.0005 0.0005 0.0005 0.00001 10.4 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001	0.0014 0.0001 0.0001 0.0001 0.00008 0.00008 0.00000 0.00001 12.2 0.0000 0.00001 0.000000 0.000000 0.000000 0.000000 0.000000	0.0001 0.0001 0.0001 0.0005 0.0005 0.0001 12.20 0.0005 0.0001 0.0007 0.0007 0.0005 0.0005 0.0005	0.0038 0.0001 0.0001 0.0005 0.0005 0.0005 0.00001 12.5 0.00001 0.00007 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005	0.00021 0.00010 0.00442 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.00010 0.00010 0.00010 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0001 0.0001 0.0001 0.0005 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001	0.0001 0.0001 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0001 12.2 0.0005 0.0001 0.00086 0.0005 0.0005 0.0005 0.0001 0.0001	0.00010 0.00010 0.00594 0.00050 0.00050 0.010 0.000017 12.6 0.00050 0.00010 0.00101 0.000101 0.00050 0.00050 0.00050 0.00050	0.00017 0.00010 0.00452 0.00050 0.00050 0.000017 10.8 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050
Arsenic Barlum Beyflum Beyflum Bismuth Boron Cadmium Catclium Chromium Cropper Ivon Lead Lithum Magnesium Manganese Mercury Molybdenum	mgiL mgiL mgiL mgiL mgiL mgiL mgiL mgiL	0.001 0.01 0.01 0.01 0.001 1 0.0001 0.0002 0.001 0.001	0.00010 0.00010 0.000050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0001 0.0001 0.00005 0.0005 0.0005 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.00005 0.0005 0.0005 0.0005	0.893 0.0001 0.0001 0.00005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005		0.005 0.001 0.01 0.001 10 0.0001 10 0.0002 0.001 0.001 6 0.001	0.006 0.001 0.001 0.001 0.0001 9 0.0001 0.0001 0.0001 0.0001 0.0001	0.0012 0.0010 0.00010 0.00017 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0021 0.00018 0.00010 0.00046 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0027 0.00010 0.00010 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.00250 0.0001 0.00015 0.0001 0.00015 0.00001 0.00001 12.7 0.00001 0.001200 0.001200 0.001200 0.00005 0.00005 0.00005 0.00005	0.0001 0.0001 0.0005 0.0005 0.0005 0.00001 10.4 0.0005 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001	0.0014 0.0001 0.0001 0.00001 0.00008 0.00005 0.00005 0.00001 12.2 0.00005 0.00001 0.000005 0.00001 0.000005 0.00001 0.00005	0.0001 0.0001 0.0001 0.0001 0.0001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00005 0.0001 0.00001 0.00001 0.00001	0.0038 0.0001 0.0001 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005	0.00021 0.00010 0.00442 0.00060 0.00060 0.00060 0.00017 10.8 0.00060 0.00010 0.000642 0.000642 0.00060 0.000819 0.00060	0.00010 0.00452 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0001 0.0005 0.0005 0.0005 0.00001 0.00001 10.4 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001	0.0001 0.00499 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.00006 0.00006 0.00006 0.0005 0.000118 0.0000118 0.000011	0.00010 0.00594 0.00050 0.00594 0.00050 0.010 12.6 0.00050 0.00017 12.6 0.00050 0.000101 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.00017 0.00010 0.00452 0.00050 0.00050 0.00050 0.000017 10.8 0.00000 0.000000 0.000000 0.00000000
Arsenic Barlum Beyflum Bismuth Bismuth Boron Cadmium Calcium Chromium Coball Copper kon Lead Lithium Magnesium Magnesium Mercuny Molybdenum Nickel	mgt	0.001 0.01 0.01 0.01 0.01 0.001 1 0.0001 0.0002 0.0001 0.0003 0.001	0.00010 0.00010 0.000050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0001 0.0005 0.0005 0.0005 0.0005 0.0005 0.0001 0.0001 0.0001 0.0001 0.0005 0.0001 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005	0.003 0.0001 0.0001 0.00005 0.0005 0.0001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00005 0.00001 0.00005 0.00001		0.005 0.001 0.01 0.001 10 0.0001 10 0.0021 0.0021 0.003 0.001	0.008 0.001 0.001 0.001 0.0001 9 0.0001 0.0001 0.0001 0.0001 0.0001	0.0012 0.0010 0.00010 0.00010 0.000575 0.00060 0.00060 0.000017 12.1 0.00060 0.00010 0.000010 0.000010 0.000010 0.000010 0.00000000	0.0021 0.00018 0.00018 0.00010 0.00046 0.00050 0.00050 0.00051 0.00060 0.00060 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0027 0.00010 0.00010 0.00451 0.00050 0.00050 0.00051 0.00051 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.00250 0.0001 0.00015 0.0001 0.00015 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005	0.0001 0.0001 0.0005 0.0005 0.0005 0.00001 10.4 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001	0.0014 0.0001 0.0001 0.00001 0.00008 0.00005 0.00005 0.00001 12.2 0.00005 0.00001 0.000005 0.00001 0.000005 0.00001 0.00005	0.0001 0.0001 0.0001 0.0005 0.0005 0.0001 12.20 0.0005 0.0001 0.0007 0.0007 0.0005 0.0005 0.0005	0.0038 0.0001 0.0001 0.0005 0.0005 0.0005 0.00001 12.5 0.00001 0.00007 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005	0.00021 0.00010 0.00442 0.00080 0.00080 0.00080 0.00081 10.8 0.00081 0.00081 0.00081 0.000842 0.00080 0.000842 0.00080 0.00081 0.000819 0.000828	0.00010 0.00452 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0001 0.0001 0.0001 0.0005 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001	0.0001 0.0001 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0001 12.2 0.0005 0.0001 0.00086 0.0005 0.0005 0.0005 0.0001 0.0001	0.00010 0.00010 0.00010 0.00050 0.00050 0.00050 0.00050 0.00017 12.6 0.00010 0.000101 0.000101 0.000101 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.00017 0.00017 0.00017 0.00017 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.0000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.0000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.0000001 0.000001 0.000001 0.000001 0.000001
Arsenic Berlum Berlum Berlum Besmuth Bismuth Bismuth Boron Cadmium Chromium Chromium Chromium Chromium Limhum Magnesium Mercury Molydenum Nickel	mgt	0.001 0.01 0.01 0.01 0.001 1 0.001 0.0001 1 0.0002 0.0001 0.003 0.001 1 0.001 0.0005	0.00010 0.00010 0.000050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0001 0.0001 0.0001 0.0005 0.0005 0.0005 0.0005 0.0001 0.000017 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005	0.803 0.0001 0.0001 0.00005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005		0.005 0.001 0.01 0.01 0.01 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001	0.005 0.001 0.01 0.01 0.01 0.01 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001	0.0012 0.0010 0.00576 0.00000 0.000576 0.00000 0.00000 0.0000000 0.000000 0.000000	0.0021 0.00016 0.00017 0.0046 0.00060	0.0007 0.00070 0.00070 0.00050 0.00007 0.00007 0.00007 0.00007 0.00007 0.00008 0.0008 0.0	0.00250 0.0001 0.00015 0.0005 0.0005 0.00001 12.7 0.00001 0.00001 0.00001 0.00001 0.00001 0.00007 0.0000000000	0.0001 0.0001 0.000467 0.0005 0.0005 0.0005 0.00001 10.4 0.0005 0.0001 0.0001 0.0001 0.0001 0.0005 0.0001 0.0005 0.0001 0.00001 0.0005 0.0001	0.0014 0.0001 0.0001 0.00008 0.0005 0.0005 0.00001 12.2 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001	0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001	0.0008 0.0001 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005	0.00021 0.00010 0.00442 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.00010 0.00010 0.00010 0.00050 0.00050 0.00050 0.00010 0.00010 0.00010 0.00010 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0001 0.00454 0.00454 0.00454 0.0005 0.00007 0.00007 10.4 0.00007 0.00105 0.000105 0.00001 0.00005 0.00001 0.00005 0.00001 0.00005 0.00001 0.00005 0.00001	0.0001 0.00499 0.00499 0.0005	0.00010 0.00010 0.00010 0.00050 0.00050 0.00050 0.00017 12.6 0.00010 0.000101 0.000101 0.000101 0.000101 0.000101 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.00017 0.00017 0.00017 0.00017 0.00017 0.00017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.0000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.0000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.0000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.0000017 0.000
Arsenic Barlum Beryllum Beryllum Bismuth Boron Cadmium Calcium Chromium Coball Copper kon Lead Lithum Magnesium Manganese Mercury Molybdenum	mgt	0.001 0.01 0.01 0.01 0.001 1 0.0001 0.0002 0.001 0.001	0.00010 0.00010 0.000050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0001 0.0005 0.0005 0.0005 0.0005 0.0005 0.0001 0.0001 0.0001 0.0001 0.0005 0.0001 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005	0.893 0.0001 0.0001 0.00005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005		0.005 0.001 0.01 0.001 10 0.0001 10 0.0002 0.001 0.001 6 0.001	0.006 0.001 0.001 0.001 0.0001 9 0.0001 0.0001 0.0001 0.0001 0.0001	0.0012 0.0010 0.00010 0.00010 0.000575 0.00060 0.00060 0.000017 12.1 0.00060 0.00010 0.000010 0.000010 0.000010 0.000010 0.00000000	0.0021 0.00018 0.00018 0.00010 0.00046 0.00050 0.00050 0.00051 0.00060 0.00060 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0027 0.00010 0.00010 0.00451 0.00050 0.00050 0.00051 0.00051 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.00250 0.0001 0.00015 0.0001 0.00015 0.00001 0.00001 12.7 0.00001 0.001200 0.001200 0.001200 0.00005 0.00005 0.00005 0.00005	0.0001 0.0001 0.0005 0.0005 0.0005 0.00001 10.4 0.0005 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001	0.0014 0.0001 0.0001 0.00001 0.00008 0.00005 0.00005 0.00001 12.2 0.00005 0.00001 0.000005 0.00001 0.000005 0.00001 0.00005	0.0001 0.0001 0.0001 0.0001 0.0001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00005 0.0001 0.00001 0.00001 0.00001	0.0038 0.0001 0.0001 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005	0.00021 0.00010 0.00442 0.00080 0.00080 0.00080 0.00081 10.8 0.00081 0.00081 0.00081 0.000842 0.00080 0.000842 0.00080 0.00081 0.000819 0.000828	0.00010 0.00452 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0001 0.0005 0.0005 0.0005 0.00001 0.00001 10.4 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001	0.0001 0.00499 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.00006 0.00006 0.00006 0.0005 0.000118 0.0000118 0.000011	0.00010 0.00010 0.00010 0.00050 0.00050 0.00050 0.00050 0.00017 12.6 0.00010 0.000101 0.000101 0.000101 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.00017 0.00017 0.00017 0.00050 0.00000 0.00000 0.00000 0.00000000
Arsenic Barium Beyflum Bismuth Bismuth Bismuth Cadenium Catcium Chromium Coteti Copper Iron Lead Lithium Magnesium Marganese Mercury Molybdenum Potaesium Potaesium	mgt. mgt. mgt. mgt. mgt. mgt. mgt. mgt.	0.001 0.01 0.01 0.001 0.0001 1 0.0001 0.0001 0.0001 1 0.001 0.001 0.001 0.001	0.00010 0.00010 0.00010 0.000050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0001 0.0001 0.0001 0.00005 0.0005 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.00005	0.003 0.0001 0.0001 0.00005 0.0005 0.0005 0.0001 0.00001 0.00001 0.00001 0.00001 0.00005 0.00001 0.00005 0.00005 0.00005 0.00005 0.00005		0.005 0.007 0.008	0.005 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007	0.00012 0.00010 0.00057 0.00057 0.00057 0.00050 0.000017 12.1 0.00060 0.000017 0.00060 0.000017 0.00060 0.000078 0.00060 0.000078 0.00060 0.00	0.00010 0.00010 0.00010 0.00046 0.00050	8.00070 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010	0.00050 0.000610 0.000610 0.000610 0.000610 0.000610 0.000610	0.0001 0.0001 0.00067 0.0005 0.0005 0.0000 0.0001 0.000001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.00001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.000	0.0014 0.0001 0.0001 0.00001 0.00000 0.00001 12.2 0.00001 12.2 0.00000 0.000000 0.000000 0.000000 0.000000	0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001	0.0008 0.0001 0.0001 0.0005 0.0005 0.0005 0.0005 0.00001 0.0001 12.5 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001	0.00021 0.00070 0.00442 0.00050 0.00050 0.00050 0.00077 10.8 0.000077 10.8 0.000642 0.000642 0.000642 0.000642 0.000642 0.000642 0.000642 0.000642 0.000642 0.000642 0.000642 0.000642 0.000644 0.00064 0.00	0.00010 0.00010 0.00050	0.0001 0.00654 0.0005 0.0005 0.0005 0.0005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005	0.0001 0.00499 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005	0.00010 0.00010 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.00017 0.00017 0.00017 0.00017 0.00017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.00000017 0.00000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.00000017 0.00000017 0.00000017 0.00000017 0.0000000
Arsenic Barlum Beydium Beydium Bismuth Boron Cadmium Catchum Chromium Croper Fon Lead Lithum Magnesum Megnesum Mercury Molybdenum Nickel Phosphorus Potassium Selenium	mgt	0.001 0.01 0.01 0.001 0.0001 1 0.0001 0.0001 0.0001 1 0.001 0.001 0.001 0.001	0.00010 0.00010 0.00010 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	0.0001 0.0001 0.0001 0.00005 0.0005 0.001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005	0.003 0.0001 0.0001 0.00005 0.0005 0.0005 0.0001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00005 0.00001 0.00005 0.00005		0.005 0.007 0.008	0.005 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007	0.0012 0.0010 0.0050 0.0050 0.0050 0.0050 0.00001 0.00001 12.1 0.00001 0.00001 0.00001 0.00001 0.00000 0.00000 0.00000 0.000000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.0000010 0.0000010 0.0000010 0.0000010 0.0000010 0.00000000	0.0027 0.00010 0.00010 0.00451 0.0050	0.000100000000000000000000000000000000	0.0001 0.0001 0.0001 0.0005 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	0.0014 0.0001 0.0001 0.00006 0.00006 0.00006 0.00001 12.2 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006	0.0001 0.0001 0.0001 0.0005 0.	0.0008 0.0007 0.0006 0.0007 12.5 0.0007 0.0006 0.00007 0.0006 0.00007 0.0006 0.0006 0.0006	0.00021 0.00021 0.00042 0.00050 0.0005	0.00010 0.00010 0.000402 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	0.0001 0.0001 0.0005	0.0001 0.00499 0.0005 0.0005 0.001 0.00001 12.2 0.00001 0.00001 0.00001 0.000080 0.000 0.00001 0.000080 0.00001 0.000080 0.00001 0.000080 0.00001	0.00010 0.00594 0.00050	0.00017 0.00017 0.00017 0.00017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.00000017 0.00000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.00000017 0.00000017 0.00000017 0.00000017 0.00000017 0.000000
Arsenic Barlum Beyflum Beyflum Bismuth Boron Cadmium Catclium Chromium Crisonium Cobatt Copper Ivon Lead Lithum Magnesium Magnesium Mercury Molybdenum Nicket Phosphous Pelatistium Selenium Selenium Selenium	mgt	0.001 0.001 0.001 0.001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001	0.00910 0.0091	0.0001 0.0001 0.00005 0.0005 0.0005 0.001 0.0005 0.001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.00005 0.0005 0.00005 0.00005 0.00005 0.00005 0.00005	0.003 0.0001 0.0001 0.00005 0.0005 0.0001 0.00005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005		0.005 0.001 0.001 0.001 10 0.0001 10 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001	0.005 0.001 0.01 0.01 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.005 0.005	0.0012 0.00010 0.000576 0.000570 0.000576 0.0000071 12.1 0.0000078 0.0000078 0.0000078 0.0000078 0.0000000000	0.0001 0.00010 0.00010 0.00010 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	5.0027 6.00010 6.00010 6.00010 6.00010 6.00010 6.000010 6.000000 6.000000 6.0000000000		0.0001 0.0001 0.0001 0.0005 0.0005 0.0005 0.0006 0.0001	0.0014 0.0001 0.0001 0.00008 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006	0.0001 0.0001 0.0001 0.0005 0.0000 0.0000 0.00001 0.00001 0.00000 0.00001 0.00000 0.00000 0.000000	0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.000	0.00021 0.00070 0.00042 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.000600 0.000600 0.000600 0.000600 0.000600 0.000600 0.000600 0.000600	0.00010 0.00452 0.00010 0.00452 0.00000 0.00000 0.0000 0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	0.0001 0.0001 0.0001 0.00064 0.0006	0.0001 0.0001 0.0001 0.00001 0.000001 0.000001 0.000001 0.00000000	0.00010 0.00594 0.00010 0.00594 0.00000 0.00590 0.00000 0.000000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	0.00017 0.00017 0.00017 0.00017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.00000017 0.00000017 0.0000017 0.0000017 0.0000017 0.00000017 0.00000017 0.00000017 0.00000017
Ansenic Bartum Beyflum Beyflum Bismuth Boron Cadmium Catcium Chromium Chromium Chomium Stenium Selevium Selevium Selevium Selevium Silven Sodum Silven Sodum	mgt	0.001 0.001 0.001 0.001 0.001 0.0001 1 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.00000000	0.00910 0.0091	0.0001 0.0001 0.0001 0.00005 0.0005 0.0005 0.0001 0.00017 0.00017 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005	0.803 0.0001 0.0001 0.00005 0.0005		0.005 0.001 0.001 0.001 10 0.0001 10 0.0001 0.0001 0.0001 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000	0.000 0.001 0.001 0.001 0.001 0.001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001	0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.0000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.0000010 0.000010 0.000010 0.000010	0.00010 0.00010	6.0027 6.00010 6.00010 6.00010 6.00010 6.00010 6.000010 6.0000010 6.000010 6.000010 6.000010 6.000010 6.000010 6.000010 6.0000010 6.000010 6.000010 6.000010 6.000010 6.000010 6.000010 6.0000010 6.000010 6.000010 6.000010		0.0001 0.0001	0.0014 0.0001 0.0001 0.00001 0.000001 0.00001 12.2 0.00001 12.2 0.00000 0.000001 0.0000000000	0.0001 0.0001 0.0001 0.0001 0.0001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.000001 0.000001 0.000001 0.000001 0.0000001 0.00000000	0.0000674 0.0000676	0.00021 0.00070 0.00042 0.00060 0.00060 0.00060 0.00060 0.00064 0.00064 0.00064 0.00069 0.0006	0.00010 0.0042 0.00050	0.0001 0.0001 0.0001 0.0001 0.0001 0.00001	0.0001 0.00018 0.0001 0.0008 0.0005 0.0005 0.0005 0.0006	0.00010 0.00594 0.00050 0.00594 0.00050	0.00017 0.00017 0.00017 0.00017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.00000017 0.0000000000
Arsenic Barlum Beylfum Beylfum Bismuth Boron Cadmium Caticium Chromium Chromium Chromium Chromium Chromium Lead Lithum Magnesium Marganese Mercury Molybdenum Nickel Phosphorus Polassium Selenium Silver Sodium Storosum	mgt	0.001 0.001 1 0.001 1 0.0001 1 0.0001	0.00910 0.0091	0.0001 0.0001 0.0001 0.00005 0.0005 0.001 0.0005 0.01 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005	0.003 0.0001 0.0001 0.00005 0.0005		0.000 0.001 0.001 0.001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001	0.000 0.001 0.001 0.001 0.001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001	0.0012 0.00000 0.000000 0.000000 0.000000 0.000000	0.0001 0.00010 0.00010 0.00010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.0000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.0000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.0000010 0.000	0.0020 0.0050 0.		0.0001 0.0001 0.0001 0.0001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001	0.0014 0.0001 0.0001 0.0005	0.0001 0.0001 0.0001 0.0001 0.0001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.000001	0.000074 0.000074 0.000074 0.000074 0.000074 0.000074 0.00007786 0.000077	0.00021 0.00070 0.00042 0.00060 0.0006	0.00010 0.00010 0.00010 0.00010 0.0000010 0.000010 0.0000010 0.0000010 0.0000010 0.0000010 0.0000010 0	0.0001 0.0001 0.0001 0.00054 0.0005 0.0005 0.0005 0.0005 0.0005 0.0001 0.0005 0.0001 0.0005 0	0.0001 0.0001 0.0001 0.0001 0.0005 0.	0.00010 0.00010 0.00010 0.000010 0.000017 12.6 0.000017 12.6 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.0000017 0.0000000000	0.00017 0.00017 0.00017 0.00017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.0000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.0000017 0.000001
Arsenic Barlum Beyffurn Bismuth Boron Cadmium Carcium Chromium Cobatt Copper Iron Lead Lithum Magnesium Manganese Mercuty Molyddenum Nicket Phosphorus Potassium Selenium Selenium Siloon Siloon Siloon Siloon Siloon Siloon	mgt	0.001 0.01 0.01 0.001 0.001 0.0001 1 0.0001 0.0001 0.0001 0.001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001	0.00910	0.0001 0.0001 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0001 0.0001 0.0001 0.0001 0.0005	0.893 0.0001 0.0001 0.00005 0.0005		0.000 0.001 0.001 0.001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001	0.000 0.001 0.001 0.001 0.001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001	0.00012 0.00010 0.00010 0.00010 0.0000010 0.00000000	0.0001 0.00010 0.00010 0.00010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.0000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.0000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.0000010 0.000	6.0027 6.00010 6.00010 6.00010 6.00010 6.00010 6.000010 6.000000 6.000000 6.000000 6.000000 6.000000 6.000000 6.000000 6.00000000		0.0001 0.0001	0.0014 0.0001 0.0001 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.0006 0.0006 0.00006 0.0006	0.0001 0.0001 0.0001 0.0001 0.0001 0.00001 0.000001 12:20 0.0005 0.0001 0.0000000000000000000000	0.0000674 0.0000676	0.00021 0.00071 0.00071 0.00070 0.00070 0.00070 0.00070 0.00071 10.8 0.00070 0.00070 0.00070 0.00070 0.00070 0.00070 0.00070 0.00070 0.00070 0.00070 0.00070 0.00070 0.00070 0.00070 0.00070 0.00070 0.00070 0.00070 0.00070	0.00010 0.00010 0.00010 0.00010 0.0000010 0.000010 0.0000010 0.0000010 0.0000010 0.0000010 0.0000010 0	0.0001 0.0001 0.0001 0.0001 0.0001 0.00001	0.0001 0.0001 0.0001 0.0001 0.00000 0.0000 0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	0.00010 0.00010 0.00001 0.000001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001	0.00017 0.00017 0.00017 0.0000
Arsenic Barium Beryllum Beryllum Bismuth Boron Cadmium Carchium Chromium Coball Copper Iron Lead Lithum Magnesium Marganese Mercury Molybdonum Nickel Prosphorus Prosphorus Prosphorus Podastium Selentium Selentium Selentium Silicon Silver Sodam Strontium Tra	mgt	0.001 0.001 1 0.001 1 0.0001 1 0.0001	0.00010 0.00010 0.00010 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	0.0001 0.0001 0.0001 0.00005 0.00005 0.0001 0.00001	0.003 0.0001 0.0001 0.0001 0.0005 0.0005 0.0005 0.0001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00005 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001		0.000 0.001 0.001 0.001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001	0.000 0.001 0.001 0.001 0.001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001	0.0012 0.00017 12:1 0.000017 12:1 0.000017 0.000017 12:1 0.00000 0.000017 12:1 0.00000 0.000017 0.000017 0.000017 0.000017 0.0000017 0.0000017 0.000017 0.000017 0.000017 0.000017 0.0000017 0.000017 0.0	0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.000010 0	0.0020 0.0050 0.	0.00050 0.000610	0.0001 0.0001	0.0014 0.0001 0.0001 0.00001 0.00001 0.00001 12.2 0.00001 12.2 0.00001	0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.00001	0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.000000	0.00021 0.00071 0.00042 0.000600 0.000600 0.000600 0.000600 0.000600 0.000600 0.000600 0.0006000 0.000600 0.000600 0.000600 0.000600 0.000600 0.000600 0.000600000 0.000600000 0.000600000000	0.00010 0.00010 0.00010 0.00010 0.00001	0.0001 0.0001 0.0001 0.0001 0.00054 0.0006	0.0001 0.0001 0.0001 0.0001 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	0.00010 0.0001	0.00017 0.00017 0.00010 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000
Arsenic Barlum Beyffurn Bismuth Boron Cadmium Carcium Chromium Cobatt Copper Iron Lead Lithum Magnesium Manganese Mercuty Molyddenum Nicket Phosphorus Potassium Selenium Selenium Siloon Siloon Siloon Siloon Siloon Siloon	mgt	0.001 0.001 1 0.001 1 0.0001 1 0.0001	0.00910	0.0001 0.0001 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0001 0.0001 0.0001 0.0001 0.0005	0.893 0.0001 0.0001 0.00005 0.0005		0.000 0.001 0.001 0.001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001	0.000 0.001 0.001 0.001 0.001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001	0.00012 0.00010 0.00010 0.00010 0.0000010 0.00000000	0.0001 0.00010 0.00010 0.00010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.0000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.0000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.0000010 0.000	0.0020 0.0050 0.		0.0001 0.0001	0.0014 0.0001 0.0001 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.0006 0.0006 0.00006 0.0006	0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.00001	0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.000000	0.00021 0.00071 0.00071 0.00070 0.00070 0.00070 0.00070 0.00071 10.8 0.00070 0.00070 0.00070 0.00070 0.00070 0.00070 0.00070 0.00070 0.00070 0.00070 0.00070 0.00070 0.00070 0.00070 0.00070 0.00070 0.00070 0.00070 0.00070	0.00010 0.00010 0.00010 0.00010 0.00001	0.0001 0.0001 0.0001 0.0001 0.0001 0.00001	0.0001 0.0001 0.0001 0.0001 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	0.00010 0.00010 0.00010 0.000010 0.000017 12.6 0.000017 12.6 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.000017 0.0000017 0.0000000000	0.00017 0.00010 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000



TABLE 3.7 BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT LAKE WATER QUALITY SUMMARY DATA AND STATISTICS

Sheardown Lake NW Basin (Surface) Receiving Water Quality 0.001-4\$ DL001-4\$ DL001-5\$ DL001-7\$ DL0 7 01-Aug-06 06-Sep-06 0.097 0.114 0.123 0.094 0.097 0.114 0.122 0.126 0.129 0.094 0.097 0.118 0.122 0.126 0.130 0.130 0.130 0.130 0.130 0.110 0.090 0.097 Dissolved Oxygen mg/L 9.5 11.70 11.56 13.56 18.14 11.55 11.90 11.25 13.63 11.00 11.53 10.93 13.52 14.46 10.74 8.94 7.83 7.95 7.87 7.89 7.97 8.00 8.01 8.00 6.5-9.0 8.26 8.33 7.44 8.20 pН 7.99 7.93 7.2 7.96 7.94 8.15 7.07 Average Depth (m) Flow Rate m3/s 1.0 1.0 1.0 1.0 1.0 18.0 (m) 24.90 21.80 Ice Thickness -May Samples Only 1.80 1.80 Airspace - May Samples Only 0.05 0.00 0.10 Water Depth 7.0 6.4 6.6 23.05 22.5 25.4 23.8 21.2 10.8 10.6 12.0 11.6 20.00 0.35 0.14 0.35 Turbidity NTU 1.7 7.3 0 2.0 7.95 0.13 0.29 3.1 7.5 0 Secchi Disk Depth 6.0 8.25 8.8 5.9 8.25 109 108 120 120 103 109 109 117 125.00 130.00 104 109 108 118 129.00 130.00 130.00 130.00 130.00 130.00 119 93 105 Turbidity NTU 0.1 0.1 0.1 0.1 0.3 0.7 0.8 0.2 0.2 0.3 0.5 0.7 0.30 0.50 0.3 0.3 0.5 0.7 0.40 0.20 0.30 0.40 0.20 0.40 0.2 0.7 1.0 ng/L as CaCO 64.80 64.20 Hardness 0.5 0.5 0.5 53.6 53.4 62.2 60 53.1 53.6 61 63.50 64.10 53.1 53.8 61.2 61.80 60.30 65.20 64.30 59.5 50 50 Total dissolved Solids (TDS) mg/L 84.00 TDS (COND - CALC) mg/L 5 5 5 71 70 78 78 67 76 81.00 84.00 68 71 84.00 84.00 84.00 84.00 84.00 77 Total Suspended Solids (TSS) mg/L 2 2 2.00 25.00 ng/L as CaCO₂ 5 53 64 53 Alkalinity 53 62.00 63.00 64.00 64.00 65.00 65.00 65.00 Bromide (Br') mg/L 0.05 0.05 0.05 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.05 Chloride (Cl⁻) mg/L 2 2 4.00 3.00 4 3.00 4.00 4.00 3.00 2 Sulphate (SO₄²) mg/L 3.00 4.00 4 4.00 4.00 4.00 4.00 2 0.02 0.02 0.02 0.02 0.02 0.02 0.06 0.02 0.02 mg N/L 0.06 0.05 Nitrite (NO₂-) mg N/L 0.005 0.002 0.005 0.100 0.009 Nitrate (NO₃⁻) mg N/L 0.1 0.10 0.1 0.1 13 0.18 NO₂+NO₃ mg N/L 0.10 0.18 0.01 0.003 0.003 0.003 0.004 0.003 0.003 0.004 0.004 0.006 0.007 0.005 0.005 0.003 0.00 0.003 Total Phosphorus mg/L 0.003 0.003 0.004 0.003 0.00 0.00 0.003 mg/L 0.5 0.5 0.5 2.1 1.9 1.8 1.7 1.6 1.8 1.9 1.8 1.80 1.70 1.7 1.7 1.9 1.8 1.90 2.00 2.00 1.80 2.40 1.70 1.8 Total Organic Carbon (TOC) Dissolved Organic Carbon mg/L 0.5 0.5 0.5 1.6 1.8 2.0 1.7 1.6 1.9 1.6 1.70 1.70 1.8 2.0 1.70 1.80 1.80 1.60 2.00 1.60 1.8 Total Kjeldahl Nitrogen (TKN) mg/L 0.05 0.1 0.1 0.27 0.23 0.35 0.07 0.20 0.19 0.14 0.18 0.14 0.34 mg/L 0.001 0.001 0.001 al Metals and Non-Metals mg/L 0.005 0.0010 0.001 0.003 mg/L 0.0001 0.0001 0.00010 0.0001 0.00010 0.00010 0.00010 0.000100 0.0001 0.0001 0.0001 0.00010 0.00010 0.0001 0.0001 0.00 0.00 0.00 0.00 Antimony 0.00010 0.00010 0.001 Barium mg/L 0.01 0.000050 0.00005 0.00005 0.00444 0.004660 0.00537 0.00570 0.00460 0.00436 0.004730 0.00515 0.00523 0.00525 0.00466 0.00439 0.00529 0.00501 0.00511 0.00506 0.00487 0.00511 0.00511 0.00549 0.00050 0.0005 Bismuth mg/L 0.00050 0.0005 0.0005 0.0005 0.00 0.01 mg/L 0.010 0.01 Cadmium 0.0001 0.000017 0.000017 0.00001 0.000029 mg/L 0.05 0.05 10.7 10.4 12.2 10.7 10.5 12 12.60 12.70 12 12.30 13.00 12.90 12.10 13.10 12.90 9 Calcium 0.050 12.0 10.8 10.8 10.8 10.6 11.7 9 Chromium mg/L 0.001 0.00050 0.0005 0.0005 0.0047 Cobalt mg/L 0.0002 0.00010 0.0001 0.0001 0.001 0.00010 0.0001 0.0005 0.00093 0.00079 0.0008 Iron mg/L 0.03 0.030 0.03 0.03 0.3 0.030 0.03 0.030 0.030 0.030 0.030000 0.03 0.03 0.030 0.037000 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.030 0.04 0.001 Lithium mg/L 0.0050 0.005 0.005 0.005 0.005 0.005 0.01 7.78 7.76 0.10 0.1 0.1 6.49 6.47 7.35 7.46 6.38 6.47 6.53 7.25 7.85 6.33 6.51 6.56 7.31 7.54 7.85 7.29 7.89 7.78 7.21 6 Magnesium mg/L 0.00149 0.00138 0.00119 0.00132 0.00108 0.00119 0.0012 0.000844 Manganese mg/L 0.01 0.000050 0.00005 0.00005 0.00132 0.001480 0.00142 0.000521 0.00134 0.00147 0.001460 0.0015 0.00134 0.00113 0.00137 0.00129 0.001520 mg/L 0.0001 0.000050 0.00001 0.00001 0.000026 Mercury 0.000050 0.000702 0.005 0.00005 0.00005 0.073 0.000694 0.00064 0.00064 Nickel mg/L 0.005 0.00050 0.0005 0.0005 0.083 0.00055 0.000650 0.0007 0.00080 0.00064 0.00059 0.000640 0.00065 0.00065 0.00063 0.00062 0.00057 0.00069 0.00063 0.00059 0.00065 0.00064 0.00080 0.003 0.003 0.01 0.767 0.876 0.877 0.71 Potassium mg/L 2.0 0.05 0.05 2.0 0.687 0.806 2.0 0.689 0.906 2.0 2.0 0.703 0.785 0.859 0.887 0.821 0.878 0.879 0.66 mg/L 0.001 0.0010 0.001 0.001 0.001 0.001000 0.00 0.00 Silicon mg/L 0.050 0.05 0.05 0.613 0.593000 0.657 0.720 0.619 0.610 0.614000 0.638 0.64 0.63 0.611 0.622 0.657 0.62 0.63 0.63 0.59 0.64 0.63 0.775 0.0001 0.000001 0.000010 0.00001 Silver mg/L Sodium mg/L 0.05 2.0 0.05 0.0012 0.595 0.693 0.585 0.677 0.001 1.07 0.584 0.68 0.936 1.10 1.16 1.03 1.14 1.12 0.47 0.52 0.00010 0.00749 0.00811 0.00842 Strontium mg/L 0.001 0.0001 0.0001 0.00635 0.006880 0.00795 0.00833 0.00728 0.00643 0.006900 0.00703 0.00644 0.006890 0.00777 0.00796 0.007 0.009 0.01 Tin mg/L 0.00010 0.0001 0.0001 .000100 0.00154 0.000100 0.00065 0.01 0.010 0.01 Uranium mg/L 0.000010 0.00001 0.00001 0.015 0.000530 0.000567 0.000817 0.000678 0.000570 0.000540 0.000575 0.000754 0.000908 0.000913 0.000558 0.000549 0.000783 0.000891 0.000911 0.000909 0.000852 0.000916 0.000908 0.000645 0.001 0.001 mg/L 0.0010 0.006 Zinc mg/L 0.01 0.0010 0.001 0.003 0.03 0.0013 solved Metals and Non-Metals 0.005 0.0010 0.001 0.003 Antimony 0.00010 0.0001 0.0001 0.00019 0.00024 mg/L 0.0001 Barium mg/L 0.01 0.000050 0.00005 0.00005 0.00455 0.00476 0.00515 0.00568 0.00454 0.00456 0.00467 0.0051 0.01 0.00513 0.00454 0.00451 0.00468 0.00514 0.00526 0.00513 0.00503 0.005 0.00653 0.00512 0.00542 Beryllium mg/L 0.00050 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.00 0.00 0.00 0.0005 0.00050 0.0005 Bismuth mg/L Boron 0.01 0.010 0.01 0.01 Cadmium mg/L 0.0001 0.000017 0.000017 0.00001 0.000102 0.05 0.05 12.6 10.8 10.8 12.2 12.20 12.60 10.8 10.5 12.3 12.30 13.10 12.90 12.90 13.00 11.8 10 Calcium mg/L 0.050 10.8 10.5 11.9 10.5 10.9 12.90 10 0.001 0.00050 0.0005 0.0005 mg/L Cobalt 0.0002 0.00010 0.0001 0.0001 Copper mg/L 0.001 0.00010 0.0001 0.0005 0.00088 0.00103 0.00097 0.00079 0.00091 0.00088 0.00096 0.00072 0.00071 0.00086 0.00094 0.00096 0.00072 0.0007 0.00071 0.0007 0.00062 0.0007 0.00092 0.03 Iron mg/L 0.030 0.03 0.03 0.030 0.0300 0.03 0.030 0.0300 0.03 0.03 0.030 0.030 0.03 0.03 0.03 0.03 0.03 0.030 0.03 mg/L 0.00005 0.00005 Lithium mg/L 0.0050 0.005 0.005 6 6 6.47 7.37 6.33 6.46 7.51 6.37 6.46 7.38 7.82 7.74 7.85 7.28 0.10 0.1 0.1 6.59 7.49 6.52 7.38 7.61 6.62 7.49 7.91 7.78 Magnesium mg/L 0.01 0.000131 0.00104 mg/L .000050 0.00001 0.00001 Molybdenum mg/L 0.005 0.000050 0.00005 0.00005 .000497 0.000642 0.000515 0.000518 0.00066 0.000515 0.000510 0.000654 0.000641 0.00050 0.0005 0.0005 0.00058 0.00071 Nickel mg/L 0.005 0.00059 0.00062 0.00080 0.00062 0.00062 0.00066 0.00063 0.00058 0.00059 0.0006 0.00066 0.0006 0.00064 0.0006 0.00057 0.00066 0.00061 0.30 0.003 Potassium mg/L 0.01 2.0 0.05 0.05 0.72 0.794 0.693 0.782 0.000861 0.869 0.683 0.776 0.86 0.883 0.888 0.886 1.17 0.885 0.69 0.68 Selenium mg/L 0.001 0.0010 0.001 0.001 0.567 0.61 0.64 mg/L 0.050 0.05 0.05 0.606 0.574 0.636 0.723 0.610 0.624 0.642 0.62 0.60 0.609 0.613 0.579 0.636 0.63 0.62 0.61 0.61 0.795 Silicon 0.00001 0.0001 0.000001 1.07 1.10 Sodium mg/L 0.05 2.0 0.05 0.0012 0.716 0.686 2.0 0.658 0.689 0.948 1.04 0.703 0.677 0.927 1.14 1.36 1.10 2.0 0.49 0.52 0.00649 0.00707 0.00823 0.00719 0.00777 0.0079 0.00645 0.00799 0.00803 0.00795 0.00816 0.00798 0.00808 0.001 0.00010 0.0001 0.0001 0.00646 0.00759 Strontium mg/L 0.00784 0.0069 0.0083 0.0074 0.00786 0.00785 0.007



TABLE 3.7 BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT LAKE WATER QUALITY SUMMARY DATA AND STATISTICS

Parameters	Units	Method Detection	Method Detection	Method Detection	Method Detection	Receiving Water Quality Guidelines	DI 0.01-1-D	DI 0-01-1-D	DI 0.01.1/B)	DL0-01-1-B	DI O.01-1-R	DI 0.01.1.D	DI 0.01-1-D	Sheardown L		DI 0.01-2-B	DI O.01-2-B	DL0-01-3-D	DI 0.01.4.S	DI 0.01.4.D	Print Dec/2	DLO-01-4-
In Situ Parameters	Onics	Limit 2006	Limit 2007	Limit 2008	Limit 2011	2011				31-Jul-08			06-Sep-11					06-May-07			31-Jul-08	
Temperature	°C	-		-			7.2	5.7		8.3	6.4	6.67	8.59	7.8	5.6	8.4	6.4	1.2	9.1	5.7	11.6	6.4
Specific Conductance	mS/cm	-	-				0.098	0.097		0.114	0.122	0.126	0.130	0.098	0.097	0.113	0.122	0.115	0.098	0.097	0.117	0.122
Dissolved Oxygen	mg/L		-	-		9.5	12.00	11.40		11.38	13.64			12.11	8.50	11.25	13.7	18.18	10.88	11.40	10.95	13.56
pH		-	-	-		6.5-9.0		8.19		7.33	7.35	7.74	7.97		8.21	7.3	7.35			8.24	7.34	7.36
Wetted Width Average Depth (m)	m (m)			-																		
Average Depth (m) Flow Rate	(m) m3/s			-																		
Measured Depth (m)	(m)	-					22.0	19.0						12.5	18.0			6.0	6.0	6.0		
Total Depth - May Samples Only	m			-														9.50				
Ice Thickness -May Samples Only	m			-														2.10				
Airspace - May Samples Only	m			-														0.15				
Snow Depth - May Samples Only	m		-	-														0.02				
Water Depth	m		-	-			22.8	22.4		21.5	20.6			13	19.9	17.2	14.7	7.25	6.6	7.0	6.0	6.6
Turbidity	NTU		-	-						2.0	6.8			0.23		2.50	7.2	0	0.19	0.35	3.2	7.5
Secchi Disk Depth	m		-	-			8.5	8.1		6.4	5.25			9.6	7.4	6.7	5.5		6.6	7.0	5.8	5
General Parameters and Nutrients pH				1		6.5-9.0	8.36	8.02	7.93	7.81	7.83	7.32	6.89	8.30	8.02	7.85	7.85	6.82	8.34	8.02	7.93	7.87
Conductivity	μS/cm	5	5	6	5		105	109	133	107	118	129.00	129	103	109	106	118	121	103	109	108	118
Turbidity	NTU	0.1	0.1	0.1	0.1		0.5	0.4	0.6	18.6	0.8	0.50	0.3	1.4	0.3	0.6	0.8	0.2	0.3	0.3	0.6	0.7
Hardness	mg/L as CaCO ₃	1	0.5	0.5	0.5		52.2	53.5	64.0		61.1	63.80	63.8	52.6	53.5		60.7	61	53.8	53.4		61.7
Total dissolved Solids (TDS)	mg/L				1																	
TDS (COND - CALC)	mg/L	5	5	5			68	71	87	70	77	84.00	84	67	71	69	77	79	67	71	70	77
Total Suspended Solids (TSS)	mg/L		2	2	2		2	2	2	44	2	5.00	2	3	2	2	2	2	2	2	2	2
Alkalinity	mg/L as CaCO ₃	5	5	5	5		52	53	65	52	56	64.00	64	50	53	52	56	63	50	53	53	56
Bromide (Br')	mg/L	0.05	0.05	0.05	0.25		0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.05	0.25	0.25	0.25	0.25
Chloride (Cl*)	mg/L	1	1	1	1	120	1	2	2	2	2	3.00	4	1	2	2	2	2	1	2	2	3
Sulphate (SO ₄ ²)	mg/L	1	1	1	1		1 0 00	3	3	1	1	4.00	4	1 0.00	3	1	1	2	1	3	1	1
Ammonia (NH ₃ +NH ₄)	mg N/L	0.02	0.02	0.02	0.02	0.021-231	0.02	0.02	0.12	0.02	0.02	0.08	0.03	0.02	0.02	0.02	0.02	0.02	0.02		0.02	0.02
Nitrite (NO ₂ ')	mg N/L	0.005	0.002	0.006	0.100	0.06	0.002	0.002	0.005	0.005	0.005	0.10	0.005	0.002	0.002	0.005	0.005	0.0020	0.002		0.005	0.005
Nitrate (NO ₃ ⁻) NO ₂ +NO ₃	mg N/L	0.1	0.10	0.1	0.1	13	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10		0.10	0.10
NO ₂ +NO ₃ Total Phosphorus	mg N/L mg/L	0.1	0.10	0.1	0.1		0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10		0.10	0.10
		0.01											3.003									
Total Organic Carbon (TOC)	mg/L		0.5	0.5	0.5		2.0	1.8	1.6	1.8	1.8	1.80	1.9	2.0	1.7	1.7	1.8	2.0	2.2	1.8	1.8	1.9
Dissolved Organic Carbon	mg/L		0.5	0.5	0.5		2.3	1.8	1.6	1.8	1.6	1.60	1.7	2.0	1.6	1.7	1.6	1.9	2.0	1.6	2.0	1.6
Total Kjeldahl Nitrogen (TKN) Phenols	mg/L mg/L	0.001	0.05	0.1	0.1	0.004	0.27	0.11	0.35	0.16	0.1	0.10	0.10	0.18	0.10	0.17	0.1	0.05	0.10	0.11	0.15	0.33
Total Metals and Non-Metals	mgc	0.001	0.001	0.001	0.001		0.001	0.001	0.001	0.001	0.007	0.001	0.001	0.001	0.001	0.001	0.007	0.007	0.001	0.001	0.001	0.001
Aluminium	mg/L	0.005	0.0010	0.001	0.003	0.005-0.1	0.0055	0.0080	0.00710	0.013300	0.0113	0.0148	0.0262	0.0051	0.0081	0.016000	0.0114	0.0010	0.0039	0.0035	0.015300	0.0114
Antimony	mg/L	-	0.00010	0.0001	0.0001		0.00010	0.00010	0.00010	0.0001	0.0001	0.0001	0.0001	0.00010	0.00010	0.0001	0.0001	0.00010	0.00010	0.00010	0.0001	0.0001
Arsenic Barium	mg/L mg/L	0.001	0.00010	0.0001	0.0001	0.005	0.00010	0.00010	0.00010	0.0001	0.0001	0.0001	0.0001	0.00010	0.00010	0.0001	0.0001	0.00010	0.00010	0.00010	0.0001	0.0001
Beryllium	mg/L	0.01	0.00050	0.0005	0.0005		0.00050	0.00050	0.00012	0.0005	0.0005	0.00028	0.00022	0.00050	0.00050	0.004070	0.0002	0.00050	0.00050	0.00050	0.0005	0.0005
Bismuth	mg/L		0.00050	0.0005	0.0005		0.00050	0.00050	0.00050	0.0005	0.0005	0.0005	0.0005	0.00050	0.00050	0.0005	0.0005	0.00050	0.00050	0.00050	0.0005	0.0005
Boron	mg/L	0.01	0.010	0.01	0.01	1.5	0.010	0.010	0.01000	0.01	0.01	0.01	0.01	0.010	0.010	0.01	0.01	0.010	0.010	0.010	0.01	0.01
Cadmium	mg/L	0.0001	0.000017	0.000017	0.00001	0.000029	0.000017	0.000017	0.00001	0.00001	0.00001	0.00001	0.00001	0.000017	0.000017	0.00001	0.00001	0.000017	0.000017	0.000017	0.00001	0.00001
Calcium	mg/L	1	0.050	0.05	0.05		10.7	10.8	12.6	10.5	12	12.70	12.3	10.8	10.8	10.3	12	11.9	10.9	10.9	10.6	12.1
Chromium	mg/L	0.001	0.00050	0.0005	0.0005	0.0047	0.00050	0.00050	0.00050	0.0005	0.0005	0.0005	0.0005	0.00050	0.00050	0.0005	0.0005	0.00050	0.00050	0.00050	0.0005	0.0005
Cobalt	mg/L	0.0002	0.00010	0.0001	0.0001		0.00010	0.00010	0.00010	0.0001	0.0001	0.0001	0.0001	0.00010	0.00010	0.0001	0.0001	0.00010	0.00010	0.00010	0.0001	0.0001
Copper	mg/L	0.001	0.00010	0.0001	0.0005	0.002	0.00085	0.00078	0.00121	0.002150	0.00126	0.0008	0.00083	0.00084	0.00084	0.001420	0.00092	0.00101	0.00088	0.00080	0.001620	0.00089
Iron Lead	mg/L mg/L	0.001	0.030	0.00005	0.003	0.3	0.000050	0.030	0.03000	0.00005	0.00005	0.00005	0.00005	0.000050	0.000050	0.00005	0.03	0.000050	0.000050	0.030	0.00005	0.00005
Lithium	mg/L	0.001	0.0050	0.005	0.005	0.001	0.0050	0.0050	0.00500	0.005	0.005	0.005	0.005	0.0050	0.0050	0.005	0.005	0.0050	0.0050	0.0050	0.005	0.005
Magnesium	mg/L	1	0.10	0.1	0.1		6.27	6.49	7.77	6.55	7.26	7.79	8.02	6.29	6.51	6.39	7.26	7.33	6.35	6.53	6.56	7.38
Manganese	mg/L	0.01	0.000050	0.00005	0.00005		0.00160			0.001510	l			0.00159				0.000434				
Mercury	mg/L	0.0001	0.000050	0.00001	0.00001	0.000026	0.000050	0.000050	0.00001	0.00001	0.00001	0.00001	0.00001	0.000050	0.000050	0.00001	0.00001	0.000050	0.000050	0.000050	0.00001	0.00001
Molybdenum	mg/L	0.005	0.000050	0.00005	0.00005	0.073	0.000511	0.000489	0.00069	0.000537	0.000628	0.000701		0.000527	0.000545	0.000541	0.0006	0.000631	0.000549	0.000538	0.000509	0.000652
Nickel	mg/L	0.005		0.0005	0.0005	0.083		0.00061	0.00081	0.000660	0.0007	0.00064	0.00077	0.00060	0.00066	0.000650	0.0007	0.00079	0.00063	0.00062		0.00069
Phosphorus Potassium	mg/L	0.01	0.30	0.003	0.003		0.30	0.30	0.941	0.706	0.778	0.883	0.885	0.30	0.30	0.690	0.771	0.30	0.30	0.30	0.000000	0.804
Selenium	mg/L mg/L	0.001	0.0010	0.001	0.001	0.001	0.0010	0.0010	0.00100	0.001	0.001	0.001	0.001	0.0010	0.0010	0.001	0.001	0.0010	0.0010	0.0010	0.001	0.001
Silicon	mg/L		0.050	0.05	0.05		0.622	0.625	0.80400	0.602000	0.65	0.66	0.68	0.612	0.618	0.589000	0.659	0.702	0.613	0.616	0.633000	0.651
Silver	mg/L	0.0001	0.000010	0.00001	0.000001	0.0001	0.000010	0.000010	0.00001	0.00001	0.00001	0.000001	0.000001	0.000010	0.000010	0.00001	0.00001	0.000010	0.000010	0.000010	0.00001	0.00001
Sodium	mg/L	0.05	2.0	0.05	0.0012		2.0	2.0	0.790	0.611	0.689	0.96	1.06	2.0	2.0	0.589	0.673	2.0	2.0	2.0	0.553	0.699
Strontium	mg/L	0.001		0.0001	0.0001		0.00697	0.00664	0.00921	0.007040	0.00767	0.00811	0.00846	0.00689	0.00649	0.006710	0.00772	0.00826	0.00691	0.00667	0.006730	0.00795
Thallium	mg/L		0.00010	0.0001	0.0001	0.0008	0.00010	0.00010	0.00010	0.0001	0.0001	0.0001	0.0001	0.00010	0.00010	0.0001	0.0001	0.00010	0.00010	0.00010	0.0001	0.0001
Tin Titanium	mg/L mg/L	0.01	0.00010	0.0001	0.0001		0.00010	0.00010	0.00138	0.0001	0.0001	0.0001	0.0001	0.00010	0.00010	0.000120	0.0001	0.00049	0.00010	0.00010	0.0001	0.0001
Uranium	mg/L mg/L		0.010	0.0001	0.001	0.015	0.000550		0.01000			0.00091						0.000668				
Vanadium	mg/L	0.001	0.00010	0.0001	0.0001	0.006	0.0010	0.0010	0.00100	0.001	0.001	0.001	0.001	0.0010	0.0010	0.001	0.001	0.0010	0.0010	0.0010	0.001	0.001
Zinc	mg/L	0.01	0.0010	0.001	0.003	0.03	0.0010	0.0011	0.00180	0.001	0.001	0.003	0.003	0.0010	0.0010	0.001	0.001	0.0010	0.0010	0.0010	0.001	0.001
Dissolved Metals and Non-Metals Aluminium	mell	0.005	0.0010	0.001	0.003		0.0010	0.0082	0.00330	0.0042	0.0025	0.009	0.0036	0.0039	0.0070	0.0044	0.0049	0.0014	0.0047	0.0027	0.0016	0.0044
Aluminum	mg/L mg/L		0.0010	0.001	0.003		0.0010	0.00010	0.00330	0.0012	0.0025	0.003	0.0035	0.0038	0.0070	0.0014	0.0012	0.00010	0.0047	0.0027	0.0016	0.0011
Arsenic	mg/L	0.001	0.00010	0.0001	0.0001		0.00010	0.00010	0.0001	0.0001	0.0001	0.0001	0.0001	0.00010	0.00010	0.0001	0.0001	0.00010	0.00010	0.00010	0.0001	0.0001
					0.00005		0.00463	0.00449				0.00511	0.00494	0.00451	0.00430	0.00474	0.00512	0.00573	0.00452	0.00436	0.00479	
Barium	mg/L	0.01	0.000050	0.00005	0.00000			0.00445	0.00639	0.00458	0.00502	0.00011						0.00050	0.00050	0.00050	0.0005	
Barium Beryllium	mg/L	0.01	0.000050	0.0005	0.0005		0.00050	0.00050	0.00639	0.00458	0.00502	0.0005	0.0005	0.00050	0.00050	0.0005	0.0005	0.00000				0.0005
		0.01					0.00050							0.00050	0.00050	0.0005	0.0005	0.00050	0.00050	0.00050	0.0005	0.0005
Beryllium	mg/L	0.01	0.00050	0.0005	0.0005					0.0005	0.0005		0.0005				0.0005 0.0005 0.01		0.00050	0.00050	0.0005	
Beryllium Bismuth	mg/L mg/L	0.01	0.00050 0.00050 0.010 0.000017	0.0005 0.0005 0.01 0.000017	0.0005 0.0005 0.01 0.00001		0.00050 0.010 0.000017	0.00050 0.00050 0.010 0.000017	0.0005 0.0005 0.010 0.00001	0.0005 0.0005 0.0100 0.0000	0.0005 0.0005 0.01 0.00001	0.0005 0.0005 0.01 0.00001	0.0005 0.0005 0.01 0.00001	0.00050 0.010 0.000017	0.00050 0.010 0.000017	0.0005 0.01 0.00001	0.0005 0.01 0.00001	0.00050 0.010 0.000017	0.010	0.010	0.00001	0.0005 0.01 0.00001
Beryllium Bismuth Borron Cadmium Calcium	mg/L mg/L mg/L mg/L mg/L	0.01	0.00050 0.00050 0.010 0.000017	0.0005 0.0005 0.01 0.00017 0.000017	0.0005 0.0005 0.01 0.0001 0.00001		0.00050 0.010 0.000017	0.00050 0.00050 0.010 0.000017 10.7	0.0005 0.0005 0.010 0.00001 12.7	0.0005 0.0005 0.0100 0.0000 10.5	0.0005 0.0005 0.01 0.00001 12.2	0.0005 0.0005 0.01 0.00001 12.30	0.0005 0.0005 0.01 0.00001 12.5	0.00050 0.010 0.000017 10.7	0.00050 0.010 0.000017 10.8	0.0005 0.01 0.00001 10.3	0.0005 0.01 0.00001 12.1	0.00050 0.010 0.000017	0.010	0.010	0.00001	0.0005 0.01 0.00001 12.4
Beryffum Bismuth Boron Cadmium Cafclum	mg/L mg/L mg/L mg/L mg/L mg/L	0.01 0.0001 1 0.0001	0.00050 0.00050 0.010 0.000017 0.050 0.00060	0.0005 0.0005 0.01 0.000017 0.05	0.0005 0.0006 0.01 0.0001 0.05		0.00050 0.010 0.000017 10.6	0.00050 0.00050 0.010 0.000017 10.7	0.0005 0.0005 0.010 0.00001 12.7	0.0005 0.0005 0.0100 0.0000 10.5	0.0005 0.0005 0.01 0.00001 12.2	0.0005 0.0005 0.01 0.00001 12:30	0.0005 0.0005 0.01 0.00001 12.5	0.00050 0.010 0.000017 10.7	0.00050 0.010 0.000017 10.8	0.0005 0.01 0.00001 10.3 0.0005	0.0005 0.01 0.00001 12.1	0.00050 0.010 0.000017 12.1	0.010 0.000017 11.1 0.00050	0.010 0.000017 10.7 0.00050	0.00001 10.4 0.0005	0.0005 0.01 0.00001 12.4 0.0005
Beyflum Bismuth Boron Cadmium Catcium Chromium Cobat	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.01 0.0001 1 0.0001 0.0002	0.00050 0.00050 0.010 0.00017 0.050 0.00050	0.0005 0.0005 0.01 0.00017 0.05 0.0005	0.0005 0.0005 0.01 0.0001 0.0001 0.005		0.00050 0.010 0.000017 10.8 0.00050 0.00010	0.00050 0.00050 0.010 0.000017 10.7 0.00050 0.00010	0.0005 0.0005 0.010 0.00001 12.7 0.0005	0.0005 0.0005 0.0100 0.0000 10.5 0.0005	0.0005 0.0005 0.01 0.00001 12.2 0.0005	0.0005 0.0005 0.01 0.00001 12.30 0.0005	0.0005 0.0005 0.01 0.00001 12.5 0.0005	0.00050 0.010 0.000017 10.7 0.00050	0.00050 0.010 0.000017 10.8 0.00050	0.0005 0.01 0.00001 10.3 0.0005	0.0005 0.01 0.00001 12.1 0.0005 0.0001	0.00050 0.010 0.000017 12.1 0.00050	0.010 0.000017 11.1 0.00050	0.010 0.000017 10.7 0.00050	0.00001 10.4 0.0005 0.0001	0.0005 0.01 0.00001 12.4 0.0005
Beyflum Bismuth Boron Cadmium Catchum Chromium Choper Copper	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.01 0.0001 1 0.0001 0.0002	0.00050 0.00050 0.00050 0.010 0.000017 0.050 0.00050 0.00010	0.0005 0.0005 0.01 0.00017 0.00017 0.0001 0.0001	0.0005 0.0005 0.011 0.00001 0.05 0.0005 0.0005		0.00050 0.010 0.00017 10.6 0.00050 0.00010 0.00094	0.00050 0.00050 0.010 0.000017 10.7 0.00050 0.00010	0.0005 0.0005 0.010 0.00001 12.7 0.0005 0.0001	0.0005 0.0005 0.0100 0.0000 10.5 0.0005 0.0001	0.0005 0.0005 0.01 0.00001 12.2 0.0005 0.0001 0.00094	0.0005 0.0005 0.001 0.00001 12.30 0.0005 0.0001 0.00071	0.0005 0.0005 0.01 0.00001 12.5 0.0005 0.0001 0.00073	0.00050 0.010 0.00017 10.7 0.00050 0.00010	0.00050 0.010 0.000017 10.8 0.00050 0.00010 0.00090	0.0005 0.01 0.00001 10.3 0.0005 0.0001	0.0005 0.01 0.00001 12.1 0.0005 0.00094	0.00050 0.010 0.00017 12.1 0.00050 0.00010	0.010 0.000017 11.1 0.00050 0.00010 0.00094	0.010 0.000017 10.7 0.00050 0.00010	0.00001 10.4 0.0005 0.0001	0.0005 0.01 0.00001 12.4 0.0005 0.0001
Beyflum Bismuth Boron Cadmium Calcium Chromium Chromium Cobatt Copper	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.01 0.0001 1 0.0001 0.0002 0.001	0.00050 0.00050 0.010 0.00017 0.050 0.00050 0.00050 0.00010 0.00010	0.0005 0.001 0.001 0.00017 0.005 0.0005 0.0005 0.0001 0.0001	0.0005 0.0005 0.011 0.00001 0.05 0.0005 0.0005 0.0005		0.00050 0.010 0.000017 10.8 0.00050 0.00010 0.00094	0.00050 0.00050 0.00050 0.00017 10.7 0.00050 0.00010 0.00010	0.0005 0.0005 0.010 0.00001 12.7 0.0005 0.0001 0.001200	0.0005 0.0005 0.0000 10.5 0.0005 0.0005 0.0001	0.0005 0.001 0.0001 12.2 0.0005 0.0001 0.00094	0.0005 0.001 0.0001 12.30 0.0005 0.0001 0.00071	0.0005 0.0005 0.001 0.00001 12.5 0.00001 0.00001 0.00001	0.00050 0.010 0.00017 10.7 0.00050 0.00010 0.00084	0.00050 0.010 0.00017 10.8 0.00050 0.00010 0.00090	0.0005 0.01 0.00001 10.3 0.0005 0.0001 0.00097	0.0005 0.01 0.00001 12.1 0.0005 0.0001 0.00094	0.00050 0.010 0.000017 12.1 0.00050 0.00010 0.00099	0.010 0.000017 11.1 0.00050 0.00010 0.00094	0.010 0.000017 10.7 0.00050	0.00001 10.4 0.0005 0.0001 0.00089	0.0005 0.01 0.00001 12.4 0.0005 0.0001 0.00091
Beyflum Bismuth Boron Cadmium Cadmium Chromium Chromium Chomium Chomium Lead	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.01 0.0001 1 0.0001 0.0002	0.00050 0.00050 0.010 0.00017 0.000017 0.00050 0.00050 0.00050 0.00010 0.00010	0.0005 0.0005 0.011 0.000017 0.05 0.0005 0.0001 0.0001 0.0001	0.0005 0.0005 0.001 0.0001 0.0005 0.0005 0.0005 0.0005		0.00050 0.010 0.000017 10.8 0.00050 0.00010 0.00094 0.030	0.00050 0.00050 0.010 0.00017 10.7 0.00050 0.00010 0.00099	0.0005 0.0005 0.010 0.00001 12.7 0.0005 0.0001 0.001200 0.030	0.0005 0.0000 0.0000 0.0000 10.5 0.0000 0.0000 0.00001 0.00102 0.00001	0.0005 0.001 0.0001 12.2 0.0005 0.0001 0.00001 0.00001	0.0005 0.001 0.0001 12.30 0.0005 0.0005 0.00071	0.0005 0.001 0.0001 12.5 0.0005 0.0001 0.00073 0.00073	0.00050 0.010 0.000017 10.7 0.00050 0.00010 0.00084 0.030	0.00050 0.010 0.000017 10.8 0.00050 0.00010 0.00090 0.00090	0.0005 0.01 0.00001 10.3 0.0005 0.0001 0.00097 0.003	0.0005 0.01 0.00001 12.1 0.0005 0.00094 0.03	0.00050 0.010 0.00017 12.1 0.00050 0.00010 0.00099 0.030	0.010 0.000017 11.1 0.00050 0.00010 0.00094 0.030	0.010 0.000017 10.7 0.00050 0.00010 0.00094 0.030	0.00001 10.4 0.0005 0.0001 0.00089 0.03	0.0005 0.01 12.4 0.0005 0.0009 0.0009 0.0009
Beyflum Blanuth Bloron Cadmium Cadmium Chromium Chromium Cobatt Copper Ivon Lead Lithium	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.01 0.0001 1 0.0001 0.0002 0.001	0.00050 0.00050 0.010 0.00017 0.050 0.00050 0.00010 0.00010 0.00010 0.00050 0.00050	0.0005 0.0005 0.01 0.00017 0.000017 0.00001 0.0001 0.0001 0.0001 0.0001 0.0005	0.0005 0.0006 0.01 0.0001 0.00001 0.0005 0.0005 0.0005 0.0005		0.00050 0.010 0.000017 10.6 0.000010 0.000010 0.000000 0.000000 0.000000	0.00050 0.00050 0.010 0.00017 10.7 0.00050 0.00010 0.00099 0.000050 0.00050	0.0005 0.0005 0.010 0.00001 12.7 0.0005 0.0001 0.001200 0.001200 0.0005 0.0005	0.0005 0.0005 0.0100 0.0000 10.5 0.0005 0.0001 0.00102 0.00001 0.00005	0.0005 0.0005 0.01 0.00001 12.2 0.0005 0.0001 0.00094 0.03 0.0005	0.0005 0.0001 0.0001 12.30 0.0005 0.0001 0.00071 0.00071 0.0005	0.0005 0.0005 0.01 0.00001 12.5 0.0005 0.0001 0.00001 0.00073 0.03	0.00050 0.010 0.00017 10.7 0.00050 0.00010 0.00084 0.000050 0.00050	0.00050 0.010 0.00017 10.8 0.00050 0.00010 0.00090 0.00090 0.00050	0.0005 0.01 0.00001 10.3 0.0005 0.0001 0.00097 0.003 0.0001	0.0005 0.01 0.00001 12.1 0.0005 0.00094 0.03 0.00005	0.00050 0.010 0.00017 12.1 0.00050 0.00010 0.00090 0.00050	0.010 0.000017 11.1 0.00050 0.00010 0.00094 0.030 0.00050	0.010 0.000017 10.7 0.00050 0.00010 0.00094 0.030 0.00050	0.00001 10.4 0.0005 0.0001 0.00089 0.03 0.0001	0.0005 0.01 0.00001 12.4 0.0005 0.00091 0.00091 0.00005
Beyflum Bismuth Boron Cadmium Catchium Chromium Chromium Cocati Copper Ico Lead Lithum Magnesium	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.01 0.0001 1 0.0001 0.0002 0.001	0.00050 0.00050 0.010 0.00017 0.000017 0.00050 0.00050 0.00050 0.00010 0.00010	0.0005 0.0005 0.011 0.000017 0.05 0.0005 0.0001 0.0001 0.0001	0.0005 0.0005 0.001 0.0001 0.0005 0.0005 0.0005 0.0005		0.00050 0.010 0.000017 10.8 0.00050 0.00010 0.00094 0.030	0.00050 0.00050 0.010 0.00017 10.7 0.00050 0.00010 0.00099	0.0005 0.0005 0.010 0.00001 12.7 0.0005 0.0001 0.001200 0.030	0.0005 0.0000 0.0000 0.0000 10.5 0.0000 0.0000 0.00001 0.00102 0.00001	0.0005 0.001 0.0001 12.2 0.0005 0.0001 0.00001 0.00001	0.0005 0.001 0.0001 12.30 0.0005 0.0005 0.00071	0.0005 0.001 0.0001 12.5 0.0005 0.0001 0.00073 0.00073	0.00050 0.010 0.000017 10.7 0.00050 0.00010 0.00084 0.030	0.00050 0.010 0.00017 10.8 0.00050 0.00010 0.00090 0.00090	0.0005 0.01 0.00001 10.3 0.0005 0.0001 0.00097 0.003	0.0005 0.01 0.00001 12.1 0.0005 0.00094 0.03	0.00050 0.010 0.00017 12.1 0.00050 0.00010 0.00099 0.030	0.010 0.000017 11.1 0.00050 0.00010 0.00094 0.030	0.010 0.000017 10.7 0.00050 0.00010 0.00094 0.030	0.00001 10.4 0.0005 0.0001 0.00089 0.03	0.0005 0.01 12.4 0.0005 0.0005 0.00091 0.00091 0.00005 0.00005 0.0005
Beyflum Blannuth Bloon Cadmium Catcium Chromium Chromium Cropper Load Lead Lithium Magnesium Manganese	mgil mgil mgil mgil mgil mgil mgil mgil	0.01 0.0001 1 0.0001 0.0002 0.0001 0.001	0.00050 0.00050 0.010 0.00017 0.050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0005 0.0005 0.001 0.00017 0.005 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0005	0.0005 0.0005 0.0005 0.0001 0.00001 0.00001 0.00005 0.00005 0.00005		0.00000 0.000017 10.6 0.000010 0.000010 0.00000 0.000000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000	0.00050 0.00050 0.000017 10.7 0.00050 0.00010 0.000010 0.00050 0.00050 0.00050 0.00050 0.00050	0.0005 0.0001 0.0001 12.7 0.0005 0.0001 0.001200 0.0020 0.0005 0.0005 0.0005 0.00005	0.0005 0.0005 0.0000 0.0000 10.5 0.0001 0.0000 0.00102 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	0.0005 0.0005 0.001 12.2 0.0005 0.001 0.00094 0.00094 0.0005 0.0005 7.42 0.000141	0.0005 0.0005 0.0001 12.30 0.0005 0.0005 0.00071 0.0005 0.0005 0.0005 0.0005 0.0005	0.0005 0.001 0.0001 12.5 0.0005 0.0001 0.000073 0.00073 0.0005 7.84 0.00005	0.00050 0.00017 10.7 0.00050 0.00010 0.00010 0.00050 0.00050 0.00050 0.00050 0.00050	0.000007 10.8 0.000017 10.8 0.00050 0.00010 0.00090 0.000050 0.00050 0.00050 0.00050	0.0005 0.01 10.3 0.0001 10.3 0.0005 0.0001 0.00097 0.0001 0.00099	0.0005 0.001 12.1 0.0005 0.0001 0.00094 0.03 0.00005 0.0005 7.39	0.00050 0.010 0.00017 12.1 0.00050 0.00010 0.00099 0.00050 0.00050 0.00050 0.00050	0.010 0.000017 11.1 0.00050 0.00010 0.00094 0.00050 0.00050 0.00050 0.00050	0.010 0.000017 10.7 0.00050 0.00010 0.00094 0.00050 0.000050 0.00050 0.00050	0.0001 10.4 0.0005 0.0001 0.00089 0.03 0.0001 0.0005 0.0001	0.0005 0.01 0.00001 0.00001 0.00001 0.00001
Beryflum Blanuth Boron Cadmium Catchium Chromium Chromium Cotasti Copper Ivon Lead Lithum Magnesium	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.01 0.0001 1 0.0001 0.0002 0.0001 0.001	0.00050 0.00050 0.010 0.00017 0.050 0.00050 0.00010 0.00010 0.00050 0.00050 0.10	0.0005 0.0005 0.001 0.00017 0.000017 0.005 0.0005 0.0001 0.0001 0.0001 0.0001 0.0005 0.0001	0.0005 0.0005 0.0005 0.01 0.0001 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005		0.00050 0.010 0.000017 10.6 0.000010 0.000010 0.000094 0.000067 0.000067	0.00060 0.000017 10.7 0.000010 0.00010 0.00010 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000	0.0005 0.0005 0.0001 12.7 0.0005 0.0001 0.001200 0.001200 0.0005 0.0005 0.000144 0.00001	0.0005 0.0000 0.0000 10.5 0.0000 0.0000 0.00102 0.0001 0.0005 0.0001	0.0005 0.001 0.0001 12.2 0.0005 0.0001 0.00001 0.00094 0.00094 0.0005 0.00005 0.00005	0.0005 0.0001 12.30 0.00001 0.00001 0.00001 0.00001 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005	0.0005 0.0005 0.001 12.5 0.0005 0.0001 0.00073 0.00 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005	0.00050 0.00017 10.7 0.00050 0.00010 0.00080 0.00010 0.00050 0.00050 0.00050 0.00050	0.00050 0.010 0.000017 10.8 0.00050 0.00010 0.00090 0.00050 0.00050	0.0005 0.01 0.0001 10.3 0.0005 0.0001 0.00097 0.003 0.0001 0.0005 6.53	0.0005 0.01 0.00001 12.1 0.00005 0.00001 0.000094 0.03 0.00005 7.39	0.00050 0.010 0.000017 12.1 0.00050 0.00010 0.00090 0.00050 7.47 0.000229	0.010 0.000017 11.1 0.00050 0.00010 0.00094 0.00050 0.00050 0.00050	0.010 0.000017 10.7 0.00050 0.00010 0.00094 0.030 0.00050 0.00050	0.0001 10.4 0.0005 0.0001 0.00089 0.03 0.0001 0.0005 0.0005 0.0001	0.0005 0.01 0.00001 12.4 0.0005 0.0001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001
Beyfilum Blannuth Boron Cadmilum Cadmilum Chromium Chromium Chromium Chromium Lead Lithum Listum Magnesium Manganese Mercury Molybderum	mgi. mgi. mgi. mgi. mgi. mgi. mgi. mgi.	0.01 0.0001 1 0.0001 0.0002 0.001 0.003 0.001	0.00050 0.00050 0.00050 0.000017 0.000010 0.00010 0.00010 0.00050 0.00050 0.10	0.0005 0.0005 0.0001 0.00017 0.05 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0005 0.0005 0.0005	0.0005 0.0005 0.0005 0.0001 0.0001 0.05 0.0001 0.0001 0.0005 0.0005 0.0005 0.0005		0.00000 0.000017 10.6 0.000010 0.000010 0.00000 0.000000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000	0.00060 0.000017 10.7 0.000010 0.00010 0.00010 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000	0.0005 0.0001 0.0001 12.7 0.0005 0.0001 0.001200 0.0020 0.0005 0.0005 0.0005 0.00005	0.0005 0.0000 0.0000 10.5 0.0000 0.0000 0.00102 0.0001 0.0005 0.0001	0.0005 0.0001 0.00001 12.2 0.00005 0.0001 0.00094 0.000 0.0005 7.42 0.000141 0.00001	0.0005 0.0005 0.0001 12:30 0.00001 0.00001 0.00071 0.0005 0.0005 0.0005 0.0005 0.0005	0.0005 0.0005 0.01 0.00001 12.5 0.0005 0.0001 0.00073 0.0005 0.0005 7.84 0.00005 0.00001	0.00050 0.010 0.000017 10.7 0.00050 0.00010 0.00084 0.00050 0.00050 6.28 0.00105 0.00050 0.00050	0.00050 0.00017 10.8 0.00050 0.00010 0.00090 0.00090 0.00050 0.00050	0.0005 0.001 0.00001 10.3 0.0001 0.0001 0.0009 0.0001 0.0005 6.53 0.000099 0.00001	0.0005 0.001 12.1 0.0005 0.0001 0.00094 0.03 0.0005 7.39 0.000111	0.00050 0.010 0.000017 12.1 0.00050 0.00010 0.00090 0.00050 7.47 0.000229	0.010 0.000017 11.1 0.00050 0.00010 0.00094 0.00050 0.00050 0.00050	0.010 0.000017 10.7 0.00050 0.00010 0.000050 0.000050 0.000050	0.0001 10.4 0.0005 0.0001 0.00089 0.03 0.0001 0.0005 0.0001	0.0005 0.01 0.00001 12.4 0.0005 0.0001 0.00001 0.0001 0.0001 0.00001 0.00001
Beyflum Bismuth Bismuth Boron Cadmium Catcium Chromium Chromium Choper Load Lead Lead Lethum Magnesium Marganese Mercury	mgL	0.01 0.0001 1 0.0002 0.0002 0.001 0.03 0.001 1 0.001	0.00050 0.00050 0.010 0.00017 0.000010 0.00010 0.00010 0.00010 0.00050 0.00050 0.10	0.0005 0.0005 0.0001 0.00017 0.05 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.00005	0.0005 0.0005 0.0005 0.0001 0.05 0.00001 0.00001 0.00005 0.0005 0.0005 0.0005 0.00005		0.00050 0.010 0.000017 10.6 0.00050 0.00010 0.00094 0.00050 0.00050 6.24 0.00122 0.00050 0.00050	0.00050 0.00050 0.000017 10.7 0.00050 0.00010 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0005 0.0005 0.010 0.00001 12.7 0.0005 0.0001200 0.0005 0.0005 0.00005 0.000005 0.000144 0.000019	0.0005 0.0000 0.0000 10.5 0.0000 0.00001 0.00000 0.00001 0.00000 0.00001 0.00000 0.00000 0.000000 0.000000 0.000000	0.0005 0.0001 0.00001 12.2 0.00005 0.0001 0.00094 0.000 0.0005 0.0005 7.42 0.000141	0.0005 0.0001 12.30 0.00001 0.00001 0.00001 0.00001 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005	0.0005 0.0005 0.001 12.5 0.0005 0.0001 0.00073 0.00 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005	0.00050 0.00017 10.7 0.00050 0.00010 0.00080 0.00010 0.00050 0.00050 0.00050 0.00050	0.00050 0.010 0.000017 10.8 0.00050 0.00010 0.00000 0.00050 0.0050 6.44 0.00144 0.00050 0.00050	0.0005 0.01 10.3 0.0005 0.0001 0.00097 0.0001 0.00099 0.000099	0.0005 0.01 0.00001 12.1 0.00001 0.00004 0.00005 0.0005 7.39 0.000111 0.00001	0.00050 0.000017 12.1 0.000010 0.00050 0.00099 0.00050 0.00050 7.47 0.000229 0.00050	0.010 0.00017 11.1 0.00050 0.00010 0.00094 0.030 0.00050 0.00050 0.00050 0.00050 0.00050	0.010 0.000017 10.7 0.00050 0.00010 0.00094 0.030 0.00050 0.00050 0.00050 0.00050	0.00001 10.4 0.0005 0.0001 0.00089 0.003 0.0001 0.0005 0.0001 0.0005 0.0001 0.0005	0.0005 0.01 0.0000 12.4 0.0005 0.0009 0.0009 0.000 0.0000 0.00012 0.000000 0.0000000000
Beryffum Bismuth Boron Cadmium Cadmium Calcium Chromium Coletium Chromium Coletium Lead Lifnium Magnesium Manganese Metcury Molybdenum Nicket	mgt. mgt. mgt. mgt. mgt. mgt. mgt. mgt.	0.01 0.0001 1 0.0002 0.0002 0.001 0.03 0.001 1 0.001	0.00050 0.00050 0.010 0.00017 0.050 0.00010 0.00010 0.00010 0.00050 0.00050 0.00050 0.00050 0.00050	0.0005 0.0005 0.01 0.00017 0.000 0.0001 0.0001 0.0001 0.0001 0.0005 0.0005 0.0005 0.00005 0.00005 0.00005 0.00005	0.0005 0.0005 0.0005 0.0001 0.05 0.00001 0.00001 0.00005 0.0005 0.0005 0.0005 0.00005		0.00060 0.010 10.6 0.000017 10.6 0.00050 0.000004 0.000067 0.000067 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.00050 0.00050 0.010 0.00017 10.7 0.00050 0.00010 0.00099 0.00050 0.00050 0.00137 0.00050 0.00050	0.0005 0.0005 0.010 0.00001 12.7 0.0005 0.0001200 0.0005 0.0005 0.00005 0.000005 0.000144 0.000019	0.0005 0.0000 0.0000 10.5 0.0000 0.00001 0.00000 0.00001 0.00000 0.00001 0.00000 0.00000 0.000000 0.000000 0.000000	0.0005 0.0001 0.00001 12.2 0.00005 0.0001 0.00094 0.000 0.0005 7.42 0.000141 0.00001	0.0005 0.0005 0.0001 12:30 0.00001 0.00001 0.00071 0.0005 0.0005 0.0005 0.0005 0.0005	0.0005 0.0005 0.01 0.00001 12.5 0.0005 0.0001 0.00073 0.0005 0.0005 7.84 0.00005 0.00001	0.00050 0.010 0.000017 10.7 0.00050 0.00010 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.00050 0.00017 0.000017 10.8 0.00060 0.00010 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000	0.0005 0.001 0.00001 10.3 0.0001 0.0001 0.0009 0.0001 0.0005 6.53 0.000099 0.00001	0.0005 0.01 0.00001 12.1 0.00001 0.00004 0.00005 0.0005 7.39 0.000111 0.00001	0.00050 0.010 0.000017 12.1 0.00050 0.00010 0.00099 0.00050 7.47 0.000229 0.00050 0.00050	0.010 0.00017 11.1 0.00050 0.00010 0.00094 0.00050 0.00050 0.00050 0.0050 0.0050 0.00050 0.00050	0.010 0.000017 10.7 0.00050 0.00094 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.000516	0.00001 10.4 0.0005 0.0001 0.00089 0.003 0.0001 0.0005 0.0001 0.0005 0.0001 0.0005	0.00000 12.4 0.0000 12.4 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000
Beryflum Bismuth Boron Cadmium Catcium Chromium Chromium Cotosat Copper Lon Lead Liftium Magnesium Magnese Mercury Molydeferum Nickel	mgi. mgi. mgi. mgi. mgi. mgi. mgi. mgi.	0.01 0.001 1 0.0001 1 0.0002 0.001 0.003 0.001 1 0.001	0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0005 0.0005 0.001 0.001 0.00017 0.005 0.005 0.005 0.0001 0.0001 0.0005 0.0005 0.005 0.005 0.005 0.005 0.005 0.005	0.0005 0.0006 0.001 0.001 0.0001 0.005 0.0001 0.005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005		0.00050 0.010 0.000017 10.6 0.00050 0.00010 0.000060 0.000060 0.000060 0.00050 0.00050 0.000527	0.00050 0.00050 0.010 0.000017 10.7 0.00050 0.00010 0.00099 0.00050 0.00050 0.00050 0.00050 0.000519	0.0005 0.0005 0.00001 12.7 0.0005 0.0001 0.001200 0.001200 0.0005 7.85 0.000144 0.00001 0.000699	0.0005 0.0005 0.0000 10.5 0.0000 0.00001 0.00001 0.00001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001	0.0005 0.0005 0.0001 12.2 0.0005 0.0001 0.00094 0.0005 0.0005 0.0005 0.0001 0.00005 0.0001 0.00005	0.0005 0.001 0.0001 12.30 0.00001 12.30 0.00001 0.00001 0.00001 0.00001 0.00005 0.00001 0.00001 0.00001	0.0005 0.0005 0.0001 12.5 0.0005 0.0001 0.00073 0.0005 0.0005 7.84 0.00005 0.000097	0.00050 0.010 10.7 0.00050 0.00010 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.00060 0.010 10.8 0.000017 10.8 0.00050 0.00010 0.00000 0.000050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0005 0.01 10.3 0.0005 0.0001 0.00097 0.0001 0.00001 0.00009 0.00001 0.000099 0.00001	0.0005 0.01 12.1 0.00001 12.1 0.00005 0.00001 0.000084 0.0000005 0.00005 0.00001 0.0000647 0.000062	0.00050 0.010 0.000017 12.1 0.00050 0.00010 0.00099 0.000050 0.00050 7.47 0.000229 0.00050 0.00050 0.00050	0.010 0.000017 11.1 0.00050 0.00010 0.00094 0.000 0.00050 0.0050 0.0050 0.00050 0.00050 0.00050 0.00050 0.00050	0.010 0.000017 10.7 0.00050 0.00010 0.000050 0.00050 0.00050 0.00050 0.000516	0.00001 0.0005 0.0005 0.0009 0.0008 0.000 0.0005 0.0005 0.0005 0.000153 0.00001	0.0000 12.4 0.0000 12.4 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000
Beyflum Bismuth Bismuth Bismuth Bismuth Cadmium Calcium Calcium Chromium Chromium Cobati Copper bon Lead Lithium Magnesium Marganese Mercury Molybdenum Nickel Phosphorus Potassium	mgi. mgi. mgi. mgi. mgi. mgi. mgi. mgi.	0.01 0.001 1 0.001 0.0002 0.001 0.03 0.001 1 0.001	0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0005 0.0005 0.001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005	0.0005 0.0001 0.0001 0.00001 0.00001 0.00001 0.00001 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005		0.00060 0.010 10.6 0.000017 10.6 0.00050 0.000000 0.000067 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.00050 0.000017 10.7 0.00050 0.00010 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0005 0.00001 12.7 0.00001 12.7 0.0005 0.0001 0.001200 0.0005 0.0005 0.0005 0.00005 0.00005 0.000001 0.000001	0.0005 0.0005 0.0000 10.5 0.0000 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005	0.0005 0.0005 0.001 0.00001 12.2 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005	0.0005 0.001 0.0001 12.30 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0006 0.0006 0.0006	0.0005 0.0001 12.5 0.00001 12.5 0.00001 0.00007 0.00007 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005	0.00050 0.010 10.7 10.7 0.00050 0.00010 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.00060 0.010 10.8 0.000017 10.8 0.00060 0.00010 0.00000 0.000050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0005 0.001 10.3 0.0005 0.0001 0.00097 0.0001 0.00001 0.00001 0.000099 0.00001 0.000538	0.0005 0.01 12.1 0.0005 0.0001 0.00094 0.000 0.0005 0.0005 0.00011 0.00001 0.000047 0.00062	0.00050 0.010 0.00017 12.1 0.00050 0.00010 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.010 0.000017 11.1 0.00050 0.00010 0.00094 0.000 0.00050 0.00050 0.00050 0.00050 0.00058 0.00058 0.00058	0.010 0.000017 10.7 0.00050 0.00010 0.000050 0.00050 0.00050 0.00050 0.00050 0.000516 0.00062	0.0001 0.0005 0.0001 0.0008 0.0001 0.0008 0.0001 0.0005 6.52 0.000153 0.0001 0.00054	0.0000 12.4 0.0000 12.4 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.00000 0.00000 0.0000 0.00000 0.00000 0.00000 0.000000
Beyflum Bismuth Bismuth Boron Cadmium Calcium Calcium Cobatt Copper bon Lead Lithium Magnesium Manganese Mercury Molybdenum Nicket Phosphous Pedastium Selenium	mgi. mgi. mgi. mgi. mgi. mgi. mgi. mgi.	0.01 0.001 1 0.001 0.0002 0.001 0.03 0.001 1 0.001	0.00050 0.00050 0.00050 0.00051 0.000017 0.050 0.00050 0.00050 0.00050 0.10 0.00050 0.00050 0.00050 0.00050 0.00050	0.0005 0.0005 0.01 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005	0.0005 0.0005 0.011 0.00005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005		0.00050 0.010 10.6 0.000017 10.6 0.00050 0.000	0.00050 0.00050 0.00050 0.00017 10.7 0.00050 0.00010 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0005 0.0005 0.0001 12.7 0.0005 0.0001 0.001200 0.001200 0.0005	0.0005 0.0005 0.0100 0.0100 0.0000 10.5 0.0000 0.00010 0.00102 0.00001 0.00102 0.00001 0.00005 0.00005 0.00005 0.00005	0.0005 0.0001 0.0001 12.2 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0006 0.0006 0.0006 0.0006 0.0006 0.0006 0.0006 0.0006 0.0006 0.0006 0.0006 0.0006 0.0006 0.0006	0.0005 0.0001 12:30 0.0001 12:30 0.00001 0.00001 0.00001 0.00001 0.00005 0.00005 0.00005 0.00006 0.00001	0.0005 0.0005 0.01 0.00001 12.5 0.0005 0.0005 0.00073 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005	0.00050 0.010 10.7 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.00050 0.010 10.8 0.00060 0.00060 0.00060 0.00090 0.00090 0.00090 0.00050 0.0	0.0005 0.001 0.00001 10.3 0.0005 0.0001 0.00097 0.0001 0.0001 0.0001 0.00099 0.00001 0.000099 0.00001 0.000099 0.00001 0.000099 0.00001 0.000099 0.00001 0.000099 0.00001 0.000099 0.00001 0.000099 0.00001 0.000099 0.00001 0.000099 0.00001 0.000099 0.000099 0.000099 0.000099 0.000099 0.000099 0.000099 0.000099 0.000099 0.000099 0.000099 0.000099 0.000009 0.00009 0.00009 0.00009 0.00009 0.00009 0.00009 0.000009 0.00009 0.00009 0.00009 0.00009 0.00009 0.00009 0.000009 0.00009 0.00009 0.00009 0.00009 0.00009 0.00009 0.000009 0.00009 0.00009 0.00009 0.00009 0.00009 0.00009 0.000009 0.000009 0.000009 0.00000 0.00000 0.00000 0.00000 0.000000 0.000000 0.000000 0	0.0005 0.01 12.1 0.0005 0.0001 0.00094 0.03 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.000647 0.00062	0.00050 0.010 0.00017 12.1 0.00050 0.00010 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.010 0.000017 11.1 0.00050 0.00010 0.00010 0.00050 0.00050 0.00050 0.00050 0.000528 0.00063 0.000528 0.00063	0.010 0.000017 10.7 0.00050 0.00094 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.00001 10.4 0.0005 0.0009 0.0009 0.0001 0.0005 0.000153 0.000153 0.00001 0.000534	0.0005 0.0000 0.00
Beyfilum Bismuth Boron Cadmium Cadmium Calcium Chromium Coball Copper Ron Lead Lehum Magnesium Magnesium Manganese Mercury Molybdenum Nickel Phosphorus Putastium Selenium Selenium Selenium Selenium Silicon	mgt. mgt. mgt. mgt. mgt. mgt. mgt. mgt.	0.01 0.0001 1 0.0001 0.0001 0.001 0.001 1 0.001	0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0005 0.0005 0.0005 0.00017 0.000017 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.00005 0.0005 0.0005 0.0005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005	0.0005 0.0006 0.01 0.0006 0.01 0.00001 0.0006 0.00001 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.1 0.00005 0.1 0.00005		0.00050 0.010 0.000017 10.6 0.000017 10.6 0.000010 0.000010 0.000067 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.00050 0.00017 10.7 0.000010 0.00010 0.000010 0.000010 0.000000 0.00000 0.00000 0.00000 0.000000	0.0005 0.0005 0.010 0.00001 12.7 0.00005 0.0010 0.001200 0.001200 0.0005 7.85 0.000144 0.00005 0.000699 0.000699	0.0005 0.0005 0.0100 0.0100 0.0000 10.5 0.0000 0.000102 0.000102 0.00000 0.000000 0.0000000 0.00000000	0.0005 0.0001 12.2 0.0001 12.2 0.0001 0.00001 0.00001 0.00001 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005	0.0005 0.0001 12.30 0.0001 12.30 0.0001 0.00001 0.00001 0.00005 0.00005 0.00001 0.00001 0.00001 0.00001	0.0005 0.0001 12.5 0.0001 12.5 0.0001 0.0001 0.0001 0.00003 0.00005 0.00005 0.00005 0.000097 0.0000997 0.000099	0.00050 0.010 0.000017 10.7 0.00050 0.00010 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.00050 0.010 10.8 0.00060 0.00060 0.00060 0.00090 0.00090 0.00090 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0005 0.0001 10.3 0.0005 0.0001 0.00097 0.0001 0.0001 0.0005 6.53 0.000099 0.00001 0.000099 0.00001 0.000099 0.00001 0.000099 0.00001	0.0005 0.01 12.1 12.1 0.0005 0.0001 0.00094 0.03 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005	0.00050 0.00017 12.1 0.00050 0.00010 0.00010 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.010 0.000017 11.1 0.00050 0.00010 0.00010 0.00004 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.010 0.000017 10.7 0.00050 0.00010 0.00094 0.00050 0.00050 0.00050 0.00050 0.000516 0.00062 0.00062 0.00064	0.00001 10.4 0.0005 0.0001 0.00089 0.0001 0.0005 0.0001 0.0005 0.000153 0.000163 0.00001 0.000534 0.00068	0.0005 12.4 0.0000 12.4 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
Beryflum Bismuth Boron Cadmium Cadmium Catetum Chromium Cobatt Copper Iron I Lead Lithium Magnesium Marganese Mercury Molydonum Nickel Phosphous Podas sium Selenium Selenium Selenium Selenium Selenium Selenium Selenium	mgt. mgt. mgt. mgt. mgt. mgt. mgt. mgt.	0.001 0.0001 1 0.0001 0.0001 0.0001 1 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001	0.00050 0.00050 0.010 0.00010 0.00010 0.00010 0.00010 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.0005 0.0005 0.001 0.00017 0.00017 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005	0.0005 0.0006 0.001 0.00006 0.01 0.00006 0.0006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006		0.00050 0.010 0.000017 10.8 0.000010 0.000010 0.00004 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.00006 0.0006	0.00500 0.00050 0.00050 0.00007 10.7 10.7 0.00050 0.00	0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.00069 0.000690 0.000690 0.000690 0.000690 0.000690	0.0005 0.0005 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	0.0005 0.0005 0.0005 0.001 0.00001 12.2 12.2 0.0005 0.0001 0.00094 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005	0.0005 0.0005 0.01 0.00001 12.30 0.00001 0.00071 0.00007 0.00007 0.000007 0.000001 0.000001	0.0050 0.0051 0.0051 0.0051 0.0051 12.5 0.0005 0.00051 0.0005	0.00050 0.010 0.000017 10.7 0.00050 0.00010 0.00050	0.00050 0.010 0.000017 10.8 0.000050 0.000010 0.000000 0.000000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	0.0005 0.0001 10.3 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001	0.0005 0.01 12.1 0.0005 0.0006 0.00094 0.0005 0.0005 0.0005 0.0006	0.00050 0.010 0.00017 12.1 0.000010 0.00099 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.010 0.000017 11.1 0.00050 0.00010 0.00010 0.00000 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.010 0.000017 10.7 0.00050 0.00004 0.000050 0.000050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.00001 10.4 0.0005 0.0001 0.00089 0.03 0.0001 0.0005 6.52 0.000153 0.000534 0.00058	0.000000000000000000000000000000000000
Beyflum Bismuth Boron Cadmium Catcium Chromium Cotostii Copper Ivon Lead Lifbum Magnesium Magnesium Mercury Molybetenum Nickel Phosphous Potessium Selenium Selenium Selenium Selenium Silicon	mgi. mgi. mgi. mgi. mgi. mgi. mgi. mgi.	001 0001 1 00001 00001 00002 00002 00001 1 00000 00000 00000 00000 00000 00000 0000	0.00950 0.00050 0.00050 0.00050 0.00050 0.0000000 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00	0.0005 0.0001 0.00017 0.00017 0.00017 0.00017 0.0001 0.0001 0.0001 0.0001 0.0001 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005	0.0005 0.0001 0.0001 0.0001 0.0001 0.00001 0.00001 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005		0.00050 0.010 0.000017 10.6 0.000010 0.000000 0.000000 0.000000 0.000000 0.000000	0.00500 0.00500	0.0005 0.0006 0.0007 0.0007 12.7 12.7 0.0007 0.0007 0.0007 0.0007 0.0008	0.0005 0.0006 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	0.0050 0.0050 0.01 0.00007 12.2 0.00007 0.00009 0.0000 0.000000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	0.0005 0.0005 0.001 0.0007 12.30 0.0007 0.0007 0.0007 0.0006	0.0005 0.0006 0.01 0.0007 12.5 0.0007 0.0007 0.0007 0.0006	0.00050 0.010 0.000017 10.7 0.000010 0.000010 0.000000 0.000000 0.000000 0.000000 0.000000	0.00050 0.010 0.00017 10.8 0.000010 0.00090 0.00090 0.00000 0.000000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000	0.0005 0.0001 10.3 10.3 0.0001 10.00009 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00000000	0.0006 0.001 12.1 0.0006 0.0007 10.0006 0.0007 0.0006 0.0007 0.0006	0.00060 0.010 0.00017 12.1 0.000010 0.00010 0.00090 0.000050 0.000050 0.000050 0.000050 0.000050 0.000050 0.000050 0.000050 0.000050 0.000050 0.000050 0.000050 0.000050	0.00017 11.1 0.00080 0.00010 0.00080 0.00010 0.00080	0.010 0.000017 10.7 0.00050 0.00016 0.00016 0.00050 0.00050 0.00050 0.000516 0.000516 0.000510 0.000510 0.000510 0.000510	0.00001 10.4 0.0005 0.00001 0.00009 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.000534 0.0006 0.711 0.007	0.0005 0.0001 12.4 0.0001
Beyflum Bismuth Bismuth Boron Cadmium Cadmium Catcium Chromium Cobett Copper Icon Lead Lithium Magnesium Marganese Mercury Molyborum Nicket Phosphorus Protestium Selenium Selenium Siloon Siloon Siloon Siloon Siloon Siloon	mgi. mgi. mgi. mgi. mgi. mgi. mgi. mgi.	001 0001 1 00001 00001 00002 00002 00001 1 00000 00000 00000 00000 00000 00000 0000	0.00050 0.00050	0.0005 0.0001 0.001 0.00017 0.00017 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.00005 0.0005	0.0005 0.0005 0.0005 0.011 0.00005 0.0005 0.0005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005		0.000010 0.00017 0.00	0.00500 0.00500	0.0005 0.0006 0.0007 0.0007 12.7 12.7 0.0007 0.0007 0.0007 0.0007 0.0008	0.0006 0.0006	0.0005 0.0006 0.0007	0.0005 0.0005 0.001 0.0007 12.30 0.0007 0.0007 0.0007 0.0006	0.0005 0.0006 0.0006 0.00073 0.0006 0.00073 0.0006	0.00050 0.010 0.000017 10.7 0.000010 0.000010 0.000000 0.000000 0.000000 0.000000 0.000000	0.00500 0.0050	0.0005 0.07 0.0001 10.3 0.0001	0.0006 0.001 12.1 0.0006 0.0007 10.0006 0.0007 0.0006 0.0007 0.0006	0.00060 0.010 0.00017 12.1 0.000010 0.00010 0.00090 0.000050 0.000050 0.000050 0.000050 0.000050 0.000050 0.000050 0.000050 0.000050 0.000050 0.000050 0.000050 0.000050	0.00017 11.1 0.00080 0.00017 11.1 0.00080 0.00010 0.00094 0.00050 0.00	0.010 0.000017 10.7 0.00050 0.00016 0.00016 0.00050 0.00050 0.00050 0.000516 0.000516 0.000510 0.000510 0.000510 0.000510	0.0001 10.4 0.0006 0.0006 0.0007 0.0008 0.0007 0.0008 0.0007 0.0008 0.0007 0.0008 0.0007 0.0008 0.0007 0.0008 0.0007 0.0008 0.0007 0.0008 0.0007 0.0008 0.0008	0.0005 0.0001
Beyflum Bismuth Bismuth Boron Cadmium Catchium Chromium Chromium Chromium Chromium Chromium Chromium Lead Lithum Magnesium Magnesium Mercury Molydenum Nickel Phosphous Potassium Selerisium Selerisium Silicon Silicon Silicon Silicon Tan	mgi. mgi. mgi. mgi. mgi. mgi. mgi. mgi.	0.01 0.001 1 0.0001 1 0.0001 0.0002 0.001 0.001 0.001 0.005 0.006 0.006	0.00990 0.00990 0.00900 0.00900 0.00900 0.00900 0.00900 0.009000 0.00900 0.00900 0.00900 0.00900 0.00900 0.00900 0.00900 0.009000 0.00900 0.0000000 0.0000000 0.000000	0.0005 0.0001 0.001 0.00017 0.00017 0.005 0.005 0.0001 0.0001 0.0001 0.0001 0.0001 0.00005	0.0005 0.0001 0.0001 0.0001 0.0001 0.00005 0.0005 0.0005 0.00005 0.00005 0.00005 0.00005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005		0.00000 0.00001 0.0000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.00000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.0000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.0000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.0000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.0000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.0000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.0000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.0000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.0000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.0000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.0000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.0000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.0000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.0000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.0000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.00000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.0000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.0000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.0000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.0000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.0000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.0000001 0.00000000	0.00500 0.00500	0.0005 0.0005 0.0005 0.0007 0.00007 0.0007 0	0.005 0.005	0.005 0.005 0.005 0.007 0.005 0.007 0.0007 0	0.005 0.005 0.006 0.006 0.0071 0.0007	0.0005 0.0005 0.0007 0.	0.00000 0.00000 0.000000 0.000000 0.000000	0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	0.00000 0.00001 10.3 10.3 10.3 10.3 10.3	0.00001 0.0001 0.0001 0.00001 0.00001 0.00001 0.00000 0.00001 0.00000 0.00001 0.000001 0.000001 0.000001 0.000001 0.00001	0.0090 0.010 0.000077 12.1 0.000000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	0.000 0.00001	0.0101 0.00017 10.7 10.7 10.7 0.000017 10.7 0.00004 0.00004 0.00006 0.0000 0.00006 0.0006	0.0001 10.4 0.0006	0.0005 0.0001 12.4 0.0005 12.4 0.0005 0.0001 12.4 0.0005 0.0001
Beyflum Bismuth Bismuth Boron Cadmium Cadmium Catcium Chromium Cobett Copper Icon Lead Lithium Magnesium Marganese Mercury Molyborum Nicket Phosphorus Protestium Selenium Selenium Siloon Siloon Siloon Siloon Siloon Siloon	mgi. mgi. mgi. mgi. mgi. mgi. mgi. mgi.	0.01 0.001 1 0.0001 1 0.0001 0.0002 0.001 0.001 0.001 0.005 0.006 0.006	0.00050 0.00050	0.0005 0.0001 0.001 0.00017 0.00017 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.00005 0.0005	0.0005 0.0005 0.0005 0.011 0.00005 0.0005 0.0005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005		0.000010 0.00017 0.00	0.00500 0.00500	0.0005 0.0005 0.0005 0.0001 0.00001 0.00001 0.00001 0.00000000	0.005 0.005	0.0005 0.0005 0.0005 0.0001 122 0.0005	0.005 0.005 0.006 0.006 0.0071 0.0007	0.0005 0.0005 0.0007 0.	0.00000 0.00000 0.000000 0.000000 0.000000	0.00500 0.0050	0.0005 0.07 0.0001 10.3 0.0001	0.0000 0.001 0.0	0.0090 0.010 0.000077 12.1 0.000000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	0.000 0.00001	0.00010 0.000017 10.7 10.7 10.000017 10.000010 0.000010 0.000001 0	0.0001 10.4 0.0006 0.0006 0.0007 0.0008 0.0007 0.0008 0.0007 0.0008 0.0007 0.0008 0.0007 0.0008 0.0007 0.0008 0.0007 0.0008 0.0007 0.0008 0.0007 0.0008 0.0008	0.0005 0.0001 12.4 0.0005 12.4 0.0005 0.0001 12.4 0.0005 0.0001



TABLE 3.7 BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT LIAKE WATER CIULI ITY SIMMARY DATA AMO STATISTICS.

Sheardown Lake NW Basin (Bottom) Receiving Water Quality Guidelines Standard Number of Percentage Deviation Detects of Detects DL001-5D DL001-5D DL001-5D DL001-5D DL001-5D DL001-5D DL001-5D DL001-5D DL001-5D DL001-7D DL0 Mean mS/cm 0.118 0.093 0.097 0.113 0.125 0.130 0.093 0.097 0.113 0.115 0.122 0.125 0.130 0.130 0.130 0.130 0.130 0.113 0.014 71 100% Dissolved Oxygen mg/L 9.5 2.74 11.78 11.40 11.49 13.67 11.25 11.40 11.23 11.30 13.52 12.11 2.57 51 100% 7.94 7.83 7.94 8.020 8.020 8.020 6.5-9.0 7.30 8.21 8.010 55 100% pН 8.20 7.36 7.29 7.26 7.35 55 7.82 0.37 Average Depth (m) Flow Rate m3/s 10.0 8.3 21.0 21.5 21.0 10.0 7.8 26 (m) 26 18.73 7.29 24.90 Ice Thickness -May Samples Only 1.80 6 1.90 0.15 100% Airspace - May Samples Only 0.05 0.07 0.07 6 100% 0.12 Water Depth 23.05 22.5 25.4 23.8 21.2 10.8 10.6 11.9 12.0 11.6 47 15.86 6.53 47 100% Turbidity NTU 303> 1.5 7.3 0.15 0.29 1.2 3.5 7.5 41 2.95 4.10 41 100% Secchi Disk Depth 5.9 8.25 3.3 6.0 6.51 1.60 5 115 103 110 105 118 125.00 130.00 110 109 103 107 118 129.00 130.00 130.000 130.000 129.000 130.000 73 115.822 10.914 73 100% Turbidity NTU 0.1 0.1 0.1 0.1 0.2 0.2 0.6 0.5 2.8 0.30 0.20 0.3 0.3 1.5 0.6 0.7 0.40 0.40 0.400 0.200 0.300 0.500 73 0.759 2.149 73 100% mg/L as CaCC 61.3 Hardness 0.5 0.5 0.5 57.2 52.2 53.8 61.6 62.90 64.10 52.5 53.9 50.6 62.90 60.70 64.100 62.400 66.700 65.000 64 58.392 5.426 64 100% mg/L TDS (COND - CALC) mg/L 5 5 75 67 72 68 77 81.00 84.00 72 71 67 70 77 84.00 84.00 84.000 84.000 84.000 84.000 69 75.957 6.558 69 100% Total Suspended Solids (TSS) mg/L 2 2 69 3.058 5.731 68 99% mg/L as CaCO 54 53 53 73 56.973 5.776 100% 56 55 63.00 64.00 64.000 mg/L 0.05 0.05 0.05 0.25 0.25 0.25 0.25 0.25 0.25 73 0.223 0.069 73 100% Chloride (Cl') mg/L 2 2 2 2 3.00 3.00 2 2 3.00 3.00 4.000 3.000 3.000 3.000 73 2.219 0.854 55 75% Sulphate (SO₄²) 1.238 4.000 73 2.342 75% mg/L 3.00 4.00 4.00 4.00 4.000 4.000 4.000 55 0.02 0.02 0.02 0.02 0.021-231 0.03 0.02 0.02 72 0.026 0.016 mg N/L 0.03 0.08 0.030 100% Nitrite (NO₂⁻) mg N/L 0.005 0.002 0.005 0.100 0.002 72 0.012 0.027 72 100% Nitrate (NO₃') mg N/L 0.10 0.1 0.1 13 0.101 0.009 100% NO₂+NO₃ mg N/L 0.10 0.101 0.009 100% Total Phosphorus 0.01 0.003 0.003 0.003 0.003 0.005 0.045 0.004 0.003 0.007 0.005 0.006 0.005 0.003 0.004 0.006 0.003 0.003 0.004 72 0.006 0.011 100% 0.003 0.003 0.003 72 mg/L 1.700 mg/L 0.5 0.5 0.5 1.7 1.5 1.9 1.8 2 1.70 1.80 1.6 1.8 1.8 2.0 1.8 1.90 1.80 1.700 1.700 1.800 69 1.835 0.146 69 100% Total Organic Carbon (TOC) Dissolved Organic Carbon mg/L 0.5 0.5 0.5 1.8 1.8 1.8 1.8 1.70 1.90 1.7 1.9 1.4 2.0 1.7 1.70 1.70 1.600 1.700 1.700 1.600 69 1.770 0.160 69 100% Total Kjeldahl Nitrogen (TKN) mg/L 0.05 0.1 0.1 0.13 0.16 0.17 0.33 69 0.139 0.073 69 100% mg/L 0.001 0.001 0.001 0.001 73 0.001 0.000 al Metals and Non-Metals mg/L 0.005 0.0010 0.001 0.003 0.005-0.1 0.00010 0.00010 0.0001 0.00010 68 0.00010 0.0001 0.00010 0.0001 0.0001 0.0001 0.00010 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.000100 0.000000 68 100% Antimony mg/L 0.0001 0.001 Barium mg/L 0.01 0.000050 0.00005 0.00005 0.00547 0.00453 0.00456 0.004710 0.00788 0.00528 0.00524 0.00441 0.00445 0.00505 0.00516 0.00504 0.00494 0.005 0.005 0.005 0.005 72 0.005286 0.001273 72 100% 0.0005 0.0005 0.000500 0.000000 Bismuth mg/L 0.00050 0.0005 0.0005 0.00050 0.0005 0.0005 0.0005 0.0005 0.001 0.001 68 68 100% 0.01 0.010 72 100% mg/L 0.01 0.01 72 Cadmium mg/L 0.0001 0.000017 0.000017 0.00001 0.000029 72 0.000018 0.000020 72 100% mg/L 11.3 10.5 11.5 12.40 12.80 10.7 10.5 12 12.50 12.20 12.900 12.500 13.400 13.000 72 11.519 100% Calcium 0.050 0.05 0.05 10.6 10.8 10.8 1.028 72 0.00050 Chromium mg/L 0.001 0.0005 0.0005 0.0005 0.00128 0.00152 72 0.000553 0.000186 Cobalt mg/L 0.0002 0.00010 0.0001 0.0001 0.00010 0.0001 0.00034 0.00010 0.0001 0.0001 0.0001 72 0.000109 0.000036 72 100% 0.001 0.0001 0.0005 0.00091 0.001 0.001 0.00083 0.001530 0.0008 0.001 0.001 0.040000 0.067695 Iron mg/L 0.03 0.030 0.03 0.03 0.3 0.030 0.030 0.030 0.03 0.598 0.03 0.116 0.07900 0.03 0.03 0.03 0.030 0.030 0.030 0.030 72 72 100% mg/L 0.001 0.005 Lithium mg/L 0.0050 0.005 0.005 0.0050 0.0050 0.005 0.005 0.0050 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 68 0.005000 0.000000 68 100% 72 7.020 6.49 6.57 7.23 7.81 7.70 8.060 Magnesium mg/L 0.10 0.1 7.04 6.22 7.74 6.35 6.48 6.40 7.23 7.34 7.750 7.560 7.890 0.643 100% 72 0.00151 0.00142 Manganese mg/L 0.01 0.000050 0.00005 0.00005 0.00106 0.00135 0.00233 0.001520 0.0403 0.00157 0.00144 0.00134 0.00276 0.00227 0.00114 0.001 0.001 0.001 0.001 72 0.002406 0.004960 72 100% mg/L 0.0001 0.000050 0.00001 0.00001 0.000026 72 0.000026 100% Mercury 0.000029 72 0.000529 0.000512 0.005 0.000050 0.00005 0.00005 0.000616 0.000518 0.000716 0.00034 0.000639 0.000688 0.001 0.001 0.001 0.001 0.001017 Nickel mg/L 0.005 0.00050 0.0005 0.0005 0.083 0.00078 0.00060 0.00064 0.000660 0.0021 0.00059 0.00063 0.00062 0.00148 0.00061 0.0007 0.00065 0.00059 0.001 0.001 0.001 0.001 72 0.000936 0.001014 100% 0.30 0.00 0.01 0.772 0.890 0.837 Potassium mg/L 2.0 0.05 0.05 2.0 0.708 0.969 0.862 0.927 2.0 2.0 0.684 0.867 0.84 0.908 0.872 72 1.238 0.582 72 100% mg/L 0.001 0.0010 0.001 0.001 0.001 0.001 72 0.001000 0.000000 100% Selenium 0.001 0.001 0.0010 0.001 0.001 0.001 0.001 0.001 72 0.625 Silicon mg/L 0.050 0.05 0.05 0.865 0.627 0.624 1.43 0.66 0.64 0.607 0.614 0.79400 0.648 0.62 0.59 0.640 0.600 0.650 0.650 68 0.656074 0.109834 68 100% 0.0001 0.000010 0.0001 0.00001 0.000001 72 0.000013 0.000022 100% Silver mg/L 72 Sodium mg/L 0.05 2.0 0.05 0.0012 0.591 0.716 0.963 1.26 0.595 0.684 0.944 1.02 1.100 1.050 1.120 1.060 72 1.228 0.619 100% 0.009 72 Strontium mg/L 0.001 0.00010 0.0001 0.0001 0.00791 0.00703 0.00661 0.006930 0.00801 0.0081 0.00837 0.00697 0.00655 0.00730 0.00753 0.00799 0.00784 0.008 0.008 0.008 0.007581 0.000751 72 100% 0.01 Tin mg/L 0.00010 0.0001 0.0001 0.00021 0.00010 0.0001 0.00011 0.0001 0.00010 0.00010 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 72 0.000812 0.002327 72 100% 0.010 0.01 0.026 0.001940 Uranium mg/L 0.000010 0.00001 0.00001 0.015 0.000598 0.000547 0.000558 0.000586 0.000981 0.000886 0.000924 0.000542 0.000558 0.00044 0.000757 0.000893 0.000875 0.001 0.001 0.001 0.001 68 0.000706 0.000162 68 100% 0.001 0.0010 mg/L 0.001 0.001 0.006 0.001 72 100% 0.002182 Zinc mg/L 0.01 0.0010 0.001 0.003 0.03 0.0015 0.0023 72 0.002163 72 100% solved Metals and Non-Metals 0.00023 0.00020 Antimony 0.00010 0.0001 0.0001 68 0.00012 0.00004 68 100% mg/L mg/L Barium mg/L 0.01 0.000050 0.00005 0.00005 0.00558 0.00460 0.00439 0.00471 0.00507 0.00512 0.00506 0.00451 0.00432 0.00468 0.00511 0.00512 0.00513 0.005 0.005 0.006 0.006 72 0.00527 0.00126 72 100% Beryllium mg/L 0.00050 0.0005 0.0005 0.00050 0.0005 0.0005 0.0005 0.0005 0.0005 0.001 0.001 0.001 0.001 68 0.00050 0.00000 68 100% Bismuth 0.0005 0.0005 68 0.00050 100% mg/L Boron 0.01 0.010 0.01 0.01 72 0.0100 0.0000 100% mg/L Cadmium mg/L 0.0001 0.000017 0.000017 0.00001 0.000011 72 0.000019 0.000023 72 100% 11.3 10.8 10.5 12.5 12.40 12.50 10.7 10.8 12.3 12.20 12.90 12.900 13.000 12.600 13.600 72 11.561 1.044 100% Calcium mg/L 0.050 0.05 0.05 10.5 10.1 72 0.001 0.00050 0.0005 0.00053 0.00012 mg/L 0.0005 0.00002 Cobalt 0.0002 0.00010 0.0001 0.0001 72 0.00011 100% Copper mg/L 0.001 0.00010 0.0001 0.0005 0.00092 0.00090 0.00092 0.00128 0.00085 0.00072 0.00071 0.00085 0.00083 0.00101 0.00095 0.0007 0.00071 0.001 0.001 0.001 0.001 72 0.00088 0.00014 72 100% 0.0000 Iron mg/L 0.03 0.030 0.03 0.03 0.030 0.030 0.03 0.03 0.03 0.03 0.030 0.030 0.03 0.03 0.03 0.03 0.030 0.030 0.030 0.030 72 0.0300 72 100% Lead 0.00005 0.00005 0.00006 72 0.000114 Lithium mg/L 0.0050 0.005 0.005 68 0.0050 0.0000 68 100% 6.27 6.53 6.54 7.41 7.64 6.27 6.54 7.42 7.52 7.75 7.860 7.700 8.200 100% Magnesium 0.10 7.04 7.48 6.16 7.880 72 7.013 0.680 mg/L 0.1 0.01 0.00113 72 Manganese mg/L 0.000050 0.00001 0.00001 68 Molybdenum mg/L 0.005 0.000050 0.00005 0.00005 0.000648 0.000537 0.000507 0.000533 0.000539 0.000515 0.000661 0.000678 0.001 0.001 0.001 72 0.000884 0.001047 72 100% 0.00050 0.0005 0.00061 0.00063 0.00068 0.00068 72 0.00089 0.00101 100% Nickel mg/L 0.005 0.0005 0.00075 0.00057 0.00068 0.00056 0.0006 0.00063 0.001 0.001 0.001 72 0.00064 0.00062 0.00064 0.001 0.30 0.003 0.30 26 0.30 0.00 mg/L Potassium mg/L 0.01 2.0 0.05 0.05 0.704 0.779 0.865 0.89 0.702 0.771 0.88 0.888 0.895 0.886 1.050 1.110 72 1.232 0.596 72 100% Selenium mg/L 0.001 0.0010 0.001 0.001 0.001 72 0.0010 0.0000 100% 0.624 0.571 0.627 0.63 0.620 0.650 Silicon mg/L 0.050 0.05 0.05 0.860 0.620 0.636 0.64 0.61 0.604 0.612 0.558 0.61 0.610 0.640 68 0.631191 0.057165 68 100% 0.0001 0.000010 0.00001 72 0.000013 0.000022 72 72 Sodium mg/L 0.05 2.0 0.05 0.0012 2.0 0.69 0.686 0.967 1.22 2.0 0.73 0.669 0.939 1.09 1.120 1.120 1.260 1.310 1.264 0.588 72 100% 0.00010 0.00812 0.00717 0.00658 0.00705 0.00772 0.00788 0.00823 0.00712 0.007573 0.000643 0.001 0.0001 0.00653 0.00792 0.00783 0.00795 100% Strontium mg/L 0.0001 0.00707 0.008 0.008 0.008 0.008 72



BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT LAKE WATER QUALITY SUMMARY DATA AND STATISTICS

	I	Method	Method	Method	Method	I							Sheardown I	ake SE Basir	(Surface)					Print Dec/	21/11 15:21:
Parameters	Units	Detection Limit 2006	Detection Limit 2007	Detection Limit 2008	Detection Limit 2011	Receiving Water Quality Guidelines	DL0-02-1-S 01-Aug-06	DL0-02-1-S 06-Sep-06	1		DL0-02-1-S 13-Sep-07	DL0-02-1-S 31-Jul-08		DL0-02-1-S 25-Jul-11	DL0-02-3-S 07-Aug-07		DL0-02-3(S) 11-May-08		DLO-02-3-S 02-Sep-08	DL0-02-4-S 07-Aug-07	DL0-02-4- 13-Sep-0
In Situ Parameters Temperature	°C	-	2001	-	2011	2011	11.58	5.78	1.1	10.1	5.4	14.4	5.7	11.50	10.4	5.8	TT May 00	13.9	5.5	10.7	5.9
Specific Conductance	mS/cm	-		-			0.086	0.096	0.142	0.084	0.093	0.112	0.127	0.115	0.084	0.093		0.111	0.127	0.084	0.093
Dissolved Oxygen	mg/L	-		-		9.5	10.18	9.44	18.74	10.84	12.72	10.05	13.62		10.79	12.81		10.26	13.65	10.86	12.28
pH	-	-		-		6.5-9.0	8.32	7.21			8.31	7.85	7.86	7.89		8.25		7.84	7.85		7.92
Wetted Width Average Depth (m)	m (m)	-		-			1	1													
Flow Rate	m3/s	-		-																	
Measured Depth (m)	(m)			-					1.0	1.0	1.0				1.0	0.3				1.0	1.0
Total Depth - May Samples Only	m			-					13.30												
Ice Thickness -May Samples Only	m			-					1.90												
Airspace - May Samples Only	m m			-					0.10												
Snow Depth - May Samples Only Water Depth	m								11.30	12	12.4	12.7	11.5		13.7	1.8		14.5	15	7.5	7.2
Turbidity	NTU			-					0	2.16	0.90	6.1	10.9		1.65	0.80		5.9	12.5	1.50	0.80
Secchi Disk Depth	m			-			2.0	1.08		4.2	4.44	3.0	2.5		4.0	1.80		2.8	2.3	4.0	4.35
General Parameters and Nutrients pH	-	-		1		6.5-9.0	7.05	7.01	7.06	8.20	7.87	7.87	7.87	7.45	8.14	7.82	7.97	7.86	7.88	8.08	7.90
Conductivity	μS/cm	5	5	5	5		89	101	155	97	105	103	122	123.00	93	105	146	102	123	92	105
Turbidity	NTU	0.1	0.1	0.1	0.1		1.7	3.2	0.5	0.6	0.6	1.6	1.7	0.50	0.7	0.6	0.3	1.8	2.2	0.5	0.5
Hardness	mg/L as CaCO ₃	1	0.5	0.5	0.5		43	22	74.1	46.8	51.4		61.8	57.30	46.6	50.9	70.0		62.5	46.3	51
Total dissolved Solids (TDS)	mg/L				1		58	66													
TDS (COND - CALC)	mg/L	5	5	5					101	63	68	67	79	80.00	61	68	95	66	80	60	68
Total Suspended Solids (TSS) Alkalinity	mg/L mg/L as CaCO ₃	5	5	5	5		44	50	77	3 46	49	50	55	61.00	44	49	70	49	3 55	44	49
Bromide (Br')	mg/L	0.05	0.05	0.05	0.25		0.05	0.05	0.05	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Chloride (Cl')	mg/L	1	1	1	1	120	2	2	3	2	2	3	4	3	2	2	4	2	5	2	3
Sulphate (SO ₄ ² ·)	mg/L	1	1	1	1		1	3	2	3	1	1	3	4	3	1	3	1	3	3	1
Ammonia (NH ₃ +NH ₄)	mg N/L	0.02	0.02	0.02	0.02	0.021-231	0.03	0.02	0.04	0.04	0.02	0.02	0.02	0.03	0.04	0.02	0.10	0.02	0.02	0.02	0.02
Nitrite (NO ₂ -)	mg N/L	0.005	0.002	0.005	0.100	0.06	0.005	0.009	0.002	0.002	0.002	0.005	0.005	0.10	0.002	0.002	0.005	0.005	0.005	0.002	0.002
Nitrate (NO ₃ ⁻)	mg N/L	0.1	0.10	0.1	0.1	13	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.1	0.10	0.10	0.10	0.10
NO ₂ +NO ₃	mg N/L	0.1	0.10	0.1	0.1		0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.1	0.10	0.10	0.10	0.10
Total Phosphorus	mg/L	0.01	0.003	0.003	0.003		0.01	0.01	0.003	0.003	0.003	0.004	0.005	0.003	0.003	0.003	0.004	0.007	0.004	0.003	0.003
Total Organic Carbon (TOC)	mg/L		0.5	0.5	0.5				2.1	1.4	1.7	1.9	1.6	1.80	1.4	1.7	1.7	1.8	1.6	1.6	1.7
Dissolved Organic Carbon	mg/L		0.5	0.5	0.5				2.0	1.6	1.5	1.8	1.5	1.60	1.5	1.7	1.7	1.7	1.5	1.4	1.7
Total Kjeldahl Nitrogen (TKN)	mg/L		0.05	0.1	0.1				0.05	0.31	0.35	0.14	0.46	0.10	0.16	0.10	0.26	0.19	0.24	0.10	0.10
Phenois	mg/L	0.001	0.001	0.001	0.001	0.004	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Total Metals and Non-Metals Aluminium	mg/L	0.005	0.0010	0.001	0.003	0.005-0.1	0.062	0.116	0.0056	0.0361	0.0168	0.160	0.0639	0.0123	0.0301	0.0186	0.00350	0.05410	0.005	0.0271	0.0188
Antimony	mg/L	-	0.00010	0.0001	0.0001				0.00010	0.00010	0.00010	0.00010	0.0001	0.0001	0.00010	0.00010	0.00010	0.00010	0.0001	0.00010	0.00010
Arsenic	mg/L	0.001	0.00010	0.0001	0.0001	0.005	0.001	0.001	0.00010	0.00010	0.00010	0.00010	0.0001	0.0001	0.00010	0.00010	0.00010	0.00010	0.0001	0.00010	0.00010
Barium	mg/L	0.01	0.000050	0.00005	0.00005		0.01	0.01	0.00736	0.00432	0.00444	0.00589	0.00633	0.00461	0.00425	0.00455	0.00673	0.00493	0.006	0.00417	0.00457
Beryllium	mg/L	-	0.00050	0.0005	0.0005				0.00050	0.00050	0.00050	0.00050	0.0005	0.0005	0.00050	0.00050	0.00050	0.00050	0.0005	0.00050	0.00050
Bismuth Boron	mg/L mg/L	0.01	0.00050	0.0005	0.0005	1.5	0.01	0.01	0.00050	0.00050	0.00050	0.00050	0.0005	0.0005	0.00050	0.00050	0.00050	0.00050	0.0005	0.00050	0.00050
Cadmium	mg/L	0.0001	0.000017	0.000017	0.00001	0.000029	0.0001	0.0001	0.000017	0.000017	0.000017	0.00001	0.00001	0.00001	0.000017	0.000017	0.00001	0.00001	0.00001	0.000017	0.000017
Calcium	mg/L	1	0.050	0.05	0.05		9	10	15.0	9.76	10.6	9.65	12.9	11.50	9.73	10.5	14.4	9.85	12.8	9.77	10.6
Chromium	mg/L	0.001	0.00050	0.0005	0.0005	0.0047	0.001	0.001	0.00050	0.00050	0.00050	0.00050	0.00067	0.0005	0.00050	0.00050	0.00050	0.00050	0.0008	0.00050	0.00050
Cobalt	mg/L	0.0002	0.00010	0.0001	0.0001		0.0002	0.0002	0.00010	0.00010	0.00010	0.00010	0.0001	0.0001	0.00010	0.00010	0.00010	0.00010	0.0001	0.00010	0.00010
Copper	mg/L	0.001	0.00010	0.0001	0.0005	0.002	0.001	0.001	0.00100	0.00075	0.00065	0.00142	0.001	0.00063	0.00068	0.00076	0.00205	0.00102	0.00076	0.00073	0.00066
Iron	mg/L	0.03	0.030	0.03	0.03	0.3	0.06	0.11	0.052	0.056	0.030	0.22100	0.075	0.03	0.047	0.030	0.03000	0.06600	0.033	0.044	0.030
Lead	mg/L	0.001	0.000050	0.00005	0.00005	0.001	0.001	0.001	0.000286	0.000078	0.000050	0.00020	0.0001	0.00005	0.000050	0.000050	0.00017	0.00005	0.00005	0.000079	0.000050
Magnesium	mg/L mg/L	1	0.0050	0.005	0.005		5	6	0.0050 8.91	0.0050 5.53	6.02	0.00500 5.72	7.27	0.005 6.94	0.0050 5.50	0.0050 6.05	0.00500 8.44	0.00500 5.71	7.25	0.0050 5.51	0.0050 5.99
Manganese	mg/L	0.01	0.000050	0.00005	0.00005		0.01	0.01	0.00427	0.00553	0.00258	0.00437	0.0034	0.00498		0.00284	0.00201	0.00062	0.000328	0.00495	0.00286
Mercury	mg/L	0.0001	0.000050	0.00001	0.00001	0.000026	0.0001	0.0001	0.000050	0.000050	0.000050	0.00001	0.00001	0.00001	0.000050	0.000050	0.00001	0.00001	0.00001	0.000050	0.000050
Molybdenum	mg/L	0.005	0.000050	0.00005	0.00005	0.073	0.005	0.005	0.000487	0.000314	0.000340	0.00030	0.000755	0.000418	0.000334	0.000350	0.00051	0.00036	0.000466	0.000330	0.000330
Nickel	mg/L	0.005	0.00050	0.0005	0.0005	0.083	0.005	0.005	0.00100	0.00051	0.00050	0.00078	0.00082	0.0005	0.00050	0.00051	0.00072	0.00050	0.00054	0.00069	0.00050
Phosphorus	mg/L		0.30	0.003	0.003				0.30	0.30	0.30				0.30	0.30				0.30	0.30
Potassium Selenium	mg/L mg/L	0.01	0.0010	0.05	0.05	0.001	0.61	0.70	0.0010	0.0010	0.0010	0.668	0.784	0.761	0.0010	0.0010	0.00100	0.651	0.752	0.0010	0.0010
Silicon	mg/L	0.001	0.0010	0.001	0.001	0.001	0.007	0.001	0.954	0.554	0.538	0.98400	0.829	0.49	0.533	0.540	0.68900	0.82600	0.859	0.537	0.533
Silver	mg/L	0.0001	0.000010	0.00001	0.000001	0.0001	0.0001	0.0001	0.000010	0.000010	0.000010	0.00001	0.00001	0.000001	0.000010	0.000010	0.00001	0.00001	0.00001	0.000010	0.000010
Sodium	mg/L	0.05	2.0	0.05	0.0012		0.48	0.58	2.0	2.0	2.0	0.692	0.874	0.913	2.0	2.0	0.984	0.699	0.89	2.0	2.0
Strontium	mg/L	0.001	0.00010	0.0001	0.0001		0.009	0.010	0.0126	0.00782	0.00804	0.00843	0.0117	0.00786	0.00780	0.00805	0.01300	0.00829	0.0128	0.00770	0.00802
Thallium	mg/L	-	0.00010	0.0001	0.0001	0.0008			0.00010	0.00010	0.00010	0.00010	0.0001	0.0001	0.00010	0.00010	0.00010	0.00010	0.0001	0.00010	0.00010
Tin	mg/L	0.01	0.00010	0.0001	0.0001		0.01	0.01	0.00258	0.00010	0.00010	0.00038	0.0001	0.0001	0.00010	0.00010	0.00258	0.00010	0.0001	0.00010	0.00010
Titanium Uranium	mg/L mg/L	-	0.010	0.01	0.001	0.015			0.010	0.010	0.010 0.000506	0.01500	0.001	0.01	0.010	0.010	0.01000	0.01000	0.01	0.010	0.010
Uranium Vanadium	mg/L mg/L	0.001	0.000010	0.0001	0.00001	0.015	0.001	0.001	0.000760	0.000469	0.000506	0.000605	0.0009	0.000722	0.000455	0.000516	0.000746	0.000363	0.00067	0.000439	0.000515
Zinc	mg/L	0.01	0.0010	0.001	0.003	0.03	0.01	0.01	0.0010	0.0012	0.0010	0.001000	0.001	0.003	0.0010	0.0010	0.01310	0.001000	0.001	0.0012	0.0010
Dissolved Metals and Non-Metals																					
Aluminium Antimony	mg/L mg/L	0.005	0.0010	0.001	0.003		0.005	0.005	0.0028	0.0239	0.0101 0.00010	0.0055	0.003	0.003	0.0182	0.0107	0.00290	0.0077	0.0045	0.0190	0.00113
Arsenic	mg/L	0.001	0.00010	0.0001	0.0001		0.001	0.001	0.00010	0.00010	0.00010	0.0001	0.0001	0.0001	0.00010	0.00010	0.0001	0.0001	0.0001	0.00010	0.00010
Barium	mg/L	0.01	0.000050	0.00005	0.00005		0.01	0.01	0.00723	0.00432	0.00448	0.00464	0.00558	0.00464	0.00423	0.00444	0.00685	0.00467	0.0057	0.00414	0.00448
Beryllium	mg/L	-	0.00050	0.0005	0.0005				0.00050	0.00050	0.00050	0.0005	0.0005	0.0005	0.00050	0.00050	0.0005	0.0005	0.0005	0.00050	0.00050
Bismuth	mg/L	-	0.00050	0.0005	0.0005				0.00050	0.00050	0.00050	0.0005	0.0005	0.0005	0.00050	0.00050	0.0005	0.0005	0.0005	0.00050	0.00050
Boron	mg/L	0.01	0.010	0.01	0.01		0.01	0.01	0.010	0.010	0.010	0.0100	0.01	0.01	0.010	0.010	0.010	0.0100	0.01	0.010	0.010
Cadmium Calcium	mg/L mg/L	0.0001	0.000017	0.000017	0.00001		0.0001 9	0.0001	15.0	9.70	0.000017 10.5	0.00001 9.61	0.00001	0.00001	0.000017 9.68	10.5	0.00001	9.41	0.00001	0.000017 9.58	10.5
Chromium	mg/L mg/L	0.001	0.00050	0.0005	0.005		0.001	0.001	0.00050	0.00050	0.00050	0.0005	0.0005	0.0005	0.00050	0.00050	0.0005	0.0005	0.0005	0.00050	0.00050
Cobalt	mg/L	0.0002	0.00010	0.0001	0.0001		0.0002	0.0002	0.00010	0.00010	0.00010	0.0001	0.0001	0.0001	0.00010	0.00010	0.0001	0.0001	0.0001	0.00010	0.00010
Copper	mg/L	0.001	0.00010	0.0001	0.0005		0.001	0.001	0.00090	0.00071	0.00082	0.00082	0.00084	0.00057	0.00071	0.00087	0.001350	0.00113	0.00077	0.00063	0.00081
Iron	mg/L	0.03	0.030	0.03	0.03		0.03	0.03	0.030	0.033	0.030	0.0300	0.03	0.03	0.030	0.030	0.030	0.0300	0.03	0.030	0.030
Lead	mg/L	0.001	0.000050	0.00005	0.00005		0.001	0.001	0.000050	0.000074	0.000050	0.0001	0.00005	0.00005	0.000050	0.000050	0.00005	0.0001	0.00005	0.000050	0.000050
Lithium	mg/L		0.0050	0.005	0.005			_	0.0050	0.0050	0.0050	0.0050	0.005	0.005	0.0050	0.0050	0.0050	0.0050	0.005	0.0050	0.0050
Mana	mg/L	0.01	0.10	0.1	0.1		0.01	0.01	8.91 0.00239	0.00383	0.00192	5.63 0.0003	7.27 0.000321	6.79 0.000332	5.44 0.00329	5.97 0.00204	0.000891	5.49 0.000255	7.28 0.000244	5.43 0.00363	6.01 0.00217
Magnesium Manganese	mg/L		0.000050	0.00001	0.00003				0.000050	0.000050	0.000050	0.00001	0.00001	0.00001	0.000050	0.000050	0.00001	0.00001	0.00001	0.000050	0.000050
Manager	mg/L mg/L				0.00005		0.005	0.005	0.000504	0.000320	0.000340	0.000329	0.000464	0.000427	0.000345	0.000350	0.000488	0.000339	0.000412	0.000305	0.000347
Manganese	mg/L mg/L mg/L	0.005	0.000050	0.00005			1	0.005	0.00082	0.00065	0.00050	0.0005	0.00063	0.0005		-	1				0.00052
Manganese Mercury		0.005	0.00050	0.00005	0.0005		0.005	0.005	0.00082						0.00050	0.00050	0.000750	0.0005	0.0005	0.00050	0.00032
Manganese Mercury Molybdenum Nickel Phosphorus	mg/L mg/L mg/L	0.005	0.00050	0.0005	0.0005				0.30	0.30	0.30				0.30	0.30				0.30	0.30
Manganese Mercury Molybdenum Nickel Phosphorus Potassium	mg/L mg/L mg/L mg/L	0.005	0.00050 0.30 2.0	0.0005 0.003 0.05	0.0005		0.61	0.68	0.30	0.30	0.30	0.583	0.723	0.745	0.30	0.30	1.00	0.617	0.707	0.30	0.30
Manganese Mercury Molybdenum Nickel Phosphorus Potassium Salenium	mg/L mg/L mg/L mg/L mg/L	0.005	0.00050 0.30 2.0 0.0010	0.0005 0.003 0.05 0.001	0.0005 0.005 0.001				0.30 2.0 0.0010	0.30 2.0 0.0010	0.30 2.0 0.0010	0.583 0.0010	0.001	0.745	0.30 2.0 0.0010	0.30 2.0 0.0010	1.00 0.0010	0.617	0.707 0.001	0.30 2.0 0.0010	0.30 2.0 0.0010
Manganese Mercury Molybdenum Nickel Phosphorus Potassium Selenium Silicon	mg/L mg/L mg/L mg/L mg/L mg/L	0.005 0.01 0.001	0.00050 0.30 2.0 0.0010 0.050	0.0005 0.003 0.05 0.001	0.0005 0.005 0.001 0.005		0.61	0.68	0.30 2.0 0.0010 0.940	0.30	0.30 2.0 0.0010 0.514	0.583 0.0010 0.555		0.745	0.30	0.30	1.00	0.617	0.707 0.001 0.704	0.30	0.30 2.0 0.0010 0.505
Manganese Mercury Molybdenum Nickel Phosphorus Pdassium Salenium	mg/L mg/L mg/L mg/L mg/L	0.005	0.00050 0.30 2.0 0.0010	0.0005 0.003 0.05 0.001	0.0005 0.005 0.001		0.61	0.68	0.30 2.0 0.0010	0.30 2.0 0.0010 0.515	0.30 2.0 0.0010	0.583 0.0010	0.001	0.745 0.001 0.47	0.30 2.0 0.0010 0.501	0.30 2.0 0.0010 0.510	1.00 0.0010 0.647000	0.617 0.0010 0.546	0.707 0.001	0.30 2.0 0.0010 0.491	0.30 2.0 0.0010 0.505
Manganese Mercury Molybdenum Nickel Phosphorus Potassium Selenium Silicon	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.005 0.01 0.001	0.00050 0.30 2.0 0.0010 0.050 0.000010	0.0005 0.003 0.05 0.001 0.05 0.00001	0.0005 0.005 0.001 0.05 0.000001		0.61 0.001	0.68 0.001	0.30 2.0 0.0010 0.940 0.000010	0.30 2.0 0.0010 0.515 0.000010	0.30 2.0 0.0010 0.514	0.583 0.0010 0.555 0.00001	0.001 0.685 0.00001	0.745 0.001 0.47 0.000001	0.30 2.0 0.0010 0.501 0.000010 2.0	0.30 2.0 0.0010 0.510 0.000010	1.00 0.0010 0.647000 0.00001	0.617 0.0010 0.546 0.00001	0.707 0.001 0.704 0.00001	0.30 2.0 0.0010 0.491 0.000010	0.30 2.0 0.0010 0.505 0.000010
Manganese Mercury Molybdenum Nickel Phosphorus Potassium Selenium Silicon Silver Sodium	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.005 0.01 0.001 0.0001 0.0001	0.00050 0.30 2.0 0.0010 0.050 0.000010 2.0	0.0005 0.003 0.05 0.001 0.05 0.0001	0.0005 0.05 0.001 0.05 0.00001		0.61 0.001 0.0001 0.48	0.68 0.001 0.0001 0.58	0.30 2.0 0.0010 0.940 0.000010 2.0	0.30 2.0 0.0010 0.515 0.000010	0.30 2.0 0.0010 0.514 0.000010 2.0	0.583 0.0010 0.555 0.00001 0.73	0.001 0.685 0.00001 0.796	0.745 0.001 0.47 0.000001	0.30 2.0 0.0010 0.501 0.000010 2.0	0.30 2.0 0.0010 0.510 0.000010	1.00 0.0010 0.647000 0.00001	0.617 0.0010 0.546 0.00001	0.707 0.001 0.704 0.00001 0.843	0.30 2.0 0.0010 0.491 0.000010	0.30 2.0 0.0010 0.505 0.000010 2.0
Manganese Mercury Molybdenum Nickel Phesphorus Potassium Setenium Silicon Silver Sodium Strontium	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.005 0.01 0.001 0.0001 0.005	0.00050 0.30 2.0 0.0010 0.050 0.000010 2.0 0.00010	0.0005 0.003 0.05 0.001 0.05 0.0001 0.05 0.0001	0.0005 0.05 0.001 0.05 0.00001 0.0012		0.61 0.001 0.0001 0.48	0.68 0.001 0.0001 0.58	0.30 2.0 0.0010 0.940 0.000010 2.0	0.30 2.0 0.0010 0.515 0.000010 2.0	0.30 2.0 0.0010 0.514 0.000010 2.0 0.00802	0.583 0.0010 0.555 0.00001 0.73	0.001 0.685 0.00001 0.796	0.745 0.001 0.47 0.000001 0.889	0.30 2.0 0.0010 0.501 0.000010 2.0 0.00797	0.30 2.0 0.0010 0.510 0.000010 2.0	1.00 0.0010 0.647000 0.00001 0.975	0.617 0.0010 0.546 0.00001 0.785	0.707 0.001 0.704 0.00001 0.843	0.30 2.0 0.0010 0.491 0.000010 2.0 0.00778	0.30 2.0 0.0010 0.505 0.000010 2.0 0.00807
Manganese Mercury Molybdenum Nickel Phosphorus Potassium Selenium Sillcon Silver Sodium Strontium Thallium Tin	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.005 0.01 0.001 0.0001 0.0001 -	0.00050 0.30 2.0 0.0010 0.050 0.00010 2.0 0.00010 0.00010 0.00010 0.00010	0.0005 0.003 0.005 0.001 0.001 0.05 0.0001 0.0001 0.0001 0.0001 0.0001	0.005 0.001 0.001 0.001 0.0012 0.0001 0.0001 0.0001 0.0001		0.61 0.001 0.0001 0.48 0.008	0.68 0.001 0.0001 0.58 0.010	0.30 2.0 0.0010 0.940 0.00010 2.0 0.0126 0.00010 0.00090	0.30 2.0 0.0010 0.515 0.000010 2.0 0.00800 0.00010 0.00010	0.30 2.0 0.0010 0.514 0.000010 2.0 0.00802 0.00010 0.00010	0.583 0.0010 0.555 0.00001 0.73 0.00816 0.0001 0.0001	0.001 0.685 0.00001 0.796 0.0113 0.0001 0.0001	0.745 0.001 0.47 0.00001 0.889 0.00772 0.0001 0.0001	0.30 2.0 0.0010 0.501 0.000010 2.0 0.00797 0.00010 0.00010	0.30 2.0 0.0010 0.510 0.000010 2.0 0.00805 0.00010 0.00010	1.00 0.0010 0.647000 0.647000 0.00001 0.975 0.012900 0.002000 0.002000	0.617 0.0010 0.546 0.00001 0.785 0.00819 0.0001 0.0001	0.707 0.001 0.704 0.00001 0.843 0.0123 0.0001 0.0001	0.30 2.0 0.0010 0.491 0.000010 2.0 0.00778 0.00010 0.00010	0.30 2.0 0.0010 0.505 0.000010 2.0 0.00807 0.00010 0.00010
Manganese Mercury Molybdenum Nickel Phosphorus Potassium Selenium Sillcon Silver Sodium Strontium Thallum	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.005 0.01 0.001 0.0001 0.0001 -	0.00050 0.30 2.0 0.0010 0.050 0.00010 2.0 0.00010 0.00010 0.00010	0.0005 0.003 0.005 0.001 0.001 0.05 0.0001 0.0001 0.0001 0.0001 0.0001	0.005 0.05 0.001 0.05 0.00001 0.0001 0.0001 0.0001		0.61 0.001 0.0001 0.48 0.008	0.68 0.001 0.0001 0.58 0.010	0.30 2.0 0.0010 0.940 0.000010 2.0 0.0126 0.00010	0.30 2.0 0.0010 0.515 0.000010 2.0 0.00800 0.00010	0.30 2.0 0.0010 0.514 0.000010 2.0 0.00802 0.00010	0.583 0.0010 0.555 0.00001 0.73 0.00816 0.0001	0.001 0.685 0.00001 0.796 0.0113 0.0001	0.745 0.001 0.47 0.000001 0.889 0.00772 0.0001	0.30 2.0 0.0010 0.501 0.000010 2.0 0.00797	0.30 2.0 0.0010 0.510 0.000010 2.0 0.00805	1.00 0.0010 0.647000 0.00001 0.975 0.012900 0.0001	0.617 0.0010 0.546 0.00001 0.785 0.00819 0.0001	0.707 0.001 0.704 0.00001 0.843 0.0123 0.0001	0.30 2.0 0.0010 0.491 0.000010 2.0 0.00778 0.00010	0.30 2.0 0.0010 0.505 0.000010 0.00010



BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT LAKE WATER QUALITY SUMMARY DATA AND STATISTICS

Sheardown Lake SE Basin DI 0-02-4-S DI 0-02-04a DI 0-02-04-S DI 0-02-6-S DI 0-02-1-D DI 0-02-1-D DI 0-02-1-D Parameters Units DL0-02-1-D DL0-02-1-D DL0-02-1-B DL0-02-1-B DL0-02-1-B DL0-02-1-D DL0-02-3-D DL0-02-3b-D DL0-02-3(E 07-Aug-07 13-Sep-07 31-Jul-08 07-Aug-08 02-Sep-08 25-Jul-11 Specific Conductance mS/cm 0.101 0.111 0.127 0.141 0.086 0.096 0.158 0.088 0.093 0.105 0.112 0.127 0.115 0.083 0.093 10.99 10.41 14.52 9.73 12.52 10.95 9.78 13.64 12.51 mg/L 17.95 9.13 0.12 10.62 9.40 6.76 7.99 7.88 8.12 8.27 7.18 7.00 7.34 7.76 8.24 pН 6.41 Wetted Width m 9.8 10 (m) Flow Rate m3/s 11.5 11.4 1.0 10.0 13.0 0.8 Measured Depth (m) (m) Total Depth - May Samples Only 6.50 13.30 m Ice Thickness -May Samples Only 1.80 1.90 0.10 0.10 Airspace - May Samples Only m Snow Depth - May Samples Only m 0.10 0.10 8.6 4.60 11.30 12 12.4 12.8 12.7 11.5 13.7 1.8 8.4 NTU 11.4 6.3 11.8 2.20 0.80 14.5 12.0 11.2 2.00 0.80 Turbidity 0 0 Secchi Disk Depth m 1.0 3.0 2.25 2.0 1.08 4.2 4.44 3.0 2.5 4.0 1.80 General Parameters and Nutrients 7.78 7.85 7.9 7.05 7.02 6.96 6.97 8.23 7.90 7.8 7.76 7.89 7.19 8.10 7.80 7.94 Conductivity μS/cm 5 95 102 124 157 89 100 157 101 105 100 102 123 117.00 92 105 141 Turbidity NTU 0.1 3.5 1.6 2.2 0.4 3.1 0.8 0.7 0.5 4.3 2.5 2.5 0.6 0.5 Hardness mg/L as CaCO₃ 1 0.5 0.5 46 63.1 76.7 43 16 76.1 48.9 51.5 47.3 61.9 57.20 45.9 51.2 68.6 58 65 Total dissolved Solids (TDS) mg/L TDS (COND - CALC) 5 66 81 102 66 66 62 102 65 76.00 60 68 mg/L Total Suspended Solids (TSS) mg/L 2 2 2 3 2 4 5 2 77 77 48 44 49 Alkalinity mg/L as CaCC 5 5 5 44 49 55 44 49 50 46 49 56 68 59.00 mg/L 0.05 0.05 0.05 mg/L 2 2 3.00 5 3 2 Chloride (Cl⁻) 1 1 3 Sulphate (SO₄²⁻) mg/L 3 2 2 3 3 4 3 3 mg N/L 0.02 0.02 0.02 0.02 0.02 0.02 0.04 0.02 0.02 0.03 0.02 0.05 0.03 0.02 0.0200 0.02 0.02 0.0200 Nitrite (NO₂) mg N/L 0.005 0.002 0.005 0.005 0.002 0.005 0.009 0.002 0.003 0.002 0.005 0.10 0.002 0.002 0.005 Nitrate (NO₃⁻) mg N/L 0.1 0.10 0.1 0.1 0.10 0.1 0.10 mg N/L 0.10 0.1 0.10 0.10 0.1 0.1 0.10 0.1 0.003 0.01 0.003 0.008 0.003 0.003 0.01 0.01 0.003 0.003 0.003 0.011 0.016 0.003 0.006 0.004 0.005 Total Phosphorus mg/L 0.007 0.5 1.6 2.1 1.8 1.4 1.6 1.3 1.7 1.7 1.70 1.2 1.6 1.7 Total Organic Carbon (TOC) mg/L 0.5 1.9 1.6 mg/L 0.5 0.5 1.5 1.6 1.5 2.0 1.9 1.5 1.6 1.5 1.7 1.6 1.60 1.4 1.5 1.6 Dissolved Organic Carbon 0.05 0.43 0.10 Total Kjeldahl Nitrogen (TKN) mg/L 0.1 0.06 0.13 0.10 0.12 0.27 0.17 0.20 0.001 0.001 0.001 0.001 0.001 mg/L otal Metals and Non-Meta 0.0188 0.17400 mg/L 0.005 0.0010 0.001 0.185000 0.0874 0.0056 0.062 0.125 0.0390 0.0618 0.0309 0.0221 0.00230 Antimony mg/L 0.00010 0.0001 0.0001 0.00010 0.0001 0.00010 0.00010 mg/L 0.0001 0.001 Barium 0.01 0.000050 0.00005 0.005930 0.00626 0.00728 0.01 0.01 0.00595 0.00446 0.00434 0.00608 0.00619 0.0049 0.00425 0.00441 0.00632 mg/L Beryllium mg/L 0.00050 0.0005 Bismuth mg/L 0.00050 0.0005 Boron mg/L 0.01 0.010 0.01 Cadmium mg/L 0.0001 0.000017 0.000017 Calcium mg/L 0.050 0.05 9.02 12.2 15.4 9 11 15.3 10.1 10.7 9.80 12.7 11.50 9.51 10.6 14.0 Chromium mg/L 0.001 0.00050 0.0005 0.000510 0.0005 0.001 0.001 0.00050 0.0005 0.0005 Cobalt 0.00010 0.000100 0.00011 0.0002 0.0001 0.0002 mg/L 0.00131 0.00100 0.001 0.001 0.00087 0.00076 0.00068 0.00325 0.00093 0.00067 0.00070 Copper mg/L 0.001 0.00010 0.0001 0.002460 0.00066 0.00100 Iron mg/L 0.03 0.030 0.03 0.203000 0.092 0.054 0.07 0.12 0.093 0.064 0.030 0.24300 0.073 0.03 0.057 0.030 0.03800 0.000050 0.00005 0.000230 0.00011 0.000062 0.00025 0.00008 0.000053 0.00007 0.001 0.001 Lead mg/L 0.0050 0.005 0.005 0.005 Lithium mg/L Magnesium mg/L 0.10 0.1 5.46 6.96 9.24 6 9.13 5.76 6.03 5.75 7.31 6.90 5.40 5.93 8.15 0.01 0.000050 0.005180 0.0033 0.00747 Manganese mg/L 0.00005 0.0199 0.00648 0.00508 0.00662 0.00276 0.00289 Mercury mg/L 0.0001 0.000050 0.00001 0.0001 0.0001 Molybdenum mg/L 0.005 0.000050 0.00005 0.000324 0.000437 0.000529 0.005 0.005 0.000406 0.000332 0.000349 0.00027 0.000461 0.000425 0.000320 0.000351 0.000484 Nickel mg/L 0.005 0.00050 0.0005 0.000850 0.00079 0.00095 0.005 0.005 0.00090 0.00056 0.00076 0.00076 0.00051 0.00050 0.00050 0.00071 Phosphorus 0.30 0.003 0.30 0.30 0.00000 0.30 mg/L Potassium mg/L 0.01 2.0 0.05 0.718 0.773 2.0 0.63 0.68 2.0 2.0 2.0 0.668 0.775 0.774 0.959 Selenium mg/L 0.001 0.0010 0.001 0.001000 0.001 0.0010 0.001 0.001 0.0010 0.0010 0.0010 0.00100 0.001 0.001 0.0010 0.0010 0.00100 0.050 0.873000 0.844 0.949 1.61 0.563 0.543 0.92600 0.833 0.52 0.565 0.539 0.64900 Silicon mg/L 0.05 Silver 0.000010 0.00001 0.0001 0.0001 0.00001 mg/L Sodium mg/L 0.05 2.0 0.05 0.727 0.894 0.47 0.56 0.664 0.843 0.916 0.932 Strontium mg/L 0.001 0.00010 0.0001 0.008560 0.0125 0.0127 0.008 0.010 0.0123 0.00799 0.00810 0.00865 0.0116 0.00791 0.00774 0.00791 0.01240 0.00010 0.0001 Thallium mg/L 0.01 0.00010 0.0001 0.000340 0.0001 0.00103 0.00173 0.00012 0.00111 Tin mg/L Titanium mg/L 0.010 0.01 0.013000 0.01 0.01500 0.000633 0.000873 0.000882 0.000721 0.000715 Uranium mg/L 0.000010 0.00001 0.000604 0.000794 0.000473 0.000517 0.000515 0.001 0.0010 0.001 0.001 0.0010 0.001 Vanadium mg/L 0.0010 0.0010 0.001 0.001 0.00100 0.0010 Zinc mg/L 0.01 0.001 0.001500 0.0018 0.0015 0.001200 ved Metals and Non-Metals mg/L 0.005 0.0010 0.001 0.0073 0.005 0.0034 0.0010 0.0039 0.0026 0.0044 0.0235 0.0124 0.0069 0.0191 0.0131 Antimony mg/L 0.00010 0.0001 0.0001 0.00010 0.00024 0.0001 0.0001 0.0001 0.00032 0.0001 0.00010 0.00010 0.0001 0.00010 0.0001 Arsenic mg/L 0.001 0.000050 0.00572 0.00723 0.01 0.00586 0.00450 0.00555 0.00443 0.01 0.00005 0.00458 0.00444 0.00484 0.00463 0.00426 0.00641 Barium mg/L Beryllium mg/L 0.00050 0.0005 0.00050 0.0005 0.0005 0.0005 0.00050 0.0005 0.00050 Bismuth 0.0005 Boron mg/L 0.01 0.010 0.01 0.01 0.010 0.010 0.010 0.01 0.01 0.010 0.0001 0.000017 0.000017 10.5 14.0 Calcium mg/L 1 0.050 0.05 9.33 13.3 15.4 9 3 15.4 10.1 10.6 9.69 12.7 11.30 9.48 Chromium mg/L 0.001 0.00050 0.0005 0.0005 0.0005 0.00050 0.001 0.001 0.00050 0.00050 0.00050 0.0005 0.0005 0.0005 0.00050 0.00050 Cobalt mg/L 0.0002 0.00010 0.0001 0.0002 Copper mg/L 0.001 0.00010 0.0001 0.00095 0.00082 0.00093 0.001 0.001 0.00078 0.00074 0.00088 0.00088 0.00077 0.00055 0.00074 0.00080 0.001030 Iron mg/L 0.03 0.030 0.03 0.03 0.030 0.03 0.03 0.065 0.039 0.030 0.0300 0.03 0.03 0.034 0.030 0.030 0.000050 0.001 0.000050 Lead 0.00005 0.0001 0.00005 0.001 0.000050 0.000050 0.000050 0.0001 0.00005 0.000050 mg/L 0.001 0.0050 0.0050 Lithium 0.0050 0.005 0.0050 0.0050 0.0050 0.0050 0.005 0.005 0.0050 0.0050 mg/L 0.005 Magnesium mg/L 0.10 0.1 5.52 7.27 9.27 5 2 9.16 5.74 6.07 5.6 7.32 6.78 5.40 6.04 8.16 0.000327 0.000073 Manganese 0.01 0.000050 0.00005 0.000222 0.000275 0.00293 0.01 0.0144 0.00482 0.00208 0.000383 0.00449 0.00204 0.000307 mg/L Mercury 0.000050 mg/L 0.00001 0.00001 0.00001 0.000050 0.000050 0.000050 0.00001 0.00001 0.00001 0.000050 0.00001 0.000379 0.000350 Molybdenum mg/L 0.005 0.000050 0.00005 0.000331 0.000411 0.000506 0.005 0.005 0.000351 0.000337 0.000469 0.000421 0.000331 0.000337 0.000497 0.00050 0.0005 0.00057 0.00084 0.005 0.00083 0.00056 0.000600 Nickel mg/L 0.005 Phosphorus 0.30 0.003 0.30 0.30 0.30 0.30 0.30 0.30 mg/L Potassium mg/L 0.01 2.0 0.05 0.575 0.709 2.0 0.63 0.71 2.0 2.0 2.0 0.618 0.715 0.75 2.0 2.0 0.927 0.001 0.001 Selenium mg/L 0.001 0.0010 0.001 0.0010 0.001 0.0010 0.001 0.001 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.551 0.703 0.933 1.55 0.540 0.519 0.571 0.69 0.48 0.532 0.511 0.621000 Silicon mg/L 0.050 0.05 Silver 0.000010 0.00001 0.0001 0.00001 0.00001 0.00001 0.000010 0.0001 0.000010 0.00001 mg/L Sodium mg/L 0.05 2.0 0.05 0.664 0.844 2.0 0.45 0.60 2.0 2.0 0.802 0.79 0.889 2.0 0.908 0.001 0.00010 0.0001 0.00777 0.0122 0.0127 0.008 0.010 0.0121 0.00804 0.00794 0.00867 0.0112 0.00779 0.00772 0.00789 0.012000 Strontium mg/L 0.00010 0.0001 Thallium 0.0001 0.00010 mg/L 0.00010 0.0001 0.0001 0.0001 0.00101 0.00117 0.00010 0.00010 0.0001 0.0001 0.0001 0.00010 0.00010 0.002110 Tin mg/L 0.01 Titanium mg/L 0.010 0.01 0.0100 0.01 0.010 0.010 0.010 0.0100 0.01 0.01 0.010 0.010 0.000521 0.000839 mg/L 0.000010 0.00001 0.000788 0.000475 0.000511 0.000581 0.00084 0.000677 0.000432 0.000507 0.000712 Vanadium mg/L 0.001 0.0010 0.001 0.0010 0.0010 0.0010 0.001 0.001 0.001 0.0010 0.0010 0.0010 0.001 0.001 0.0010 0.0010 0.01 0.0010 0.001 Zinc mg/L 0.0010 0.0012 0.0019 0.001 0.0014 0.0014



BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT LAKE WATER QUALITY SUMMARY DATA AND STATISTICS

Parameters	Units	Method Detection Limit	Method Detection Limit	Method Detection Limit	DL0-02-3-B	DLO-02-3-B	DL0-02-4-D	DL0-02-4-D	DL0-02-4-B	DLO-02-4-B	DL0-02-6-D	Number of Samples	Mean	Stats Standard Deviation	Number of	Percentage
In Situ Parameters Temperature	°C	2006	2007	2008	31-Jul-08 8.5	02-Sep-08 5.5	07-Aug-07	13-Sep-07	30-Jul-08 9.6	02-Sep-08 5.5	08-May-07 1.6	Samples 36	7.60	Deviation 3.42	Detects 36	Detects
Specific Conductance	mS/cm	-		-	0.106	0.126	0.084	0.093	0.106	0.127	0.143	36	0.107	0.020	36	100%
Dissolved Oxygen	mg/L	-		-	10.23	13.69	5.40	12.28	10.72	13.68	15.96	34	11.48	3.26	34	100%
pH Wetted Width	- m	-		-	7.03	7.31		8.17	7.17	7.29		26	7.66	0.53	26	100%
Average Depth (m)	(m)			-								4	5.5	5.1	4	100%
Flow Rate	m3/s	-		-								0			0	
Measured Depth (m)	(m)			-			7.0	6.2			4.0	16	4.5	4.7	16	100%
Total Depth - May Samples Only Ice Thickness -May Samples Only	m m			-							6.50 1.80	4	9.90	3.93 0.06	4	100%
Airspace - May Samples Only	m			-							0.10	4	0.10	0.00	4	100%
Snow Depth - May Samples Only	m			-							0.10	4	0.10	0.00	4	100%
Water Depth Turbidity	m NTU			-	14.5	15	7.5	7.2	8.6	9 11.9	4.60	30	10.16	3.70 5.31	30	100%
Secchi Disk Depth	m			-	2.8	2.3	4.0	4.35	3.0	2.25		30	2.85	1.12	26	87%
General Parameters and Nutrients pH	-	-		1	7.78	7.86	8.11	7.90	7.79	7.86	7.04	38	7.70	0.40	38	100%
Conductivity	μS/cm	5	5	5	97	121	95	105	96	122	156	38	112.18	20.37	38	100%
Turbidity	NTU	0.1	0.1	0.1	3.0	2.4	1.1	0.5	2.9	2.2	0.4	38	1.50	1.09	37	97%
Hardness Total dissolved Solids (TDS)	mg/L as CaCO ₃	1	0.5	0.5		60.8	46.7	51		61.2	75.8	32	54.14 62	13.83	32	100%
TDS (COND - CALC)	mg/L mg/L	5	5	5	63	79	62	68	62	79	101	34	74.24	13.33	34	100%
Total Suspended Solids (TSS)	mg/L		2	2	5	2	2	2	2	2	2	34	2	1	31	91%
Alkalinity	mg/L as CaCO ₃	5	5	5	46	54	43	49	45	54	78	38	53.29	10.37	38	100%
Bromide (Br')	mg/L	0.05	0.05	0.05	0.25	0.25	0.25	0.25	0.25	0.25	0.05	38	0.21	0.08	38	100%
Chloride (Cl ⁻) Sulphate (SO ₄ ²⁻)	mg/L mg/L	1	1	1	1	3	3	1	1	3	1	38	2	1	25	58%
Ammonia (NH ₃ +NH ₄)	mg N/L	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	38	0.0261	0.0146	38	100%
Nitrite (NO ₂ -)	mg N/L	0.005	0.002	0.005	0.005	0.005	0.002	0.002	0.005	0.005	0.002	38	0.0090	0.0218	38	100%
Nitrate (NO ₃ ⁻)	mg N/L	0.1	0.10	0.1	0.1	0.1	0.10	0.10	0.10	0.10	0.10	38	0.10	0.00	38	100%
NO ₂ +NO ₃	mg N/L	0.1	0.10	0.1	0.1	0.1	0.10	0.10	0.10	0.10	0.10	38	0.10	0.00	38	100%
Total Phosphorus	mg/L	0.01	0.003	0.003	0.013	0.005	0.003	0.003	0.010	0.009	0.003	38	0.006	0.003	38	100%
Total Organic Carbon (TOC)	mg/L		0.5	0.5	1.5	1.8	1.3	1.6	1.6	1.6	2.1	34	1.66	0.21	34	100%
Dissolved Organic Carbon Total Kjeldahl Nitrogen (TKN)	mg/L mg/L		0.5	0.5	0.16	0.18	0.12	1.5 0.10	1.6 0.16	1.5 0.46	0.10	34	1.61 0.17	0.17	34	100%
Phenois	mg/L	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	38	0.0010	0.0000	38	100%
Total Metals and Non-Metals Aluminium	mg/L	0.005	0.0010	0.001	0.164000	0.0714	0.0645	0.0204	0.171000	0.0825	0.0064	36	0.057000	0.055802	36	100%
Antimony	mg/L	-	0.00010	0.0001	0.000100	0.0001	0.00010	0.00010	0.000100	0.0001	0.00010	32	0.000100	0.000000	32	100%
Arsenic	mg/L	0.001	0.00010	0.0001	0.000100	0.0001	0.00010	0.00010	0.000100	0.0001	0.00010	36	0.000200	0.000287	36	100%
Barium	mg/L	0.01	0.000050	0.00005	0.005840	0.00619	0.00483	0.00437	0.005920	0.0064	0.00731	36	0.005983	0.001733	36	100%
Beryllium Bismuth	mg/L mg/L	-	0.00050	0.0005	0.000500	0.0005	0.00050	0.00050	0.000500	0.0005	0.00050	32	0.00050	0.00000	32	100%
Boron	mg/L	0.01	0.010	0.01	0.010000	0.01	0.010	0.010	0.010000	0.01	0.010	36	0.010000	0.000000	36	100%
Cadmium	mg/L	0.0001	0.000017	0.000017	0.000010	0.00001	0.000017	0.000017	0.000010	0.00001	0.000017	36	0.000023	0.000028	36	100%
Calcium	mg/L	0.001	0.050	0.05	0.009290	12.7 0.0005	9.81 0.00050	0.00050	9.11	12.2	15.4 0.00050	36 36	11.014425 0.000577	2.735666 0.000168	36 36	100%
Cobalt	mg/L mg/L	0.0002	0.00030	0.0001	0.000100	0.0001	0.00010	0.00030	0.000110	0.00019	0.00030	36	0.000377	0.000168	36	100%
Copper	mg/L	0.001	0.00010	0.0001	0.001380	0.00092	0.00080	0.00073	0.002420	0.00134	0.00106	36	0.001085	0.000584	36	100%
Iron	mg/L	0.03	0.030	0.03	0.224000	0.091	0.126	0.030	0.208000	0.091	0.116	36	0.083250	0.062618	36	100%
Lead Lithium	mg/L mg/L	0.001	0.000050	0.0005	0.000200	0.0001	0.000114 0.0050	0.000050	0.000270	0.00011	0.000050	36	0.000202	0.000295	36	100%
Magnesium	mg/L	1	0.10	0.1	0.005550	7.14	5.47	6.02	5.41	6.95	9.23	36	6.363488	1.646996	36	100%
Manganese	mg/L	0.01	0.000050	0.00005	0.004760	0.00414	0.0189	0.00288	0.005160	0.00443	0.00627	36	0.005605	0.004164	36	100%
Mercury Molybdenum	mg/L	0.0001	0.000050	0.00001	0.000010	0.00001	0.000050 0.000306	0.000050 0.000346	0.000010	0.00001	0.000050 0.000509	36 36	0.000038	0.000029	36 36	100%
Nickel	mg/L mg/L	0.005	0.00050	0.0005	0.000288	0.000397	0.000306	0.000346	0.000295	0.000421	0.00086	36	0.000904	0.001472	36	100%
Phosphorus	mg/L		0.30	0.003	0.000000		0.30	0.30			0.30	18	0.266667	0.097014	18	100%
Potassium	mg/L	0.01	2.0	0.05	0.000683	0.73	2.0	2.0	0.694	0.779	2.0	36	1.281575	0.667277	36	100%
Selenium Silicon	mg/L mg/L	0.001	0.0010	0.001	0.001000	0.001	0.0010	0.0010	0.001000	0.001	0.0010	36	0.001000	0.000000	36	100%
Silver	mg/L	0.0001	0.000010	0.00001	0.000010	0.00001	0.000010	0.000010	0.000010	0.000011	0.000010	36	0.000020	0.000029	36	100%
Sodium	mg/L	0.05	2.0	0.05	0.000672	0.849	2.0	2.0	0.730	0.89	2.0	36	1.294102	0.662682	36	100%
Strontium	mg/L	0.001	0.00010	0.0001	0.008280	0.0121	0.00835	0.00803	0.008630	0.0127	0.0127	36	0.009674	0.002050	36	100%
Thallium Tin	mg/L mg/L	0.01	0.00010	0.0001	0.000100	0.0001	0.00010	0.00010	0.000100	0.0001	0.00010	32	0.000100	0.000000	32	100%
Titanium	mg/L	-	0.010	0.01	0.015000	0.01	0.010	0.010	0.013000	0.01	0.010	32	0.010656	0.001599	32	100%
Uranium	mg/L		0.000010	0.00001	0.000596	0.000889	0.000518	0.000522	0.000615	0.000874	0.000774	32	0.000633	0.000155	32	100%
Vanadium Zinc	mg/L mg/L	0.001	0.0010	0.001	0.001000	0.001	0.0010	0.0010	0.001000	0.001	0.0010	36 36	0.001000 0.002553	0.000000	36 36	100%
Dissolved Metals and Non-Metals																
Aluminium Antimony	mg/L mg/L	0.005	0.0010	0.001	0.0078	0.0042	0.0317	0.0104	0.0086	0.0054	0.0028	36 32	0.0087	0.0072	36	100%
Anumony	mg/L	0.001	0.00010	0.0001	0.0001	0.0001	0.00025	0.00010	0.0001	0.0001	0.00010	36	0.00013	0.00007	36	100%
Barium	mg/L	0.01	0.000050	0.00005	0.00465	0.00567	0.00447	0.00435	0.00467	0.00568	0.00733	36	0.00569	0.00180	36	100%
Beryllium	mg/L	-	0.00050	0.0005	0.0005	0.0005	0.00050	0.00050	0.0005	0.0005	0.00050	32	0.00050	0.00000	32	100%
Bismuth Boron	mg/L mg/L	0.01	0.00050	0.0005	0.0005	0.0005	0.00050	0.00050	0.0005	0.0005	0.00050	32	0.00050	0.00000	32	100%
Cadmium	mg/L	0.0001	0.000017	0.000017	0.00001	0.00001	0.000017	0.000017	0.0000	0.00001	0.000017	36	0.000027	0.000035	36	100%
Calcium	mg/L	1	0.050	0.05	9.5	12.6	9.67	10.5	9.52	12.7	15.3	36	10.90	2.72	35	97%
Chromium	mg/L	0.001	0.00050	0.0005	0.0005	0.0005	0.00050	0.00050	0.0005	0.0005	0.00050	36	0.00056	0.00016	36	100%
Cobalt Copper	mg/L mg/L	0.0002	0.00010	0.0001	0.0001	0.0001	0.00010	0.00010	0.0001	0.0001	0.00010	36	0.00011	0.00003	36	100%
Iron	mg/L	0.03	0.030	0.03	0.0300	0.03	0.056	0.030	0.0300	0.03	0.041	36	0.0324	0.0074	36	100%
Lead	mg/L	0.001	0.000050	0.00005	0.0001	0.00005	0.000063	0.000050	0.0001	0.00005	0.000050	36	0.000157	0.000302	36	100%
Lithium Magnesium	mg/L mg/L	1	0.0050	0.005	0.0050 5.56	0.005 7.1	0.0050 5.47	0.0050 6.01	0.0050 5.59	0.005 7.17	0.0050 9.14	32 36	0.0050 6.32	0.0000	32 35	100% 97%
Manganese	mg/L mg/L	0.01	0.000050	0.00005	0.000287	0.000279	0.00842	0.00190	0.000302	0.00028	0.00423	36	0.003046	0.003723	36	100%
Mercury	mg/L		0.000050	0.00001	0.00001	0.00001	0.000050	0.000050	0.00001	0.00001	0.000050	32	0.000030	0.000020	32	100%
Molybdenum	mg/L	0.005	0.000050	0.00005	0.00033	0.000405	0.000329	0.000342	0.000328	0.000402	0.000496	36	0.000898	0.001472	36	100%
Nickel Phosphorus	mg/L mg/L	0.005	0.00050	0.0005	0.0005	0.00051	0.00052	0.00050	0.0005	0.00059	0.00082	36	0.001061	0.001416	36	100%
Potassium	mg/L	0.01	2.0	0.05	0.601	0.69	2.0	2.0	0.598	0.705	2.0	36	1.275	0.663	36	100%
Selenium	mg/L	0.001	0.0010	0.001	0.0010	0.001	0.0010	0.0010	0.0010	0.001	0.0010	36	0.0010	0.0000	36	100%
	mg/L	0.0001	0.050	0.05	0.558	0.679	0.524	0.508	0.562	0.686 0.00001	0.950 0.000010	32 36	0.632844	0.212745	32 36	100%
Silicon	mg/L			0.00001	0.00001	0.00001	2.0	2.0	0.0000	0.00001	2.0	36	1.316	0.000029	36	100%
	mg/L	0.05	2.0	0.05												100%
Silicon Silver	mg/L	0.05	0.00010	0.0001	0.00805	0.012	0.00827	0.00781	0.00813	0.0122	0.0126	36	0.009504	0.001998	36	100%
Silicon Silver Sodium Strontium Thallium	mg/L mg/L	0.001	0.00010	0.0001	0.00805	0.0001	0.00010	0.00010	0.0001	0.0001	0.00010	32	0.00010	0.00000	32	100%
Silicon Silver Sodium Strontium Thaillum	mg/L mg/L mg/L		0.00010 0.00010 0.00010	0.0001 0.0001 0.0001	0.00805 0.0001 0.0001	0.0001	0.00010	0.00010	0.0001	0.0001	0.00010	32 36	0.00010	0.00000	32	100%
Silicon Silver Sodium Strontium Thallium	mg/L mg/L	0.001	0.00010	0.0001	0.00805	0.0001	0.00010	0.00010	0.0001	0.0001	0.00010	32	0.00010	0.00000	32	100%





| | 1 | Method | Method | Method | Method
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 | | | | Sheardown Lake | Nearshore | | |
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 | | | 21/11 15:21:50 |
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Parameters	Units	Limit 2006	Detection Limit 2007	Detection Limit 2008
 | Receiving Water Quality Guidelines
2011 | SDL1 SDL0
25-Jun-08 31-Ji | -WQ SDL0 | P-08 25 | SDL2 :
5-Jun-08 | SDL02-WQ
31-Jul-08
 | SDL02-WQ
14-Sep-08 | SDL3
25-Jun-08 | SDL03-WQ
31-Jul-08 | SDL03-WQ
14-Sep-08
 | DD-Hab 4-Stn 1-S
24-Jul-11 | DD-Hab 4-Stn 1-D
24-Jul-11 | | | | DD-Hab 4-Stn 3 D
25-Jul-11 | |
 | DD-Hab 9-Stn 2-S
24-Jul-11 | DD-Hab 9-Stn 2-D
24-Jul-11 | DD-Hab 9-Stn 3-S
24-Jul-11 | DD-Hab 9-Stn 3
24-Jul-11
 | 25-Jun-08 | SDL04-WQ
31-Jul-08 | SDL04-WQ
14-Sep-08 | | |
| In Situ Parameters Temperature | °C | - | | - |
 | | 3.3 | 4. | 7 | 5.7 |
 | 3.9 | 3.0 | | 4.2
 | 9.57 | 8.03 | 8.61 | 10.61 | 8.44 | 10.61 | 8.65 | 7.30
 | 8.60 | 7.33 | 8.79 | 7.24
 | 2.0 | | 4.4 | | |
| Specific Conductance | mS/cm | | | - |
 | | 0.102 | 0.1 | | 0.111 |
 | 0.151 | 0.094 | | 0.146
 | 0.126 | 0.125 | 0.126 | 0.132 | 0.126 | 0.129 | 0.126 | 0.125
 | 0.126 | 0.125 | 0.126 | 0.125
 | 0.064 | | 0.135 | | |
| Dissolved Oxygen | mg/L | | | |
 | 9.5
6.5-9.0 | 14.30
7.58 | | | 13.25
7.55 |
 | 12.87 | 14.35
7.55 | | 13.10
 | 7.86 | | 7.88 | 7.89 | 7.88 | 7.92 | 7.84 | 7.81
 | | 7.84 | 7.87 | | |
 | 13.40 | | 12.77
7.82 |
| pH
Wetted Width | - m | - | | |
 | 6.5-9.0 | 7.58 | 7.5 | 7 | 7.55 |
 | 8.05 | 7.55 | | 7.79
 | 7.86 | 7.86 | 7.88 | 7.89 | 7.88 | 7.92 | 7.84 | 7.81
 | 7.83 | 7.84 | 7.87 | 7.86
 | 7.67 | | 7.82 | | | | |
| Average Depth (m) | (m) | | | - |
 | | | | | |
 | | | |
 | | | | | | | |
 | | | |
 | | | |
| Flow Rate | m3/s | | | - |
 | | | | | |
 | | | |
 | | | | | | | |
 | | | |
 | | | |
| Measured Depth (m) | (m) | | | - |
 | | | _ | _ | |
 | | | |
 | | | | | | | |
 | | | |
 | | | |
| Total Depth - May Samples Only | m | | | - |
 | | | _ | _ | |
 | | | |
 | | | | | | | |
 | | | |
 | | | |
| Ice Thickness -May Samples Only | m | | | - |
 | | | | | |
 | | | |
 | | | | | | | |
 | | | |
 | | | |
| Airspace - May Samples Only Snow Depth - May Samples Only | m | | | - |
 | | | | | |
 | | | |
 | | | | | | | |
 | | | |
 | | | |
| Water Depth | m | | | |
 | | 1.2 | 1. | 2 | 1.2 |
 | 1.2 | 1.2 | | 1.2
 | | | | | | | |
 | | | |
 | 1.2 | | 1.2 |
| Turbidity | NTU | | | - |
 | | | 3. | 9 | |
 | | | | 4.8
 | | | | | | | |
 | | | |
 | | | 3.8 |
| Secchi Disk Depth | m | | | - |
 | | | | | |
 | | | |
 | | | | | | | |
 | | | |
 | | | |
| General Parameters and Nutrients
pH | | | | 1 |
 | 659.0 | 7.89 7. | 9 7.5 | 4 | 7.89 | 8.01
 | 7.77 | 7.86 | 7.85 | 7.76
 | 7.17 | 7.17 | 7.31 | 7.27 | 7.29 | 7.31 | 7.24 | 7.20
 | 7.17 | 7.22 | 7.18 | 7.15
 | 7.61 | 7.85 | 7.63 |
| Conductivity | μS/cm | 5 | 5 | 5 | 5
 | | 109 10 | 3 12 | 0 | 116 | 184
 | 158 | 95 | 110 | 146
 | 125.00 | 126.00 | 128.00 | 128.00 | 129.00 | 129.00 | 128.00 | 126.00
 | 126.00 | 126.00 | 126.00 | 125.00
 | 51 | 114 | 123 |
| Turbidity | NTU | 0.1 | 0.1 | 0.1 | 0.1
 | | 0.6 0. | . 1 | _ | 1.3 | 0.5
 | 2.1 | 0.6 | 0.6 | 0.9
 | 0.30 | 0.40 | 0.30 | 0.40 | 0.30 | 0.40 | 0.30 | 0.30
 | 0.40 | 0.50 | 0.30 | 0.40
 | 0.6 | 0.6 | 0.8 |
| Hardness | mg/L as CaCO | 1 | 0.5 | 0.5 | 0.5
 | | 53.6 | 62 | 8 | 56.9 |
 | 72.7 | 47.8 | | 77.5
 | 61.40 | 64.60 | 63.30 | 62.40 | 64.20 | 62.40 | 63.40 | 57.40
 | 63.60 | 63.70 | 64.30 | 63.60
 | 26.6 | | 66.9 |
| TDS (COND - CALC) | mg/L | 5 | 5 | 5 | 1
 | | 71 7 | 7 | 3 | 75 | 120
 | 103 | 62 | 72 | 95
 | 81.00 | 82.00 | 83.00 | 83.00 | 84.00 | 84.00 | 83.00 | 82.00
 | 82.00 | 82.00 | 82.00 | 81.00
 | 33 | 74 | 80 |
| Total Suspended Solids (TSS) | mg/L | | 2 | 2 | 2
 | | 2 2 | 2 | | 3 | 2
 | 3 | 2 | 2 | 2
 | 2 | 2 | 3.00 | 23.00 | 42.00 | 2 | 2 | 2
 | 2 | 2 | 2 | 2
 | 2 | 2 | 2 |
| Akalnity | mg/L as CaCO | 5 | 5 | 5 | 5
 | | 53 5 | 5 | 3 | 49 | 83
 | 70 | 46 | 54 | 66
 | 63.00 | 62.00 | 64.00 | 62.00 | 63.00 | 62.00 | 63.00 | 62.00
 | 62.00 | 64.00 | 62.00 | 61.00
 | 28 | 56 | 58 |
| Bromide (Br') | mg/L | 0.05 | 0.05 | 0.05 | 0.25
 | | 0.25 0.2 | 5 0.2 | 5 | 0.25 | 0.25
 | 0.25 | 0.25 | 0.25 | 0.25
 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25
 | 0.25 | 0.25 | 0.25 | 0.25
 | 0.25 | 0.25 | 0.25 |
| Chloride (CI) | mg/L | - 1 | 1 | 1 | - 1
 | 120 | 1 2 | 3 | | 5 | 7
 | 6 | 1 | 2 | 5
 | 4 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 4 | 4
 | 3 | 4 | 3 | 3
 | 1.00 | 5 | 2 |
| Sulphate (SO ₄ ²) | mg/L | 1 | 1 | 1 | 1
 | | 1 1 | 1 | + | 1.000 | 5
 | 5 | 1 | 1 | 4
 | 3 | 3.00 | 4.00 | 4.00 | 4.00 | 4.00 | 3 | 2
 | 3 | 3 | 3 | 3
 | 1.000 | 3 | 1 |
| Ammonia (NH ₂ +NH ₄) | mg N/L | 0.02 | 0.02 | 0.02 | 0.02
 | 0.021-231 | 0.06 0.6 | 2 0.0 | 2 | 0.02 | 0.02
 | 0.02 | 0.02 | 0.02 | 0.02
 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.02 | 0.04
 | 0.02 | 0.02 | 0.02 | 0.02
 | 0.02 | 0.02 | 0.02 |
| Nitrite (NO ₂) | mg N/L | 0.005 | 0.002 | 0.005 | 0.100
 | 0.06 | 0.005 0.0 | 5 0.0 | 05 | 0.007 | 0.005
 | 0.005 | 0.005 | 0.005 | 0.005
 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10
 | 0.10 | 0.10 | 0.10 | 0.10
 | 0.005 | 0.005 | 0.005 |
| Nitrate (NO ₃ ') | mg N/L | 0.1 | 0.10 | 0.1 | 0.1
 | 13 | 0.10 0. | 0 0.1 | 0 | 0.10 | 0.10
 | 0.10 | 0.10 | 0.10 | 0.10
 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10
 | 0.10 | 0.10 | 0.10 | 0.10
 | 0.10 | 0.10 | 0.10 |
| NO ₂ +NO ₃ | mg N/L | 0.1 | 0.10 | 0.1 | 0.1
 | | 0.10 0. | | | 0.10 | 0.10
 | 0.10 | 0.10 | 0.10 | 0.10
 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10
 | 0.10 | 0.10 | 0.10 | <0.10
 | 0.10 | 0.10 | 0.10 |
| Total Phosphorus | mg/L | 0.01 | 0.003 | 0.003 | 0.003
 | | 0.007 0.0 | 15 0.0 | 05 | 0.006 | 0.005
 | 0.007 | 0.004 | 0.004 | 0.003
 | 0.004 | 0.003 | 0.006 | 0.005 | 0.006 | 0.004 | 0.003 | 0.003
 | 0.003 | 0.004 | 0.004 | 0.005
 | 0.004 | 0.006 | 0.003 |
| Total Organic Carbon (TOC) | mg/L | | 0.5 | 0.5 | 0.5
 | | 1.8 1. | 1. | 9 | 3.0 | 2.8
 | 2.1 | 1.7 | 1.9 | 2
 | 1.80 | 1.90 | 1.60 | 1.90 | 1.90 | 2.00 | 2.00 | 1.90
 | 1.80 | 1.90 | 1.80 | 1.80
 | 1.1 | 2.1 | 1.9 |
| Dissolved Organic Carbon | mg/L | <u> </u> | 0.5 | 0.5 | 0.5
 | | 1.7 1. | | | 2.8 | 2.7
 | 1.9 | 1.6 | 1.8 | 2
 | 1.70 | 1.90 | 1.50 | 1.80 | 1.60 | 1.70 | 2.00 | 1.90
 | 1.70 | 1.80 | 1.80 | 1.70
 | 1.0 | 2.0 | 1.8 |
| Total Kjeldahl Nitrogen (TKN) | mg/L | | 0.05 | 0.1 | 0.1
 | | 0.21 0. | 5 0 .1 | 0 | 0.24 | 0.19
 | 0.18 | 0.17 | 0.17 | 0.10
 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10
 | 0.10 | 0.10 | 0.10 | 0.10
 | 0.21 | 0.20 | 0.10 |
| Phenois | mg/L | 0.001 | 0.001 | 0.001 | 0.001
 | 0.004 | 0.001 0.0 | н о.о | 21 | 0.001 | 0.001
 | 0.001 | 0.001 | 0.001 | 0.001
 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001
 | 0.001 | 0.001 | 0.001 | 0.001
 | 0.001 | 0.001 | 0.001 |
| Total Metals and Non-Metals
Aluminium | mg/L | 0.005 | 0.0010 | 0.001 | 0.003
 | 0.005-0.1 | 0.01420 0.03 | 13 0.01 | 75 0 | 0.06210 | 0.0158
 | 0.0225 | 0.01320 | 0.0195 | 0.0167
 | 0.0065 | 0.0060 | 0.0059 | 0.006 | 0.0046 | 0.0045 | 0.0058 | 0.0073
 | 0.199 | 0.0268 | 0.0058 | 0.0057
 | 0.01180 | 0.0132 | 0.0107 |
| Antimony | mg/L | | 0.00010 | 0.0001 | 0.0001
 | | 0.0001 0.00 | 0.00 | 01 0 | 0.00010 | 0.0001
 | 0.0001 | 0.00010 | 0.0001 | 0.0001
 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001
 | 0.0001 | 0.0001 | 0.0001 | 0.0001
 | 0.00010 | 0.0001 | 0.0001 |
| Arsenic | mg/L | 0.001 | 0.00010 | 0.0001 | 0.0001
 | 0.005 | 0.0001 0.00 | 0.00 | 01 0 | 0.00010 | 0.0001
 | 0.0001 | 0.00010 | 0.0001 | 0.0001
 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001
 | 0.0001 | 0.0001 | 0.0001 | 0.0001
 | 0.00010 | 0.0001 | 0.0001 |
| Barium
Beryllum | mg/L | 0.01 | 0.000050 | 0.00005 | 0.00005
 | | 0.00421 0.00 | 19 0.00 | 519 0 | 0.00587 | 0.00514
 | 0.00632 | 0.00386 | 0.00504 | 0.00656
 | 0.00494 | 0.00535 | 0.00516 | 0.00507 | 0.00543 | 0.00511 | 0.00514 | 0.00528
 | 0.00523 | 0.00530 | 0.00528 | 0.00519
 | 0.00218 | 0.00463 | 0.00527 |
| Bismuth | mg/L
mg/L | | 0.00050 | 0.0005 | 0.0005
 | | 0.0005 0.00 | 95 000 | 05 (| 0.0005 | 0.0005
 | 0.0005 | 0.00050 | 0.0005 | 0.0005
 | 0.0005 | 0.0005 | 0.0005 | 0.0005 | 0.0005 | 0.0005 | 0.0005 | 0.0005
 | 0.0005 | 0.0005 | 0.0005 | 0.0005
 | 0.00050 | 0.0005 | 0.0005 |
| Boron | mg/L | 0.01 | 0.010 | 0.01 | 0.01
 | 1.5 | 0.01 0.0 | 1 0.0 | 1 0 | 0.01000 | 0.01
 | 0.01 | 0.01000 | 0.01 | 0.01
 | 0.01 | 0.011 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.016
 | 0.011 | 0.01 | 0.011 | 0.01
 | 0.01000 | 0.01 | 0.01 |
| Cadmium | mg/L | 0.0001 | 0.000017 | 0.000017 | 0.00001
 | 0.000029 | 0.000024 0.00 | 01 0.00 | 001 0 | 000022 | 0.00001
 | 0.00001 | 0.00001 | 0.00001 | 0.000011
 | 0.00001 | 0.00001 | 0.00001 | 0.00001 | 0.00001 | 0.00001 | 0.00001 | 0.00001
 | 0.00001 | 0.00001 | 0.00001 | 0.00001
 | 0.00001 | 0.00001 | 0.00001 |
| Calcium | mg/L | 1 | 0.050 | 0.05 | 0.05
 | | 10.7 10 | B 12 | 6 | 10.8 | 11.1
 | 13.7 | 9.48 | 10.9 | 15.1
 | 12.10 | 12.80 | 12.60 | 12.40 | 12.80 | 12.40 | 12.50 | 11.40
 | 12.50 | 12.60 | 12.70 | 12.50
 | 5.30 | 10.7 | 12.5 |
| Chromium | mg/L | 0.001 | 0.00050 | 0.0005 | 0.0005
 | 0.0047 | 0.0005 0.00 | 05 0.00 | 05 0 | 0.00050 | 0.0005
 | 0.0005 | 0.0005 | 0.0005 | 0.0005
 | 0.0005 | 0.0005 | 0.0005 | 0.0005 | 0.0005 | 0.0005 | 0.0005 | 0.00064
 | 0.0005 | 0.0005 | 0.0005 | 0.0005
 | 0.00050 | 0.0005 | 0.0005 |
| Cobalt | mg/L | 0.0002 | 0.00010 | 0.0001 | 0.0001
 | | 0.0001 0.00 | | 01 0 | 0.00010 | 0.0001
 | 0.0001 | 0.0001 | 0.0001 | 0.0001
 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001
 | 0.0001 | 0.0001 | 0.0001 | 0.0001
 | 0.00010 | 0.0001 | 0.0001 |
| Copper | mg/L | 0.001 | 0.00010 | 0.0001 | 0.0005
 | 0.002 | 0.00085 0.00 | | | 0.00281 | 0.001
 | 0.002 | 0.00091 | 0.00095 | 0.002
 | 0.00084 | 0.00084 | 0.00099 | 0.00082 | 0.00086 | 0.0009 | 0.00086 | 0.00115
 | 0.00091 | 0.00089 | 0.00111 | 0.00084
 | 0.00046 | 0.00094 | 0.00099 |
| Iron
Lead | mg/L
mg/L | 0.03 | 0.030 | 0.03 | 0.03
 | 0.3 | 0.00005 0.00 | | | 0.08100 | 0.00006
 | 0.033 | 0.00008 | 0.0008 | 0.033
 | 0.00005 | 0.00005 | 0.00007 | 0.00005 | 0.00005 | 0.00005 | 0.03 | 0.00006
 | 0.00 | 0.005 | 0.0006 | 0.00005
 | 0.03000 | 0.03 | 0.03 |
| Lead | mg/L
mg/L | 0.001 | 0.000050 | 0.0005 | 0.0005
 | 0.001 | 0.0006 0.00 | 6 0.00 | 306 0 | 0.00011 | 0.00006
 | 0.00006 | 0.00008 | 0.00008 | 0.0001
 | 0.00005 | 0.00005 | 0.0007 | 0.00006 | 0.00005 | 0.0005 | 0.005 | 0.00006
 | 0.00005 | 0.00013 | 0.00006 | 0.00005
 | 0.00006 | 0.00005 | 0.00005 |
| Magnesium | mg/L | 1 | 0.10 | 0.1 | 0.1
 | | 6.52 6.0 | 9 82 | 11 | 7.24 | 7.07
 | 8.77 | 5.80 | 6.89 | 10.3
 | 7.57 | 7.91 | 7.72 | 7.62 | 7.82 | 7.63 | 7.80 | 7.03
 | 7.85 | 7.82 | 7.90 | 7.85
 | 3.18 | 6.68 | 7.73 |
| Manganese | mg/L | 0.01 | 0.000050 | 0.00005 | 0.00005
 | | 0.00133 0.00 | 17 0.00 | 171 0 | 0.00203 | 0.0015
 | 0.00183 | 0.00129 | 0.00176 | 0.0019
 | 0.0014 | 0.0015 | 0.00142 | 0.0013 | 0.00137 | 0.0013 | 0.0014 | 0.00227
 | 0.00151 | 0.00182 | 0.00156 | 0.00154
 | 0.000932 | 0.00138 | 0.00143 |
| Mercury | mg/L | | 0.000050 | 0.00001 | 0.00001
 | 0.000026 | 0.00001 0.00 | 0.00 | 001 0 | 0.00001 | 0.00001
 | 0.00001 | 0.00001 | 0.00001 | 0.00001
 | 0.00001 | 0.00001 | 0.00001 | 0.00001 | 0.00001 | 0.00001 | 0.00001 | N/A - IS
 | 0.00001 | 0.00001 | 0.00001 | 0.00001
 | 0.00001 | 0.00001 | 0.00001 |
| Molybdenum | mg/L | 0.005 | 0.000050 | 0.00005 | 0.00005
 | 0.073 | 0.000473 0.00 | | | |
 | | 0.000465 | | 0.00101
 | 0.000684 | 0.000750 | 0.000716 | 0.000691 | 0.000677 | 0.000696 | 0.000721 | 0.000675
 | 0.000721 | 0.000769 | 0.000754 | 0.000764
 | 0.000264 | | 0.00067 |
| Nickel | mg/L | 0.005 | 0.00050 | 0.0005 | 0.0005
 | 0.083 | 0.00058 0.00 | 0.00 | 081 0 | 0.00143 | 0.00065
 | 0.00091 | 0.00059 | 0.00066 | 0.00098
 | 0.00063 | 0.00066 | 0.00069 | 0.00067 | 0.00069 | 0.00069 | 0.00062 | 0.00070
 | 0.00068 | 0.00075 | 0.00067 | 0.00065
 | 0.00050 | 0.00071 | 0.00072 |
| Phosphorus
Potassium | mg/L | 0.01 | 2.0 | 0.05 | 0.003
 | | 0.663 0.7 | 7 10 | 8 | 113 | 0.794
 | 0.956 | 0.621 | 0.774 | 1.33
 | | | | | | | |
 | | | |
 | 0.345 | 0.731 | 0.821 |
| Selenium | mg/L | 0.001 | | 0.001 | 0.001
 | 0.001 | 0.001 0.0 | н о.о | 01 0 | 0.00100 | 0.001
 | 0.001 | 0.00100 | 0.001 | 0.001
 | | | | | | | |
 | | | |
 | 0.00100 | 0.001 | 0.001 |
| Silicon | mg/L | | 0.050 | 0.05 | 0.05
 | | 0.63700 0.6 | 6 0.6 | 3 0 | 0.92600 | 0.663
 | 0.816 | 0.56200 | 0.647 | 0.849
 | | | | | | | |
 | | | |
 | 0.30800 | 0.604 | 0.648 |
| Silver | mg/L | | 0.000010 | 0.00001 | 0.000001
 | 0.0001 | 0.00001 0.00 | 01 0.00 | 001 0 | 0.00001 | 0.00001
 | 0.00001 | 0.00001 | 0.00001 | 0.00001
 | | | | | | | |
 | | | |
 | 0.00001 | 0.00001 | 0.00001 |
| Sodium | mg/L | | | 0.05 |
 | | 0.556 0.6 | | | |
 | | | |
 | | | | | | | |
 | | | |
 | 0.277 | | 0.796 |
| Strontium | mg/L | | | 0.0001 |
 | | 0.00673 0.00 | | | |
 | | 0.00619 | 0.00752 |
 | | | | | | | |
 | | | |
 | | | 0.0081 |
| Thallum | mg/L | | | 0.0001 |
 | 0.0008 | 0.0001 0.00 | | | 0.00010 | 0.0001
 | 0.0001 | | | | | | |
 | | | | | | | |
 | | | |
 | 0.00348 | | 0.0001 |
| Tin
Titanium | mg/L
mg/L | | 0.00010 | 0.0001 |
 | . | 0.0001 0.00 | | | 200047 |
 | | | |
 | | | | | | | |
 | | | |
 | 0.00348 | 0.00708 | 0.000 |
| Uranium | mg/L | | | |
 | | 0.01 0.0 | | | | 0.0001
 | 0.0001 | | 0.0001 | | | | |
 | | | | | | | |
 | | | |
 | 0.00348
0.00010
0.00010
0.01000 | | 0.0001 |
| Vanadium | | | | 0.00001 | 0.00001
 | 0.015 | | 1 0.0 | 11 0 | 0.01000 | 0.0001
 | 0.0001 | 0.00010 | 0.0001
0.0001
0.01 | 0.0001
0.0001
0.01
 | | | | | | | |
 | | | |
 | 0.00010
0.00010
0.01000 | 0.0001 | 0.0001 |
| Zinc | | 0.001 | 0.0010 | 0.00001 | 0.00001
 | | 0.01 0.0 | 712 0.000 | 797 0. | 2.01000 | 0.0001
 | 0.0001
0.01
0.00142 | 0.00010
0.01000
0.000491 | 0.0001
0.0001
0.01
0.00692 | 0.0001
0.0001
0.01
 | | | | | | | |
 | | | |
 | 0.00010
0.00010
0.01000 | 0.0001
0.0001
0.01 | 0.0001 |
| Sheekerd H. | mg/L | | | | 0.00001
 | | 0.01 0.0 | 1 0.0
712 0.000 | 1 0
797 0. | 000871 | 0.0001
0.01
0.000752
 | 0.0001
0.01
0.00142
0.001 | 0.00010
0.01000
0.000491 | 0.0001
0.0001
0.001
0.000892 | 0.0001
0.0001
0.01
 | | | | | | | |
 | | | |
 | 0.00010
0.00010
0.01000 | 0.0001
0.0001
0.01 | 0.0001
0.01
0.000817 |
| Dissolved Metals and Non-Metals
Aluminium | | 0.01 | 0.0010 | 0.001 | 0.00001
0.001
0.003
 | 0.006 | 0.01 0.0
0.000511 0.00
0.001 0.0
0.001000 0.0 | 712 0.000
712 0.000
91 0.00 | 11 0
1797 0.
21 0. | 2.01000
1.000871
1.001000 | 0.0001
0.01
0.000752
0.001
 | 0.0001
0.01
0.00142
0.001
0.0027 | 0.00010
0.01000
0.000491
0.001000
0.002200 | 0.0001
0.0001
0.001
0.000892
0.0011 | 0.0001
0.0001
0.001
0.00154
0.001
0.0025
 | 0.003 | 2.003 | 2.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.0038
 | 0.003 | 0.003 | 0.003 | 2,003
 | 0.00010
0.00010
0.01000
0.000268
0.001000 | 0.0001
0.0001
0.001
0.000507 | 0.0001
0.01
0.000817
0.0001 |
| Dissolved Metals and Non-Metals Aluminium Antimony | | 0.01 | 0.0010 | 0.001 | 0.00001
0.001
0.003
 | 0.006 | 0.01 0.0
0.000511 0.00
0.001 0.0 | 712 0.000
712 0.000
91 0.00 | 11 0
1797 0.
21 0. | 2.01000
1.000871
1.001000 | 0.0001
0.01
0.000752
0.001
 | 0.0001
0.01
0.00142
0.001
0.0027 | 0.00010
0.01000
0.000491
0.001000
0.002200 | 0.0001
0.0001
0.001
0.000892
0.0011 | 0.0001
0.0001
0.001
0.00154
0.001
0.0025
 | 0.003
0.0001 | 0.003
0.0001 | 0.003 | 0.003 | a.003 | 0.003
0.0001 | 0.003
0.0001 | 0.0038
0.0001
 | 0.003
0.0001 | 0.003 | 0.003
0.0001 | 0.003
0.0001
 | 0.00010
0.00010
0.01000
0.000268
0.001000 | 0.0001
0.0001
0.01 | 0.0001
0.01
0.000817
0.0001 |
| Aluminium | mg/L
mg/L | 0.01 | 0.0010
0.0010
0.00010
0.00010 | 0.001
0.001
0.001
0.0001
0.0001 | 0.00001
0.001
0.003
0.003
0.0001
0.0001
 | 0.006 | 0.01 0.0
0.000511 0.00
0.001 0.0
0.001000 0.0
0.00180 0.0
0.00180 0.0
0.0001 0.0 | f 0.0 712 0.000 if 0.0 if 0.00 if 0.00 if 0.00 if 0.00 | 11 0
1797 0.
21 0.
115 0.
117 0
101 0 | 2.01000
1.000871
1.001000
1.003600
1.003600
2.00010 | 0.001
0.01
0.00752
0.001
0.001
0.0013
0.0013
 | 0.0001
0.01
0.00142
0.001
0.0027
0.0037
0.0001 | 0.00010
0.01000
0.000491
0.001000
0.002200
0.002200
0.00520
0.00010 | 0.0001
0.001
0.01
0.00092
0.0011
0.0011 | 0.0001
0.0001
0.0154
0.00154
0.0025
0.0027
 | 0.0001 | 0.003
0.0001 | 0.0001 | 0.003
0.0001 | a axx a | 0.003
0.0001
0.0001 | 0.003
0.0001
0.0001 | 0.0001
 | 0.003
0.0001 | 0.003
0.0001
0.0001 | 0.003
0.0001 | 0.003
 | 0.00010
0.00010
0.01000
0.000258
0.001000
0.001000
0.00230
0.00010 | 0.0001
0.0001
0.000807
0.000807
0.0001
0.0012 | 0.0001 0.01 0.00817 0.000817 0.001 0.002 |
| Alaminium Antimony Arsenic Barium | mg/L
mg/L
mg/L | 0.01
0.005
-
0.001 | 0.0010
0.0010
0.00010
0.00010 | 0.001
0.001
0.001
0.0001
0.0001
0.00005 | 0.00001
0.001
0.003
0.003
0.0001
0.0001
 | 0.006 | 0.01 0.4
0.000511 0.000
0.00100 0.0
0.00180 0.0
0.00180 0.0
0.0010 0.0
0.0011 0.0
0.0011 0.0
0.0011 0.0 | 7 0.0 712 0.000 11 0.0 11 0.00 11 0.00 11 0.00 11 0.00 11 0.00 11 0.00 11 0.00 11 0.00 11 0.00 11 0.00 | 11 0
1797 0.
191 0.
115 0.
117 0
101 0
101 0 | 2.01000
1.000871
1.001000
1.003600
1.003600
2.00010
2.00010
0.00541 | 0.001
0.01
0.000752
0.001
0.001
0.0013
0.0001
0.0001
0.00096
 | 0.0001
0.01
0.00142
0.001
0.0027
0.0037
0.0001
0.0001 | 0.00010
0.000491
0.0002200
0.002200
0.00520
0.00520
0.00010 | 0.0001 0.001 0.001 0.001 0.0010 0.0011 0.0012 0.0001 0.00010 0.0001 | 0.0001 0.00154 0.00154 0.00154 0.0025 0.0025
 | 0.0001
0.0001
0.00506 | 0.00504 | 0.0001 | 0.00517 | 0.00515 | 0.0051 | 0.00511 | 0.0001
0.0001
0.00625
 | 0.00502 | 0.00499 | 0.00510 | 0.00503
 | 0.00010
0.00010
0.000288
0.001000
0.00230
0.00230
0.00010
0.00220 | 0.0001 0.0001 0.0001 0.000007 0.000007 0.0011 0.0012 0.0001 0.0001 | 0.0001
0.001
0.000817
0.0001
0.0001
0.0002
0.00001
0.0001 |
| Alamislam Antimony Anseric Barium Beryllum | mg/L mg/L mg/L mg/L mg/L | 0.01 | 0.0010
0.0010
0.00010
0.00010
0.000050 | 0.001
0.001
0.001
0.0001
0.0001
0.0005 | 0.00001
0.001
0.003
0.003
0.0001
0.0001
0.00005
 | 0.006 | 0.01 0.00511 0.001 0.000511 0.001 0.00100 0.0 0.00100 0.0 0.00100 0.0 0.0001 0.0 0.0001 0.0 0.0001 0.0 0.0001 0.0 0.0001 0.0 0.0001 0.0 0.0001 0.0 0.0001 0.0 | 7 0.0 7712 0.000 91 0.00 91 0.00 115 0.00 115 0.00 101 0.00 101 0.00 101 0.00 101 0.00 101 0.00 101 0.00 101 0.00 | 11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 2.01000
1.000871
1.001000
1.003600
1.003600
2.00010
2.00010
2.00010
1.00541 | 0.001
0.01
0.00752
0.001
0.0013
0.0001
0.0001
0.0001
0.0001
0.0001
 | 0.0001
0.01
0.00142
0.001
0.0027
0.0037
0.0001
0.0001
0.00048 | 0.00010
0.01000
0.000491
0.001000
0.002200
0.00520
0.00520
0.00010
0.000177 | 0.0001 0.0001 0.01 0.000892 0.00018 0.00019 0.00019 0.00010 0.00010 0.00010 0.00001 | 0.0001 0.001 0.001 0.00154 0.00154 0.0025 0.0037 0.00069 0.00669
 | 0.0001
0.0001
0.00506 | 0.00504 | 0.0001 | 0.00517 | 0.00515 | 0.0051 | 0.00511 | 0.0001
0.0001
0.00625
0.0005
 | 0.00502 | 0.00499 | 0.00510 | 0.00503
 | 0.00010
0.00010
0.00010
0.000258
0.001000
0.00030
0.00030
0.00030
0.00030 | 0.0001 0.00007 0.000007 0.0001 0.0001 0.0001 0.0001 0.0001 | 0.001
0.00817
0.000817
0.0002
0.0001
0.0002
0.0001
0.000517 |
| Alamislam Antimony Arsenic Barium Benyilum Bismuth | mg/L mg/L mg/L mg/L mg/L mg/L | 0.01 | 0.0010
0.0010
0.00010
0.00010
0.000050
0.00050 | 0.001 0.001 0.001 0.001 0.0001 0.0001 0.0005 0.0005 | 0.00001
0.001
0.003
0.003
0.0001
0.0001
0.00005
0.0005
 | 0.006 | 0.01 0.1 0.000811 0.000811 0.000811 0.00081 0.00100 0.0 0.00100 0.0 0.00100 0.0 0.00110 0.0 0.0011 0.0011 0.0 0.0011 0.0 0.0011 0.0 0.0011 0.0 0.0011 0.0 0.0011 0.0 0.0011 0.0 0.0011 0.0 0.0011 0.0 0.0011 0.0 0.0011 0.0 0.0011 0.0 | 1 0.0 1712 0.000 11 0.0 11 0.0 | 11 0
1797 0.
1797 0.
115 0.
117 0
101 0
101 0
101 0
101 0
101 0 | 2.01000
1.000871
1.001000
1.003600
1.003600
1.003600
2.00010
2.00010
1.00541
2.00050 | 0.0001
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 | 0.0001
0.01
0.00142
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0.0037
0.0037
0.0001
0.00648
0.0005 | 0.0010
0.000491
0.001000
0.002200
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0.000377 | 0.0001
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0.0005 | 0.0001
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0.0005 | 0.00517
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 | 0.00502
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0.0005 | 0.00499
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0.0005 | 0.00503
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0.0001 | 0.0001
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0.000817
0.0001
0.0001
0.0001
0.0001
0.000517 |
| Alaminam Antimony Arsenic Barium Beryaum Bismuth Bismon | mg/L mg/L mg/L mg/L mg/L mg/L mg/L | 0.01
0.005
-
0.001
0.01
- | 0.0010
0.0010
0.00010
0.00010
0.00050
0.00050
0.00050 | 0.001 0.001 0.001 0.001 0.0001 0.0001 0.0005 0.0005 0.0005 | 0.00001
0.001
0.003
0.003
0.0001
0.0001
0.00005
0.0005
 | 0.006 | 0.01 0.1 0.000511 0.001 0.00100 0.0 0.001000 0.0 0.001000 0.0 0.00100 0.0 0.00100 0.0 0.00100 0.0 0.00110 0.00 0.00110 0.00 0.0001 0.00 0.0001 0.00 0.0001 0.00 0.0001 0.00 0.0001 0.00 0.0001 0.00 0.0005 0.00 | 1 0.0 1712 0.000 11 0.00 11 0.00 11 0.00 11 0.00 115 0.00 101 0.00 | 01 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 2.01000
1.000871
1.001000
1.003600
1.003600
1.003600
2.00010
2.00010
2.00050
2.00050
2.00050 | 0.0001
0.000752
0.001
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0.002200
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0.00050 | 0.0001
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0.00054
0.0005 | 0.0001 0.00154 0.001 0.00154 0.0025 0.00007 0.00007 0.00006 0.0006 0.0006 0.0006
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0.005 | 0.00504
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0.0005 | 0.00610
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0.0005 | 0.00503
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 | 0.00010 0.00010 0.00010 0.00020 0.00020 0.00020 0.00020 0.00020 0.00020 0.00020 0.00020 0.00020 | 0.0001 0.0001 0.0012 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 | 0.001
0.00817
0.000817
0.0002
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0.000517 |
| Alamislam Antimony Arsenic Barium Benyilum Bismuth | mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L | 0.01
0.005
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0.01 | 0.0010
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0.00010
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0.00050 | 0.001 0.001 0.001 0.001 0.0001 0.0001 0.00005 0.0005 0.0005 0.0005 | 0.00001
0.001
0.003
0.003
0.0001
0.0001
0.0005
0.0005
0.0005
 | 0.006 | 0.01 0.0 0.000811 0.001 0.000811 0.001 0.001000 0.0 0.001000 0.0 0.00100 0.0 0.00100 0.0 0.00010 0.0 0.00011 0.0 0 | 1 0.0 1712 0.000 11 0.00 | 01 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 2.01000
1.000871
1.001000
1.003600
1.003600
1.003600
2.00010
2.00010
2.00010
2.00050
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2.00050
2.00050 | 0.0001
0.000752
0.001
0.0001
0.0013
0.0001
0.0001
0.0001
0.0001
0.0001
0.0005
0.0005
0.0005
 | 0.0001
0.00142
0.00142
0.0027
0.0037
0.0037
0.0001
0.00648
0.0005
0.0005 | 0.00010
0.000491
0.001000
0.002200
0.002200
0.00520
0.00520
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0.00520
0.00520 | 0.0001
0.001
0.001
0.001
0.001
0.0011
0.0011
0.0011
0.0001
0.00504
0.0005
0.0005 | 0.0001
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0.00059
0.0005
 | 0.0001
0.00508
0.00508
0.005
0.005
0.01 | 0.00504
0.0005
0.0005
0.01 | 0.0001
0.00517
0.0005
0.0005
0.0005 | 0.00517
0.0005
0.0005
0.01
0.00001 | 0.00515
0.0005
0.0005
0.01 | 0.0051
0.0005
0.0005
0.01 | 0.00511
0.0005
0.0005
0.01 | 0.0001
0.00025
0.0005
0.0005
0.0005
 | 0.00502
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0.0005
0.01 | 0.00499
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0.0005
0.01 | 0.00510
0.0005
0.0005
0.01 | 0.00503
0.0005
0.0005
0.01
 | 0.00010 0.00010 0.00010 0.000000 0.000000 0.000000 0.000000 0.000000 | 0.0001 0.000607 0.000607 0.0010 0.0010 0.0001 0.0001 0.0001 0.0001 0.0001 0.00001 0.00001 | 0.0001
0.01
0.000817
0.000817
0.0001
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0.000517
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| Astrinum Antimory Anterio Banum Berynum Berynum Bismuth Cadmium | mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L | 0.01
0.005
-
0.001
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0.01
0.001 | 0.0010
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0.050 | 0.001 0.001 0.001 0.001 0.0001 0.0001 0.0005 0.0005 0.0005 | 0.00001
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 | 0.006 | 0.01 0.0 0.000811 0.001 0.000811 0.001 0.001000 0.0 0.001000 0.0 0.00100 0.0 0.00100 0.0 0.00010 0.0 0.00011 0.0 0 | 1 0.00 1712 0.000 1712 0.000 1712 0.000 171 0.00 171 0.00 171 0.00 171 0.00 171 0.00 171 0.00 171 0.00 171 0.00 171 0.00 171 0.00 171 0.00 171 0.00 171 0.00 171 0.00 171 0.00 171 0.00 171 0.00 171 0.00 171 0.00 172 0.00 172 0.00 173 0.00 174 0.00 175 0.00 | 01 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 2.01000
1.000871
1.001000
1.003600
1.003600
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2.00010
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2.00560
2.00560
2.0000021
10.9 | 0.0001
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0.000752
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0.00142
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| Adminum Adminum Adminum Arsenic Barium Berglum Berglum Bonuth Bonon Cadmium Cadmium | mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L | 0.01
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0.0001 | 0.0010 0.0010 0.00010 0.00010 0.000050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 | 0.001 0.001 0.001 0.001 0.0001 0.0001 0.00005 0.0005 0.0005 0.0005 0.0005 | 0.00001
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 | 0.006 | 0.01 0.000011 0.00011 | 1 0.00 1712 0.000 1712 0.000 1712 0.000 1713 0.000 1715 0.0000 1715 0.0000 1715 0.0000 1715 0.0000 1715 0.0000 1715 0.0000 1715 0.0000 1715 0.0000 1715 0.0000 1715 0.0000 1715 0.0000 1715 | 011 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 2.01000
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12.30 | 0.00499 0.0005 0.0005 0.0005 0.0001 12.40 0.0005 | 0.00510 0.0005 0.0005 0.001 0.00001 12.40 0.0005 | 0.00503
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| Autonom Antenoy Artenic Beature Berylum Berylum Berylum Cadditum Cadditum Critonium Codali Copper | mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L | 0.01 0.005 - 0.001 0.001 - 0.01 0.01 0.01 - 0.001 0.0001 1 0.0001 | 0.0010 0.0010 0.00010 0.00010 0.000050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 | 0.001 0.001 0.001 0.001 0.0001 0.0001 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 | 0.00001 0.001 0.001 0.003 0.0001 0.0001 0.00005 0.0005 0.0005 0.005 0.0005 0.0005 0.0005 0.0005
 | 0.006 | 0.071 0.000001 0.000001 0.001000 0.001000 0.001000 0.001000 0.001000 0.001000 0.001000 0.001000000 0.00010000000 0.00000000 | 1 0.00 712 0.000 81 0. | 11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 2.01000
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Parameters In Situ Parameters			Method	Method			Chandaus I	ales Managhan	_						21/11 15:21:5
in Situ Parametore	Units	Detection Limit	Detection Limit	Detection Limit	SDL5	SDL05-WQ	SDL05-WQ	SDL6	SDL06-WQ	SDL06-WQ	Number of Samples	Mean	Standard Deviation	Number of Detects	Percentage of Detects
In Situ Parameters Temperature	°c	2006	2007	2008	25-Jun-08 2	31-Jul-08	14-Sep-08 4.3	25-Jun-08	31-Jul-08	14-Sep-08 4.5	23	6.34	2.71	22	96%
Specific Conductance	mS/cm	-		-	0.08		0.135	0.095		0.130	24	0.120	0.020	24	100%
Dissolved Oxygen	mg/L	-		-	13.85		12.74	14.3		11.68	12	13.26	0.82	12	100%
pH Wetted Width	- m	-		-	7.48		7.5	7.59		7.39	24	7.76	0.18	24	100%
Average Depth (m)	(m)			-							_				
Flow Rate	m3/s	-		-											
Measured Depth (m)	(m)			-											
Total Depth - May Samples Only Ice Thickness - May Samples Only	m			-											
Airspace - May Samples Only	m			-											
Snow Depth - May Samples Only	m			-											
Water Depth Turbidity	m NTU			-	1.2		1.2	1.2		1.2	12	1.2	0.0	12	100%
Secchi Disk Depth	m			-											-
General Parameters and Nutrients pH	_			1	7.88	7.84	7.68	7.89	7.86	7.67	30	7.57	0.30	30	100%
Conductivity	µS/cm	5	5	5	78	109	123	97	114	121	30	119.93	22.80	30	100%
Turbidity	NTU	0.1	0.1	0.1	0.6	0.5	0.9	0.5	0.4	0.8	30	0.60	0.37	30	100%
Hardness	mg/L as CaCO ₃	1	0.5	0.5	38.3		71	49.4		63	24	60.03	10.82	24	100%
TDS (COND - CALC)	mg/L	5	5	5	51	71	80	63	74	79	30	78.00	14.86	30	100%
Total Suspended Solids (TSS) Alkalinity	mg/L mg/L as CaCO ₃	5	2	2 5	38	54	58	48	57	57	30	4.13 57.87	8.11 9.82	27	90%
Bromide (Br')	mg/L	0.05	0.05	0.05	0.25	0.25	0.25	0.25	0.25	0.25	30	0.25	0.00	30	100%
Chloride (CF)	mg/L	1	1	1	1	2	3	1	2	3	30	3.07	1.51	19	63%
Sulphate (SO ₄ ²)	mg/L	1	1	1	1	1	1	1.000	1	1	30	2.333	1.398	22	73%
Ammonia (NH ₃ +NH ₄)	mg N/L	0.02	0.02	0.02	0.04	0.02	0.02	0.020	0.02	0.02	30	0.023	0.009	30	100%
Nitrite (NO ₂)	mg N/L mg N/L	0.005	0.002	0.005	0.005	0.005	0.005	0.005	0.005	0.005	30	0.043	0.047	30	100%
Nitrate (NO ₃ ') NO ₃ +NO ₃	mg N/L	0.1	0.10	0.1	0.10	0.10	0.10	0.10	0.10	0.10	29	0.10	0.00	29	100%
Total Phosphorus	mg/L	0.01	0.003	0.003	0.003	0.10	0.10	0.10	0.10	0.004	30	0.004	0.001	30	100%
Total Organic Carbon (TOC)	mg/L		0.5	0.5	1.50	1.9	1.9	1.80	2.0	1.9	30	1.92	0.33	29	97%
Dissolved Organic Carbon	mg/L		0.5	0.5	1.50	2.0	1.8	1.80	2.1	1.8	30	1.84	0.32	30	100%
Total Kjeldahl Nitrogen (TKN)	mg/L		0.05	0.1	0.1	0.10	0.10	0.20	0.23	0.10	30	0.14	0.05	30	100%
Phenois Total Metals and Non-Metals	mg/L	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	30	0.001	0.000	30	100%
Aluminium	mg/L	0.005	0.0010	0.001	0.00920	0.0128	0.0108	0.01120	0.0158	0.0092	30	0.01971	0.03556	30	100%
Antimorry Arsenic	mg/L mg/L	0.001	0.00010	0.0001	0.00010	0.0001	0.0001	0.00010	0.0001	0.0001	30	0.00010	0.00000	30	100%
Barium	mg/L	0.01	0.000050	0.00005	0.00303	0.00472	0.00528	0.00396	0.00528	0.00537	30	0.00498	0.00086	30	100%
Beryllum	mg/L		0.00050	0.0005	0.00050	0.0005	0.0005	0.00050	0.0005	0.0005	30	0.00050	0.00000	30	100%
Bismuth Boron	mg/L mg/L	0.01	0.00050	0.0005	0.00050	0.0005	0.0005	0.00050	0.0005	0.0005	30	0.00050	0.00000	30	100%
Cadmium	mg/L	0.0001	0.000017	0.000017	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	30	0.00001	0.00000	30	100%
Calcium	mg/L	1	0.050	0.05	7.37	10.8	12.4	9.51	10.8	12.6	30	11.55	1.87	30	100%
Chromium	mg/L	0.001	0.00050	0.0005	0.00050	0.0005	0.0005	0.00050	0.0005	0.0005	30	0.00050	0.00003	30	100%
Cobalt	mg/L mg/L	0.0002	0.00010	0.0001	0.00010	0.0001	0.0001	0.00010	0.0001	0.0001	30	0.00010	0.00000	30	100%
Iron	mg/L	0.03	0.030	0.03	0.03000	0.03	0.03	0.03000	0.03	0.03	30	0.03283	0.00988	30	100%
Lead	mg/L	0.001	0.000050	0.00006	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	30	0.00006	0.00002	30	100%
Lithium Magnesium	mg/L mg/L	1	0.0050	0.005	0.00500 4.54	6.74	7.81	0.00500 5.89	6.76	8.37	30	0.00500 7.26	0.00000	30	100%
Manganese	mg/L	0.01	0.000050	0.00005	0.00101	0.00141	0.00144	0.00123	0.00173	0.00141	30	0.00151	0.00028	30	100%
Mercury	mg/L									0.00001					
		0.0001	0.000050	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001		29	0.00001	0.00000	29	100%
Molybdenum	mg/L	0.005	0.000050	0.00005	0.00034	0.000543	0.000646	0.00001	0.000533	0.000689	30	0.000654	0.000159	30	100%
Molybdenum Nickel Phosphorus															
Nickel Phosphorus Potassium	mg/L	0.006	0.000050	0.00005	0.00034	0.000543	0.000646		0.000533	0.000689	30	0.000654	0.000159	30 30	100%
Nickel Phosphorus Potassium Selanium	mg/L mg/L mg/L	0.005	0.000050 0.00050 2.0 0.0010	0.00006 0.0005 0.05	0.00034 0.00050 0.470 0.00100	0.000543 0.0007 0.727 0.001	0.000646 0.00068 0.823	0.00060 0.00060 0.604	0.000533 0.00076 0.737	0.000689 0.00074 0.858	30 30 18	0.000654 0.00071 0.792 0.00100	0.000159 0.00017 0.232 0.00000	30 30 18	100%
Nickel Phosphorus Potassium	mg/L mg/L mg/L	0.006	0.000050 0.00050 2.0	0.00006 0.0006	0.00034	0.000543	0.000646 0.00068 0.823	0.00045	0.000533	0.000589	30 30 18	0.000654	0.000159	30 30	100%
Nickel Phosphorus Potassium Selanium	mg/L mg/L mg/L	0.005 0.005 0.001 0.001	0.000050 0.00050 2.0 0.0010 0.050 0.000010	0.00006 0.0005 0.005 0.001 0.05 0.0001 0.05	0.00034 0.00050 0.470 0.00100 0.42900 0.421	0.000543 0.0007 0.727 0.001 0.608 0.00001	0.000646 0.00068 0.823 0.001 0.685 0.00001	0.00045 0.00080 0.604 0.00100 0.55300 0.00001	0.000533 0.00076 0.737 0.001 0.631 0.00001	0.000689 0.00074 0.858 0.001 0.673 0.00001 1.68	30 30 18 18 18 18	0.000654 0.00071 0.792 0.00100 0.64028 0.00001	0.000159 0.00017 0.232 0.00000 0.13962 0.00000 3.167	30 30 30 18 18 18 18	100% 100% 100% 100% 100% 100%
Nickel Phosphotus Potassium Sekritum Sikoon Silver Sodium Sorontum	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.005 0.005 0.01 0.001	0.000050 0.00050 2.0 0.0010 0.050 0.000010 2.0 0.00010	0.0006 0.0005 0.005 0.001 0.05 0.0001 0.05	0.00034 0.00050 0.470 0.00100 0.42900 0.00001	0.000543 0.0007 0.727 0.608 0.00001 0.627	0.000646 0.00068 0.823 0.807 0.685 0.0001 0.77	0.00045 0.00080 0.604 0.00100 0.55300 0.569	0.000633 0.00076 0.737 0.631 0.0001 0.713	0.000689 0.00074 0.858 0.001 0.673 0.0001 1.68 0.00853	30 30 18 18 18 18 18	0.000654 0.00071 0.792 0.00100 0.64028 0.00001 1.774 0.00793	0.000159 0.00017 0.232 0.00000 0.13962 0.00000 3.167 0.00303	30 30 30 18 18 18 18	100% 100% 100% 100% 100% 100%
Nickel Phosphorus Plotassium Potassium Selenium Silecon Silver	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.005 0.005 0.001 0.001	0.000050 0.00050 2.0 0.0010 0.050 0.000010	0.00006 0.0005 0.005 0.001 0.05 0.0001 0.05	0.00034 0.00050 0.470 0.00100 0.42900 0.421	0.000543 0.0007 0.727 0.001 0.608 0.00001	0.000646 0.00068 0.823 0.001 0.685 0.00001	0.00045 0.00080 0.604 0.00100 0.55300 0.00001	0.000533 0.00076 0.737 0.001 0.631 0.00001	0.000689 0.00074 0.858 0.001 0.673 0.00001 1.68	30 30 18 18 18 18	0.000654 0.00071 0.792 0.00100 0.64028 0.00001	0.000159 0.00017 0.232 0.00000 0.13962 0.00000 3.167	30 30 30 18 18 18 18	100% 100% 100% 100% 100% 100%
Nodel Prosphous Prosphous Severum Severum Sison Sison Sher South Trailin Trailin	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.005 0.005 0.001 0.001 0.0001 0.005	0.000050 0.00050 2.0 0.00010 0.050 0.00010 2.0 0.00010 0.00010 0.00010 0.00010	0.00005 0.0005 0.005 0.005 0.001 0.05 0.0001 0.05 0.0001 0.0001 0.0001	0.00034 0.00050 0.470 0.00100 0.4250 0.00001 0.00498 0.00010 0.00010 0.00010	0.000543 0.0007 0.727 0.001 0.608 0.00001 0.627 0.0001 0.0001	0.000646 0.00068 0.823 0.823 0.001 0.885 0.00001 0.77 0.008	0.00045 0.00060 0.0004 0.00100 0.55300 0.00001 0.00001 0.00010 0.00010	0.000633 0.00076 0.737 0.007 0.631 0.00001 0.713 0.000737 0.0001	0.000689 0.00074 0.858 0.001 0.873 0.00001 1.68 0.00083	30 30 30 18 18 18 18 18 18 18 18	0.000654 0.00071 0.792 0.00100 0.64028 0.00001 1.774 0.00793 0.00010 0.00010	0.000159 0.00017 0.232 0.00000 0.13962 0.00000 3.167 0.00000 0.00000 0.00000	30 30 30 18 18 18 18 18 18 18 18	100% 100% 100% 100% 100% 100% 100% 100%
Nodel Prosphosa Prosphosa Polassum Selezum Selezum Sikon Sitve Sodum Storbum Traiken Tin Tin Trazum Unterprint	mgiL mgiL mgiL mgiL mgiL mgiL mgiL mgiL	0.005 0.005 0.001 0.001 0.001 0.001 0.001 0.001	0.00050 0.00050 2.0 0.0010 0.0050 0.00010 2.0 0.00010 0.00010 0.00010 0.00010	0.00005 0.0005 0.0005 0.005 0.001 0.005 0.0001 0.005 0.00001 0.0001 0.0001 0.0001	0.00034 0.00050 0.470 0.470 0.4290 0.4290 0.4291 0.00498 0.00010 0.000378	0.000543 0.0007 0.727 0.201 0.608 0.608 0.6007 0.627 0.0001 0.0001	0.000646 0.00068 0.823 0.823 0.007 0.685 0.0007 0.77 0.008 0.0007	0.00045 0.00080 0.604 0.604 0.00100 0.55300 0.569 0.00627 0.00010 0.000480	0.000633 0.00076 0.737 0.007 0.631 0.00001 0.713 0.000737 0.0001 0.00001	0.000689 0.00074 0.858 0.0073 0.0073 0.00093 0.00083 0.0001 0.000836	30 30 30 18 18 18 18 18 18 18 18 18	0.000654 0.00071 0.792 0.00100 0.64028 0.00001 1.774 0.00793 0.00010 0.00010	0.000159 0.00017 0.232 0.00000 0.13962 0.00000 3.167 0.00000 0.00000 0.000000 0.000000	30 30 30 18 18 18 18 18 18 18 18 18	100% 100% 100% 100% 100% 100% 100% 100%
Nodel Prosphous Prosphous Severum Severum Sison Sison Sher South Trailin Trailin	mgl. mgl. mgl. mgl. mgl. mgl. mgl. mgl.	0.005 0.005 0.001 0.001 0.001 0.001 - 0.001	0.00050 0.00050 2.0 0.0010 0.0050 0.00010 2.0 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010	0.00006 0.0006 0.0006 0.001 0.005 0.0001 0.0001 0.0001 0.0001 0.0001	0.00034 0.00050 0.470 0.00160 0.42900 0.00001 0.421 0.00488 0.00010 0.00010 0.000007	0.000543 0.0007 0.727 0.001 0.608 0.00001 0.627 0.0001 0.0001	0.000646 0.00068 0.823 0.823 0.001 0.885 0.00001 0.77 0.008	0.00045 0.00080 0.604 0.00080 0.55300 0.055300 0.00027 0.00027 0.00010 0.000490 0.000490	0.000633 0.00076 0.737 0.007 0.631 0.00001 0.713 0.000737 0.0001	0.000689 0.00074 0.858 0.001 0.873 0.00001 1.68 0.00083	30 30 30 18 18 18 18 18 18 18 18	0.000854 0.00071 0.792 0.00100 0.64028 0.00001 1.774 0.00793 0.00010 0.00010 0.01000	0.000159 0.00017 0.232 0.00000 0.13962 0.00000 3.167 0.00303 0.00000 0.000000 0.000001	30 30 30 18 18 18 18 18 18 18 18 18 18 18	100% 100% 100% 100% 100% 100% 100% 100%
Nobel Prosphose Prosphose Selection Selection Selection Selection Security Transphose Tr	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.005 0.005 0.001 0.001 0.001 0.001 - 0.001 - 0.001 - 0.001 - 0.001	0.00050 0.00050 2.0 0.0010 0.050 0.00010 2.0 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010	0.00006 0.0006 0.005 0.001 0.005 0.00001 0.005 0.00001 0.00001 0.0001 0.0001	0.00034 0.00050 0.470 0.470 0.00100 0.42500 0.4250 0.00010 0.00010 0.00010 0.000100 0.000100	0.000543 0.0007 0.727 0.001 0.608 0.0001 0.627 0.0001 0.0001 0.0001 0.0001	0.000646 0.00068 0.00068 0.823 0.685 0.0001 0.77 0.008 0.0001 0.001 0.001 0.001 0.001	0.00045 0.00000 0.604 0.604 0.604 0.55300 0.5590 0.00027 0.00010 0.00010 0.00010 0.000100 0.000100	0.000533 0.00076 0.737 0.001 0.0011 0.0011 0.0001 0.0001 0.0001 0.0001 0.0010 0.0010	0.000689 0.00074 0.858 0.001 0.673 0.0001 1.68 0.00883 0.0001 0.000836 0.000836	30 30 30 18 18 18 18 18 18 18 18 18 18 18 18	0.00054 0.00071 0.752 0.00100 0.64028 0.00001 1.774 0.00793 0.00010 0.00100 0.001000 0.0010444	0.000159 0.00017 0.232 0.232 0.00000 0.13962 0.00000 3.167 0.00000 0.00000 0.000000 0.000000 0.000000	30 30 30 18 18 18 18 18 18 18 18 18 18	100% 100% 100% 100% 100% 100% 100% 100%
Nobel Prosphose Prosphose Posterium Seterium Seterium Seterium Sodium Sodium Sodium Traillum Traillum Uranum Uranum Varaudum	mgit.	0.005 0.005 0.001 0.001 0.001 0.001 - 0.001	0.00050 0.00050 2.0 0.0010 0.0050 0.00010 2.0 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010	0.00006 0.0006 0.0006 0.001 0.005 0.0001 0.0001 0.0001 0.0001 0.0001	0.00034 0.00050 0.470 0.00160 0.42900 0.00001 0.421 0.00488 0.00010 0.00010 0.000007	0.000543 0.0007 0.727 0.001 0.608 0.00001 0.607 0.00717 0.0001 0.00717 0.0001 0.0001	0.000646 0.00068 0.00068 0.0007 0.0007 0.0007 0.0007 0.0007 0.000825	0.00045 0.00080 0.604 0.604 0.00100 0.55300 0.00027 0.00010 0.000490 0.000490	0.000633 0.00076 0.00076 0.0007 0.0007 0.0007 0.0007 0.000607 0.000607	0.000689 0.00074 0.858 0.001 0.673 0.0001 1.68 0.00083 0.0001 0.000836	30 30 30 18 18 18 18 18 18 18 18 18 18 18	0.000854 0.00071 0.792 0.00100 0.64028 0.00001 1.774 0.00793 0.00010 0.00010 0.01000	0.000159 0.00017 0.232 0.00000 0.13962 0.00000 3.167 0.00303 0.00000 0.000000 0.000001	30 30 30 18 18 18 18 18 18 18 18 18 18 18	100% 100% 100% 100% 100% 100% 100% 100%
Note Prosphose Prosphose Selection Selection Selection Silect Sodium Sovera Sovera Trailin Trailin Trailin Trailin Variable Variable Variable America America	. Турм	0.005 0.005 0.005 0.001 0.0001 0.001	0.000050 0.00050 0.00050 2.0 0.0010 0.00010 2.0 0.00010 0.00010 0.00010 0.00010 0.0010 0.0010 0.0010 0.0010 0.0010	0.00005 0.0005 0.0005 0.0005 0.0001 0.005 0.00001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001	0.00004 0.00000 0.470 0.470 0.42500 0.42500 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007	0.000543 0.0007 0.727 0.001 0.608 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001	0.000646 0.00068 0.823 0.823 0.685 0.0007 0.77 0.77 0.0001 0.0001 0.0001 0.0001	0.00045 0.00040 0.604 0.604 0.65300 0.55300 0.00027 0.00027 0.00027 0.000400 0.000400 0.00100 0.00100 0.00100 0.00100	0.000633 0.00076 0.737 0.0071 0.631 0.000071 0.000073 0.00007 0.000007 0.000007 0.000007 0.0001	0.000689 0.00074 0.858 0.007 0.673 0.00001 1.68 0.00083 0.0001 0.000836 0.000836 0.000836 0.000836 0.000836 0.000836	30 30 30 18 18 18 18 18 18 18 18 18 18	0.000654 0.00071 0.792 0.00100 0.64028 0.00001 1.774 0.00010 0.000734 0.00100 0.0010444 0.00264 0.00010	0.000159 0.00017 0.232 0.00000 0.13962 0.00000 3.167 0.00000 0.00000 0.000000 0.000000 0.000000	30 30 30 18 18 18 18 18 18 18 18 18 18	100% 100% 100% 100% 100% 100% 100% 100%
Nobel Prosphose Prosphose Prosphose Secrum Sicor Sicor Sicor Sicor Sicor Sicor Trellum Tremum Uranum Uranum American Androny	mgi. mgi. mgi. mgi. mgi. mgi. mgi. mgi.	0.005 0.005 0.005 0.001 0.0001 0.001	2.0 0.00050 0.00050 0.00050 2.0 0.0010 0.00010 2.0 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010	0.00005 0.0005 0.0005 0.0005 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001	0.00034 0.00050 0.4770 0.4790 0.42900 0.0021 0.0021 0.00010 0.00100	0.000543 0.0007 0.727 0.001 0.608 0.608 0.607 0.627 0.00717 0.0001 0.0001 0.00003	0.000646 0.00068 0.00068 0.823 0.685 0.685 0.0007 0.77 0.008 0.0001 0.0001 0.00025	0.00045 0.00000 0.00045 0.00000 0.00000 0.000000 0.000000 0.000000	0.000633 0.00076 0.737 0.0071 0.0071 0.00071 0.00073 0.00073 0.0007 0.000607 0.000607 0.0001 0.001200 0.00017	0.000689 0.00074 0.858 0.0073 0.00071 1.68 0.00083 0.00083 0.00083 0.0001 0.000830 0.0001 0.000830 0.0001 0.000830	30 30 30 18 18 18 18 18 18 18 18 18 18	0.000654 0.00071 0.792 0.00100 0.64028 0.00001 1.774 0.00010 0.000734 0.00100 0.0010444 0.00264 0.00010	0.000159 0.00017 0.232 0.00000 0.13962 0.00000 0.00000 0.00000 0.00000 0.000000	30 30 30 18 18 18 18 18 18 18 18 18 18	100% 100% 100% 100% 100% 100% 100% 100%
Note Prosphose Prosphose Selection Selection Selection Silect Sodium Sovera Sovera Trailin Trailin Trailin Trailin Variable Variable Variable America America	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.005 0.005 0.005 0.001 0.0001 0.001	0.000050 0.00050 0.00050 0.00050 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010	0.00005 0.0005 0.0005 0.0005 0.001 0.005 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001	0.00004 0.00000 0.470 0.470 0.42500 0.42500 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007	0.000543 0.0007 0.727 0.001 0.608 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001	0.000646 0.00068 0.823 0.823 0.685 0.0007 0.77 0.77 0.0001 0.0001 0.0001 0.0001	0.00045 0.00040 0.604 0.604 0.65300 0.55300 0.00027 0.00027 0.00027 0.000400 0.000400 0.00100 0.00100 0.00100 0.00100	0.000633 0.00076 0.737 0.0071 0.631 0.000071 0.000073 0.00007 0.000007 0.000007 0.000007 0.0001	0.000689 0.00074 0.858 0.007 0.673 0.00001 1.68 0.00083 0.0001 0.000836 0.000836 0.000836 0.000836 0.000836 0.000836	30 30 30 18 18 18 18 18 18 18 18 18 18	0.000654 0.00071 0.762 0.00100 0.54022 0.00001 1.774 0.00793 0.00010 0.00010 0.00001 0.00100 0.0010444 0.00264 0.00010 0.00010	0.000159 0.00017 0.232 0.000000 0.100000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000	30 30 30 18 18 18 18 18 18 18 18 18 18	100% 100% 100% 100% 100% 100% 100% 100%
Nobel Prosphose Prosphose Posterior Selemen Silver Silver South Store South Trailum Trailum Usraum Usraum Usraum Anners Authory Anners Authory Anners Beylum	mgi. mgi. mgi. mgi. mgi. mgi. mgi. mgi.	0.005 0.005 0.005 0.001 0.0001 0.001	2.0 0.00050 0.00050 0.00050 2.0 0.0010 0.00010 2.0 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010	0.00005 0.0005 0.0005 0.0005 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001	0.00004 0.00000 0.470 0.470 0.42500 0.42500 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007	0.000543 0.0007 0.727 0.001 0.608 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001	0.000646 0.00068 0.823 0.823 0.685 0.0007 0.77 0.77 0.0001 0.0001 0.0001 0.0001	0.00045 0.00040 0.604 0.604 0.65300 0.55300 0.00027 0.00027 0.00027 0.000400 0.00100 0.00100 0.00100 0.00100 0.00100	0.000633 0.00076 0.737 0.0071 0.0071 0.00071 0.00073 0.00073 0.0007 0.000607 0.000607 0.0001 0.001200 0.00017	0.000689 0.00074 0.858 0.0073 0.00071 1.68 0.00083 0.00083 0.00083 0.0001 0.000830 0.0001 0.000830 0.0001 0.000830	30 30 30 18 18 18 18 18 18 18 18 18 18	0.000594 0.00071 0.792 0.792 0.00001 1.774 0.00001 1.774 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010	0.000159 0.00017 0.232 0.00000 0.13962 0.00000 0.00000 0.00000 0.00000 0.000000	30 30 30 18 18 18 18 18 18 18 18 18 18	100% 100% 100% 100% 100% 100% 100% 100%
Proptosa Proptosa Proptosa Polassam Selema Selema Selema Solum Solum Solum Tratum In Tratum Unrum Unrum Variation Adminum Benytum Benytum Benytum	mgi. Ingm. Ing	0.005 0.005 0.005 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001	0.00050 0.0005	0.00005 0.0005 0.005 0.005 0.005 0.005 0.005 0.005 0.0001 0.005 0.0001 0.005 0.0001 0.005 0.0001 0.0001 0.0001 0.0001 0.0005	0.00004 0.0000 0.470 0.420 0.4	0.00543 0.0007 0.227 0.001 0.008 0.0007 0.008 0.0007 0.000	0.00548 0.0051 0	0.00046 0.00040	0.000533 0.00076 0.737 0.0071 0.031 0.00076 0.00077 0.	0.000890 0.00074 0.000891 0.00081 0.00	30 30 18 18 18 18 19 18 18 18 18 18 19 19 30 30 30 30 30 30 30 30 30 30 30 30 30	0.00694 0.00671 0.00671 0.00671 0.00670 0.00670 0.00670 0.00671 0.00671 0.00673 0.00673 0.00673 0.00673 0.00673 0.00673 0.006744 0.00673 0.006	0.000199 0.000197 0.000197 0.00000 0.10000 0.10000 0.00000	30 30 18 18 18 18 18 18 18 18 18 18	100% 100% 100% 100% 100% 100% 100% 100%
Noted Prosphosa Prosphosa Saleman Saleman Saleman Saleman Saleman Saleman Saleman Saleman Traillar Tra	Дери — Дери	0.005 0.005	29 0.0050	0.00005 0.0005 0.0005 0.005 0.005 0.005 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001	0.00004 0.00000 0.470 0.470 0.42500 0.42500 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007	0.000543 0.0007 0.727 0.001 0.008 0.00001 0.0007 0.007 0.0001 0.0001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001	0.000646 0.00068 0.823 0.823 0.0007 0.0007 0.77 0.008 0.0007 0.0007 0.0007 0.0007 0.0007 0.0007 0.0007	0.00045 0.00040 0.604 0.604 0.65300 0.55300 0.00027 0.00027 0.00027 0.000400 0.00100 0.00100 0.00100 0.00100 0.00100	0.000533 0.00076 0.797 0.0071	0.000893 0.00074 0.00074 0.00074 0.00074 0.00074 0.00074 0.00075 0.000075 0.00075 0.00075 0.00075 0.00075 0.00075 0.00075 0.00075 0.00	30 30 18 18 18 18 18 18 18 18 18 18 18 19 30 30 30 30 30 30	0.000504 0.00071 0.792 0.792 0.00010 0.04028 0.00001 1.774 0.00790 0.00010	0.000199 0.000197 0.000197 0.00000 0.13662 0.00000 0.000000 0.000000 0.000000 0.000000	30 30 18 18 18 18 18 18 18 18 18 18 18 18 18	100% 100% 100% 100% 100% 100% 100% 100%
Proptosa Proptosa Proptosa Polassam Selema Selema Selema Solum Solum Solum Tratum In Tratum Unrum Unrum Variation Adminum Benytum Benytum Benytum	mgi. Ingm. Ing	0.005 0.005 0.005 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001	0.00050 0.0005	0.00005 0.0005 0.005 0.005 0.005 0.005 0.005 0.005 0.0001 0.005 0.0001 0.005 0.0001 0.005 0.0001 0.0001 0.0001 0.0001 0.0005	0.00004 0.0000 0.470 0.420 0.4	0.00543 0.0007 0.227 0.001 0.008 0.0007 0.008 0.0007 0.000	0.000648 0.0007 0.00007 0.00007 0.0007 0.0007 0.0007 0.00007 0.0007 0.0007 0.0007 0.00	0.00046 0.00040	0.000513 0.00076 0.727 0.0071 0.0071 0.0071 0.0071 0.00076 0.00071 0.00076 0.0	0.000810 0.00074 0.00074 0.00074 0.00074 0.00071	30 30 18 18 18 18 19 18 18 18 18 18 19 19 30 30 30 30 30 30 30 30 30 30 30 30 30	0.00694 0.00671 0.00671 0.00671 0.00670 0.00670 0.00670 0.00671 0.00671 0.00673 0.00673 0.00673 0.00673 0.00673 0.00673 0.006744 0.00673 0.006	0.000199 0.000197 0.000197 0.00000 0.10000 0.10000 0.00000	30 30 18 18 18 18 18 18 18 18 18 18	100% 100% 100% 100% 100% 100% 100% 100%
Noted Prosphosa Prosphosa Selection Selection Selection Selection Solice Solice Solice Trailing	mak	0.000	0.00010 0.0001	0.00005 0.0005 0.0005 0.005 0.005 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001	0.00014 0.0000 0.4700 0.42000 0.42000 0.42000 0.42000 0.00017 0.00019 0.00019 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.0000010 0.0000100000000	0.000543 0.0007 0.727 0.001 0.0008 0.0001	0.00045 0.00010 0.0001	0.0046 0.0050	0.000533 0.00076 0.737 0.0071 0.001 0.001 0.00076 0.00076 0.00076 0.00077 0.00	0.00089 0.00074 0.00074 0.00074 0.00074 0.00074 0.00074 0.00075 0.00074 0.0007	30 30 18 18 18 18 18 18 18 18 18 18	0.000514 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00000 0.000000 0.000000 0.000000 0.000000	0.00019 0.00017 0.222 0.00000 0.1962 0.000000	350 350 18 18 18 18 18 18 18 18 18 19 19 19 19 19 19 19 19 19 19	100% 100% 100% 100% 100% 100% 100% 100%
Nobel Prosphose Prosphose Secretar Secretar Secretar Solum Solum Solum Solum Solum To Tan Transve Unandon Zec Solum Administration Administration Basin Castal Coronsum Castal Coronsum	max max max max max max max max	0.005 0.005 0.005 0.001	0.00090 0.000900 0.00090	0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005	0.00004 0.00007 0.4700	0.000543 0.0007 0.727 0.007 0.0008 0.0007 0.0001	0.000645 0.00068 0.0007 0.0008 0.0007 0.0006 0.0007 0.0006 0.0007 0.0007 0.0006 0.0007	0.00046 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.000007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007	0.000533 0.00076 0.737 0.0071 0.0071 0.0071 0.0071 0.00077 0.00077 0.00077 0.00077 0.00077 0.00077 0.00077 0.00077 0.00077 0.00077 0.00077 0.00077 0.00077 0.00077 0.00077 0.00077 0.00077 0.00007	0.000819 0.00071 0.000	30 30 18 18 18 18 18 18 18 18 18 19 30 30 30 30 30 30 30 30 30 30 30 30 30	0.000614 0.00010 0.00011 0.00010	0.00019 0.00017 0.232 0.00017 0.232 0.00000 0.19000 0.190000 0.00000 0.000000 0.000000 0.000000 0.000000	30 30 18 18 18 18 18 18 18 18 18 19 30 30 30 30 30 30 30 30 30 30 30 30 30	100% 100% 100% 100% 100% 100% 100% 100%
Noted Prosphosa Prosphosa Selection Selection Selection Selection Solice Solice Solice Trailing	mak	0.000	0.00010 0.0001	0.00005 0.0005 0.0005 0.005 0.005 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001	0.00004 0.00007 0.4700	0.000543 0.0007 0.727 0.007 0.0008 0.0007 0.0001	0.00045 0.00010 0.0001	0.00046 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.000007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007 0.00007	0.000533 0.00076 0.737 0.0071 0.0071 0.0071 0.0071 0.00077 0.00077 0.00077 0.00077 0.00077 0.00077 0.00077 0.00077 0.00077 0.00077 0.00077 0.00077 0.00077 0.00077 0.00077 0.00077 0.00077 0.00007	0.000819 0.00071 0.000	30 30 18 18 18 18 18 18 18 18 18 18	0.000514 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00000 0.000000 0.000000 0.000000 0.000000	0.00019 0.00017 0.222 0.00000 0.1962 0.000000	350 350 18 18 18 18 18 18 18 18 18 19 19 19 19 19 19 19 19 19 19	100% 100% 100% 100% 100% 100% 100% 100%
Nobel Prosphose Prosphose Secretar Secretar Secretar Social Social Social Treasure Treasure Variable Variable Accepted Basine Basine Basine Basine Basine Basine Basine Basine Codel Codel Codel Coder Lead Lea	1995. 1996. 1995. 1996.	0.000 0.000 0.000 0.001	0.000000 0.000000 0.000000 0.000000 0.000000	0.00005 0.00005 0.00005 0.0001	0.0001 0.0000 0.47	0.000543 0.0007 0.727 0.0007 0	0.00068 0.00068 0.0007 0.0008 0.0007 0.0008 0.0007	0.00045 0.00040 0.0004 0.0004 0.0004 0.0004 0.00007 0.0006 0.00007 0.000607	0.000633 0.00078 0.0077	0.000690 0.00074 0.0007	18 18 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	0.00001 0.00011 0.00011 0.00011 0.00011 0.00011 0.00011 0.00011 0.00010 0.00011 0.00010 0.00011 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00000000	0.00019 0.00017 0.00017 0.00017 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	30 30 30 18 18 18 19 19 19 19 19 19 19 30 30 30 30 30 30 30 30 30 30 30 30 30	100% 100% 100% 100% 100% 100% 100% 100%
Nobel Progetosa Progetosa Progetosa Sister S	1995 1995	0.000 0.000 0.000 0.001	. 0.00000	0.00005 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001	0.00014 0.00000 0.470 0.470 0.470 0.470 0.470 0.470 0.470 0.470 0.470 0.470 0.470 0.470 0.470 0.470 0.470 0.470 0.470 0.470 0.0000	0.00043 0.0007 0	0.00068 0.00068 0.0007	0.00045 0.00046 0.00046 0.00046 0.00047 0.0004	0.000630 0.00076 0.00076 0.00076 0.00076 0.00077 0.000	0.000080 0.00074 0.00080 0.00074 0.00074 0.00074 0.00074 0.00077 0.00076 0.00074 0.00076 0.00076 0.00077 0.00076 0.00077 0.000	30 30 18 18 18 19 19 19 19 19 19 19 19 19 19 30 30 30 30 30 30 30 30 30 30 30 30 30	0.00061 0.00071 0.00071 0.00071 0.00100 0.00017 1.774 0.00010 0.00017 0.00010	0.000190 0.000191 0.00019 0.000191 0.00000 0.000000 0.0000000 0.0000000 0.000000	30 30 30 18 18 18 18 18 18 18 19 19 19 19 30 30 30 30 30 30 30 30 30 30 30 30 30	100% 100% 100% 100% 100% 100% 100% 100%
Nobel Prosphose Prosphose Secretar Secretar Secretar Social Social Social Treasure Treasure Variable Variable Accepted Basine Basine Basine Basine Basine Basine Basine Basine Codel Codel Codel Coder Lead Lea	1995 1995	0.000 0.000 0.000 0.001	0.000000 0.000000 0.000000 0.000000 0.000000	0.00005 0.00005 0.00005 0.0001	0.0001 0.0000 0.47	0.000543 0.0007 0.727 0.0007 0	0.00068 0.00068 0.0007 0.0008 0.0007 0.0008 0.0007	0.00045 0.00040 0.0004 0.0004 0.0004 0.0004 0.00007 0.000607 0.000	0.000633 0.00078 0.0077	0.000690 0.00074 0.0007	18 18 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	0.00001 0.00011 0.00011 0.00011 0.00011 0.00011 0.00011 0.00011 0.00010 0.00011 0.00010 0.00011 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00000000	0.00019 0.00017 0.00017 0.00017 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	30 30 30 18 18 18 19 19 19 19 19 19 19 30 30 30 30 30 30 30 30 30 30 30 30 30	100% 100% 100% 100% 100% 100% 100% 100%
Nobel Prosphose Prosphose Silver Silver Sodium Soveram Soveram Trainin Trai	mak	0.000		0.00005 0.00005 0.00005 0.00001 0.00001 0.00001 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005	0.00001 0.00001 0.4790 0.4790 0.4790 0.4790 0.4790 0.4790 0.4790 0.4790 0.4790 0.4790 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.000000	0.000543 0.0007	0.00068	0.00048 0.00040 0.00040 0.00040 0.00007 0.00	0.000030 0.00078 0.000	0.000819 0.00074 0.00074 0.00074 0.00074 0.00071 0.00071 0.00077 0.00071 0.000	30 30 18 18 18 18 18 18 18 18 18 18 18 19 30 30 30 30 30 30 30 30 30 30 30 30 30	0.00001 0.0001 0.0001 0.0001 0.0001 1.774 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.000100 0.000100 0.000100 0.000100 0.000000 0.0000000 0.00000000	0.00019 0.00017 0.00017 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	30 30 30 30 30 30 30 30 30 30 30 30 30 3	100% 100% 100% 100% 100% 100% 100% 100%
Nobel Prosphous Prosphous Selection Selection Selection Selection Selection Selection Selection Selection Selection Trailing Advance Bismuch Bismuch Bismuch Bismuch Caldisting Caldi	mak	0.000 0.000		0.00005 0.00005 0.00005 0.00001	0.00001 0.00001	0.000513 0.00071	0.00048 0.0001	0.00048 0.00041	0.000013 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00000000	0.00089 0.0009 0.00099 0.00099 0.00099 0.00099 0.00099 0.00099 0.00099 0.00099 0.00099 0.00097 0.00097 0.00099 0.0009 0.0009 0	30 30 30 18 18 18 18 18 18 18 18 18 18 18 18 19 30 30 30 30 30 30 30 30 30 30 30 30 30	0.000614 0.00071 0.792 0.00071 0.00071 0.00071 1.774 0.00071	0.000190 0.000171 0.000171 0.00000 0.000000 0.0000000 0.000000000	30 30 30 30 30 30 30 30 30 30 30 30 30 3	100% 100% 100% 100% 100% 100% 100% 100%
Nobel Prosphose Prosphose Secretar Secretar Secretar Social Social Social Tollar Transac Transac Variable Variable Accrete Accrete Besultar	max max max max max max max max	0.000 0.000	0.000000 2.0 0.00000 2.0 0.00000 0.000000 0.000000 0.000000 0.000000	0.00005 0.00005 0.00001 0.0001	0.00001 0.00001 0.00001 0.00001 0.00001 0.0001 0.0001 0.0001 0.00010 0	0.000513 0.0007 0.727 0.007 0.0007 0.	0.000480 0.00010000000000000000000000000000000	0.00045 0.00040 0.0001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001	0.000530 0.000510 0.0	0.000689 0.00074 0.856 0.0073	18 18 18 18 18 18 18 18 18 18 18 18 18 1	0.000604 0.00071 0.792 0.792 0.00071 0.792 0.00071 0.0	0.000199	50 50 18 18 18 18 18 18 18 18 18 18 18 18 18	100% 100% 100% 100% 100% 100% 100% 100%
Nobel Prosphous Prosphous Selection Selection Selection Selection Selection Selection Selection Selection Selection Trailing Advance Bismuch Bismuch Bismuch Bismuch Caldisting Caldi	mak	0.000 0.000		0.00005 0.00005 0.00005 0.00001	0.00001 0.00001	0.000513 0.00071	0.00048 0.0001	0.00048 0.00041	0.000013 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00000000	0.00089 0.0009 0.00099 0.00099 0.00099 0.00099 0.00099 0.00099 0.00099 0.00099 0.00099 0.00097 0.00097 0.00099 0.0009 0.0009 0	30 30 30 18 18 18 18 18 18 18 18 18 18 18 18 19 30 30 30 30 30 30 30 30 30 30 30 30 30	0.000614 0.00071 0.792 0.00071 0.00071 0.00071 1.774 0.00071	0.000190 0.000171 0.000171 0.00000 0.000000 0.0000000 0.000000000	30 30 30 30 30 30 30 30 30 30 30 30 30 3	100% 100% 100% 100% 100% 100% 100% 100%
Nobel Prosphose Prosphose Sidenum Tranum Tra	1995 1995	0.000 0.000		0.00005 0.00001 0.0001	0.0001 0.470	0.00013 0.00010 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.00000000	0.00048	0.00048 0.00049	0.000530 0.000510 0.0	0.000690 0.00074 0.00069 0.00074 0.00074 0.00074 0.00074 0.00077 0.000690 0.00074 0.00074 0.00074 0.00074 0.00074 0.00074 0.00077 0.00	18 18 18 18 18 18 18 18 18 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	0.000640 0.00071 0.792 0.00060 0.00071 1.774 0.00060 0.00071 1.774 0.00071 0.0	0.000190 0.000170 0.000170 0.000170 0.0000000000	50 50 50 50 50 50 50 50 50 50 50 50 50 5	100% 100% 100% 100% 100% 100% 100% 100%
Nobel Proportions Proportions Proportions Silver Silver Silver Sodium Stromm Transm Tr	1995 1995	0.000 0.0001		0.00005 0.00001 0.0001	0.0001 0.470	0.00010 0.0001	0.00048 0.0001	0.00048 0.00049 0.00049 0.0000	0.000530 0.000510 0.0	0.000690 0.00074 0.00069 0.00074 0.00074 0.00074 0.00074 0.00077 0.00076 0.00077 0.00076 0.00077 0.000	30 30 30 30 30 30 30 30 30 30 30 30 30 3	0.000610 0.00061	0.000190 0.000170 0.000170 0.000170 0.0000000000	50 50 50 50 50 50 50 50 50 50 50 50 50 5	100% 100% 100% 100% 100% 100% 100% 100%
Nobel Prosphose Prosphose Securia Securia Securia Securia Securia Securia Social Social Tolian Ton Transura Varedum Varedum Annex Securia Securia Ton Transura Varedum Annex Securia Secur	max max max max max max max max	0.000 0.000	0.000000 2.0 0.00000 2.0 0.00000 0.000000 0.000000 0.000000 0.000000	0.00005 0.00001 0.0001	6.476 6.476 7.00000 6.476 7.00000 7.00000 7.00000 7.00000 7.00000 7.00000 7.00000 7.00000 7.00000 7.00000 7.000000 7.00000 7.00000 7.00000 7.00000 7.00000 7.00000 7.000000 7.00000 7.00000 7.00000 7.00000 7.00000 7.00000 7.000000 7.00000 7.00000 7.00000 7.00000 7.00000 7.00000 7.000000 7.00000 7.00000 7.00000 7.00000 7.00000 7.00000 7.000000 7.00000 7.00000 7.00000 7.00000 7.00000 7.00000 7.000000 7.00000 7.00000 7.00000 7.00000 7.00000 7.00000 7.000000 7.00000 7.000000 7.000000 7.000000 7.000000 7.000000 7.0000000 7.00000000	0.000543 0.0007 0.727 0.007 0.0007 0.	0.000488 0.0001	0.00045 0.00040 0.00010 0.000010 0.00000010 0.0000100000000	0.00053 0.00051	0.000689 0.00074 0.856 0.0071 0.0073	30 30 18 18 18 18 18 18 18 18 18 18 18 18 18	0.000604 0.00071 0.792 0.792 0.00071 0.792 0.00071 0.0	0.000199 0.000190 0.000190 0.000190 0.00000 0.000000 0.0000000000	50 50 19 19 19 19 19 19 19 19 19 19 19 19 19	100% 100% 100% 100% 100% 100% 100% 100%
Node Prosphous Prosphous Silver Silver Silver Sodium Silver Sodium Train Tranum Tranum Variables Tis Tranum Variables Advance Silver Sodium Silver Sodium Train Tranum Variables Advance Silver Margarese Mercury Majordonu Margarese Mercury Majordonu Prosphous Prosphous Prosphous Silver Silver Silver Mercury Majordonu Prosphous Prosphous Prosphous Silver	max	0.000 0.0001		0.00005 0.00005 0.00005 0.00001 0.00001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.00001 0.00001 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005	0.0001 0.00001	0.000513 0.00071	0.00048 0.00089	0.00048 0.00041 0.00041 0.00040 0.00007 0.00007 0.00007	0.000030 0.00078 0.00078 0.00071 0.00071 0.00071 0.00071 0.00071 0.00071 0.00071 0.00071 0.00071 0.00071 0.00071 0.00071 0.00071 0.00071 0.00071 0.000071	0.000690 0.00074 0.00074 0.00074 0.00074 0.00071 0.00071 0.00077 0.00077 0.00077 0.00077 0.00077 0.00077 0.00077 0.00077 0.00077 0.00070 0.000	30 30 30 30 30 30 30 30 30 30 30 30 30 3		0.000191 0.000191 0.000191 0.000191 0.00000 0.0000000000	30 30 18 18 18 18 18 18 18 18 18 18 18 18 18	100% 100% 100% 100% 100% 100% 100% 100%
Nobel Prosphose Prosphose Silver Silver Silver Sodium Silver Sodium Tratum Tratum Tratum Vandum Jordan Adminum Adm	mak mak mak mak mak mak mak mak	0.000 0.000		0.00005 0.00005 0.00005 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.000001 0.000001 0.000001 0.000001 0.0000001 0.00000000	0.00001 0.00001	0.00010 0.00010	0.00048 0.0001	0.00048 0.00049 0.00007 0.0000	0.000010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.0000010 0.0000010 0.0000010 0.0000010 0.0000010 0.00000010	0.000690 0.00074 0.00074 0.00074 0.00074 0.00071 0.00071 0.00077 0.00077 0.00077 0.00077 0.00077 0.00077 0.00077 0.00077 0.00077 0.00077 0.000	30 30 30 30 30 30 30 30 30 30 30 30 30 3		0.000190 0.000170 0.000170 0.00000 0.0000000 0.0000000 0.00000000	30 30 18 18 18 18 18 18 18 18 18 18 18 18 18	100% 100% 100% 100% 100% 100% 100% 100%
Nobel Prosphose Prosphose Prosphose Silver Transm T	1995 1995	0.000 0.000		0.00005 0.00001 0.00001 0.00001	0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.00001	0.00011 0.00011 0.00000 0.000000	0.00048 0.0001	0.00048 0.00049 0.00069	0.000030 0.0	0.000089 0.00074 0.00089 0.00074 0.00074 0.00074 0.00074 0.00077 0.00074 0.00074 0.00074 0.00074 0.00074 0.00074 0.00074 0.00077 0.000	30 30 30 30 30 30 30 30 30 30 30 30 30 3		0.000190 0.000170 0.000170 0.000170 0.000000 0.0000000000	50 50 50 50 50 50 50 50 50 50 50 50 50 5	100% 100% 100% 100% 100% 100% 100% 100%





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Parameters	Units	Method Detection Limit	Method Detection Limit	Method Detection Limit	Method Detection Limit	Receiving Water Quality Guidelines	NSC Lake 1-S	NSC Lake 1-s	NSC Lake 1-B		ST3-S	Lake ST: ST3-S	ST3-D	ST3-D	Number of Samples	Mean	Standard Deviation	Number of Detects	Percentage	NSC Lake 2-S	NSC Lake 2-s	NSC Lake 2-B	NSC Lake 2-b	Number of Samples	Mean	Standard Deviation	Number of Detects	Percentage of Detects
in Situ Parameters		2006	2007	2008	2011	2011	Surface 29-Jul-08	Surface 02-Sep-08	Bottom 29-Jul-08	Bottom 02-Sep-08	29-Jul-11	27-Aug-11	29-Jul-11	27-Aug-11	Samples	Moati	Deviation	Detects	of Detects	Surface 29-Jul-08	Surface 01-Sep-08	Bottom 29-Jul-08	Bottom 01-Sep-08	Samples	Mean	Deviation	Detects	of Detects
Temperature Specific Conductance	*C mS/cm	-		-			10.32	0.25	10.32	6.61 0.25	12.82	10.03	0.318	10.02	8	9.95	2.34	8	100%	0.11	0.16	0.11	0.16	4	0.14	1.96	4	100%
Dissolved Oxygen	mgl	-				9.5	11.72	12.35	11.7	12.41					4	12.06	0.39	4	100%	11.96	13.85	11.9	13.84	4	12.89	1.11	4	100%
pH	-					6.5-9.0	7.94	7.06	8.03	7.45	8.30	8.11	8.31	8.11	8	7.91	0.44	8	100%	7.22	6.67	7.41	6.78	4	7.02	0.35	4	100%
Average Depth (m)	(m)	-																										
Measured Depth (m)	(m)			-																								
hickness -May Samples	m																											
ace - May Samples Only Depth - May Samples C	m			-																								
V Depth - May Samples C Water Depth	m m			-			5.2	5	5.2	5					4	5.1	0.1	4	100%	3.7	3	3.7	3	4	3.4	0.4	2	50%
Turbidity	NTU						1	4	1	4					4	3	2	4	100%	2	15	1	13	4	8	7	4	100%
Secchi Disk Depth General Parameters a	m nd Nutrients			-			4.5	3.5	4.5	3.5					4	4.0	0.6	4	100%	3.7	1.35	3.7	1.35	4	2.53	1.38	- 4	100%
pH Conductivity	μS/cm	-	-	1 6		6.5-9.0	7.99 213	7.93 228	7.99 213	7.92	7.4	7.31 294	7.32 285	7.27	8	7.64 255	0.34	8	100%	7.71	7.84 135	7.72	7.6	4	7.67	0.06	4	100%
Turbidity	NTU	0.1	0.1	0.1	0.1		0.8	1.2	0.7	1.1	0.5	0.9	0.5	0.5	8	0.8	0.3	8	100%	1.5	4.7	12	4.6	4	3.0	1.9	4	100%
Hardness	mg/L as CaCO ₃	1	0.5	0.5	0.5		76.1	84.7	76.3	84	97.1	97.1	95.3	98.9	8	88.7	9.6	8	100%	35.1	45.6	35.1	45.7	4	40.4	6.1	4	100%
TDS (COND - CALC)	mgL	5	5	5	,		138	148	138	148	185	191	185	190	8	165	24	8	100%	64	88	64	88	4	76	14	4	100%
al Suspended Solids (T Alkalinity	mgt as CaCO ₃	5	5	5	5		2.00	70	71	70	2 80	81	80	81	8	2.00	0.00	8	100%	2.00	39	33	39	4	2.50	0.58	4	100%
Bromide (Br')	mgL	0.05	0.05	0.05	0.25		025	025	0.25	0.25	0.25	0.25	0.25	0.25	8	0.25	0.00	8	100%	0.25	0.25	0.25	0.25	4	0.25	0.00	4	100%
Chloride (Cl1) Sulphate (SO ₁ ²)	mgt.	1	1 1	1	1	120	22	24 6	22	24 6	39	42	39 6	42	8	32 6	9	8	100%	8	13	8	13	4	11	3	4	100%
Ammonia (NH ₂ +NH ₄)	mg NL	0.02	0.02	0.02	0.02	0.021-231	0.06	0.05	0.04	0.03	0.03	0.03	0.05	0.02	8	0.04	0.01	8	100%	0.05	0.02	0.04	0.03	4	0.04	0.01	4	100%
Nitrite (NO ₂)	mg NL mg NL	0.005	0.002	0.005	0.100	0.06	0.01	0.005	0.01	0.005	0.005	0.005	0.005	0.005	8	0.005	0.000	8	100%	0.01	0.005	0.01	0.005	4	0.005	0.000	4	100%
Nitrate (NO ₂) NO ₂ +NO ₃	mg N/L mg N/L	0.1	0.10	0.1	0.1	13	0.10	0.1	0.10	0.1	0.10	0.10	0.10	0.10	8	0.10	0.00	8	100%	0.10	0.1	0.10	0.1	4	0.10	0.00	4	100%
Total Phosphorus	mgt	0.01	0.003	0.003	0.003		0.004	0.007	0.007	0.006	0.006	0.01	0.005	0.006	8	0.006	0.002	8	100%	0.008	0.012	0.006	0.012	4	0.010	0.003	4	100%
otal Organic Carbon (TO	mgL		0.5	0.5	0.5		5.0	5.1	4.9	5	5.3	4.9	5	4	8	4.9	0.4	8	100%	3.5	3.1	3.5	3.3	4	3.4	0.2	4	100%
Dissolved Organic Carbo stall Kjeldahl Nitrogen (TR	mgt.		0.5	0.5	0.5		4.4 0.37	4.7 0.25	0.30	4.6	4.9 0.31	2.5 0.28	4.6	1.4	8	3.9	1.3	8	100%	3.0	0.2	0.33	3 0.28	4	2.9 0.26	0.2	2	50%
Phenois	mgt	0.001	0.001	0.001	0.001	0.004	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	8	0.001	0.000	8	100%	0.001	0.001	0.001	0.001	4	0.001	0.000	4	100%
Total Metals and Non- Aluminium	Metals mg/L	0.005	0.0010	0.001	0.003	0.005-0.1	0.0076	0.0259	0.0084	0.0247	0.0061	0.0053	0.0052	0.0041	8	0.0105	0.0092	8	100%	0.0392	0.137	0.0438	0.206	4	0.1085	0.0802	4	100%
Antimony	mgl	-	0.00010	0.0001	0.0001		0.00010	0.0001	0.00010	0.0001	0.0001	0.0001	0.0001	0.0001	8	0.00010	0.00000	8	100%	0.00010	0.0001	0.00010	0.0001	4	0.00010	0.00000	4	100%
Arsenic Barlum	mgt.	0.001	0.00010	0.0001	0.0001	0.005	0.00502	0.00022	0.00016	0.00022	0.00024	0.00015	0.00023	0.00018	8	0.00019	0.00004	8	100%	0.00010	0.00013	0.00023	0.00012	4	0.00015	0.00008	4	100%
Beryllium	mgl	-	0.00050	0.0005	0.0005		0.00050	0.0005	0.00050	0.0005	0.0005	0.0005	0.0005	0.0005	8	0.00050	0.00000	8	100%	0.00050	0.0005	0.0005	0.0005	4	0.00050	0.00000	4	100%
Bismuth Boron	mgt mgt	0.01	0.00050	0.0005	0.0005	1.5	0.00050	0.0005	0.00050	0.0005	0.0005	0.0005	0.0005	0.0005	8	0.00050	0.00000	8	100%	0.00050	0.0005	0.00050	0.0005	4	0.00050	0.00000	4	100%
Cadmium	mgt	0.0001	0.000017	0.000017	0.00001	0.000029	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	8	0.00001	0.00000	8	100%	0.00001	0.00001	0.00001	0.00001	4	0.00001	0.00000	4	100%
Calcium	mgL	1	0.050	0.05	0.05	0.0047	23.3	25.7	23.4	25.8	29.7	29.5	29.1	30	8	27.1	2.8	8	100%	10.5	14.5	10	13.8	4	12.2	2.3	4	100%
Chromium	mgt.	0.001	0.00050	0.0005	0.0005	0.0047	0.00050	0.0005	0.00050	0.0005	0.0005	0.0005	0.0005	0.0005	8	0.00050	0.00000	8	100%	0.00050	0.0005	0.00050	0.0005	4	0.00050	0.00000	4	100%
Copper	mgt	0.001	0.00010	0.0001	0.0005	0.002	0.0004	0.00052	0.0004	0.00056	0.0005	0.0005	0.0005	0.0005	8	0.00049	0.00006	8	100%	0.00082	0.00133	0.00090	0.00163	4	0.00117	0.00038	4	100%
Iron Lead	mgt.	0.03	0.030	0.03	0.03	0.3	0.005	0.094	0.093	0.095	0.08	0.1	0.07	0.1	8	0.0005	0.010	8	100%	0.101	0.229	0.104	0.241	4	0.169	0.077	4	100%
Lithium	mgl		0.0050	0.005	0.005		0.00500	0.005	0.005	0.005	0.005	0.005	0.005	0.005	8	0.00500	0.00000	8	100%	0.00500	0.005	0.00500	0.005	4	0.00500	0.00000	4	100%
Magnesium Manganese	mgt.	0.01	0.10	0.1	0.1		4.3 0.00418	4.56 0.00289	4.33	4.59 0.003	5.54 0.00438	5.68 0.0056	5.47 0.00431	5.8 0.00546	8	5.03	0.64	8	100%	2.13	2.89 0.00373	2.05 0.00235	2.85 0.0046	4	2.48 0.00316	0.45	4	100%
Mercury	mgt	0.0001	0.000050	0.00001	0.00001	0.000026	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	8	0.00001	0.00000	8	100%	0.00001	0.00001	0.00001	0.00001	4	0.00001	0.00000	4	100%
Molybdenum Nickel	mgt mgt	0.005	0.000050	0.0005	0.00005	0.073	0.000209	0.000301	0.000201	0.000331	0.000222	0.000279	0.00023	0.000253	8	0.000253	0.000047	8	100%	0.000382	0.000982	0.000421	0.00104	4	0.000708	0.000353	4	100%
Phosphorus	mgc	0.000	0.0000	0.0005	0.003	0.065	0.00050	0.0005	0.00050	0.0005	0.0005	0.0005	0.0005	0.0005	-	0.0000	0.00000	-	100%	0.00050	0.0008	0.00050	0.0005		0.0000	0.0000		100%
Potassium	mgL	0.01	2.0	0.05	0.05		1.06	1.11	1.08	1.11	1.41	1.41	1.39	1.4	8	1.25	0.17	8	100%	0.588	0.828	0.636	0.937	4	0.747	0.164	4	100%
Selenium Silicon	mgL mgL	0.001	0.0010	0.001	0.001	0.001	0.803	1.02	0.00100	1.02	0.001	1.12	0.001	1.14	8	0.00100	0.00000	8	100%	0.00100	1.01	0.00100	0.001	4	0.00100	0.00000	4	100%
Silver	mgt	0.0001	0.000010	0.00001	0.000001	0.0001	0.00001	0.00001	0.00001	0.00001	0.000001	0.000001	0.000001	0.000001	8	0.00001	0.00000	8	100%	0.00001	0.00001	0.00001	0.00001	4	0.00001	0.00000	4	100%
Sodium Strontium	mgt.	0.05	0.00010	0.05	0.0012		11.8	12.2 0.0638	11.8	12.3	17.4	19.3	17.6	18.7	8	15.1	3.4 0.0103	8	100%	0.0264	7.74	5.59 0.0276	8.93 0.0347	4	6.82 0.0305	0.0041	4	100%
Thallium	mgt	-	0.00010		0.0001	0.0008	0.00010	0.0001	0.00010	0.0001	0.0001	0.0001	0.0001	0.0001	8	0.00010	0.00000	8	100%	0.00010	0.0001	0.00010	0.0001	4		0.00000	4	100%
Tin Titanium	mgt mgt	0.01	0.00010		0.0001		0.00010	0.0001	0.00010	0.0001	0.0001	0.0001	0.0001	0.0001			0.00000		100%	0.00010	0.0001	0.00010	0.0001	4	0.00010	0.00000	4	100%
Uranium	mgt		0.000010		0.00001	0.015	0.000233	0.000424	0.000228	0.000433	0.000301	0.000301	0.000301	0.000289			0.000077		100%	0.000267	0.000539	0.00028	0.000578			0.000165		100%
Vanadium	mgt	0.001		0.001	0.001	0.006	0.00100	0.001	0.00100	0.001	0.001	0.001	0.001	0.001			0.00000		100%	0.00100	0.001	0.00100	0.001	4	0.00100	0.00000	4	100%
Zinc Dissolved Metals and		1	0.0010			0.03	0.00100	0.001	J.00100	0.001	0.003	0.003	0.003	0.003						0.00100	0.001	u.00200	0.002					
Aluminium Antimony	mgt.	0.005	0.0010	0.001	0.003		0.00320	0.0039	0.00000	0.0033	0.0030	0.0030	0.0030	0.0030	8		0.00032	8	100%	0.01390	0.0149	0.01290	0.0158	4	0.01438	0.00125	4	100%
Arsenic	mgt	0.001	0.00010	0.0001	0.0001		0.00015	0.00021	0.00017	0.0002	0.00018	0.00018	0.00017	0.00018		0.00018		8	100%	0.00010	0.00011	0.00010	0.0001	4	0.00010	0.00001	4	100%
Barium Beryllium	mgt.		0.000050		0.00005		0.00496	0.00504	0.00492	0.00495	0.00488	0.00556	0.00493	0.00557			0.00029		100%	0.00259	0.00332	0.00255	0.00331	4		0.00043		100%
Bismuth	mgt	-	0.00050	0.0005	0.0005		0.00050	0.0005	0.00050	0.0005	0.0005	0.0005	0.0005	0.0005	8	0.00050	0.00000	8	100%	0.00050	0.0005	0.00050	0.0005	4	0.00050	0.00000	4	100%
Boron Cadmium	mgt.			0.01	0.01		0.01200	0.012	0.01300	0.012	0.015		0.013	0.018			0.00239			0.01000	0.01	0.01000	0.00			0.00	4	100%
Calcium	mgt		0.050	0.05	0.05		23.4	26.2	23.4	26	29.3	30.2	29.5	30.5	8	27.31	2.95	8	100%	10.8	13.9	10.6	13.9	4	12.25	1.91	4	100%
Chromium	mgt.				0.0005		0.00050	0.0005	0.00050	0.0006	0.0005	0.0005	0.0005	0.0005	8		0.00000		100%	0.00050	0.0005	0.00050	0.0005	4		0.00000		100%
Copper	mgt mgt			0.0001	0.0001		0.00010	0.0001	0.00010	0.0001	0.0001	0.0001	0.0001	0.0001						0.00074	0.0001	0.00010	0.0001			0.00000		100%
Iron	mgt	0.03	0.030	0.03	0.03		0.04400	0.047	0.04400	0.047	0.03	0.05	0.03	0.06	8	0.04400	0.01001	8	100%	0.04700	0.036	0.04600	0.037	4	0.04150	0.00580	4	100%
Lead Lithium	mgt mgt	0.001	0.000050		0.00005		0.00005	0.0005	0.00005	0.0005	0.0001	0.0001	0.0001	0.0001			0.00000			0.00005	0.00005	0.00005	0.00005	4		0.00000		100%
Magnesium	mgl		0.10	0.1	0.1		430	4.67	4.36	4.62	5.58	5.91	5.63	5.88	8	5.12	0.69	8	100%	2.13	2.65	2.13	2.67	4	2.40	0.31	4	100%
Manganese Mercury	mgt mgt	0.01	0.000050		0.00005		0.00138	0.0015	0.00138	0.00152	0.000562	0.000787	0.00056	0.00129			0.000415		100%	0.00045	0.000941	0.00034	0.000968			0.00033		100%
Molybdenum	mgt		0.000050	0.00005	0.00005		0.000231	0.000314	0.000212	0.000339	0.000185	0.000253	0.00019	0.000253	8	0.000247	0.000056	8	100%	0.000396	0.000985	0.000417	0.000969	4	0.000692	0.000330	4	100%
Nickel	mgt	0.005	0.00050	0.0005	0.0005		0.00050	0.0005	0.00050	0.0005	0.0005	0.0005	0.0005	0.0005	8	0.00060	0.00000	8	100%	0.00050	0.0008	0.00050	0.0008	4	0.00050	0.00000	4	100%
Phosphorus Potassium	mgl	0.01	2.0	0.05	0.05		1.09	1.12	1.11	1.1	1.25	1.44	1.25	1.45	8	1.23	0.15	8	100%	0.610	0.769	0.603	0.78	4	0.691	0.097	4	100%
Selenium	mgl	0.001	0.0010	0.001	0.001		0.00100	0.001	0.00100	0.001	0.001	0.001	0.001	0.001	8	0.00100	0.00000	8	100%	0.00100	0.001	0.00100	0.001	4	0.00100	0.00000	4	100%
Silicon Silver	mgt.	1	0.050	0.05	0.05		0.77400	0.979	0.78300	0.992	0.000001	1.12 0.000001	0.81	1.12 0.000001			0.14777			0.23100	0.487	0.23200	0.493			0.14927		100%
Sodium	mgt	0.05	2.0	0.05	0.0012		12.0	12.6	12.2	12.7	16.7	20.5	17.1	20.7	8	15.6	3.7	8	100%	5.44	7.86	5.30	7.89	4	6.62	1.45	4	100%
Strontium Thatium	mgt mgt	0.001	0.00010	0.0001	0.0001		0.06730	0.0597	0.08620	0.0819	0.0728	0.0899	0.0716	0.0902			0.01171		100%	0.02750	0.0334	0.02690	0.0335	4	0.03033	0.00362	4	100%
Thattum		0.01			0.0001		0.00010	0.0001	0.00010	0.0001	0.0001	0.0001	0.0001	0.0001	8	0.00010	0.00000	8	100%	0.00010	0.0001	0.00010	0.0001	4		0.00000	4	100%
Titanium	mgt	-	0.010		0.01		0.01000	0.01	0.01000	0.01	0.010	0.010	0.010	0.010			0.00000		100%	0.01000	0.01	0.01000	0.01	4		0.00000		100%
Uranium Vanadium	mgt.	0.001	0.000010		0.00001		0.000235	0.00044	0.000248	0.001	0.000254	0.000294	0.000248	0.000293			0.000084		100%	0.000275	0.000522	0.00028	0.00053	4	0.000402	0.000144	4	100%
Zinc	mgt	0.01	0.0010 ry Report Tablest Ft	0.001 bble 3.7_LakeState_Upde	0.003 aled sle[Steenaby Area I	akes		0.0012		0.001	0.003		0.003	0.003		0.00214	0.00096	8		0.00170		0.00140	0.001		0.00128	0.00034	4	100%





	1									Steensby Are	a Lakes					Print	Dec/21/11 16:38:30
Parameters	Units	Method Detection Limit	Method Detection Limit	Method Detection Limit	NSC Lake 3-R	NSC Lake 3-s	NSC Lake3-B	NSC Lake 3-b	ST24-S	Lake ST ST24-S	24 ST24-D	ST24-D	Number of	Mean	Standard	Number of	Percentage
in Situ Parameters		2008	2007	2008	Surface 04-Aug-08	Surface 02-Sep-08	Bottom 04-Aug-08	Bottom 02-Sep-08	29-Jul-11	27-Aug-11	29-Jul-11	27-Aug-11	Samples	Mean	Deviation	Detects	of Detects
Temperature	*c	-			15.08	7.25 0.25	12.34	7.12 0.25	12.31	9.26	12.3 0.438	9.24	8	10.61	2.83	8	100%
Specific Conductance Dissolved Oxygen	mS/cm mg/L				10.73	12.39	11.9	12.48	0.400	0.440	0.400	0.440	4	11.88	0.80	4	100%
рН	-	-			8.19	6.85	8.2	7.01	8.44	8.23	8.45	8.25	8	7.95	0.64	8	100%
Average Depth (m)	(m)																
Measured Depth (m)	(m)																
d Depth - May Samples C	m m			-													
ace - May Samples Only	m																
Depth - May Samples C	m																
Water Depth Turbidity	m NTU			-	4.2	3	4.2	3					4	4.1	0.1	2	100%
Secchi Disk Depth	m			-	3.5	2.35	3.5	2.35					4	2.93	0.66	4	100%
General Parameters at pH	nd Nutrients	-		- 1	7.75	7.67	7.80	7.65	7	7.02	7.04	7.04	8	7.37	0.37	8	100%
Conductivity	μSiom	5	5	5	216	229	215	220	390	434	391	435	8	317	103	8	100%
Turbidity Hardness	MTU mgl as CaCO ₃	0.1	0.1	0.1	57.0	2.3 63	0.8 56.4	2.3 62.5	0.6 96.4	103	93	102	8	1.2 79.2	21.1	8	100%
TDS (COND - CALC)	mg.L	5	5	5	140	149	140	149	254	282	254	283	8	206	67	8	100%
al Suspended Solids (T	mg/L		2	2	2	2	2	2	2	2	2	2	8	2	0	8	100%
Akainity	mgit as CaCO ₃	5	5	5	46	43	44	43	59	65	60	65	8	53	10	8	100%
Bromide (Br) Chloride (Cl)	mg/L mg/L	0.05	0.05	0.05	0.25 35	025 38	0.25	0.25 38	0.25 79	92	0.25 78	93	8	0.25	0.00	8	100%
Sulphate (SO ₆ ³)	mg.L	1	1	1	5	8	5	8	10	10	9	10	8	8	2	8	100%
Ammonia (NH ₂ +NH ₆)	mg NL mg NL	0.02	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.06	0.02	0.03	8	0.03	0.01	8	100%
Nitritis (NO ₂)	mg NL	0.1	0.10	0.1	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	8	0.10	0.00	8	100%
NO ₂ +NO ₃	mg NL	0.1	0.10	0.1	0.1	0.1	0.1	0.1	0.10	0.10	0.10	0.10	8	0.10	0.00	8	100%
Total Phosphorus	mg/L	0.01	0.003	0.003	0.009	0.008	0.008	0.009	0.009	0.009	0.011	0.008	8	0.009	0.001	8	100%
otal Organic Carbon (TO	mgt.		0.5	0.5	5.1	5 4.5	5.3	4.9	5.6	3.6	5.6	6 2.4	8	5.1	0.7	8	100%
tal Kjeldahl Nitrogen (TK	mgt.		0.05	0.1	0.40	0.24	0.24	0.22	0.17	0.29	0.11	0.27	8	0.24	0.09	8	100%
Phenois	mgt	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	8	0.001	0.000	8	100%
Total Metals and Non- Aluminium	Metals mg/L	0.005	0.0010	0.001		0.0685	0.013200	0.0672	0.013	0.016	0.0129	0.014	7	0.029257	0.026388	7	100%
Antimony Arsenic	mgt.	0.001	0.00010	0.0001		0.0001	0.000100	0.0001	0.0001	0.0001	0.0001	0.0001	7	0.000100	0.000000	7	100%
Berium	mg/L	0.01	0.000050	0.00005		0.00563	0.004230	0.00553	0.00757	0.00853	0.00756	0.00848	7	0.006790	0.001662	7	100%
Beryllium	mgL	-	0.00050	0.0005		0.0005	0.000500	0.0005	0.0005	0.0005	0.0005	0.0005	7	0.000500	0.000000	7	100%
Bismuth Boron	mg/L mg/L	0.01	0.00050	0.0005		0.0005	0.000500	0.0005	0.0005	0.0005	0.0005	0.0005	7	0.000500	0.000000	7	100%
Cadmium	mgL	0.0001	0.000017	0.000017		0.00001	0.000010	0.00001	0.00001	0.00001	0.00001	0.00001	7	0.000010	0.000000	7	100%
Calcium	mg/L	0.001	0.050	0.06		16.4	15.0	18.4	24.3	25.7	23.5	25.3	7	20.9	4.8	7	100%
Cobalt	mg/L mg/L	0.0002	0.00010	0.0001		0.0005	0.000500	0.0005	0.0005	0.0005	0.0005	0.0005	7	0.000100	0.000000	7	100%
Copper	mgL	0.001	0.00010	0.0001		0.00087	0.000690	0.00083	0.00068	0.0005	0.00051	0.00055	7	0.000661	0.000150	7	100%
Iron Lead	mg/L mg/L	0.03	0.030	0.03		0.154	0.10	0.15	0.08	0.11	0.08	0.11	7	0.11	0.03	7	100%
Lithium	mgL		0.0050	0.005		0.005	0.005000	0.005	0.005	0.005	0.005	0.005	7	0.005000	0.000000	7	100%
Magnesium	mgt	1	0.10	0.1		5.39	4.79	5.39	8.66	9.4	8.33	9.3	7	7.32	2.04	7	100%
Manganese Mercury	mg/L mg/L	0.01	0.000050	0.00005		0.00438	0.004990	0.00428	0.00524	0.00727	0.00525	0.0072	7	0.005513	0.001239	7	100%
Molybdenum	mgL	0.005	0.000050	0.00005		0.000257	0.000228	0.000258	0.00023	0.000279	0.000236	0.00029	7	0.000254	0.000024	7	100%
Nickel Phosphorus	mgt	0.005	0.00050	0.0005		0.0005	0.000500	0.0005	0.0005	0.0005	0.0005	0.0005	7	0.000500	0.000000	7	100%
Potessium	mg/L	0.01	2.0	0.05		1.02	1.00	0.997	1.75	1.99	1.69	2	7	1.492	0.469	7	100%
Selenium	mgt	0.001	0.0010	0.001		0.001	0.001000	0.001	0.002	0.001	0.002	0.001	7	0.001286	0.000488	7	100%
Silicon	mg/L mg/L	0.0001	0.050	0.006		0.949	0.419000	0.93	0.000001	0.36	0.000001	0.37	7	0.522571	0.287082	7	100%
Sodium	mgt	0.05	2.0	0.05		17.9	18.0	17.6	35.2	42.6	33.7	42.9	7	29.7	11.6	7	100%
Strontium	mgL mgL	0.001	0.00010	0.0001		0.0397	0.037400	0.0391	0.0655	0.0753	0.0644	0.0745	7	0.056557	0.017179	7	100%
Thatium	mg/L mg/L	0.01	0.00010	0.0001		0.0001	0.000100	0.0001	0.0001	0.0001	0.0001	0.0001	7	0.000100	0.000000	7	100%
Titanium	mg/L		0.010	0.01		0.01	0.010	0.01	0.01	0.01	0.01	0.01	7	0.010	0.000	7	100%
Uranium	mg/L mg/L	0.001	0.000010	0.0001		0.000234	0.000186	0.000227	0.000241	0.000235	0.000231	0.000235	7	0.000227	0.000019	7	100%
Zinc	mg/L	0.01	0.0010	0.001		0.0012	0.001000	0.001	0.003	0.003	0.003	0.003	7	0.002171	0.001036	7	100%
Dissolved Metals and Aluminium	Non-Metals mg/L	0.005	0.0010	0.001	0.00770	0.0092	0.000000	0.0089	0.0049	0.0058	0.0056	0.0059	8	0.006863	0.001595	8	100%
Antimony	mg/L	-	0.00010	0.0001	0.00010	0.0001	0.000100	0.0001	0.0001	0.0001	0.0001	0.0001	8	0.000100	0.000000	8	100%
Arsenic Barium	mgt. mgt.	0.001	0.00010	0.0001	0.00013	0.00022	0.000160	0.00021	0.0006	0.00017	0.0006	0.00017	8	0.000283	0.000198	8	100%
Beryllium	mg/L	-	0.00050	0.0005	0.00050	0.0005	0.000500	0.0006	0.0005	0.0005	0.0005	0.0005	8	0.000500	0.000000	8	100%
Bismuth Boron	mgit.	0.01	0.00050	0.0005	0.00050	0.0005	0.000500	0.0005	0.0005	0.0005	0.0005	0.0005	8	0.000500	0.000000	8	100%
Cadmium	mg L mg L	0.001	0.000017	0.00017	0.02000	0.00001	0.000010	0.00001	0.0001	0.00001	0.0001	0.00001	8	0.025750	0.000007	8	100%
Calcium	mg/L	1	0.050	0.05	14.7	16.4	14.5	18.2	23.9	25	24	25.2	8	20.0	4.9	8	100%
Chromium	mg/L mg/L	0.001	0.00050	0.0005	0.00050	0.0005	0.000500	0.0005	0.0005	0.0005	0.0005	0.0005	8	0.000500	0.000000	8	100%
Copper	mg/L	0.001	0.00010	0.0001	0.00070	0.00083	0.000570	0.00071	0.0005	0.0005	0.0005	0.0005	8	0.000601	0.000129	8	100%
Iron	mg/L	0.03	0.030	0.03	0.04400	0.055	0.046000	0.053	0.05	0.06	0.05	0.06	8	0.052250	0.005922	8	100%
Lead	mgt. mgt.	0.001	0.000050	0.0005	0.00006	0.0005	0.000000	0.0005	0.0005	0.0005	0.0005	0.005	8	0.000053	0.000005	8	100%
Magnesium	mgt	1	0.10	0.1	4.98	5.36	4.91	5.33	8.35	9.15	8.32	9.21	8	6.95	1.97	8	100%
Manganese Mercury	mgt. mgt.	0.01	0.000050	0.00005	0.000708	0.00209	0.001110	0.0021	0.00142	0.00386	0.00139	0.0038	8	0.002080	0.001187	8	100%
Molybdenum	mg L mg L	0.005	0.000050	0.00001	0.00001	0.00001	0.000010	0.00001	0.00001	0.00001	0.00001	0.00001	8	0.000010	0.000000	8	100%
Nickel	mg1.	0.005	0.00050	0.0005	0.00050	0.0005	0.000500	0.0005	0.0005	0.0005	0.0005	0.0005	8	0.000500	0.000000	8	100%
Phosphorus Potassium	mgt	0.01	2.0	0.05	0.992	1.01	0.972	1	1.54	1.9	1.53	1.92	8	1.358	0.415	8	100%
Selenium	mgt.	0.001	0.0010	0.001	0.00100	0.001	0.001000	0.001	0.001	0.001	0.001	0.001	8	0.001000	0.000000	8	100%
Silicon	mgt.	0.000	0.050	0.05	0.39600	0.744	0.410000	0.721	0.28	0.32	0.28	0.32	8	0.433875	0.190455	8	100%
Silver Sodium	mg/L mg/L	0.0001	2.0	0.00001	0.00001	18.2	16.9	0.00001	0.000001	0.000001	0.000001 34.7	0.000001	8	28.7	12.3	8	100%
Strontium	mg/L	0.001	0.00010	0.0001	0.03610	0.0401	0.034600	0.0405	0.0576	0.0753	0.0566	0.0761	8	0.052113	0.016927	8	100%
Thatium	mg/L mg/L	0.01	0.00010	0.0001	0.00010	0.0001	0.000100	0.0001	0.0001	0.0001	0.0001	0.0001	8	0.000100	0.000000	8	100%
Titanium	mgt.	-	0.010	0.01	0.01000	0.0001	0.010000	0.0001	0.001	0.0001	0.001	0.0001	8	0.010000	0.000000	8	100%
Unanium	mg/L		0.000010	0.00001	0.000182	0.000237	0.000188	0.000232	0.0002	0.000226	0.000199	0.000224	8	0.000211	0.000021	8	100%
Vanadium	mg.t.	0.001	0.0010	0.001	0.00100	0.001	0.001000	0.001	0.001	0.001	0.001	0.001	8	0.001000	0.000000	8	100%
Zinc	mg/L	0.01	0.0010	0.001	0.00100	0.001			0.003				8	0.002000	0.001069	8	





	I	Method	Method	Method						Steensby Are						Print D	lec/21/11 16:38:30
Parameters	Units	Detection Limit	Detection Limit	Detection Limit	NSL Lake4-S Surface	NSC Lake4-S Surface	NSL Lake4-B Bottom	NSC Lake4-B Bottom	ST28-S	ST28-S	ST28-D	ST28-D	Number of Samples	Mean	Standard Deviation	Number of Detects	Percentage of Detects
In Situ Parameters	- to	2006	2007	2008	04-Aug-08 16-27	08-Sep-08 4.53	04-Aug-08	08-Sep-08 4.53	29-Jul-11 12.83	27-Aug-11 9.60	29-Jul-11 12.73	27-Aug-11 9.60	Samples	10.14	Lieviation 4.07	Detects	of Detects
Temperature Specific Conductance	mS/om			-	0.09	0.11	0.09	0.11	0.162	0.165	0.162	0.165	8	0.13	0.03	8	100%
Dissolved Oxygen pH	mgt.	-		-	10.17	9.69	10.91	9.82 6.15	7.50	7.73	7.51	7.73	4 8	10.15	0.55	4 8	100%
Average Depth (m) Measured Depth (m)	(m) (m)	-															
i Depth - May Samples C	m			-													
hickness -May Samples to ace - May Samples Only	m																
Depth - May Samples O	m			-													
Water Depth Turbidity	m NTU			-	4.8	2.5	4.8	2.5					4	3.7	1.3	4	100%
Secchi Disk Depth	m				4	2.5	4	2.5					4	3.3	0.9	4	100%
General Parameters an	nd Nutrients	-		1	7.09	6.62	7.10	6.7	6.45	6.43	6.53	6.41	8	6.67	0.28	8	100%
Conductivity	μS/om	5	5	5	74	91	73	92	144	162	150	161	8	118	39	8	100%
Turbidity	MTU mg/L as CaCO ₃	0.1	0.1	0.1	17.2	1.7	16.7	1.7	0.6 30.7	35	0.7 30.7	1.1	8	1.0	0.5 8.0	8	100%
TDS (COND - CALC)	mgt	5	5	5	48	59	48	60	94	105	98	105	8	77	26	8	100%
al Suspended Solids (T	mgt		2	2	2	2	2	2	2	2	2	2	8	2	0	8	100%
Alkalinity Bromide (Br)	mgt as CaCO ₃	0.05	5 0.05	0.05	13 0.25	025	0.25	15 025	0.25	26 0.25	26 0.25	25 0.25	8	0.25	0.00	8	100%
Chloride (CI)	mg/L	1	1	1	12	15	12	15	28	32	27	33	8	22	9	8	100%
Sulphate (SO ₄ ²) Ammonia (NH ₅ +NH ₆)	mg/L mg N/L	0.02	0.02	0.02	0.02	5 0.06	0.04	5 0.05	0.03	5 0.04	0.03	5 0.02	8	5 0.04	0.01	6	75%
Nitrite (NO ₂)	mg NL	0.005	0.002	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	8	0.005	0.000	8	100%
Nitrate (NO ₂) NO ₂ +NO ₃	mg NL mg NL	0.1	0.10	0.1	0.1	0.1	0.1	0.1	0.10	0.10	0.10	0.10	8	0.10	0.00	8	100%
Total Phosphorus	mg/L	0.01	0.003	0.003	0.008	0.008	0.009	0.01	0.005	0.009	0.012	0.011	8	0.009	0.002	8	100%
otal Organic Carbon (TO)	mg&		0.5	0.5	3.7	3.8	3.6	3.8	4.2	4.5	4.4	4.6	8	4.1	0.4	8	100%
lissolved Organic Carbon dal Kjeldahl Nitrogen (TK	mgt.		0.5	0.5	2.8	3.3 0.41	0.22	3.2 0.25	3.6 0.19	3	3.6	2.7 0.22	8	3.1 0.23	0.3	7 8	88%
Phenois	mgt.	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	8	0.001	0.000	8	100%
Total Metals and Non-I Aluminium	Metals mg/L	0.005	0.0010	0.001	0.0205	0.0534	0.0172	0.0588	0.0129	0.0152	0.0132	0.0167	8	0.0260	0.0188	8	100%
Antimony	mgt.		0.00010	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	8	0.0001	0.0000	8	100%
Arsenic Berium	mgt.	0.001	0.00010	0.0001	0.0021	0.00346	0.0022	0.00349	0.00014	0.0001	0.00014	0.00011	8	0.0001	0.0000	8	100%
Beryllium	mg/L	-	0.00050	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	8	0.0005	0.0000	8	100%
Biamuth Boron	mgt.	0.01	0.00050	0.0005	0.0005	0.0005	0.0100	0.0008	0.0005	0.0005	0.005	0.0005	8	0.0005	0.0000	8	100%
Cadmium	mg/L	0.0001	0.000017	0.000017	0.0000	0.00001	0.0000	0.00001	0.00001	0.00001	0.00001	0.00001	8	0.00001	0.00000	8	100%
Calcium	mgt. mgt.	0.001	0.050	0.05	4.35 0.0005	4.95 0.0005	4.38 0.0005	0.0005	7.58 0.0005	8.63 0.0005	7.55 0.0005	0.0005	8	6.36 0.0005	0.0000	8	100%
Cobalt	mgt	0.0002	0.00010	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	8	0.0001	0.0000	8	100%
Copper	mg/L mg/L	0.001	0.00010	0.0001	0.00089	0.00088	0.0007	0.00103	0.00058	0.00063	0.00056	0.00065	8	0.00072	0.00016	8	100%
Lead	mg/L	0.001	0.000050	0.00005	0.0001	0.00008	0.0001	0.0001	0.00005	0.00005	0.00005	0.00005	8	0.00008	0.00002	8	100%
Lithium Magnesium	mgt.	1	0.0050	0.005	1.48	1.78	1.48	0.005	2.86	3.27	0.005 2.87	3.24	8	0.0050	0.0000	8	100%
Manganese	mgt	0.01	0.000050	0.00005	0.00252	0.00508	0.0031	0.00505	0.00526	0.00627	0.00545	0.00606	8	0.00485	0.00134	8	100%
Mercury Molybdenum	mgt. mgt.	0.0001	0.000050	0.00001	0.0000	0.0001	0.0000	0.000017	0.00001	0.00001	0.00001	0.00001	8	0.00001	0.00000	8	100%
Nickel	mgt	0.005	0.00050	0.0005	0.0005	0.0005	0.0005	0.0008	0.0005	0.0005	0.0005	0.0005	8	0.0005	0.0000	8	100%
Phosphorus Potassium	mg4.	0.01	2.0	0.06	0.537	0.667	0.522	0.64	0.916	1.02	0.916	1.02	8	0.780	0.211	8	100%
Selenium	mgt	0.001	0.0010	0.001	0.0010	0.001	0.0010	0.001	0.001	0.001	0.001	0.001	8	0.0010	0.0000	8	100%
Silicon	mgt.	0.0001	0.050	0.06	0.0980	0.279	0.0960	0.268	0.1	0.14	0.09	0.14	8	0.151	0.078	8	100%
Sodium	mgL	0.05	2.0	0.05	6.39	8.51	6.22	8.15	14.1	16.7	13.6	16.5	8	11.27	4.42	8	100%
Strontium	mgt. mgt.	0.001	0.00010	0.0001	0.0108	0.0127	0.0107	0.0129	0.0199	0.0225	0.0206	0.0228	8	0.0166	0.0053	8	100%
Tin	mgt.	0.01	0.00010	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	8	0.0001	0.0000	8	100%
Titanium	mgt.	-	0.010	0.01	0.0100	0.001	0.0100	0.01	0.01	0.01	0.01	0.01	8	0.0100	0.0000	8	100%
Uranium Vanadium	mgt. mgt.	0.001	0.000010	0.00001	0.001000	0.001	0.001000	0.00065	0.001	0.00048	0.001	0.00045	8	0.000051	0.000008	8	100%
Zinc	mgt.	0.01	0.0010	0.001	0.001000	0.001	0.001000	0.0012	0.003	0.003	0.003	0.003	8	0.002025	0.001044	8	100%
Dissolved Metals and I Aluminium	mg.L	0.005	0.0010	0.001	0.0121	0.0187	0.0110	0.0177	0.0058	0.0239	0.0054	0.0125	8	0.0134	0.0084	8	100%
Antimony	mgt.	0.001	0.00010	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	8	0.0001	0.0000	8	100%
Berlum	mgL	0.01	0.000050	0.00005	0.00219	0.00313	0.00219	0.00298	0.00353	0.00439	0.00342	0.00435	8	0.00327	0.00084	8	100%
Berytium Bismuth	mgt.		0.00050	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	8	0.0005	0.0000	8	100%
Baron	mgt.	0.01	0.010	0.01	0.010000	0.011	0.010000	0.011	0.014	0.016	0.014	0.017	8	0.012875	0.002748	8	100%
Catrium	mg/L mg/L	0.0001	0.000017	0.000017	0.000010	4.98	0.000010 4.31	0.00001 4.94	0.00001 7.74	0.00001 8.34	0.00001 7.7	0.00001 8.27	8	0.000010 6.34	1.82	8	100%
Chromium	mg/L	0.001	0.00050	0.0005	0.000500	0.0005	0.000500	0.0005	0.0005	0.0005	0.0005	0.0005	8	0.000500	0.000000	8	100%
Copper	mgt.	0.0002	0.00010	0.0001	0.000100	0.0001	0.000100	0.0001	0.0001	0.0001	0.0001	0.0001	8	0.000100		8	100%
Iron	mgL	0.03	0.030	0.03	0.085000	0.063	0.082000	0.061	0.08	0.23	0.08	0.23	8	0.108875	0.075146	8	100%
Lead Lithium	mgt. mgt.	0.001	0.000050	0.00005	0.000050	0.0005	0.000050	0.00005	0.00005	0.00005	0.00005	0.00005	8	0.000050	0.000000	8	100%
Magnesium	mgt	1	0.10	0.1	1.48	1.79	1.44	1.78	2.86	3.18	2.84	3.13	8	2.31	0.76	8	100%
Manganese Mercury	mgt.	0.01	0.000050	0.00005	0.001440	0.00178	0.001810	0.00176	0.00243	0.00544	0.00237	0.00535	8	0.002798	0.001636	8	100%
Molybdenum	mgt.	0.005	0.000050	0.00005	0.000083	0.00001	0.000010	0.000115	0.000078	0.000104	0.000085	0.000098	8	0.000096	0.000015	8	100%
Nickel Phosphorus	mgt.	0.005	0.00050	0.0005	0.000500	0.0005	0.000500	0.0005	0.0005	0.0005	0.0005	0.0005	8	0.000500	0.000000	8	100%
Prosphorus	mgiL	0.01	2.0	0.05	0.530	0.657	0.525	0.652	0.793	0.953	0.825	0.951	8	0.736	0.171	8	100%
Setenium	mgt.	0.001	0.0010	0.001	0.001000	0.001	0.001000	0.001	0.001	0.001	0.001	0.001	8	0.001000	0.000000	8	100%
Silicon	mgt.	0.0001	0.050	0.05	0.085000	0.198	0.052000	0.199	0.000001	0.000001	0.00	0.12	8	0.115500	0.057461	8	100%
Sodium	mg.t.	0.05	2.0	0.06	6.40	8.56	6.33	8.62	13.2	16.7	13.4	16.8	8	11.25	4.32	8	100%
Strontium Thatlium	mgt.	0.001	0.00010	0.0001	0.010700	0.0129	0.010700	0.0127	0.018	0.0211	0.0182	0.0208	8	0.015638	0.004367	8	100%
Tin	mgL	0.01	0.00010	0.0001	0.000100	0.0001	0.000100	0.0001	0.0001	0.0001	0.0001	0.0001	8	0.000100	0.000000	8	100%
Titanium	mgt.		0.010	0.01	0.010000	0.00061	0.010000	0.01	0.001	0.00043	0.001	0.00043	8	0.010000	0.000000	8	100%
Vanadium	mg/L	0.001	0.0010	0.001	0.001000	0.001	0.001000	0.001	0.001	0.001	0.001	0.001	8	0.001000	0.000000	8	100%
Zinc 111020018130A/ReportR	mg/L	0.01	0.0010	0.001 ble 3.7_LakeStabi_Upda	0.002000	0.0011	0.001000	0.001	0.003	0.003	0.003	0.003	8	0.002138	0.000975	8	100%





			Method	Method	Method					Steensby Are	a Lakes				Print I	Dec/21/11 13:41:57
	Parameters	Units	Detection Limit	Detection	Detection Limit			ST92-S	ST92-S	Lake ST ST92-D	92 ST92-D	Number of	Maria	Standard	Number of	Percentage
	la Pita Barametan		2006	2007	2008	Surface 30-Jul-08	Surface 03-Sep-08	28-Jul-11	27-Aug-11	28-Jul-11	27-Aug-11	Samples	Mean	Deviation	Detects	of Detects
	Temperature				-						i e				6	l
			-		-			0.104	0.103	0.104	0.103				6	
		- ingit				11.02		7.06	7.31	7.15	7.26				5	
Control			-		-											
Mathematical mat	Measured Depth (m)															
	hickness -May Samples															
	ace - May Samples Only	m			-											
1000	Depth - May Samples C				-	0.5						-	0.7	0.2		96%
	Turbidity				-		0.8					1	5	0.2		
	Secchi Disk Depth				-											
	General Parameters as pH	nd Nutrients			1	7.16	6.91	6.28	6.24	6.28	6.23	6	6.52	0.41	6	100%
Permanental Perm	Conductivity	µS/cm	5	5	5							6	88	15	6	100%
			0.1												6	
Mathematical part	Hardness	mg/L as CaCO ₃	1	0.5	0.5	12.5	14.4	17.5	18.7	17.2	18.4	6	16.5	2.5	6	100%
			5	5	5	40		60	66	60	66	6			6	
	al Suspended Solids (T		5	5	5	12	2 9	10	12	10	12			1	6	
	Bromide (Br')	mg/L	0.05	0.05	0.05		0.25	0.25	0.25	0.25	0.25			0.00	6	
Part			1	1	1	13	12	19	20			6		4	6	
	auprice (e.e.)		1 0.02	1 0.02	1 0.02		4	5	5					1 0.01	5 R	
							0.005	0.005	0.005						6	
Part				0.10	0.1		0.1	0.10	0.10				0.10	0.00	6	100%
	NO ₂ +NO ₃						0.1		0.10			6			6	
Part	Total Phosphorus	mg/L	0.01	0.003	0.003	0.006	0.007	0.003	0.003	0.003	0.003	6	0.004	0.002	6	100%
Column															6	
Part							2.3								6	
	Phenois		0.001			0.001	0.001	0.001	0.001	0.001	0.001				6	
	Total Metals and Non-	Metals						0.004-	0.044-	0.004=	0.045					
Mathematical	Attimony		0.005			0.041280	0.121	0.0001	0.0119	0.0247	0.0001	6			6	
March	Americ		0.001			0.000100	0.0001	0.0001	0.0001	0.00011	0.0001				6	
		mg/L	0.01			0.002600	0.00366	0.00294	0.00274	0.00295	0.00259			0.000398	6	
Column			-			0.000500	0.0005	0.0005	0.0005	0.0005	0.0005				6	
Column	Bismuth Boron		0.01			0.000500	0.0005	0.0005	0.0005	0.0005	0.0005				6	
Control	Cadmium					0.000010	0.00001	0.00001	0.00001	0.00001	0.00001				6	
Control	Calcium	mg/L				2.64	3.11	3.49	3.73	3.44	3.66	6			6	
Control	Chromium					0.000500	0.0005	0.0005	0.0005	0.0005		6			6	
March						0.001010									6	
March Marc	Iron	mg/L	0.03	0.030	0.03	0.091000	0.184		0.03		0.03	6	0.084167	0.054358	6	100%
Marche			0.001			0.000050			0.00005							
March Marc						0.005000			0.005	l						
Note																
Part						0.000010	0.00001	0.00001	0.00001	0.00001	0.00001					
Properties	Molybdenum									0.000083					6	
Property Property 1921 1921 1921 1921 1922	Nickel Phosphorus	mg/L	0.005	0.00050	0.0005	0.000500	0.0005	0.0005	0.0005	0.0005	0.0005	6	0.000500	0.000000	6	100%
State	Potassium	mg/L	0.01	2.0	0.05	0.443	0.512	0.657	0.649	0.658	0.637	6	0.593	0.092	6	100%
Bear		mg/L	0.001			0.001000	0.001	0.001	0.001	0.001	0.001					
Banker						0.339000										
Section Personal Care	Sodium					5.95									6	
The color	Strontium									ı			l		6	
Table Tabl	Thallum					0.000100	0.0001	0.0001	0.0001	0.0001	0.0001	6	l		6	
No. No. No.			0.01			0.000100	0.0001	0.0001	0.0001	0.0001	0.0001					
Variable mgA 0.001			Ė			0.000070		0.00006	0.000055	0.000062	0.00005		l	l		1
						0.001000	0.001	0.001	0.001	0.001	0.001					
American			0.01	0.0010	0.001	0.001000	0.0022	0.003	0.003	0.003	0.003	6	0.002533	0.000816	6	100%
Market Mary Market Mar			0.005	0.0010	0.001	0.01070	0.0203	0.0058	0.0071	0.0056	0.0063	6		0.00571	6	
Berlam			-			0.0001	0.0001	0.0001	0.0001	0.0001						
Berylam						0.0001	0.0001									
Berne mgs	1		-				0.0005			0.0005						
Canada			_													
Cases Page Case																
Concerns										ı			l			1
Copyright Copy																
No. mg.L 0.03 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.00000 0.0000000 0.000000 0.0000000 0.000000 0.000000 0.000000 0.00																
Least													l			
Entern mgA																
Management mgl.	Lithium	mg/L		0.0050	0.005	0.00500	0.005	0.005	0.005	0.005	0.005	6	0.005000	0.000000	6	100%
Mariery mgA 0.0000 0.00007																
Marie Mari	1		0.01	l	ı					l						
Note mg/L 0.005 0.0005			0.005		i e					ı						
Prince P		mg/L	0.005	0.00050	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	6	0.0005	0.0000	6	100%
		med	0.01	20	0.05	0.420	0.45#	0.575	0.617	0.577	0.627	6	0.444	0.086	R	100%
Solution mg/L 0.00 2.0 0.00 5.78 0.20 9.47 11.2 0.78 11.3 0 0.57 2.40 0 10000																
Storigan mg/L 0.001 0.0001 0.0001 0.00002 0.00000 0.0112 0.012 0.0101 0.0000 0.0000 0.0000 0.0001 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.000000 0.000000 0.000000 0.000000 0.0000000 0.000000 0.000000 0.000000 0.000000 0						0.00005	0.00001	0.000001	0.000001	0.000001	0.000001					
Thefair mgt - 60010 00001 00001 00001 00001 00001 00001 00001 00001 00001 00001 00000 0 10000 00000 0 10000 00000 0 10000 00000 0 10000 00000 0 10000 00000 0 10000 0																
Tr			2001				0.0001									
Userwish mgs. 0.00010 0.00001 0.00009 0.000010 0.00009 0.000011 0.00009 0.000010 0.00009 0.000010 0.00009 0.000010 0.000010 0.			0.01	0.00010	0.0001	0.00010	0.0001	0.0001	0.0001	0.0001			0.00010	0.00000		100%
Vandum mgt. 0.001 0.0010 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.0000 6 100%			-			0.01000	0.01			0.01	0.01					
			0.00*		i e											
		mg/L mg/L				0.00100	0.001						0.00100			100%



Part		_	_									Steensb	y Area Lakes							Print I	Dec/21/11 16:38:30
	Parameters	Units	Method Detection Limit	Method Detection Limit	Method Detection Limit	3 KM Lake-S	3 KM Lake-S	3 KM Lake-D	3 KM Lake-D	NSL Lake7-S		NSL Lake7-B	Number of		Standard	Number of	Percentage of	NSL Lake8-S		Number of	
Mathematical Property state			2006	2007	l	29-Jul-11				Surface 04-Aug-08		Bottom 04-Aug-08	Samples	Mean	Deviation	Detects	Detects	Surface 04-Aug-08	Surface 03-Sep-08	Samples	Mean
	Temperature		-		-																1
			-		-	0.113	0.107		0.107												
		-	-		-	7.24	7.12		7.13				6			6					
Part					-																
Part	el Depth - May Samples C	m			-																
Section Performance Perf					-																
					-																
Part					-					26.4				17.9	14.7	3		0.3	0.3		0.3
					-					5.4	10			5.4	0.0	2		1	7		-
	General Parameters as	nd Nutrients			1 1	6.34	6.27	6.33	6.28	7.18	6.74	7.11	7	8.61	0.40	7	100%	6.91	6.87	2	6.89
		μS/cm	5	5	5	102							7			7					37
																7					1
			- 5									49							29		
	Alkalinity	mg/L as CaCO ₃	5	5	5	14	14	13	15	10	14	11	7	13	2	7	l	12	9	2	11
Section Permanenee																					
																	l				
					i e		0			0.02			7			7					
		l											7			7					
Part				0.10	0.1	0		0			0.1		7		0.03	7	100%	0.1	0.1		0.1
Part	Total Phosphorus	mg/L	0.01	0.003	0.003	0.007	0	0.006	0	0.004	0.011	0.003	7	0.005	0.003	7	100%	0.008	0.010	2	0.008
Part	otal Organic Carbon (TO												7			7					
Part	Dissolved Organic Carbo											ı			l		l			l	
Mathematical Region	Phenois Phenois		0.001			0	0	0					7	l .		7					
1. 1. 1. 1. 1. 1. 1. 1.	Total Metals and Non- Aluminium		0.005	0.0010	0.001	0.0163	0.0109	0.0174	0.0153	0.017500	0.101	0.014300	7	0.027529	0.032476	7	100%	0.0504	0.244	2	0.1472
140 150		mg/L	-	0.00010	0.0001	0	0	0	0	0.000100	0.0001	0.000100		0.000100	0.000000		100%	0.0001	0.0001	2	0.0001
						0.00294	0.00277		0.00278	0.000100			7			7	l				
						0.00239		0.00304		0.002500											
140 150		mg/L	-							0.000500						7			0.0005		
14										0.010000			7			7			0.00001		
Section Sect													7			7					
		l	I		ı								7			7					
													7			7					
Mathematical Region					0.03					0.030000		0.030000	7			7	100%				0.5380
Mathematical North Property of the color o			0.001			0	0	0	0	0.000050	0.00011	0.000050	7			7		0.0001	0.00021		
Mathematical Description Mathematical Descri			1			2.39	2.41	2.43	2.43	1.88	1.94	1.80	7			7		1.09	1.56		
Part		mg/L				0.00286	0.00159	0.00271	0.0018	0.001170	0.00243	0.001240	7	0.001971	0.000895	7			0.00344		
Mathematical Region					ı	0.000111	0.000108	0.000114	0.000113	0.000010	0.00001	0.000010	7			7			0.00001		
Marche		mg/L	0.005	0.00050	0.0005	0	0	0	0.00076	0.000500	0.00053	0.000500	7	0.000541	0.000097	7	100%	0.0005	0.0005	2	0.0005
March		mal .	0.01	20	0.05	0.000	0.074	0.704	0.007			0.530	2	0.049	0.066	,	100%	0.014			0.499
Mathematical Region	Selenium					0.683	0.6/1	0.701	0.667	0.001000	0.613	0.001000	7			7			0.001		
Mathematical Region						0.2	0.15	0.2		0.221000	0.386		7			7			1.2300		
March Marc						9.99	10.4	10.1		0.000010 7.84	8.32		7			7			0.00001 2.76		
Section Sect													7			7	l				
March Marc			-			0	0	0	0	0.0001		0.0001	7			7				2	
March Marc			- 0.01			0	0	0													
Marie Mari	Uranium	mg/L		0.000010	0.00001	0.000072	0.00006	0.000076	0.000063				7	0.000089	0.000012	7	100%		0.000762	2	0.000716
Company Comp						0	0	0	0				7			7					
March Marc	Dissolved Metals and	Non-Metals						0.004					F								1
March Carlon Ca			0.005			0	0	0.004	0												
Page	Americ			0.00010	0.0001								7	0.0001	0.0000	7	100%			2	0.0001
Manufact			0.01		i e	0.00244	0.00261	0.00243					7			7					i i
Cases	Bismuth	mg/L	-	0.00050	0.0005				0	0.0005	0.0005	0.0005		0.0005	0.0000		100%	0.0005	0.0005	2	0.0005
Centrum engl. 1 000 050 420 420 425 425 426 346 346 346 320 17 320 0504 0500 7 1054 227 220 220 220 220 220 220 220 220 220		l																			
Concessor May Concessor																				l	
Copyright Copy	Chromium	mg/L		0.00050	0.0005		0	0	0	0.0005	0.0005	0.0005	7	0.0005	0.0000	7	100%	0.0005	0.0005	2	0.0005
Mary						0.0009	0.00069	0.00083		0.0001	0.0001	0.0001	7			7		0.0001	0.0001		
Librar Fig. Control						0	0	0	0	0.03	0.03	0.03				7					
Marganester	L		0.001			0	0	0	0	0.00005	0.00005	0.00005	7			7		0.000050	0.00008		
Marrier Marr				0.0050		2.37	2.41	2.36	2.42	0.005	1.89	0.005	7			7		0.005	0.005		
March Marc	Lithium	mg/L	- 1	0.10	0.1								7	0.000858	0.000127	7				2	0.0015
Name	Lithium Magnesium Marganese	mg/L		0.000050	0.00005	0.000891	0.000981	0.000866				0.00001	7	0.000010							0.000011
Principles Princ	Lithium Magnesium Marganese Mercury	mg/L mg/L mg/L	0.01	0.000050	0.00005	0	0	0	0 000477	0.000010	0.00001	0.4040	9	0.000000		7		0.000011	0.00001		
Seesan mgA 0.001 0.0010 0.001 0.00	Lithium Magnesium Marganese Mercury Molybdenum	mgit mgit mgit mgit mgit	0.01	0.000050	0.00005 0.00001 0.00005	0	0	0	0.000103						0.000020		100%	0.000011		2	0.000251
Second mgA Conference C	Lithium Magnesium Marganise Marcury Molybdenum Nickel Phosphorus	mpt. mpt. mpt. mpt. mpt. mpt.	0.01	0.00050 0.00050 0.00050 0.00050	0.00005 0.00001 0.00005 0.0005	0.000095	0.000108	0.000093	0	0.0005	0.0005	0.0005	7	0.0005	0.000020	7	100%	0.000011 0.000161 0.0005	0.0005	2	0.000251
Solution Might Color C	Libium Magnesium Marganese Mercury Molybdenum Nickel Phosphorus Potassium	mgit mgit mgit mgit mgit mgit	0.01 0.005 0.005	0.000050 0.000050 0.000050 0.000050	0.00005 0.00001 0.00005 0.0005	0.000095	0.000108	0.000093	0	0.0005	0.0008	0.0005	7	0.0005	0.00020	7	100%	0.000011 0.000161 0.0005	0.0005	2 2 2	0.000251
Section Mark 2001 20010 20011 20117 20123 20118 20124 2000000 20107 2010000 7 201114 2010000 7 1054 201010 20117 2 200000 7 2010000 7 2010000 7 201000 201000 7 201000 7 201000 7 201000 7 201000 7 201000 7 201000 7 201000 7 201000 7 201000 7 201000 7 201000 7 201000 7 201000 7 201000 7 201000 7 201000 7 201000 7 201000 7 201000 201000 2010000 2010000 2010000 2010000 2010000 20100000 2010000 2010000 2010000 20100000 20100000 20100000 20100000 20100000 20100000 201000000 201000000 201000000 201000000 201000000 201000000 201000000 201000000 2010000000 2010000000 2010000000 2010000000 2010000000000	Lehum Megnesium Merganise Mercary Mohodenum Nickell Phosphorus Possisium Saferium	mpt	0.01 0.005 0.005	0.00050 0.00050 0.00050 0.00050	0.00005 0.00001 0.00005 0.0005	0 0.000095 0 0.812	0.000108 0.000108 0 0.648	0 0.000093 0 0.604	0.647	0.0005	0.0005	0.0005	7 7	0.0005	0.000020 0.0000 0.047	7 7 7	100%	0.00011 0.000161 0.0005 0.338	0.0005	2 2 2 2	0.000251 0.0005 0.435 0.001
Thinkers (map.L. 0. 0.0007) 0.0001 0.	Lithium Magnesium Marganese Marcary Mulyhdenum Nokel Phosphorus Potassium Setenum Silicon	mpt. mpt. mpt. mpt. mpt. mpt. mpt. mpt.	0.01 0.005 0.005 0.001 0.001	0.000050 0.000050 0.000050 0.000050 2.0 0.0010 0.0050 0.000010	0.00005 0.00001 0.00005 0.0005 0.005 0.005	0 0.000096 0 0.612 0 0.17	0 0.000108 0 0.648 0 0.14	0 0.000093 0 0.604 0 0.17	0 0.647 0 0.14	0.0005 0.535 0.001 0.173000 0.000010	0.0005 0.578 0.001 0.215	0.0005 0.538 0.001 0.262000 0.000010	7 7 7 7	0.0005 0.594 0.001 0.181429 0.000006	0.00020 0.0000 0.0000 0.047 0.000 0.043588	7 7 7 7	100% 100% 100% 100% 100%	0.000011 0.000161 0.0005 0.338 0.001 0.614	0.0005 0.531 0.001 0.735	2 2 2 2 2 2 2	0.000251 0.0005 0.435 0.001 0.675
Televant mgA - 0.000 0.01 0.000 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.0000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.00000000	Lithium Marganese Marganese Mercary Mohjodenum Nickel Nickel Phosphorus Potessium Sidenum	mgit mgit mgit mgit mgit mgit mgit mgit	0.01 0.005 0.005 0.001 0.001	0.00050 0.00050 0.00050 0.00050 0.00050 2.0 0.0010 0.0050	0.00005 0.00001 0.00005 0.0005 0.005 0.001 0.05	0 0.00095 0 0.612 0 0.17	0 0.000108 0 0.648 0 0.14	0 0.00093 0 0.604 0 0.17	0 0.647 0 0.14 0	0.0005 0.535 0.001 0.173000 0.000010 7.67	0.578 0.001 0.215 0.0001 8.33	0.0005 0.538 0.001 0.262000 0.000010 7.28	7 7 7 7 7	0.0005 0.594 0.001 0.181429 0.00006	0.000020 0.0000 0.0000 0.047 0.000 0.043588 0.000005	7 7 7 7 7 7 7	100% 100% 100% 100% 100% 100%	0.000011 0.000161 0.0005 0.338 0.001 0.814 0.00001	0.531 0.531 0.001 0.735 0.00001	2 2 2 2 2 2 2	0.000251 0.0005 0.435 0.001 0.675 0.00001
Uservier eq. 1 0,000 000 0000 0 0,000 0 0,000 0 0,000 0 0,000 0 0,000 0 0,000 0 0,000 0 0,000 0 0,000 0 0 0,000 0 0 0,000 0 0,000 0 0 0,000 0 0 0,000 0 0 0,000 0 0 0,000 0 0 0,000 0 0 0,000 0 0 0,000 0 0 0,000 0 0 0,000 0 0 0,000 0 0 0,000 0 0 0,000 0 0 0,000 0 0 0,000 0 0 0,000 0 0 0,000 0 0 0,000 0 0 0 0,000 0 0 0 0,000 0 0 0 0,000 0 0 0 0,000 0 0 0 0 0 0,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Libium Marganese Marganese Mercary Mohjodenum Nickel Nickel Phosphorus Potassium Sidenum Sidenum Sidenum Sidenum Sidenum Sidenum Sidenum Sidenum Sidenum	mgt	0.01 0.005 0.005 0.001 0.001	0.00050 0.00050 0.00050 0.00050 0.00050 0.00010 0.00010 0.00010 0.00010	0.00005 0.00001 0.00005 0.00005 0.0005 0.0005 0.0001 0.005 0.0011 0.005	0.000095 0.000095 0 0.812 0.17 0.17	0.000108 0.000108 0.00108 0.00108 0.014 0.014 0.0123	0 0.00093 0 0 0.804 0 0.17 0 9.84	0 0.847 0 0.14 0 11.2	0.0005 0.535 0.001 0.173000 0.000010 7.67	0.578 0.501 0.215 0.2001 8.33	0.536 0.536 0.001 0.262000 0.262000 0.262000 0.262000 0.262000	7 7 7 7 7 7 7	0.0005 0.594 0.001 0.181429 0.00005 9.33 0.011194	0.00000 0.0000 0.0000 0.047 0.000 0.043558 0.000005 1.59	7 7 7 7 7 7 7 7 7	100% 100% 100% 100% 100% 100% 100%	0.00011 0.000161 0.0005 0.338 0.338 0.001 0.814 0.0001 1.41	0.0005 0.531 0.001 0.735 0.00001 2.79	2 2 2 2 2 2 2 2 2	0.000251 0.0005 0.435 0.001 0.675 0.00001 2.10 0.00652
Variablem mgL 0.001 0.0010 0.001 0 0.001 0 0.001 0 0 0 0	Libiuro Megnesum Merganese Merganese Merganese Mobilederum Nobel Phosphotus Phosphotus Phosphotus Selection Selection Selection Solder Solder Solder Trailure Trailure	mgt	0.01 0.005 0.005 0.001 0.001	0.00050 0.00050 0.00050 0.00050 0.00050 2.0 0.0010 0.00050 0.00010 2.0 0.00010 0.00010	0.00005 0.00001 0.00005 0.00005 0.00005 0.0005 0.0001 0.0001 0.0001 0.0001	0.00095 0.00095 0.612 0.612 0.917 0.017	0 0.00108 0 0.648 0 0.14 0 0.14 0 0.123	0.000093 0.000093 0.0004 0.0017 0.17 0.0116 0.0116	0 847 0 0 0.14 0 11.2 0.0124 0 0	0.0005 0.535 0.001 0.173000 0.000010 7.67 0.000080 0.0001	0.0005 0.578 0.001 0.215 0.00001 8.33 0.0107 0.0001	0.0005 0.536 0.201 0.2000000 0.000010 7.28 0.000600 0.000600 0.00010	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	0.0005 0.594 0.001 0.181429 0.00005 9.33 0.011194 0.0001	0.00020 0.0000 0.0047 0.000 0.04358 0.00005 0.001088	7 7 7 7 7 7 7 7 7	100% 100% 100% 100% 100% 100% 100% 100%	0.00011 0.000161 0.000161 0.0005 0.338 0.001 0.814 0.0007 1.41 0.00678 0.0001	0.0005 0.531 0.001 0.0001 0.0001	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.000251 0.0005 0.435 0.001 0.875 0.00001 2.10 0.0062 0.0001
	Littura Marpereze Marpereze Marpereze Molopidarun Nichel Proophous Possion Selento Selento Silver Solder Transco Transco Transco Transco Transco	mgst mgst mgst mgst mgst mgst mgst mgst	0.01 0.005 0.005 0.001 0.001	0.000590 0.000590 0.000590 0.000590 0.000590 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010	0.00005 0.00001 0.00005 0.00005 0.0005 0.0005 0.0005 0.0005 0.0001 0.0001 0.0001	0.00096 0.00096 0 0.612 0 0.17 0.17 0 0.0117	0 0.000108 0 0.848 0 0 0.848 0 0 11.11 0 0 0.0123 0 0 0	0.000093 0.000093 0 0.604 0 0.77 0 0.814 0.0116 0	0 0.847 0 0 0.14 0 11.2 0.0124 0 0 0	0.0005 0.536 0.001 0.173000 0.00010 7.67 0.000800 0.0001	0.0005 0.578 0.001 0.215 0.0001 8.33 0.0107 0.0001	0.0005 0.536 0.201 0.262000 0.000010 7.26 0.00060 0.0001	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	0.0005 0.594 0.001 0.181429 0.00005 9.33 0.011194 0.0001	0.00020 0.0000 0.0000 0.047 0.000 0.043558 0.000005 1.59 0.0000 0.0000	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	100% 100% 100% 100% 100% 100% 100% 100%	0.000011 0.000181 0.00018 0.0005 0.338 0.001 0.001 0.001 1.41 0.00078 0.0007	0.531 0.601 0.735 0.0001 0.70001 0.0001 0.0001 0.0001	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.000251 0.0005 0.435 0.001 0.675 0.00501 2.10 0.00552 0.0001 0.00552
	Lifturi Mippenum Mippenum Morper Morp	mgst mgst mgst mgst mgst mgst mgst mgst	0.01 0.005 0.005 0.001 0.001 0.0001 0.001	0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010	0.00005 0.00005 0.00005 0.00005 0.0005 0.0005 0.0005 0.001 0.00001 0.00001 0.00001 0.00001 0.00001	0 000095 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.000108 0 0 0.000108 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.000093 0 0.00004 0 0.17 0 0.0016 0 0 0.000055	0.647 0 0.14 0 11.2 0.0124 0 0	0.0005 0.536 0.001 0.173000 0.173000 0.00010 0.000000 0.000000 0.00010 0.0000000 0.0000000 0.0000000	0.0005 0.578 0.001 0.215 0.00001 0.33 0.0107 0.0007 0.0007	0.0005 0.536 0.00010 0.00010 7.28 0.000010 0.000010 0.000010 0.000010 0.000010	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	0.0005 0.594 0.001 0.181429 0.00005 0.33 0.011194 0.0001 0.0001 0.00059	0.000020 0.0000 0.0000 0.0000 0.00005 1.59 0.0000 0.0000 0.0000 0.0000 0.00009 0.00009	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100%	0.00011 0.000181 0.000181 0.000181 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.00010 0.00010 0.00010 0.00010 0.00010 0.00010	0.0005 0.531 0.001 0.736 0.00001 0.0001 0.0001 0.0001 0.0001	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.000251 0.0005 0.439 0.001 0.005 0.00001 2.10 0.00052 0.0001 0.0052 0.0001 0.00583





	1	1	1	1						Steensby An	a Lakes					Print	Dec/21/11 15:38:30
Parameters	Units	Method Detection Limit	Method Detection Limit	Method Detection Limit	NSC Lake 9-S	NSC Lake 9-s	NSC Lake 9-8	NSC Lake 9-a	ST29-S	Lake S ST29-S	ST29-D	ST29-D	Number of	Mean	Standard	Number of	Percentage of
In Situ Parameters		2006	2007	2008	Surface 30-Jul-08	Surface 01-Sep-08	Bottom 30-Jul-08	Bottom 01-Sep-08	29-Jul-11	27-Aug-11	29-Jul-11	27-Aug-11	Samples	Mean	Standard Deviation	Number of Detects	Percentage of Detects
Temperature Specific Conductance	"C mS/cm			·	15.04	6.16	9.82	6.16 0.04	12.37	10.73	12.29	10.64	8	10.40	3.06	8	100%
Dissolved Oxygen	mg/L	-		-	10.42	12.22	11.71	12.61	0.055	0.055	0.055	0.054	4	11.74	0.01	4	100%
pH	-	-		-	6.58	5.99	6.65	6.29	7.28	7.55	7.28	7.38	8	6.88	0.57	8	100%
Average Depth (m)	(m)																
Measured Depth (m)	(m)			-													
d Depth - May Samples (m			-													
hickness -May Samples ace - May Samples Only	m m			-													
Depth - May Samples C	m			-													
Water Depth	m NTU				7.7	5.5	8	5.5					4 3	6.7	1.4	4 3	100%
Secchi Disk Depth	m			-	6.2	3.8	4.2	3.8					4	4.5	1.1	4	100%
General Parameters a	nd Nutrients				7.01	6.93	7.03	6.95	6.3	6.27	6.3	6.29	8	6.64	0.37	1 8	100%
Conductivity	μS/cm	5	5	5	29	29	28	29	50	55	50	54	8	41	13	8	100%
Turbidity	NTU	0.1	0.1	0.1	0.4	1.5	0.7	2	0.3	0.7	0.3	0.4	8	0.8	0.6	8	100%
Hardness	mg.L as CaCO ₃	1	0.5	0.5		9	8.3	9	13.8	14.6	13.5	14.7	7	11.8	2.9	7	100%
TDS (COND - CALC)	mg/L mod	5	5	5	19	19	18	19	32	36	32	35	8	26	8	8	100%
Alkalinity	mg/L as CaCO ₃	5	5	5	5	12	7	8	13	14	13	14	8	11	4	8	100%
Bromide (Br')	mg/L	0.05	0.05	0.05	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	8	0.25	0.00	8	100%
Chloride (CI)	mg/L mg/L	1	1	1	3	3	3	3	7 2	7	7 2	7	8	5	2	8	50%
Ammonia (NH ₂ +NH ₄)	mg NL	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	8	0.02	0.00	8	100%
Nirite (NO ₂)	mg NL	0.005	0.002	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	8	0.005	0.000	8	100%
Nitrate (NO ₂) NO ₂ +NO ₃	mg NL mg NL	0.1	0.10	0.1	0.1	0.1	0.1	0.1	0.10	0.10	0.10	0.10	8	0.10	0.00	8	100%
Total Phosphorus	mg/L	0.01	0.003	0.003	0.004	0.003	0.003	0.007	0.003	0.003	0.007	0.003	8	0.004	0.002	8	100%
otal Organic Carbon (TO	mg/L		0.5	0.5	2.3	2.4	2.3	2.4	2.3	2.5	2.4	2.4	8	2.4	0.1	8	100%
Dissolved Organic Carbo	mg/L		0.5	0.5	2.2	2.2	2.1	2.3	2.1	1.4	22	1.5	8	2.0	0.3	8	100%
stal Kjeldahl Nitrogen (TR Phenots	mg/L mg/L	0.001	0.05	0.1	0.26	0.24	0.1	0.46	0.10	0.10	0.10	0.10	8	0.18	0.13	8	100%
Total Metals and Non-	Metals				0.001	0.001	0.001	0.001		0.001		0.001					
Aluminium	mg/L mg/L	0.005	0.0010	0.001	0.024600	0.0543	0.022900	0.0001	0.0173	0.005	0.0293	0.0253	8	0.034	0.020	8	100%
Arsenic	mgA	0.001	0.00010	0.0001	0.000100	0.0001	0.000100	0.0001	0.0001	0.0001	0.0001	0.0001	8	0.000100	0.000000	8	100%
Barium	mg/L	0.01	0.000050	0.00005	0.001860	0.0022	0.001860	0.00249	0.00272	0.00267	0.00277	0.00281	8	0.002423	0.000398	8	100%
Berytium	mg/L mg/L	-	0.00050	0.0005	0.000500	0.0006	0.000500	0.0005	0.0005	0.0005	0.0005	0.0005	8	0.000500	0.000000	8	100%
Boron	mg/L	0.01	0.010	0.01	0.010000	0.01	0.010000	0.01	0.01	0.011	0.012	0.01	8	0.010375	0.000744	8	100%
Cadmium	mg/L mg/L	0.0001	0.000017	0.000017	0.000010	2.19	0.000010	0.00001 2.18	0.00001	0.00001	0.00001 3.23	0.00001	8	0.000010 2.75	0.000000	8	100%
Chromium	mg/L	0.001	0.00050	0.0005	0.000500	0.0005	0.000500	0.0006	0.0005	0.0005	0.0005	0.0005	8	0.000500	0.000000	8	100%
Cobalt	mg/L	0.0002	0.00010	0.0001	0.000100	0.0001	0.000100	0.0001	0.0001	0.0001	0.0001	0.0001	8	0.000100	0.000000	8	100%
Copper	mg/L mg/L	0.001	0.00010	0.0001	0.000890	0.00099	0.000820	0.00131	0.00098	0.00112	0.00082	0.00074	8	0.000959	0.000186	8	100%
Lead	mg/L	0.001	0.000050	0.00005	0.000050	0.00009	0.000050	0.0005	0.00005	0.00005	0.00006	0.00005	8	0.000113	0.000157	8	100%
Lithium	mg/L		0.0050	0.006	0.005000	0.005	0.005000	0.005	0.005	0.005	0.005	0.005	8	0.005000	0.000000	8	100%
Marganese	mg/L mg/L	0.01	0.10	0.1	0.82	0.93	0.84	0.94	1.34 0.00125	0.000903	1.32 0.00139	1.42 0.000893	8	1.13	0.000301	8	100%
Mercury	mg/L	0.0001	0.000050	0.00001	0.000010	0.00001	0.000010	0.00001	0.00001	0.00001	0.00001	0.00001	8	0.000010	0.000000	8	100%
Molybdenum Nickel	mg/L	0.005	0.000050	0.00005	0.000067	0.000061	0.000071	0.000128	0.000136	0.000128	0.000111	0.000136	8	0.000107	0.000030	8	100%
Phosphorus	mg/L	0.005	0.0000	0.0005	0.000500	0.0005	0.000500	0.0005	0.0005	0.0005	0.0005	0.0005	-	0.000300	0.00000		100%
Potassium	mgA	0.01	2.0	0.05	0.347	0.366	0.345	0.411	0.539	0.56	0.541	0.569	8	0.460	0.101	8	100%
Selenium Silicon	mg/L mg/L	0.001	0.0010	0.001	0.001000	0.001	0.001000	0.001	0.001	0.001	0.001	0.001	8	0.001000	0.000000	8	100%
Silver	mg/L	0.0001	0.000010	0.00001	0.000010	0.507	0.000010	0.498	0.29	0.000001	0.000001	0.000001	8	0.000008	0.000005	8	100%
Sodium	mg/L	0.05	2.0	0.05	1.70	1.75	1.70	2.03	3.57	4.08	3.53	4.16	8	2.82	1.12	8	100%
Strontium	mg/L mg/L	0.001	0.00010	0.0001	0.005740	0.00605	0.005890	0.00658	0.00987	0.00991	0.00979	0.00997	8	0.007975	0.002056	8	100%
Tin	mg/L	0.01	0.00010	0.0001	0.000100	0.0001	0.000100	0.0001	0.0001	0.0001	0.0001	0.0001	8	0.000100	0.000000	8	100%
Titanium	mg/L	-	0.010	0.01	0.010000	0.01	0.010000	0.01	0.01	0.01	0.01	0.01	8	0.010000	0.000000	8	100%
Uranium Vanadium	mg/L mg/L	0.001	0.000010	0.00001	0.000077	0.00116	0.000076	0.000127	0.00086	0.00082	0.00096	0.0008	8	0.000093	0.000019	8	100%
Zinc	mg/L	0.01	0.0010	0.001	0.001000	0.001	0.001000	0.002	0.003	0.003	0.003	0.003	8	0.002125		8	100%
Dissolved Metals and Aluminium	Non-Metals mg/L	0.005	0.0010	0.001	0.01240	0.017	0.01200	0.0174	0.0077	0.0088	0.0076	0.0086	8	0.01144	0.00399	8	100%
Antimony	mgA		0.00010	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	- 8	0.0001	0.0000	8	100%
Arsenic Barium	mg/L mg/L	0.001	0.00010	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	8	0.0001	0.0000	8	100%
Berytium	mg/L	-	0.00050	0.0005	0.00179	0.00185	0.00180	0.00188	0.00223	0.00248	0.00226	0.00249	8	0.00210	0.00000	8	100%
Bismuth	mg/L		0.00050	0.0005	0.00050	0.0005	0.00050	0.0005	0.0005	0.0005	0.0005	0.0005	8	0.00050	0.00000	8	100%
Boron	mg/L mg/L	0.01	0.010	0.01	0.01000	0.00001	0.01000	0.01	0.01	0.01	0.01	0.00001	8	0.01000	0.00000	8	100%
Calcium	mg/L	1	0.050	0.05	2.00	2.16	1.96	2.15	3.34	3.53	3.36	3.51	8	2.75	0.74	8	100%
Chromium	mg/L	0.001	0.00050	0.0005	0.00050	0.0005	0.00050	0.0005	0.0005	0.0005	0.0005	0.0005	8	0.00050	0.00000	8	100%
Copper	mg/L mg/L	0.0002	0.00010	0.0001	0.00010	0.0001	0.00010	0.0001	0.0001	0.0001	0.0001	0.0001	8	0.00010	0.00000	8	100%
Iron	mg/L mg/L	0.03	0.030	0.03	0.03000	0.03	0.03000	0.0082	0.03	0.03	0.03	0.000	8	0.03000	0.00000	8	100%
Lead	mg/L	0.001	0.000050	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00011	0.00005	0.00005	8	0.00006	0.00002	8	100%
Lithium Magnesium	mg/L mg/L	1	0.0050	0.005	0.00500	0.005	0.00500	0.005	0.005	0.005	0.005	0.005	8	0.00500	0.00000	8	100%
Marganese	mg/L	0.01	0.000050	0.00005	0.00043	0.000535	0.00042	0.000542	0.000537	0.000392	0.000554	0.000356	8	0.000471	0.000079	8	100%
Mercury	mg/L		0.000050	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	8	0.00001	0.00000	8	100%
Molybdenum Nickel	mg/L mg/L	0.005	0.00050	0.00005	0.00007	0.00094	0.00008	0.00083	0.000115	0.000124	0.000111	0.000124	8	0.000097	0.000026	8	100%
Phosphorus																	
Potassium	mg/L	0.01	2.0	0.05	0.338	0.356	0.338	0.359	0.474	0.532	0.475	0.531	8	0.425	0.086	8	100%
Selenium Silicon	mg/L mg/L	0.001	0.0010	0.001	0.00100	0.001	0.00100	0.001	0.001	0.001	0.001	0.001	8	0.00100	0.00000	8	100%
Silver	mg/L	0.0001	0.000010	0.00001	0.00001	0.00001	0.00001	0.00001	0.000001	0.000001	0.000001	0.000001	8	0.00001	0.00000	8	100%
Sodium	mg/L	0.05	2.0	0.05	1.60	1.78	1.63	1.79	3.21	4.2	3.43	4.27	8	2.75	1.15	8	100%
Strontium	mg/L mg/L	0.001	0.00010	0.0001	0.00584	0.0061	0.00579	0.0061	0.00906	0.00918	0.00872	0.0093	8	0.00751	0.00167	8	100%
Tin	mg/L	0.01	0.00010	0.0001	0.00010	0.0001	0.00010	0.0001	0.0001	0.0001	0.0001	0.0001	8	0.00010	0.00000	8	100%
Titanium	mg/L	-	0.010	0.01	0.01000	0.01	0.01000	0.01	0.01	0.01	0.01	0.01	8	0.01000	0.00000	8	100%
Uranium Vanadium	mg/L mg/L	0.001	0.000010	0.00001	0.00008	0.000104	0.00008	0.0001	0.00072	0.00074	0.00066	0.00072	8	0.000078	0.000015	8	100%
Zinc http://doi.org/10.000/Peportif	mg/L	0.01 Program Summar	0.0010 ry Report/Tables/ITI	0.001 ble 3.7_LakeStats_Upda	0.00100	0.001	0.00140	0.001	0.003	0.003	0.003	0.003	8	0.00205	0.00102	8	100%
- 11 New ANTET LOUIS Report F	-person NEVA - Aquati	году ат биттаг	, repainables[Ti	uwwoods_Upds													





	Π	Method	Method	Method				Steensby Are	a Lakes			Print	Dec/21/11 16:38:30
Parameters	Units	Detection Limit	Detection Limit	Detection Limit	NSC Lake 10-S Surface	NSC Lake 10-r Surface	NSC Lake 10-A Bottom	NSC Lake 10-b Bottom	Number of	Mean	Standard Deviation	Number of Detects	Percentage of Detects
In Situ Parameters		2006	2007	2008	31-Jul-08	01-Sep-08	31-Jul-08	01-Sep-08	Samples			Detects	
Temperature Specific Conductance	°C mS/cm			-	14.97	0.03	9.76	0.03	4	9.25	4.18	4	100%
Dissolved Oxygen	mgt	-		-	9.81	12.55	11.05	12.74	4	11.54	1.38	4	100%
pH	-	-		-	5.99	7.95	5.96	7.35	4	6.81	1.00	4	100%
Average Depth (m)	(m)												
Measured Depth (m)	(m)												
d Depth - May Samples 0	m			-									
tickness -May Samples	m			-									
Depth - May Samples C	m												
Water Depth	m			-	9.3	6.5	9.3	6.5	4	7.9	1.6	4	100%
Turbidity Secchi Disk Depth	NTU			-	2	5 3.4	4.8	5 3.4	4	4.1	0.8	4	100%
General Parameters as	nd Nutrients			-	40				_	4.1		_	\vdash
pH Conductivity	μS/om		- 5	1	6.72	8.74	6.64	6.69	4	6.70	0.04	4	100%
Turbidity	NTU	0.1	0.1	0.1	0.5	1.7	0.6	1.9	4	1.2	0.7	4	100%
Hardness	mgt as CaCO ₃	- 1	0.5	0.5		6.2		6.2	2	6.2	0.0	2	100%
TDS (COND - CALC)	mg/L	5	5	5	- 11	14	12	13	4	13	1	4	100%
al Suspended Solids (T	mgt. mgt as CaCO ₃		2	2	2	2	3	2	4	2	1	3	75%
Alkalinity Bromide (Br)	mgt as CaCO ₃	0.05	0.05	0.05	025	10	5 025	025	4	0.25	0.00	4	100%
Chloride (CI)	mgt	1	1	1	2	2	1	2	4	2	1	4	100%
Sulphate (SO ₄ ²)	mgt	- 1	1	1	- 1	1	1	1	4	1	0	4	100%
Ammonia (NH ₂ +NH ₆) Ntrite (NO ₂)	mg NL mg NL	0.02	0.02	0.02	0.02	0.02	0.02	0.02	4	0.02	0.00	4	100%
Nitrate (NO ₂)	mg Nt.	0.1	0.10	0.1	0.1	0.1	0.1	0.1	4	0.1	0.0	4	100%
NO ₂ +NO ₃	mg NL	0.1	0.10	0.1	0.1	0.1	0.1	0.1	4	0.1	0.0	4	100%
Total Phosphorus	mgt	0.01	0.003	0.003	0.004	0.006	0.003	0.006	4	0.005	0.002	4	100%
otal Organic Carbon (TO	mgt.		0.5	0.5	27	3	2.7	3	4	2.9	0.2	2	50%
tissolved Organic Carbo dal Kjeldahl Nitrogen (TK	mgt.		0.5	0.5	2.5 0.28	0.21	2.6 0.15	0.12	4	2.7 0.19	0.1	4	100%
Phenois	mgt.	0.001	0.001	0.001	0.001	0.02	0.001	0.001	4	0.006	0.010	4	100%
Total Metals and Non-	Metals mg/L	0.005	0.0010	0.001	0.018000	0.0578	0.017900	0.058	4	0.037425	0.022500	4	100%
Antimony	mgt	-	0.00010	0.0001	0.000100	0.0001	0.000100	0.0001	4	0.000100	0.000000	4	100%
Arsenic Barlum	mgt.	0.001	0.00010	0.0001	0.000100	0.0001	0.000100	0.0001	4	0.000100	0.000000	4	100%
Berytium	mgt.	0.01	0.000050	0.0005	0.001480	0.00223	0.001490	0.00222	4	0.001855	0.000427	4	100%
Bismuth	mgt	-	0.00050	0.0005	0.000500	0.0005	0.000500	0.0005	4	0.000500	0.000000	4	100%
Boron	mgt	0.01	0.010	0.01	0.010000	0.01	0.010000	0.01	4	0.010000	0.000000	4	100%
Cadmium	mgt.	0.0001	0.000017	0.000017	1.02	1.31	1.02	1.39	4	0.000010	0.000000	4	100%
Chromium	mg1.	0.001	0.00050	0.0005	0.000500	0.0005	0.000500	0.0005	4	0.000500	0.000000	4	100%
Cobalt	mg1.	0.0002	0.00010	0.0001	0.000100	0.0001	0.000100	0.0001	4	0.000100	0.000000	4	100%
Copper	mgt.	0.001	0.00010	0.0001	0.000690	0.00099	0.000810	0.00107	4	0.000890	0.000172	4	100%
Lead	mgt	0.001	0.000050	0.00005	0.000050	0.00008	0.000050	0.00005	4	0.000053	0.000005	4	100%
Lithium	mgt		0.0050	0.005	0.005000	0.005	0.005000	0.005	4	0.005000	0.000000	4	100%
Magnesium Manganese	mgt.	0.01	0.10	0.00005	0.56	0.73	0.56	0.76	4	0.65	0.11	4	100%
Mercury	mgt	0.0001	0.000050	0.00001	0.000010	0.00001	0.000010	0.00001	4	0.000010	0.000000	4	100%
Molybdenum	mgt	0.005	0.000050	0.00005	0.000050	0.00005	0.000050	0.00005	4	0.000050	0.000000	4	100%
Phosphorus	mgt.	0.005	0.00050	0.0005	0.000500	0.0005	0.000500	0.0005	4	0.000500	0.000000	4	100%
Potassium	mgt	0.01	2.0	0.05	0.241	0.298	0.241	0.284	4	0.266	0.029	4	100%
Selenium	mg1.	0.001	0.0010	0.001	0.001000	0.001	0.001000	0.001	4	0.001000	0.000000	4	100%
Silicon	mgt.	0.0001	0.050	0.05	0.232500	0.572	0.219000	0.536	4	0.389750	0.190302	4	100%
Sodium	mgt	0.05	2.0	0.05	1.02	1.19	0.967	1.16	4	1.089	0.101	4	100%
Strontium	mgt	0.001	0.00010	0.0001	0.003830	0.00488	0.003850	0.00477	4	0.004333	0.000571	4	100%
Thallium	mgt.	0.01	0.00010	0.0001	0.000100	0.0001	0.000100	0.0001	4	0.000100	0.000000	4	100%
Titanium	mgL	-	0.010	0.01	0.010000	0.01	0.010000	0.01	4	0.010000	0.000000	4	100%
Unanium	mgt	***	0.000010	0.00001	0.000039	0.00008	0.000041	0.00008	4	0.000080	0.000023	4	100%
Vanadium Zinc	mgt.	0.001	0.0010	0.001	0.001000	0.001	0.001000	0.001	4	0.001000	0.000000	4	100%
Dissolved Metals and Aluminium	Non-Metals mg/L	0.005	0.0010	0.001	0.01180	0.0198	0.0106	0.0201	4	0.01563	0.00502	4	100%
Antimony	mgt.	-	0.00010	0.0001	0.00010	0.0001	0.0001	0.0001	4	0.00010	0.00000	4	100%
Arsenic	mgt	0.001	0.00010	0.0001	0.00010	0.0001	0.0001	0.0001	4	0.00010	0.00000	4	100%
Berlum Berytium	mgt.	0.01	0.000050	0.00005	0.00151	0.00187	0.00148	0.0018	4	0.00167	0.00020	4	100%
Bismuth	mgt	-	0.00060	0.0005	0.00050	0.0005	0.0005	0.0005	4	0.00050	0.00000	4	100%
Baron	mgt	0.01	0.010	0.01	0.01000	0.01	0.0100	0.01	4	0.01000	0.00000	4	100%
Calcium	mgt.	0.0001	0.000017	0.000017	0.0000100	0.00001	0.0000100	0.00001	4	0.0000100	0.0000000	4	100%
Chromium	mgt.	0.001	0.00050	0.0005	0.0005000	0.0005	0.0005000	0.0005	4	0.0005000	0.0000000	4	100%
Cobalt	mgt	0.0002	0.00010	0.0001	0.0001000	0.0001	0.0001000	0.0001	4	0.0001000	0.0000000	4	100%
Copper	mgt.	0.001	0.00010	0.0001	0.0006300	0.00089	0.0008100	0.00099	4	0.0008300	0.0001523	4	100%
Lead	mgt.	0.001	0.000050	0.00005	0.0000500	0.00005	0.0000500	0.00005	4	0.0000500	0.0000000	4	100%
Lithium	mgt		0.0050	0.005	0.0050000	0.005	0.0050000	0.005	4	0.0050000	0.0000000	4	100%
Magnesium Manganese	mgt.	0.01	0.10	0.1	0.55	0.69	0.56	0.69	4	0.62	0.08	4	100%
Mercury	mgt.		0.000050	0.00001	0.0011000	0.00141	0.0000100	0.00001	4	0.0000100	0.0000000	4	100%
Molybdenum	mgt	0.005	0.000050	0.00005	0.0000500	0.000057	0.0000500	0.000057	4	0.0000535	0.0000040	4	100%
Nickel Phosphorus	mgt	0.005	0.00050	0.0005	0.0005000	0.0005	0.0005000	0.0005	4	0.0005000	0.0000000	4	100%
Potassium	mg1.	0.01	2.0	0.05	0.237	0.275	0.233	0.279	4	0.256	0.024	4	100%
Setenium	mg1.	0.001	0.0010	0.001	0.0010000	0.001	0.0010000	0.001	4	0.0010000	0.0000000	4	100%
Silicon Silver	mgt.	0.0001	0.050	0.00	0.2020000	0.427	0.2110000	0.428	4	0.3170000	0.1276480	4	100%
Sodium	mgt.	0.0001	2.0	0.00001	1.02	1.23	1.03	1.22	4	1.13	0.0000000	4	100%
Strontium	mg1.	0.001	0.00010	0.0001	0.0038500	0.00479	0.0038100	0.00484	4	0.0043225	0.0005693	4	100%
Thatium Tin	mgt.	0.01	0.00010	0.0001	0.0001000	0.0001	0.0001000	0.0001	4	0.0001000	0.0000000	4	100%
Titanium	mgt.	-	0.00010	0.0001	0.0100000	0.01	0.0100000	0.0001	4	0.0100000	0.0000000	4	100%
Unanium	mgt		0.000010	0.00001	0.0000390	0.00007	0.0000380	0.000071	4	0.0000545	0.0000185	4	100%
Vanadium Zinc	mgt. mgt.	0.001	0.0010	0.001	0.0010000	0.001	0.0010000	0.001	4	0.0010000	0.0000000	4	100%
ZHC				0.001 ble 3.7_LakeStats_Upda		0.001	U-20 10000	0.001		U.UU1 1000	~ NONTOOD		100%



		1			1													Stee	nsby Area Lak	65													Aint Dec/21/11 15:35:30
Parameters	Units	Method Detection Limit	Method Detection Limit	Method Detection Limit	ST347-S ST347-S	ST347-D	ST347-D	ST347-2-S	ST347-2-S	ST347-2-D	Lake ST347 ST347-2-D ST347-3-S	ST347-3-S	ST347-3-D	ST347-3-D	Number of		Standard		Percentage		NSL Lake 10-B	NSC Lake26-s	10 KM Lake-S	10 KM Lake-S	10 km Lake 10 KM Lake-D	10 KM Lake-D	Number of .	. T	Standard	Number of	Percentage	Lake ST88 NSC Lake6-s	Lake ST195 NSC Lake6-S
In Situ Parameters		2006	2007	2008	28-Jul-11 30-Aug-11	28-Jul-11	30-Aug-11	28-Jul-11	30-Aug-11	28-Jul-11	30-Aug-11 27-Jul-11	29-Aug-11	27-Jul-11	29-Aug-11	Samples	Mean	Deviation	Number of Detects	of Detects	Surface 06-Aug-08	Bottom 06-Aug-08	Shore 08-Sep-08	28-Jul-11	28-Aug-11	28-Jul-11	28-Aug-11	Samples	Mean	Deviation	Detects	of Detects	Surface 03-Sep-08	Surface 30-Jul-08
Temperature Specific Conductance	"C mS/cm	-		-	9.5 10.23 0.037 0.033	6.72	0.035	9.99	9.85	8.83 0.038	9.74 8.75 0.034 0.026	9.87	8.25 0.026	9.81	12	9.18	1.00	12	100%		9.76		7.35 0.021	9.55	5.74	6.72 0.019	5	7.82	0.00	5	100%	8.68	16.35
Dissolved Oxygen	mg/L				0.037	0.001	0.000	0.003	0.054	0.000	0.004	0.023	0.020	0.020			_		100.0		11.05		0.021	0.02	0.021	0.015		11.05		1	100%	12.08	11.1
pН	-	-			6.71 6.82	6.52	6.63	6.64	6.64	6.67	6.66 6.55	6.6	6.51	6.62	12	6.63	80.0	12	100%		5.96		6.48	6.56	6.30	6.30	5 6	6.32	0.23	5	100%	5.96	
Average Depth (m)	(m)																														\equiv		
Measured Depth (m)	(m)			-																													
d Depth - May Samples 0 hickness - May Samples 1	m																														\equiv		
ace - May Samples Only	m			-																								=					
Depth - May Samples C	m			-																	93						1	4.5	5.2	3	-300%	0.5	0.8
Turbidity	NTU			-																	4						1	3	3	-5	-500%	5	6
Secchi Disk Depth	m and Nutrients																				4.8						1	3.0	1.6	1	100%		
General Parameters as pH Conductivity	μSicm			1 6	6.13 6.03	6.07	6.07	6.06	6.06	6.04	6.15 5.94	6	5.95	6.02	12	6.04	0.06	12	100%	6.70	6.56	6.78	5.99	5.97	6.02	5.96	7 !	5.77	2.46	7	100%	6.84	6.89
Turbidity	NTU	0.1	0.1	0.1	35 34 0.5 0.5	0.4	0.4	0.5	0.9	0.5	38 23 1.4 0.4	0.4	23 0.4	0.3	12	0.6	0.3	12	100%	0.4	16	43	19	20	0.3	20	7	2.0	2.5	6	86%	36	0.5
Hardness	mgit as CaCO ₃	1	0.5	0.5	6.7 6.4	6.8	6.6	6.8	6.5	6.7	6.6 4.9	5.5	4.7	5.4	12	6.1	0.8	12	100%	3.5	3.5	6.3	4	3.9	4.1	4	7	17.2	22.1	7	100%	9.8	7.2
TDS (COND - CALC)	mg/L	5	5	5	23 22	21	22	23	22	22	25 15	20	15	18	12	21	3	12	100%	11	10	28	12	13	12	13	7	44	59	7	100%	23	24
al Suspended Solids (To Alkalinity	mg/L as CaCO ₃	5	5	5	5 5	5	5	5	5	5	6 5	5	5	5	12	5	0	12	100%	6	5	9	5	5	5	5	7	13	15	7	100%	12	9
Bromide (Br')	mg/L	0.05	0.05	0.05	0.25 0.25	0.25	0.25	0.25	0.25	0.25	0.25 0.25	0.25	0.25	0.25	12	0.25	0.00	12	100%	0.25	0.25	0.25	0.25	0.25	0.25	0.25	7	1.33	2.63	7	100%	0.25	025
Chloride (Cl) Sulphate (SO ₂ ³)	mg/L mg/L	1	1	1	7 6	7	1	7	7	7	6 4	5	1	5	12	6	0	12	100%	1	2	5	1	3 1	3	3			17.70	2	29%	1	2
Ammonia (NH ₃ +NH ₄)	mg NL	0.02	0.02	0.02	0.02 0.03	0.02	0.02	0.02	0.02	0.02	0.02 0.05	0.03	0.02	0.05	12	0.03	0.01	12	100%	0.02	0.02	0.02	0.02	0.04	0.03	0.03	7	1.18	2.69	7	100%	0.02	0.03
Nitrite (NO ₂)	mg NL mg NL	0.005	0.002	0.006	0 0	0.10	0.10	0.005	0.005	0.005	0.005 0.005 0.10 0.10	0.005	0.005	0.005	12	0.005	0.000	12	100%	0.005	0.005	0.005	0.005	0.005	0.005	0.005		1.162	2.701	7	100%	0.005	0.005
NO ₂ +NO ₃	mg NL	0.1	0.10	0.1	0.10 0.10	0.10	0.10	0.10	0.10	0.10	0.10 0.10	0.10	0.10	0.10	12	0.10	0.00	12	100%	0.1	0.1	0.1	0.10	0.10	0.10	0.10			2.67	7	100%	0.1	0.1
Total Phosphorus	mg/L	0.01	0.003	0.003	0.004 0.003	0.003	0.003	0.003	0.003	0.003	0.003 0.003	0.003	0.003	0.003	12	0.003	0.000	12	100%	0.003	0.003	0.003	0.003	0.003	0.003	0.003			2.701	7	100%	0.004	0.003
otal Organic Carbon (TOI Dissolved Organic Carbo	mg/L mg/L		0.5	0.5	1.4 1.1	1.4	1.4	1.7	1.2	1.4	1.3 1.2	1.3	1.2	1.2	12	1.3	0.2	12	100%	1.3	1.1	1.1	1.2	1.2	1.2	1.1	7	3.0	2.4	5	71%	2.3	1.7
ital Kjeldahl Nitrogen (TK	K mg/L		0.05	0.1	0.10 0.10	0.10	0.10	0.10	0.10	0.10	0.10 0.10	0.10	0.10	0.10	12	0.10	0.00	12	100%	0.1	0.1	0.1	0.10	0.10	0.10	0.10			2.65	7	100%	0.1	0.1
Phenois Total Metals and Non-	mg/L Metals	0.001	0.001	0.001	0.001 0.001	0.001	0.001	0.001	0.001	0.001	0.001 0.001	0.001	0.001	0.001	12	0.001	0.000	12	100%	0.001	0.001	0.001	0.001	0.001	0.001	0.001	7 1	1.160	2.702	7	100%	0.001	0.001
Aluminium	mg/L	0.005	0.0010	0.001	0.0195 0.0107	0.0169	0.01	0.0178	0.0104	0.0191	0.0119 0.0147	0.0112	0.016	0.0113	12	0.0141	0.0036	12	100%	0.013200	0.012800	0.0898	0.0164	0.0162	0.0158	0.0128	7 1.1	79207	2.656274 2.668276	7	100%	0.0663	0.012900
Artimony Arsenic	mg/L mg/L	0.001	0.00010	0.0001	0.0001 0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001 0.0001	0.0001	0.0001	0.0001	12	0.0001	0.0000	12	100%	0.000100	0.000100	0.0001	0.0001	0.0001	0.0001	0.0001	7 1.1	51033	2.668276	7	100%	0.0001	0.000100
Barium	mg/L	0.01	0.000050	0.00005	0.00184 0.0016	0.00183	0.00122	0.00173	0.00135	0.00181	0.00159 0.00163	0.00153	0.00163	0.00154	12	0.00161	0.00019	12	100%	0.001280	0.001320	0.00228	0.00162	0.00145	0.00166	0.00143	7 1.1		2.667380	7	100%	0.00267	0.001450
Beryllium Bismuth	mg/L mg/L		0.00050	0.0006	0.0005 0.0005	0.0005	0.0005	0.0005	0.0005	0.0006	0.0005 0.0005	0.0005	0.0005	0.0005	12	0.0005	0.0000	12	100%	0.000500	0.000500	0.0005	0.0005	0.0005	0.0005	0.0005	7 1.1		2.688156 2.688156	7	100%	0.0005	0.000500
Boron Cadmium	mg/L	0.01	0.010	0.01	0 0	0	0	0.01	0.01	0.01	0.01 0.01	0.01	0.01	0.01	12	0.01	0.00	12	100%	0.010000	0.010000	0.01	0.01	0.01	0.01	0.01			2.664290 2.668303	7	100%	0.01	0.010000
Calcium	mg/L mg/L	0.0001	0.000017	0.000017	1.36 1.29	1.39	1.34	1.39	1.32	1.38	0.00001 0.00001 1.35 0.995	1.13	0.00001	0.00001	12	1.25	0.00000	12	100%	0.728	0.722	1.21	0.00001	0.00001	0.00001	0.00001		1.932	5.648	7	100%	2.12	1.28
Chromium	mg/L	0.001	0.00050	0.0006	0.0005 0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005 0.0005	0.0005	0.0005	0.0005	12	0.0005	0.0000	12	100%	0.000500	0.000500	0.0005	0.0005	0.0005	0.0005	0.0005			2.6682	7	100%	0.0005	0.000500
Cobalt	mg/L mg/L	0.0002	0.00010	0.0001	0.0001 0.0001 0.00053 0.0005	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001 0.0001 0.0005 0.0006	0.0001	0.0001	0.0001	12	0.0001	0.0000	12	100%	0.000100	0.000100	0.0001	0.0001	0.0001	0.0001	0.0001			2.688275 2.688053	7	100%	0.0001	0.000100
Iron	mg/L	0.03	0.030	0.03	0.03 0.03	0.03	0.03	0.03	0.03	0.1	0.03 0.03	0.03	0.03	0.03	12	0.04	0.02	12	100%	0.030000	0.030000	0.098	0.03	0.03	0.03	0.03			2.638516	7	100%	0.097	0.030000
Lead	mg/L mg/L	0.001	0.000050	0.0005	0.00005 0.00005 0.005 0.005	0.00005	0.00005	0.0005	0.00005	0.0005	0.00005 0.00005 0.005 0.005	0.00005	0.0005	0.00005	12	0.00005	0.0000	12	100%	0.000050	0.000050	0.00009	0.00005	0.00005	0.00005	0.00005			2.668283 2.666807	7	100%	0.0006	0.005000
Magnesium	mg/L	1	0.10	0.1	0.8 0.77	0.81	0.79	0.81	0.78	0.8	0.79 0.58	0.65	0.56	0.64	12	0.73	0.10	12	100%	0.40	0.40	0.87	0.48	0.47	0.49	0.47	7 :	- 1	2.75	7	100%	1.12	0.96
Marganese	mg/L mg/L	0.001	0.000050	0.00005	0.00108 0.00057 0.00001 0.00001	0.000113	0.000553	0.00112	0.000542	0.00116	0.000622 0.000835 0.00001 0.00001	0.000562	0.000815	0.000589	12	0.000798	0.000258	12	100%	0.000701	0.000692	0.00202	0.00129	0.000977	0.00135	0.000879	7 1.1	50950	2.667537 2.668303	7	100%	0.00199	0.000825
Molybdenum	mg/L	0.005	0.000050	0.00005	0.000082 0.000067	0.00007	0.000057	0.000063	0.000064	0.00006	0.000094 0.000072	0.00006	0.000067	0.000071	12	0.000069	0.000010	12	100%	0.000050	0.000051	0.000087	0.00007	0.000067	0.000091	0.000064	7 1.1		2.688259	7	100%	0.000109	0.000051
Nickel Phosphorus	mg/L	0.005	0.00050	0.0005	0.0005 0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005 0.0005	0.0005	0.0005	0.0005	12	0.0005	0.0000	12	100%	0.000500	0.000500	0.0005	0.0005	0.0005	0.0005	0.0005	7 1.1	51292	2.668154	7	100%	0.0005	0.000500
Potassium	mg/L	0.01	2.0	0.05	0.392 0.32	0.393	0.237	0.381	0.274	0.39	0.324 0.317	0.301	0.322	1	12	0.329	0.051	12	100%	0.216	0.216	0.395	0.297	0.248	0.307	0.249		1.582	2.510	7	100%	0.402	0.344
Selenium Silicon	mg/L mg/L	0.001	0.0010	0.001	0.001 0.001	0.001	0.001	0.001	0.001	0.001	0.001 0.001	0.001	0.001	0.001	12	0.001	0.000	12	100%	0.001000	0.001000	0.001	0.001	0.001	0.001	0.001			2.687995 2.589183	7	100%	0.001	0.001000
Silver	mg/L	0.0001	0.000010	0.00001	0.000001 0.000001	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001 0.000001	0.000001	0.000001	0.000001	12	0.000001	0.000000	12	100%	0.000010	0.000010	0.00001	0.000001	0.000001	0.000001	0.000001		50947	2.668304	7	100%	0.00001	0.000010
Sodium	mg/L mg/L	0.05	0.00010	0.05	3.17 3.07 0.00587 0.00551	3.24	0.00477	3.46	2.73	3.28	3.16 2.16 0.00554 0.00461		2.18 0.00478		12	2.85 0.00533	0.44	12	100%	1.40 0.003180	0.003230	5.08	1.64	1.72 0.0037	1.63	1.7 0.00373	7 1	16178	8.05 2.66363	7	100%	2.53	3.36 0.005100
Thallum	mg/L		0.00010	0.0001	0.0001 0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001 0.0001	0.0001	0.0001	0.0001		0.0001		12	100%	0.000100	0.000100	0.0001	0.0001	0.0001	0.0001	0.0001			2.6683	7	100%	0.0001	0.000100
Tin Titanium	mg/L mg/L		0.00010	0.0001	0.0001 0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001 0.0001	0.0001	0.0001	0.0001	12	0.0001	0.0000	12	100%	0.000100	0.000100	0.0001	0.0001	0.0001	0.0001	0.0001	7 1.1		2.688276	7	100%	0.0001	0.010000
Uranium	mg/L		0.000010	0.00001	0.00004 0.000033	0.000039					0.000034 0.000035	0.000028	0.000036	0.00003	12	0.000034	0.000004	12	100%	0.000035	0.000031	0.000091	0.000035	0.000028	0.000033	0.00003	7 1.1	51032	2.668267		100%	0.000104	0.000027
Vanadium Zinc	mg/L mg/L		0.0010	0.001	0.001 0.001		0.001	0.001	0.001	0.001	0.001 0.001						0.000		100%		0.001000		0.001	0.001		0.001	7 1.1		2.668006 2.667616	7	100%		0.001000
Dissolved Metals and	Non-Metals					1			<u> </u>																		-				\vdash		
Aluminium	mg/L	-	0.00010	0.0001	0.0034 0.0034 0.0001 0.0001	0.0031	0.0001	0.0001	0.0001	0.0001	0.003 0.0032 0.0001 0.0001	0.0001	0.0032	0.003	12	0.0001	0.0000	12	100%		0.004900		0.0033	0.003	0.0002	0.0044		58949	2.702692	7	100%	0.0101	0.00840
Arsenic Barlum	mg/L mg/L			0.0001	0.0001 0.0001		0.0001	0.0001	0.0001	0.0001	0.0001 0.0001 0.00158 0.0014	0.0001	0.0001	0.0001		0.0001			100%		0.000100	0.0001	0.0001	0.0001		0.0001			2.702678	7	100%	0.0001	0.0001
	mg/L mg/L	-	0.00050	0.0006	0.00153 0.00166 0.0005 0.0005			0.00153	0.00159	0.00154	0.00158 0.0014 0.0005 0.0005	1		1		0.0005	0.0000	12	100%		0.001300			0.00131			7 1.1	59229	2.702571	7	100%	0.0021	0.00143
Bismuth Boron	mg/L	-	0.00050	0.0005	0.0005 0.0005	0.0005		0.0005	0.0005	0.0005	0.0005 0.0005 0.01 0.01	0.0005			12	0.0005	0.0000	12	100%		a.aaasaa a.aaaaaa	0.0005	0.0005			0.0005	7 1.1			7	100%	0.0005	0.00050
Cadmium	mg/L mg/L					0.00001	0.00001	0.00001	0.00001	0.00001	0.00001 0.00001	0.00001	0.00001	0.00001	12	0.00001	0.00000	12	100%		0.010000			0.00001		0.00001	7 1.1	58885	2.702719			0.00001	0.01000
Calcium	mg/L	1	0.050	0.05	1.33 1.34						1.34 1.02				12	1.248	0.155	12	100%	0.734	0.741	1.19	0.801	0.823	96.5		7 5	5.908	10.483	7	100%	2.1	1.29
Chromium	mg/L mg/L		0.00050	0.0005	0.0005 0.0005 0.0001 0.0001		0.0005	0.0005	0.0005	0.0005		0.0005			12		0.0000		100%		0.000500	0.0006		0.0005		0.0005	7 1.1	58948	2.702692	7	100%	0.0005	0.00050
Copper	mg/L	0.001	0.00010	0.0001	0.0005 0.0005	0.00055		0.0005		0.00051			0.0005	0.0005	12	0.00051	0.00001	12	100%	0.000400	0.000380	0.00074	0.0005	0.0005	0.0005	0.0005	7 1.1	159418	2.702489	7	100%	0.00087	0.00070
Iron Lead	mg/L mg/L		0.000	0.03	0.03 0.03 0.00005 0.00005			0.000	0.003	0.003							0.00			0.030000	0.030000			0.03		0.00				7	100%	0.00005	0.03000
Lithium	mg/L		0.0050	0.005	0.005 0.005	0.005	0.005	0.005	0.005	0.005	0.005 0.005	0.005	0.005	0.005	12	0.005	0.000	12	100%	0.005000	0.005000	0.005	0.005	0.005	0.005	0.005	7 1.1	62336	2.701226	7	100%	0.005	0.00500
Magnesium Marganese	mg/L mg/L	0.01	0.10	0.1	0.77 0.75 0.000443 0.000349						0.78 0.56 0.000382 0.00038				12	0.72			100%		0.40								3.46 2.702355	7	100%	0.000946	0.95
Mercury	mg/L		0.000050	0.00001	0.00001 0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001 0.00001	0.00001	0.00001	0.00001	12	0.00001	0.00000	12	100%	0.000010	0.000010	0.00001	0.00001	0.00001	0.00001	0.00001	7 1.1	58885	2.702719	7	100%	0.00001	0.00001
Molybdenum Nickel	mg/L mg/L		0.00050		0.000068 0.000064 0.0005 0.0005						0.000069 0.000059 0.0005 0.0005						0.000004		100%		0.000050			0.000059								0.000178	0.00005
Phosphorus																																	
Potassium Selenium			2.0	0.05	0.335 0.326 0.001 0.001			0.344	0.328	0.341	0.325 0.283 0.001 0.001				12		0.024		100%		0.219		0.251	0.251		0.248	7 1.1				100%	0.371	0.355
Silicon	mg/L		0.050	0.05	0.19 0.18						0.18 0.22			0.18	12	0.19	0.01	12	100%	0.234000	0.253000	0.263	0.25	0.24	0.24		7 1.3	154208	2.622517	7	100%	0.243	0.12600
Silver	ng/L Jgm		0.000010		0.000001 0.000001	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001 0.000001 3.34 2.29	0.000001	0.000001	0.000001			0.000000		100%		0.000010			0.000001		0.000001	7 1.1				100%		0.00001 3.45
Sodium Strontium	mg/L	0.001	0.00010	0.0001	0.00527 0.00539	0.00534	0.00536	0.0055	0.0055	0.00547	0.00551 0.00406	0.00495	0.00425	0.00489	12	0.00512	0.00050	12	100%	0.003260	0.003410	0.00633	0.00355	0.00378	0.00353	0.00374	7 1.1	69462	2.698180	7	100%	0.00695	0.00518
Thallum Tin	mg/L mg/L		0.00010	0.0001	0.0001 0.0001		0.0001	0.0001	0.0001	0.0001	0.0001 0.0001						0.0000				0.000100					0.0001			2.702692		100%	0.0001	0.00010
Tin Ttanium	mg/L mg/L	0.01	0.00010		0.0001 0.0001	0.0001	0.0001	0.0001	0.0001	0.001	0.0001 0.0001 0.01 0.01	0.0001					0.0000				0.000100	0.0001	0.0001	0.0001	0.0001	0.0001		58948		7	100%	0.0001	0.00010
Uranium	mg/L		0.000010	0.00001	0.00003 0.000029		0.000027	0.000033	0.000029	0.000031	0.000028 0.000028	0.000026	0.00003	0.000027	12	0.000029	0.000002	12	100%	0.000032	0.000029	0.000072	0.000027	0.000027	0.000025	0.000028		58958		7	100%	0.000089	0.000023
Vanadium Zinc	mg/L mg/L	0.001	0.0010	0.001	0.001 0.001 0.003 0.003	0.001	0.001	0.001	0.001	0.001	0.001 0.001 0.003 0.003	0.001	0.001	0.001	12	0.001	0.000	12	100%		0.001000	0.001	0.001	0.001	0.001	0.001			2.702423 2.702048	7	100%	0.001	0.00100
Intraziatitati Al Report R	leport S, Rev A - Aquatic	tic Program Summa	ry Report/Tables/(Ta	ble 3.7_LakeState_Upd	d .																												



TABLE 3.7

BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT LAKE WATER QUALITY SUMMARY DATA AND STATISTICS

		Mathad Datastian	Dessi ing Water				Km 32 Lake		Prii	nt Dec/22/11 17:1
Parameters	Units	Method Detection Limit	Receiving Water Quality Guidelines	Km 32 Lake S	KM 32 Lake D	Number of Samples	Mean	Standard Deviation	Number of Detects	Percentage of Detects
In Situ Parameter Field Temperature	°C	2011	2011	20-Jul-11 11.210	20-Jul-11 4.980	2	8.095	4.405	2	100%
Field Conductivity	μS/cm			0.145	0.188	2	0.167	0.030	2	100%
Dissolved Oxygen	mg/L			94.300	86.700	2	90.500	5.374	2	100%
Field pH				8.110	8.010	2	8.060	0.071	2	100%
Laboratory Results Alkalinity as CaCO3	mg/L	5		77.000	92.000	2	84.500	10.607	2	100%
Bromide Chloride	mg/L mg/L	0.25	120	0.250 1.000	0.250 1.000	2	0.250 1.000	0.000	2	100%
Conductivity	uS/cm	5	120	144.000	184.000	2	164.000	28.284	2	100%
N-NH3 (Ammonia)	mg/L	0.02	0.021-231	0.020	0.020	2	0.020	0.000	2	100%
N-NO2 (Nitrite) N-NO3 (Nitrate)	mg/L mg/L	0.100	0.06	0.100	0.100	2	0.100	0.000	2	100%
NO2 + NO3 as N	mg/L	0.1	13	0.100	0.100	2	0.100	0.000	2	100%
Phenols	mg/L	0.001	0.004	0.001	0.001	2	0.001	0.000	2	100%
Total Phosphorus	mg/L	0.003		0.005	0.007	2	0.006	0.001	2	100%
Sulphate Total Kjeldahl Nitrogen	mg/L mg/L	0.1		3.000 0.120	8.000 0.240	2	5.500 0.180	3.536 0.085	2	50% 100%
Total Organic Carbon	mg/L	0.5		0.900	1.200	2	1.050	0.212	2	100%
Dissolved Organic Carbon	mg/L	0.5		0.900	1.200	2	1.050	0.212	2	100%
Total Suspended Solids otal Dissolved Solids (COND - CALC)	mg/L mg/L	1.00		2.000 94.000	2.000 120.000	2	2.000	0.000	2	100%
Hardness as CaCO3 (Total)	mg/L	0.5		77.000	101.000	2	89.000	16.971	2	100%
Turbidity	NTU	0.1		0.200	0.300	2	0.250	0.071	2	100%
Aluminum (Total)	mg/L mg/l	0.003	0.005-0.1	0.007	0.014	2	0.011	0.004	2	100%
Antimony (Total) Arsenic (Total)	mg/L mg/L	0.0001	0.005	0.0001	0.0001	2	0.0001	0.0000	2	100%
Barium (Total)	mg/L	0.00005		0.001	0.002	2	0.002	0.000	2	100%
Beryllium (Total)	mg/L	0.0005		0.001	0.001	2	0.001	0.000	2	100%
Bismuth (Total) Boron (Total)	mg/L mg/L	0.0005	1.5	0.001	0.001	2	0.001	0.000	2	100%
Cadmium (Total)	mg/L	0.00001	0.000029	0.00001	0.00001	2	0.00001	0.00000	2	100%
Calcium (Total)	mg/L	0.05		22.600	29.400	2	26.000	4.808	2	100%
Chromium (Total) Cobalt (Total)	mg/L mg/L	0.0005	0.0047	0.001	0.001	2	0.001	0.000	2	100%
Copper (Total)	mg/L	0.0001	0.002	0.001	0.001	2	0.001	0.000	2	100%
Iron (Total)	mg/L	0.03	0.3	0.030	0.030	2	0.030	0.000	2	100%
Lead (Total)	mg/L	0.00005	0.001	0.0001	0.0001	2	0.0001	0.0000	2	100%
Lithium (Total) Magnesium (Total)	mg/L mg/L	0.005		0.005 4.950	0.005 6.570	2	0.005 5.760	0.000	2	100%
Manganese (Total)	mg/L	0.00005		0.000	0.002	2	0.001	0.001	2	100%
Mercury (Total)	mg/L	0.00001	0.000026	0.00001	0.00001	2	0.00001	0.00000	2	100%
Molybdenum (Total)	mg/L	0.00005	0.073	0.0001	0.0005	2	0.0003	0.0002	2	100%
Nickel (Total) Phosphorus	mg/L	0.0005	0.083	0.001	0.001	2	0.001	0.000	2	100%
Potassium (Total)	mg/L	0.05		0.196	0.251	2	0.224	0.039	2	100%
Selenium (Total)	mg/L	0.001	0.001	0.001	0.001	2	0.001	0.000	2	100%
Silicon (Total) Silver (Total)	mg/L mg/L	0.005	0.0001	0.330 0.000001	0.690 0.000001	2	0.510	0.255	2	100%
Sodium (Total)	mg/L	0.0012	0.0001	0.278	0.518	2	0.398	0.170	2	100%
Strontium (Total)	mg/L	0.0001		0.020	0.023	2	0.021	0.002	2	100%
Thallium (Total) Tin (Total)	mg/L	0.0001	0.0008	0.0001	0.0001	2	0.0001	0.0000	2	100%
Titanium (Total)	mg/L mg/L	0.001		0.0001	0.0001	2	0.010	0.000	2	100%
Uranium (Total)	mg/L	0.00001	0.015	0.0001	0.0002	2	0.0001	0.0001	2	100%
Vanadium (Total)	mg/L	0.001	0.006	0.001	0.001	2	0.001	0.000	2	100%
Zinc (Total) Dissolved Metals	mg/L	0.003	0.03	0.003	0.003	2	0.003	0.000	2	100%
рН			6.5-9.0	7.410	7.520	2	7.465	0.078	2	100%
Chlorophyll-a Pheophytin-a	mg/m3 mg/m3	0.2		0.200	0.500	2	0.350	0.212	2	100%
Hardness as CaCO3 (Dissolved)	mg/L	0.5		73.000	99.000	2	86.000	18.385	2	100%
Calcium (Dissolved)	mg/L	0.05		21.600	28.900	2	25.250	5.162	2	100%
Magnesium (Dissolved)	mg/L	0.1		4.730	6.440	2	5.585	1.209	2	100%
Potassium (Dissolved) Sodium (Dissolved)	mg/L mg/L	0.05		0.181	0.224	2	0.203	0.030	2	100%
Aluminum (Dissolved)	mg/L	0.003		0.003	0.003	2	0.003	0.000	2	100%
Antimony (Dissolved)	mg/L	0.0001		0.0001	0.0001	2	0.0001	0.0000	2	100%
Arsenic (Dissolved) Barium (Dissolved)	mg/L mg/L	0.0001 0.00005		0.0001 0.001	0.0001	2	0.0001	0.0000	2	100%
Beryllium (Dissolved)	mg/L mg/L	0.0005		0.001	0.002	2	0.001	0.000	2	100%
Bismuth (Dissolved)	mg/L	0.0005		0.001	0.001	2	0.001	0.000	2	100%
Boron (Dissolved) Cadmium (Dissolved)	mg/L	0.01		0.010	0.010	2	0.010	0.000	2	100%
Cadmium (Dissolved) Chromium (Dissolved)	mg/L mg/L	0.00001		0.0001	0.0001	2	0.00001	0.00000	2	100%
Cobalt (Dissolved)	mg/L	0.0001		0.0001	0.0001	2	0.0001	0.0000	2	100%
Copper (Dissolved)	mg/L	0.0005		0.001	0.001	2	0.001	0.000	2	100%
Iron (Dissolved) Lead (Dissolved)	mg/L mg/L	0.003		0.030	0.030	2	0.030	0.000	2	100%
Lithium (Dissolved)	mg/L	0.005		0.005	0.005	2	0.005	0.000	2	100%
Manganese (Dissolved)	mg/L	0.00005		0.0002	0.0002	2	0.0002	0.0000	2	100%
Mercury (Dissolved)	mg/L mg/l	0.00001		0.00001	0.00001	2	0.00001	0.0000	2	100%
Molybdenum (Dissolved) Nickel (Dissolved)	mg/L mg/L	0.00005		0.0001 0.001	0.0001 0.001	2	0.0001	0.0000	2	100%
Phosphorus	mg/L	0.001		0.001	0.001	2	0.001	0.000	2	100%
Phosphorus Selenium (Dissolved)		0.05		0.320 0.000001	0.660 0.000001	2	0.490 0.000001	0.240	2	100%
Phosphorus	mg/L mg/L	0,00001			2.300001	1			T	
Phosphorus Selenium (Dissolved) Silicon (Dissolved)	mg/L mg/L mg/L	0.00001		0.018	0.021	2	0.019	0.002	2	100%
Phosphorus Selenium (Dissolved) Silicon (Dissolved) Silver (Dissolved)	mg/L				0.021 0.0001	2	0.019	0.002	2	100%
Phosphorus Selenium (Dissolved) Silicon (Dissolved) Silver (Dissolved) Strontium (Dissolved) Thallium (Dissolved)	mg/L mg/L mg/L mg/L	0.0001 0.0001 0.0001		0.018 0.0001 0.0001	0.0001	2	0.0001	0.0000	2	100%
Phosphorus Selenium (Dissolved) Silicon (Dissolved) Silver (Dissolved) Strontium (Dissolved) Thallium (Dissolved)	mg/L mg/L mg/L	0.0001 0.0001		0.018 0.0001	0.0001	2	0.0001	0.0000	2	100%



TABLE 3.7

BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT LAKE WATER QUALITY SUMMARY DATA AND STATISTICS

Part	_	** *	Method Detection	Receiving Water			Katik	tok Lake		1	1
March Marc	Parameters	Units						Mean			Percentag of Detects
Teal		°C	2011	2011			2	9.490	1.160	2	100%
											100%
Marchand		mg/L									100%
1988 1988 1988 1988 1989		mall	5			84 000	2	84 500		2	100%
Personal											100%
March				120							100%
1806 1806	·			0.021-231							100%
Personal	N-NO2 (Nitrite)	mg/L	0.100	0.06	0.100	0.100	2	0.100	0.000	2	100%
March Marc				13							100%
Marche March Mar				0.004							100%
Money		mg/L									100%
Column											100%
Column										2	100%
											100%
March Marc											100%
Memory M	Hardness as CaCO3 (Total)	mg/L	0.5		83.900	82.700	2	83.300	0.849	2	100%
March Marc				0.005-0.1							100%
Beach Care											100%
Seminaria				0.005							100%
Securit Crist											100%
Cameric From may Cameric Cameric From may											100%
Comment Comm											100%
Constraint				0.000029							100%
Security Company Com		mg/L		0.0047	0.500	0.500	2			2	100%
Description	Occasion (Table)			0.002	0.100	0.100	2	0.500	0.000	2	100%
Manuser (Cease 1994 1,000 1,00					30.000	30.000	2			2	100%
Magnetin				0.001							100%
Memory Flore mgt											100%
MAGESTRUM Mag. 0.0000											100%
Reservicing											100%
Profession (Total)											100%
Securina (Total)											
Second Trace	, ,			0.001							100%
Souther (Total)							2			2	100%
Spreadment (Catal)				0.0001							100%
Transmir (Train) mgA 0,0001 0,010 0,100 0,100 0,000 0,000 2 0,000 1 0,000 0,000 0,000 2 0,000 1 0,000											100%
Teamuri (Teation mgs. 0.01	Thallium (Total)	mg/L	0.0001	0.0008	0.100	0.100	2	0.100	0.000	2	100%
Unmarker (Total)											100%
Zee (Total)				0.015							100%
Dissolved Neals											100%
## 6.5-9.0		mg/L	0.003	0.03	3.000	3.000	2	3.000	0.000	0	0%
Preceptyfin-a mag/m3	pН		0.0	6.5-9.0							100%
Calcium (Dissolved)											100%
Magnesum (Dissolved) mg/L 0.1 6.380 6.280 2 6.95 0.078 2 10 Potassum (Dissolved) mg/L 0.051 0.202 0.200 2 0.201 0.001 2 10 Sodum (Dissolved) mg/L 0.0012 0.335 0.331 2 0.333 0.003 2 1003 0.0003 2 1003 0.0001 2 10 3 0.003 0.0001 2 10 3 0.0001 2 0.0001 2 0.0001 2 0.0001 2 0.0001 2 0.0001 2 0.0001 2 0.0001 2 0.0001 2 0.0001 2 0.0001 2 0.0001 2 0.0001 2 0.0001 2 0.0001 2 0.0001 2 0.0001 2 0.0001 2 0.0001 0.0000 2 1 1 0.0001 0.0001 0.0001 0.0001 0 0.0001 0.0001	Hardness as CaCO3 (Dissolved)	mg/L	0.5		83.800	82.800	2	83.300	0.707	2	100%
Potassium (Dissolved) mg/L 0.066											100%
Auminum (Dissolved)											100%
Antimony (Dissolved) mgL 0.0001 0.0001 2 0.0001 0.0000 2 10 Assenic (Dissolved) mgL 0.0001 0.0001 2 0.0001 0.0000 2 10 Barium (Dissolved) mgL 0.00005 0.0001 0.0000 1 0.00000 1 0.00000 1 0.0000 1 0.0000 1 0.00000 1 0.00000 1 0.00000 1 0.0000 1 0											100%
Arsenic (Dissolved) mgL 0.0001 0.0001 2 0.0001 0.0000 2 100 Barium (Dissolved) mgL 0.00005 0.0001 0.0001 2 0.0001 0.0000 2 100 Beryllium (Dissolved) mgL 0.00005 0.0001 0.0001 2 0.0001 0.0000 2 100 Billium (Dissolved) mgL 0.0005 0.0001 0.0001 2 0.0001 0.0000 2 100 Billium (Dissolved) mgL 0.0005 0.0001 0.0001 0.0000 2 100 Billium (Dissolved) mgL 0.0011 0.0001 0.0001 0.0000 2 100 Cadmium (Dissolved) mgL 0.0001 0.00001 0.00001 0.00001 0.00000 2 100 Chromium (Dissolved) mgL 0.00005 0.00001 0.00001 0.00000 2 100 Chromium (Dissolved) mgL 0.00005 0.00001 0.00001 0.00000 2 100 Coball (Dissolved) mgL 0.00005 0.00001 0.00001 0.00000 2 100 Coball (Dissolved) mgL 0.00005 0.00001 0.00001 0.00000 2 100 Copper (Dissolved) mgL 0.00005 0.00001 0.00001 0.0000 2 100 Copper (Dissolved) mgL 0.00005 0.0001 0.00001 0.0000 2 100 Iron (Dissolved) mgL 0.00005 0.0001 0.0001 0.0000 2 100 Iron (Dissolved) mgL 0.00005 0.0001 0.00001 0.0000 2 100 Iron (Dissolved) mgL 0.00005 0.0001 0.0001 0.0000 2 100 Marginese (Dissolved) mgL 0.00005 0.0001 0.00001 0.0000 1 0.00000 1 0.0000 1 0.0000 1 0.0000 1 0.0000 1 0.0000 1 0.0000 1 0.000											100%
Benyllum (Dissolved)											100%
Bismuth (Dissolved)											100%
Boron (Dissolved)											100%
Chromium (Dissolved) mg/L 0.0005 0.001 0.0001 2 0.001 0.0000 2 10		mg/L									100%
Cobalt (Dissolved) mg/L 0.0001 0.0001 2 0.0001 0.0000 2 100											100%
Fron (Dissolved) mg/L 0.03 0.030 2 0.030 0.000 2 10											100%
Lead (Dissolved) mg/L 0.00005 0.0001 2 0.0001 0.0000 2 10											100%
Lithium (Dissolved) mg/L 0.005 0.005 2 0.005 0.000 2 10 Manganese (Dissolved) mg/L 0.00005 0.0003 0.0003 2 0.0003 0.0001 2 10 Mercury (Dissolved) mg/L 0.00001 0.00001 0.00001 2 0.00001 0.00000 2 10 Molybdenum (Dissolved) mg/L 0.00005 0.0001 0.0001 2 0.0001 0.0000 2 10 Nickel (Dissolved) mg/L 0.0005 0.001 0.001 2 0.001 0.000 2 10 Phosphorus Selenium (Dissolved) mg/L 0.001 0.001 0.001 2 0.001 0.000 2 10 Silicon (Dissolved) mg/L 0.001 0.001 0.0001 2 0.0001 0.0000 2 10 Silver (Dissolved) mg/L 0.00001 0.00001 0.00001 2 0.0001 0.00001 0.00001											100%
Mercury (Dissolved) mg/L 0.00001 0.00001 0.00001 2 0.00001 0.00000 2 10 Molybdenum (Dissolved) mg/L 0.00005 0.0001 0.0001 2 0.0001 0.0000 2 10 Nickel (Dissolved) mg/L 0.0005 0.001 0.001 2 0.001 0.000 2 10 Phosphorus 0.001 0.001 0.001 2 0.001 0.000 2 10 Silcon (Dissolved) mg/L 0.001 0.001 0.001 2 0.001 0.000 2 10 Silcon (Dissolved) mg/L 0.00001 0.00001 0.00001 2 0.0001 0.000001 2 0.00001 0.000000 2 10 Sirontlum (Dissolved) mg/L 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001											100%
Molybdenum (Dissolved) mg/L 0.00005 0.0001 0.0001 2 0.0001 0.0000 2 10											100%
Nickel (Dissolved) mg/L 0.0005 0.001 0.001 2 0.001 0.000 2 10											100%
Selenium (Dissolved) mg/L 0.001 0.001 2 0.001 0.000 2 10 Silicon (Dissolved) mg/L 0.05 0.370 0.360 2 0.365 0.007 2 10 Silver (Dissolved) mg/L 0.000001 0.000001 2 0.000001 0.000001 2 0.000001 2 10 Strontium (Dissolved) mg/L 0.0001 0.017 0.017 2 0.017 0.000 2 10 Thallium (Dissolved) mg/L 0.0001 0.0001 0.0001 2 0.0001 0.0000 2 10 Tin (Dissolved) mg/L 0.0001 0.0001 0.0001 2 0.0001 0.0000 2 10 Titanium (Dissolved) mg/L 0.01 0.010 0.010 2 0.010 0.000 2 10											100%
Silicon (Dissolved) mg/L 0.05 0.370 0.360 2 0.365 0.007 2 10 Silver (Dissolved) mg/L 0.000001 0.000001 0.000001 2 0.000001 0.000000 2 10 Strontlum (Dissolved) mg/L 0.0001 0.017 0.017 2 0.017 0.000 2 10 Thallium (Dissolved) mg/L 0.0001 0.0001 0.0001 2 0.0001 0.0000 2 10 Tin (Dissolved) mg/L 0.0001 0.0001 0.0001 2 0.0001 0.0000 2 10 Titanium (Dissolved) mg/L 0.010 0.010 0.010 2 0.010 0.000 2 10		mall	0.004		0.004	0.004	2	0.004	0.000	2	100%
Strontium (Dissolved) mg/L 0.0001 0.017 0.017 2 0.017 0.000 2 10 Thallium (Dissolved) mg/L 0.0001 0.0001 0.0001 2 0.0001 0.0000 2 10 Tin (Dissolved) mg/L 0.0001 0.0001 0.0001 2 0.0001 0.0000 2 10 Titanium (Dissolved) mg/L 0.01 0.010 0.010 2 0.010 0.000 2 10											100%
Thallium (Dissolved) mg/L 0.0001 0.0001 2 0.0001 0.0000 2 10			0.000001					0.000001	0.000000		100%
Tin (Dissolved) mg/L 0.0001 0.0001 2 0.0001 0.0000 2 100 Titanium (Dissolved) mg/L 0.01 0.01 0.010 2 0.010 0.000 2 100											100%
											100%
Uranium (Dissolved) mg/L 0.00001 0.0001 2 0.0001 0.0000 2 10	, ,										100%
Vanadium (Dissolved) mg/L 0.001 0.001 0.001 2 0.001 0.000 2 10	Uranium (Dissolved)	mg/L	0.00001		0.0001	0.0001	2	0.0001	0.0000		100%



TABLE 3.7 BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

SURFACE WATER AND SEDIMENT QUALITY BASELINE REPOR

Method Method Receiving Water luality Guideline NIVEK NIVEK NS-Nivek-S NS-Nivek-B MRC2-S MRC2-S MRC2-D MRC2-D 2006 2007 2011 2011 In Situ Parameters 8.67 12.76 3.64 13.83 13.01 8.07 8.12 14.5 0.124 0.066 100% Specific Conductance mS/cm 0.057 0.060 0.057 0.058 0.16 0.21 0.16 0.21 9 9 0.14 9.5 10.17 10.81 10.90 6.5-9.0 7.13 6.67 6.78 6.89 8.08 6.6 5.57 6.69 0 Wetted Width Average Depth (m) (m) 0 0 (m) 0 Total Depth - May Samples Only m Ice Thickness -May Samples Only 0 0 Snow Depth - May Samples Only Water Depth 12 12 2 12.0 0.0 2 100% NTU 6.2 2.8 3 6.0 3.1 3 100% Turbidity 6.5-9.0 6.18 6.78 6.23 6.16 7.04 7.04 6.14 6.03 6.04 9 6.40 0.42 100% μS/cm 52 58 239 52 53 16 21 18 21 9 59 70 9 100% Turbidity NTU 0.1 0.1 0.1 0.1 0.6 0.4 0.3 0.3 0.5 0.6 0.5 0.7 0.7 9 0.5 0.2 9 100% mg/L as CaC0 0.5 0.5 0.5 17.2 19.3 19.9 18.0 18.1 5.3 6.9 5.4 7.1 9 13.0 6.6 9 100% mg/L 155 14 12 14 38 100% 34 35 9 2 0 9 100% Total Suspended Solids (TSS) 2 2 2 mg/L mg/L as CaCC 5 5 5 <5 6 6 9 8 6 8 100% 0.05 0.05 0.05 0.25 0.25 100% 78% mg/L 1 120 13 13 2 2 3 9 8 5 10 3 Chloride (Cl⁻) 0.8819 7 78% Sulphate (SO₄²) mg/L 1.0000 9 1.4444 3 3 Ammonia (NH₃+NH₄) mg N/L 0.02 0.02 0.02 0.02 0.021-231 0.06 0.02 0.02 9 0.0244 0.0133 9 100% 0.005 0.100 mg N/L 0.005 0.002 0.06 9 0.037 0.048 100% 0.1 0.1000 0.0000 Nitrate (NO₃') 13 100% mg N/L 0.1 0.10 0.1 0.1 9 0.1000 0.0000 9 100% NO₂+NO₃ mg N/L Total Phosph mg/L 0.01 0.003 0.003 0.003 0.003 0.0110 0.0030 0.003 0.004 0.003 0.007 0.003 9 0.004 0.003 9 100% 0.5 0.5 3.1 3 2.4 0.5 2.5 2.2 1.8 1.9 1.6 2.7 2.8 0.5 89% 0.5 0.5 0.5 2.1 0.4 100% mg/L 2.1 2 1.8 1.4 1.6 2.5 2.6 2.4 2.6 9 9 0.05 0.13 0.03 0.1 0.18 8 8 100% mg/L 0.1 0.11 <0.10 0.11 0.14 0.18 0.001 0.001 9 0.0010 0.0000 100% mg/L 0.001 0.001 0.004 0.001 0.003 0.0134 mg/L 0.0001 0.0001 0.001 0.00010 0.0001 0.0001 9 0.00010 0.00000 9 100% 0.005 Arsenic mg/L 0.0001 0.0001 0.0001 0.0001 0.0001 Barium mg/L 0.01 0.000050 0.00005 0.00005 0.00311 0.00322 0.00319 0.00262 0.00264 0.00281 0.00292 0.00299 0.00296 9 0.00294 0.00022 9 100% 0.0005 0.0005 mg/L 0.00050 0.0005 0.0005 0.0005 0.0005 9 0.00050 0.00000 9 100% 0.0005 0.00050 Boron mg/L 0.01 0.010 0.01 0.01 1.5 0.0100 0.0100 0.01 0.01 0.01 0.01 9 0.01000 0.00000 9 100% 0.01000 Cadmium mg/L 0.0001 0.000017 0.000017 0.00001 0.000029 0.000011 9 0.000010 0.000000 9 100% 0.05 5.87 5.27 5.47 1.11 1.14 1.51 mg/L 0.050 0.05 4.92 5.6 1.46 9 3.59 2.19 9 100% 0.001 0.00050 0.0005 0.0005 0.0047 9 0.0005 0.0000 9 100% mg/L 0.0005 0.0002 0.00010 0.0001 9 0.00010 0.00000 9 100% Cobalt mg/L 0.0001 0.0001 0.0001 Copper mg/L 0.001 0.00010 0.0001 0.0005 0.002 0.00048 0.0005 0.00036 0.00041 0.0009 9 0.00052 0.00015 9 100% 0.03 0.030 0.03 0.03 0.3 0.053 0.08 0.1 0.14 0.16 0.14 0.1 0.09256 0.04836 mg/L 0.00005 0.001 0.001 0.000050 0.00005 0.00006 0.00003 9 100% Lead mg/L 0.00013 9 Lithium mg/L 0.0050 0.005 0.005 0.0050 0.0050 9 0.00500 0.00000 9 100% mg/L 0.10 0.1 0.1 1.11 1.28 1.28 1.04 9 0.95 0.26 9 100% 1.03 0.61 0.78 0.61 0.8 0.00005 0.00005 0.002 0.00361 0.00199 0.00125 0.00115 0.00134 0.000549 0.00212 0.00128 0.000050 0.00455 0.00264 9 100% Manganese mg/L mg/L 0.0001 0.00001 0.00001 0.000026 9 0.00001 0.00000 9 100% mg/L 0.005 0.000050 0.00005 0.00005 0.073 9 0.00005 0.00000 9 100% mg/L 0.005 0.00050 0.0005 0.0005 0.083 0.0005 0.0005 0.0005 0.0005 9 0.00050 0.00000 9 100% 0.00050 0.00050 0.003 Phosphorus 0.540 Potassiun mg/L 0.01 2.0 0.05 0.05 0.643 0.623 0.675 0.532 0.532 0.447 0.468 0.46 0.48 0.086 100% mg/L 0.001 0.0010 0.001 0.001 0.001 0.0010 9 0.00100 0.00000 9 100% mg/L 0.050 0.05 0.05 0.21 0.32 9 9 0.24 0.24 0.32 0.24600 0.23600 0.21 0.31 0.000004 9 Silver mg/L 0.0001 0.000010 0.00001 0.000001 0.0001 9 0.000005 100% 0.05 2.0 0.05 0.0012 1.67 1.8 1.78 1.49 1.54 0.545 0.575 0.564 0.581 9 1.172 0.583 100% mg/L 0.0001 0.0521 0.0557 0.0452 Thallium 0.00010 0.0001 0.0001 0.0008 0.0001 0.0001 9 0.0001 0.0000 9 100% mg/L 0.0001 0.0001 0.0001 0.0001 0.00010 mg/L 0.01 0.00010 0.0001 0.0001 0.00011 9 0.0001 0.0000 9 100% 0.010 0.01 0.01 0.00000 100% mg/L 0.00001 0.015 0.000021 mg/L 0.000010 0.00001 0.000026 0.000045 0.000029 0.000014 0.000013 0.000018 0.000014 0.00002 0.00001 9 0.000011 9 100% 0.001 0.0010 0.001 0.006 9 0.001000 0.000000 9 100% mg/L 0.001 0.001 0.001 0.001 0.001 0.01 0.0010 0.001 0.003 0.03 0.0023 9 0.002478 100% 0.003 mg/L mg/L 0.0001 9 0.0001 Arsenic 0.001 0.00010 0.0001 9 0.0001 0.0000 9 100% mg/L 0.0001 0.0001 0.0001 0.000050 0.00005 0.00005 0.00287 0.00321 0.00261 0.00262 0.00269 0.00274 0.00337 0.00257 0.0033 9 0.00289 0.00032 9 100% mg/L 0.00050 0.0005 0.0005 9 0.0005 0.0000 9 100% Bismuth mg/L 0.0005 0.0005 Boron mg/L 0.01 0.010 0.01 0.01 0.01 0.0100 0.01 9 0.0100 0.0000 9 100% 0.00001 0.00001 1.09 5.93 mg/L 5.56 5.42 5.50 1.09 1.45 mg/L 0.001 0.00050 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 9 0.0005 0.0000 9 100% Chromium 0.0005 Cobalt mg/L 0.0002 0.00010 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 9 0.0001 0.0000 9 100% 0.001 0.00010 0.0001 0.0005 0.0005 0.0003 9 0.0004 0.0001 9 100% mg/L 0.00046 0.0002 0.0005 0.030 0.03 <0.03 0.06 0.06 0.06 0.05 0.0438 100% Iron mg/L 0.001 0.000050 0.00005 0.00005 0.0001 0.0001 0.00005 9 0.00005 0.00000 9 100% Lead mg/L Lithium mg/L 0.0050 0.005 0.005 0.0050 9 0.0050 0.0000 9 100% 0.0050 0.27 mg/L 0.1 1.13 1.27 1.08 1.05 0.59 0.00005 0.00148 0.00107 0.000787 0.000901 0.000757 0.000908 0.01 0.00005 0.00318 0.000872 0.000335 9 0.001143 0.000820 9 100% Manganese mg/L 0.000050 Mercury mg/L 0.000050 0.00001 0.00001 0.0000 0.0000 9 0.00001 0.00000 9 100% Molybdenum 0.005 0.000050 0.00005 0.00005 0.0001 0.00005 9 0.00005 0.00000 9 100% mg/L 0.005 0.00050 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 9 0.0005 0.0000 9 100% mg/L 0.0005 0.0005

ZINC Mg/L 0.01

vr A - Aquatic Program Summary Report\Tables\[Table 3.7_LakeStats_Updated.xts]\[Miscellaneous

0.01

0.001

0.0001

0.05

0.001

0.001

mg/L

2.0

0.0010

0.050

0.000010

2.0

0.00010

0.00010

0.010

0.000010

0.0010

0.05

0.001

0.05

0.00001

0.05

0.0001

0.0001

0.01

0.00001

0.001

0.05

0.001

0.05

0.000001

0.0012

0.0001

0.0001

0.01

0.00001

0.001

0.003

0.606

0.001

0.226

1.6

0.044

0.0001

0.000022

0.625

0.0010

0.23

1.75

0.0496

0.0001

0.000036

0.56

0.0010

0.28

1.61

0.0501

0.0001

0.0000

0.0010

0.529

0.0010

0.2360

1.51

0.0409

0.0001

0.00035

0.000012

0.522

0.0010

0.2450

1.53

0.0429

0.0001

0.00024

0.000010

0.437

0.001

0.2

0.00000

0.512

0.0052

0.0001

0.000015

0.545

0.001

0.31

0.681

0.00718

0.0001

0.000013

0.418

0.001

0.19

0.486

0.00544

0.0001

0.000014

0.001

Phosphorus

Silver

Thallium

Uranium

Vanadium

9

9

9

9

9

9

9

9

9

9

0.530

0.001

0.2463

0.000004

1.152

0.0001

0.00014

0.000016

0.0010

0.0026

0.068

0.000

0.0421

0.000005

0.540

0.0000

0.00009

0.000008

0.0000

9

9

9

9

9

9

9

9

100%

100%

100%

100%

100%

100%

100%

100%

100%

0.531

0.001

0.3

0.685

0.00723

0.0001

0.000012

0.001

0.0041



TABLE 3.7 BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

SURFACE WATER AND SEDIMENT QUALITY BASELINE REPORT LAKE WATER QUALITY SUMMARY DATA AND STATISTICS Print Dec/21/11 15:21:50

Sheardown Lake Tributary 1

				T		Candidate Refere	nce Lake			Mary Lake Tribu	tary 2		Sheardown	Lake Tributary		Dec/21/11 15:21:50
Parameters	Units	Method Detection Limit	Method Detection Limit	Method Detection Limit	CRL-3-S Surface	CRL-3-B Bottom	Number of Samples	Mean	MLST2	MLST2-WQ	Number of Samples	Mean	SDLT1-R1	SDLT1-R1	Number of Samples	Mean
In Situ Parametero		2006	2007	2008	04-Aug-08	04-Aug-08	Samples		25-Jun-08	26-Jul-08	Samples		25-Jun-08	14-Sep-08	Samples	
In Situ Parameters Temperature	°C				14.4	10.2	2	12.3	5.2		1	5.2	6.2	1.2	2	3.7
Specific Conductance	mS/cm				0.111	0.105	2	0.108	0.029		1	0.029	0.113	0.257	2	0.185
Dissolved Oxygen	mg/L				10.66	11.17	2	10.92	12.61		1	12.61	12.81	13.24	2	13.03
pH	-				6.26	6.97	2	6.62	7.05		1	7.05	7.61	8.12	2	7.87
Wetted Width	m	-		-			0									
Average Depth (m)	(m)						0									
Flow Rate	m3/s	-		-			0									
Measured Depth (m)	(m)						0									
Total Depth - May Samples Only	m						0									
Ice Thickness -May Samples Only	m						0									
Airspace - May Samples Only	m						0									
Snow Depth - May Samples Only	m						0									
Water Depth	m				10	10	2	10	0.15	0.15	2	0.15	0.2	0.2	2	0.2
Turbidity	NTU				0	0	2	0						4.1	1	4.1
Secchi Disk Depth	m						0									
General Parameters and Nutrients pH		-		1	7.83	7.82	0 2	7.83	7.38	7.51	2	7.45	7.88		1	7.88
Conductivity	μS/cm	5	5	5	99	96	2	98	32	39	2	36	117		1	117
Turbidity	NTU	0.1	0.1	0.1	0.5	0.7	2	0.6		0.4	2	0.4	1.5		1	1.5
									0.4							
Hardness	mg/L as CaCO ₃	1	0.5	0.5	50.1	49.1	2	49.6	15.3	19.4	2	17.4	57.6		1	57.6
TDS (COND - CALC)	mg/L	5	5	5	64	62	2	63	21	25	2	23	76		1	76
Total Suspended Solids (TSS)	mg/L		2	2	2	2	2	2	2	2	2	2	2.00		1	2.00
Alkalinity	mg/L as CaCO ₃	5	5	5	50	49	2	50	14	23	2	19	49		1	49
Bromide (Br')	mg/L	0.05	0.05	0.05	0.25	0.25	2	0.25	0.250	0.250	2	0.250	0.25		1	0.25
Chloride (Cl')	mg/L	1	1	1	1	1	2	1	1.000	1.000	2	1.000	6		1	6
Sulphate (SO ₄ ²⁻)	mg/L	1	1	1	1	1	2	1	1.000	1.000	2	1.000	1		1	1
Ammonia (NH ₃ +NH ₄)	mg N/L	0.02	0.02	0.02	0.02	0.02	2	0.02	0.070	0.020	2	0.045	0.02		1	0.02
Nitrite (NO ₂ ')	mg N/L	0.005	0.002	0.005	0.005	0.005	2	0.005	0.005	0.005	2	0.005	0.01		1	0.01
Nitrate (NO ₃ ')	mg N/L	0.1	0.10	0.1	0.1	0.1	2	0.1	0.100	0.100	2	0.100	0.10		1	0.10
NO ₂ +NO ₃	mg N/L	0.1	0.10	0.1	0.1	0.1	2	0.1	0.100	0.100	2	0.100	0.10		1	0.10
Total Phosphorus	mg/L	0.01	0.003	0.003	0.003	0.007	2	0.005	0.005	0.003	2	0.004	0.004		1	0.004
Total Organic Carbon (TOC)	mg/L		0.5	0.5	2.6	2.5	2	2.6	4.40	5.8	2	5.10	3.1		1	3.1
Dissolved Organic Carbon	mg/L		0.5	0.5	2.4	2.4	2	2.4	4.10	5.6	2	4.85	2.9		1	2.9
Total Kjeldahi Nitrogen (TKN)	mg/L mg/L		0.05	0.5	0.22	0.18	2	0.20	0.410	0.30	2	0.36			1	0.23
		0.00					2				2	0.36	0.23		1	0.23
Phenois	mg/L	0.001	0.001	0.001	0.001	0.001	2	0.001	0.001	0.001	2	0.001	0.001		- 1	0.001
Total Metals and Non-Metals Aluminium	mg/L	0.005	0.0010	0.001	0.00280	0.00150	2	0.00215	0.00980	0.0089	2	0.00935	0.05840		1	0.05840
Antimony	mg/L	-	0.00010	0.0001	0.00010	0.00010	2	0.00010	0.00010	0.00010	2	0.00010	0.00010		1	0.00010
Arsenic	mg/L	0.001	0.00010	0.0001	0.00010	0.00010	2	0.00010	0.00010	0.00010	2	0.00010	0.00010		1	0.00010
Barium	mg/L	0.01	0.000050	0.00005	0.00309	0.00296	2	0.00303	0.00201	0.00248	2	0.00225	0.00589		1	0.00589
Beryllium	mg/L	-	0.00050	0.0005	0.00050	0.00050	2	0.00050	0.00050	0.00050	2	0.00050	0.00050		1	0.00050
				0.0005			2	0.00050			2	0.00050			1	0.00050
Bismuth	mg/L	-	0.00050		0.00050	0.00050			0.00050	0.00050			0.00050			
Boron	mg/L	0.01	0.010	0.01	0.01000	0.01000	2	0.01000	0.01000	0.01000	2	0.01000	0.01000		1	0.01000
Cadmium	mg/L	0.0001	0.000017	0.000017	0.00001	0.00001	2	0.00001	0.00001	0.00001	2	0.00001	0.00001		1	0.00001
Calcium	mg/L	1	0.050	0.05	11.0	10.6	2	10.8	2.95	3.73	2	3.34	10.9		1	10.9
Chromium	mg/L	0.001	0.00050	0.0005	0.00050	0.00050	2	0.00050	0.00050	0.00050	2	0.00050	0.00050		1	0.00050
Cobalt	mg/L	0.0002	0.00010	0.0001	0.00010	0.00010	2	0.00010	0.00010	0.00010	2	0.00010	0.00010		1	0.00010
Copper	mg/L	0.001	0.00010	0.0001	0.00090	0.00041	2	0.00066	0.00229	0.00052	2	0.00141	0.00300		1	0.00300
Iron	mg/L	0.03	0.030	0.03	0.030	0.0480	2	0.0390	0.05700	0.091	2	0.074	0.08400		1	0.08400
Lead	mg/L	0.001	0.000050	0.00005	0.00005	0.00005	2	0.00005	0.00007	0.00005	2	0.00006	0.00021		1	0.00021
Lithium	mg/L		0.0050	0.005	0.00500	0.00500	2	0.00500	0.00500	0.00500	2	0.00500	0.00500		1	0.00500
Magnesium	mg/L	1	0.10	0.1	5.53	5.38	2	5.46	1.95	2.43	2	2.19	7.28		1	7.28
Manganese	mg/L	0.01	0.000050	0.00005	0.00223	0.00418	2	0.00321	0.00043	0.000831	2	0.000630	0.00145		1	0.00145
Mercury	mg/L	0.0001	0.000050	0.00001	0.00001	0.00001	2	0.00001	0.00001	0.00001	2	0.00001	0.00001		1	0.00001
Molybdenum	mg/L	0.005	0.000050	0.00005	0.00005	0.00005	2	0.00005	0.00005	0.00005	2	0.00005	0.00098		1	0.00098
Nickel	mg/L	0.005	0.00050	0.0005	0.00050	0.00050	2	0.00050	0.00182	0.00093	2	0.00138	0.00146		1	0.00146
Phosphorus					0.0000	0.0000			0.00702	0.00000			0.00140			
		0.04	2.0	0.05	0.070	0.000	2	0.000	0.000	0.005		0.000	440		1	4.40
Potassium	mg/L	0.01	2.0	0.05	0.373	0.363		0.368	0.360	0.205	2	0.283	1.16			1.16
Selenium	mg/L	0.001	0.0010	0.001	0.00100	0.00100	2	0.00100	0.00100	0.00100	2	0.00100	0.00100		1	0.00100
Silicon	mg/L		0.050	0.05	0.58400	0.59500	2	0.58950	0.67500	1.15	2	0.91250	0.94700		1	0.94700
Silver	mg/L	0.0001	0.000010	0.00001	0.00001	0.00001	2	0.00001	0.00001	0.00001	2	0.00001	0.00001		1	0.00001
Sodium	mg/L	0.05	2.0	0.05	0.658	0.608	2	0.633	0.297	0.32	2	0.309	0.522		1	0.522
Strontium	mg/L	0.001	0.00010	0.0001	0.00599	0.00576	2	0.00588	0.00253	0.00403	2	0.00328	0.00675		1	0.00675
Thallium	mg/L		0.00010	0.0001	0.00010	0.00010	2	0.00010	0.00010	0.00010	2	0.00010	0.00010		1	0.00010
Tin	mg/L	0.01	0.00010	0.0001	0.00022	0.00010	2	0.00016	0.00010	0.00010	2	0.00010	0.00010		1	0.00010
Titanium	mg/L		0.010	0.01	0.010	0.010	2	0.010	0.01000	0.01000	2	0.01000	0.01000		1	0.01000
Uranium	mg/L		0.000010	0.00001	0.000178	0.000175	2	0.000177	0.000016	0.000024	2	0.000020	0.000877		1	0.000877
Vanadium	mg/L	0.001	0.0010	0.001	0.0010	0.0010	2	0.0010	0.00100	0.00100	2	0.00100	0.00100		1	0.00100
Zinc	mg/L	0.01	0.0010	0.001	0.0010	0.0010	2	0.0010	0.00440	0.00100	2	0.00270	0.00370		1	0.00370
Dissolved Metals and Non-Metals																
Aluminium	mg/L	0.005	0.0010	0.001	0.001	0.001	2	0.001	0.00750	0.00650	2	0.00700	0.00800		1	0.00800
Antimony	mg/L		0.00010	0.0001	0.00010	0.00010	2	0.00010	0.00010	0.00010	2	0.00010	0.00010		1	0.00010
Arsenic	mg/L	0.001	0.00010	0.0001	0.00010	0.00010	2	0.00010	0.00010	0.00010	2	0.00010	0.00010		1	0.00010
Barium	mg/L	0.01	0.000050	0.00005	0.003	0.003	2	0.003	0.00197	0.00290	2	0.00244	0.00582		1	0.00582
Beryllium	mg/L		0.00050	0.0005	0.001	0.001	2	0.001				0.00050	0.00050		1	0.00050
Bismuth									0.00050	0.00050	2				1	0.00050
Boron	mg/L		0.00050	0.0005	0.001	0.001	2	0.001	0.00050	0.00050	2	0.00050	0.00050			
		0.01		0.0005	0.001	0.001	2	0.001					0.00050		1	0.01000
Cadmium	mg/L	0.01	0.00050						0.00050	0.00050	2	0.00050			1	0.01000
Cadmium	mg/L mg/L		0.00050	0.01	0.010	0.010	2	0.010	0.00050	0.00050	2	0.00050	0.01000			
	mg/L mg/L mg/L	0.0001	0.00050 0.010 0.000017	0.01	0.010	0.010	2	0.010	a.00050 a.01000 a.00001	0.00050 0.010 0.00001	2 2	0.00050 0.010 0.00001	0.01000 0.000013		1	0.000013
Calcium	mg/L mg/L mg/L	0.0001	0.00050 0.010 0.000017	0.01 0.000017 0.05	0.010 0.00001 10.9	0.010 0.00001 10.7	2 2	0.010	0.00050 0.01000 0.00001 2.96	0.00050 0.010 0.00001 3.76	2 2 2	0.00050 0.010 0.00001 3.36	0.01000 0.000013 11.0		1	0.000013
Calcium	mg/L mg/L mg/L mg/L mg/L	0.0001	0.00050 0.010 0.000017 0.050 0.00050	0.01 0.000017 0.05	0.010 0.00001 10.9	0.010 0.00001 10.7 0.00050	2 2 2	0.010 0.00001 10.8 0.00050	0.00050 0.01000 0.00001 2.96	0.00050 0.010 0.00001 3.76 0.00050	2 2 2 2	0.00050 0.010 0.00001 3.36 0.00050	0.01000 0.000013 11.0 0.000500		1	0.000013 11.0 0.000500
Calcium Chronium Cobalt	mg/L mg/L mg/L mg/L mg/L mg/L	0.0001 1 0.001	0.00050 0.010 0.000017 0.050 0.00050 0.00010	0.01 0.000017 0.05 0.005 0.0005	0.010 0.00001 10.9 0.00050	0.010 0.0001 10.7 0.00050	2 2 2 2 2	0.010 0.00001 10.8 0.00050 0.00010	0.00050 0.01000 0.00001 2.96 0.00050 0.00010	0.00050 0.010 0.00001 3.76 0.00050 0.00010	2 2 2 2 2 2 2	0.00050 0.010 0.00001 3.36 0.00050	0.01000 0.000013 11.0 0.000500 0.000100		1 1 1	0.000013 11.0 0.000500 0.000100
Calcium Chromium Cobalt Copper	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.0001 1 0.001 0.0002	0.00050 0.010 0.00017 0.00017 0.00050 0.00050 0.00010	0.01 0.000017 0.005 0.0005 0.0001	0.010 0.0001 10.9 0.00050 0.00010 0.00052	0.010 0.00001 10.7 0.00050 0.00010	2 2 2 2 2 2	0.010 0.00001 10.8 0.00050 0.00010	0.00050 0.01000 0.00001 2.96 0.00050 0.00010	0.00050 0.010 0.00001 3.76 0.00050 0.00010	2 2 2 2 2 2 2	0.00050 0.010 0.00001 3.36 0.00050 0.00010	0.01000 0.000013 11.0 0.000500 0.000100 0.000500		1 1 1	0.000013 11.0 0.000500 0.000100 0.003050
Calcium Chromium Cobalt Copper	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.0001 1 0.001 0.0002 0.001	0.00050 0.010 0.000017 0.050 0.00050 0.00010 0.00010	0.01 0.00017 0.05 0.0005 0.0001 0.0001	0.010 0.0001 10.9 0.00050 0.00050 0.00052	0.010 0.0001 10.7 0.00050 0.0010 0.00125	2 2 2 2 2 2	0.010 0.00001 10.8 0.00050 0.00010 0.00089	0.00050 0.01000 0.00001 2.96 0.00050 0.00050 0.00056	0.00050 0.010 0.00001 3.76 0.00050 0.00010 0.00050 0.00050	2 2 2 2 2 2 2 2	0.00050 0.010 0.00001 3.36 0.00050 0.00010 0.00050	0.01000 0.000013 11.0 0.000500 0.000500 0.000000 0.000000		1 1 1 1 1 1 1 1 1	0.000013 11.0 0.000500 0.000100 0.003050
Calcium Chronium Cobalt Copper Iron Lead Lithium	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.0001 1 0.001 0.0002 0.001	0.00050 0.010 0.00017 0.050 0.00050 0.00010 0.00010 0.00010 0.00050 0.00050	0.01 0.000017 0.05 0.0005 0.0001 0.0001 0.0001 0.0005 0.0005	0.010 0.00001 10.9 0.00050 0.00050 0.00062 0.00062 0.00005	0.010 0.0001 10.7 0.00050 0.00050 0.00125 0.00016 0.00050	2 2 2 2 2 2 2 2	0.010 0.00001 10.8 0.00050 0.00010 0.00089	0.00500 0.01000 0.00001 0.00001 0.00050 0.00050 0.00056 0.04700 0.00055 0.00500	0.00050 0.010 0.00001 3.76 0.00050 0.00010 0.00059 0.0570 0.00005	2 2 2 2 2 2 2 2 2 2	0.00050 0.010 0.0001 3.36 0.00050 0.00010 0.00050 0.00058	0.01000 0.000013 11.0 0.000000 0.000000 0.000000 0.000000		1 1 1 1 1 1 1 1 1	0.000013 11.0 0.000500 0.000100 0.003050 0.030000 0.000100 0.005000
Calcium Chronium Cobalt Copper Iron Lead Lithium Magnesium	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.0001 1 0.001 0.0002 0.001 0.03	0.00050 0.00017 0.000017 0.050 0.00050 0.00010 0.00010 0.00010 0.00010 0.00050 0.00050	0.01 0.000017 0.05 0.0005 0.0001 0.0001 0.0001	0.010 0.0001 10.9 0.00000 0.00000 0.00010 0.00000 0.00000	0.010 0.0001 10.7 0.00050 0.00050 0.00105 0.00105	2 2 2 2 2 2 2 2 2 2	0.010 0.00001 10.8 0.00050 0.00010 0.00089 0.03000 0.00011	0.00050 0.01000 0.00001 2.96 0.00050 0.00010 0.00056 0.04700	0.00050 0.010 0.00001 3.76 0.00050 0.00010 0.00050 0.00570 0.00005	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.00050 0.010 0.00001 3.36 0.00050 0.00010 0.00050 0.00050 0.00050	0.000013 11.0 0.000013 11.0 0.000500 0.000160 0.000500 0.000100		1 1 1 1 1 1 1 1 1	0.000013 11.0 0.000500 0.000100 0.003050 0.030000 0.000100 0.005000 7.30
Calcium Chronium Cobatt Copper Iron Lead Lithium Magnesium Manganese	mgt	0.0001 1 0.001 0.0002 0.001 0.03 0.001	0.00050 0.00017 0.000017 0.050 0.00050 0.00010 0.00010 0.00050 0.00050 0.00050 0.00050	0.01 0.00017 0.05 0.0005 0.0001 0.0001 0.0001 0.0005 0.0005	0.010 0.00001 10.9 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000	0.010 0.00001 10.7 0.00050 0.00105 0.00125 0.0016 0.00500 5.42	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.010 0.00001 10.8 0.00050 0.00010 0.00089 0.000010 0.000010 0.000010 0.000404	0.00550 0.01000 0.00001 2.96 0.00050 0.00010 0.00056 0.04700 0.00055 0.00550 1.93	0.00000 0.010 0.00001 3.76 0.00050 0.00050 0.00050 0.00070 0.00050 0.00005 2.44	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.00050 0.0001 0.00001 3.36 0.00050 0.00010 0.00050 0.00050 0.00050 0.00500 2.19	0.01000 0.000013 11.0 0.000500 0.000100 0.000000 0.000100 0.000100 0.000000 7.30 0.000626		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.000013 11.0 0.000500 0.000100 0.000100 0.030000 0.030000 0.005000 7.30
Calcium Chronium Cobatt Copper Iron Lead Lithium Magnesium Manganese Mercury	mgi. mgi. mgi. mgi. mgi. mgi. mgi. mgi.	0.0001 1 0.001 0.0002 0.001 0.03 0.001	0.00050 0.010 0.00017 0.000017 0.000010 0.00010 0.00010 0.00010 0.000050 0.000050 0.10	0.01 0.000017 0.05 0.005 0.0001 0.0001 0.0001 0.0001 0.0005 0.0005 0.0005 0.0005	0.010 0.00001 10.9 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000	0.010 0.00001 10.7 0.00050 0.00125 0.00125 0.00016 0.00016 0.00006 0.00000	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.010 0.00001 10.8 0.00050 0.00010 0.00089 0.00001 0.00001 0.000404 0.000001	0.00550 0.01000 0.00001 2.96 0.00050 0.00010 0.00056 0.00050 0.00056 0.00005 0.00001	0.00000 0.010 0.00001 3.76 0.00050 0.00010 0.00050 0.00070 0.00005 0.00000 2.44 0.00099	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.00050 0.010 0.00001 3.36 0.00050 0.00050 0.00058 0.00200 0.00005 0.00005 0.000005 0.000005 0.000000	0.01000 0.000013 11.0 0.000500 0.000500 0.000500 0.000500 0.000000 7.30 0.000628		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00013 11.0 0.000500 0.000500 0.000100 0.000000 0.000100 0.000000 7.30 0.000626
Calcium Chronium Cobatt Copper Iron Lead Lithium Magnesium Manganese Mercury Molybdenum	mgi. mgi. mgi. mgi. mgi. mgi. mgi. mgi.	0.0001 1 0.001 0.002 0.001 0.03 0.001 1 0.01	0.00050 0.010 0.00017 0.000017 0.00010 0.00010 0.00010 0.00010 0.00050 0.00050 0.10	0.01 0.000017 0.05 0.005 0.0001 0.0001 0.0001 0.00005 0.00005 0.0005 0.0005 0.0005	0.010 0.00001 10.9 0.000000 0.000002 0.000000 0.000000 0.000000 0.000000 0.000000	0.010 0.00001 10.7 0.00050 0.00105 0.00105 0.00016 0.00006 0.00006 0.000005 0.000050 0.000050	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.010 0.00001 10.8 0.00050 0.00010 0.00010 0.00011 0.00500 5.48 0.000404 0.00001	0.00050 0.01000 0.00001 2.96 0.00050 0.00050 0.00056 0.04700 0.00005 1.93 0.000017 0.000017	0.00000 0.010 0.00001 3.76 0.00050 0.00010 0.00050 0.00070 0.00005 0.00000 2.44 0.00059 0.00001	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.00050 0.010 0.00001 3.36 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.000050 0.000005	0.01000 0.000013 11.0 0.000500 0.000500 0.000000 0.000000 0.000000 7.30 0.000666		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00013 11.0 0.000500 0.000100 0.000100 0.000000 0.000100 0.000100 0.000000 7.30 0.000628
Calcium Chronium Cobatt Copper Iron Lead Lithium Magnesium Manganese Mercury Molybderum Nickel	mgi. mgi. mgi. mgi. mgi. mgi. mgi. mgi.	0.0001 1 0.001 0.0002 0.001 0.03 0.001	0.00050 0.010 0.00017 0.000017 0.000010 0.00010 0.00010 0.00010 0.000050 0.000050 0.10	0.01 0.000017 0.05 0.005 0.0001 0.0001 0.0001 0.0001 0.0005 0.0005 0.0005 0.0005	0.010 0.00001 10.9 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000	0.010 0.00001 10.7 0.00050 0.00125 0.00125 0.00016 0.00016 0.00006 0.00000	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.010 0.00001 10.8 0.00050 0.00010 0.00089 0.00001 0.00001 0.000404 0.000001	0.00550 0.01000 0.00001 2.96 0.00050 0.00010 0.00056 0.00050 0.00056 0.00005 0.00001	0.00000 0.010 0.00001 3.76 0.00050 0.00010 0.00050 0.00070 0.00005 0.00000 2.44 0.00099	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.00050 0.010 0.00001 3.36 0.00050 0.00050 0.00058 0.00200 0.00005 0.00005 0.000005 0.000005 0.000000	0.01000 0.000013 11.0 0.000500 0.000500 0.000500 0.000500 0.000000 7.30 0.000628		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00013 11.0 0.000500 0.000500 0.000100 0.000000 0.000100 0.000000 7.30 0.000626
Calcium Chronium Cobatt Copper Iron Lead Lithium Magnesium Manganese Mercury Molybdenum	mgi. mgi. mgi. mgi. mgi. mgi. mgi. mgi.	0.0001 1 0.001 0.002 0.001 0.03 0.001 1 0.01	0.00050 0.010 0.00017 0.000017 0.00010 0.00010 0.00010 0.00010 0.00050 0.00050 0.10	0.01 0.000017 0.05 0.005 0.0001 0.0001 0.0001 0.00005 0.00005 0.0005 0.0005 0.0005	0.010 0.00001 10.9 0.000000 0.000002 0.000000 0.000000 0.000000 0.000000 0.000000	0.010 0.00001 10.7 0.00050 0.00105 0.00105 0.00016 0.00006 0.00006 0.000005 0.000050 0.000050	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.010 0.00001 10.8 0.00050 0.00010 0.00010 0.00011 0.00500 5.48 0.000404 0.00001	0.00050 0.01000 0.00001 2.96 0.00050 0.00050 0.00056 0.04700 0.00005 1.93 0.000017 0.000017	0.00000 0.010 0.00001 3.76 0.00050 0.00010 0.00050 0.00070 0.00005 0.00000 2.44 0.00059 0.00001	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.00050 0.010 0.00001 3.36 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.000050 0.000005	0.01000 0.000013 11.0 0.000500 0.000500 0.000000 0.000000 0.000000 7.30 0.000666		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00013 11.0 0.000500 0.000500 0.000100 0.000000 0.000000 0.000500 0.000500 0.000628
Calcium Chronium Cobatt Copper Iron Lead Lithium Magnesium Manganese Mercury Molytderum Nickel	mgi. mgi. mgi. mgi. mgi. mgi. mgi. mgi.	0.0001 1 0.001 0.002 0.001 0.03 0.001 1 0.01	0.00050 0.010 0.00017 0.000017 0.00010 0.00010 0.00010 0.00010 0.00050 0.00050 0.10	0.01 0.000017 0.05 0.005 0.0001 0.0001 0.0001 0.00005 0.00005 0.0005 0.0005 0.0005	0.010 0.00001 10.9 0.000000 0.000002 0.000000 0.000000 0.000000 0.000000 0.000000	0.010 0.00001 10.7 0.00050 0.00105 0.00105 0.00016 0.00006 0.00006 0.000005 0.000050 0.000050	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.010 0.00001 10.8 0.00050 0.00010 0.00010 0.00011 0.00500 5.48 0.000404 0.00001	0.00050 0.01000 0.00001 2.96 0.00050 0.00050 0.00056 0.04700 0.00005 1.93 0.000017 0.000017	0.00000 0.010 0.00001 3.76 0.00050 0.00010 0.00050 0.00070 0.00005 0.00000 2.44 0.00059 0.00001	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.00050 0.010 0.00001 3.36 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.000050 0.000005	0.01000 0.000013 11.0 0.000500 0.000500 0.000000 0.000000 0.000000 7.30 0.000666		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00013 11.0 0.000500 0.000500 0.000100 0.000000 0.000000 0.000500 0.000500 0.000628
Calcium Chronium Cobatt Copper Iron Lead Lithium Magnesium Manganese Mercury Molybdenum Nikkel	mgi. mgi. mgi. mgi. mgi. mgi. mgi. mgi.	0.0001 1 0.001 0.001 0.001 0.001 1 0.001 0.001 0.001 0.001	0.00050 0.010 0.00017 0.050 0.00010 0.00010 0.00010 0.00010 0.00050 0.00050 0.00050 0.00050 0.00050	0.01 0.000017 0.05 0.0005 0.0001 0.0001 0.0001 0.0005 0.00005 0.00005 0.00005 0.00005 0.00005	0.010 0.00001 10.9 0.00000 0.000002 0.000000 0.000000 0.000000 0.000000 0.000000	0.010 0.0001 10.7 0.00050 0.00125 0.00125 0.00016 0.00006 0.000050 0.000050 0.000050	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.010 0.00001 10.8 0.00050 0.00010 0.00069 0.00001 0.00000 0.00001 0.00000 0.000000 0.000000 0.000000 0.000000	0.00050 0.01000 0.00001 2.96 0.00050 0.00050 0.00056 0.04700 0.00005 0.00500 1.93 0.000017 0.000017	0.00000 0.010 0.00001 3.76 0.00000 0.00010 0.00000 0.00000 0.00000 0.00000 2.44 0.00000 0.00000 0.00000 0.00000	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.00050 0.010 0.00001 3.36 0.00050 0.00010 0.00050 0.00050 0.000050 0.00006 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000	0.01000 0.000013 11.0 0.000500 0.000500 0.000000 0.000000 0.000000 7.30 0.000000 0.000000 0.000000		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00013 11.0 0.000500 0.000100 0.000100 0.000000 0.000000 0.000000 7.30 0.000000 0.000000 0.000000 0.000000 0.000000
Calcium Chromium Cobalt Copper Iron Lead Lithium Magnesium Manganese Mercury Molybdenum Nickel Phosphorus Potassium	mgi. mgi. mgi. mgi. mgi. mgi. mgi. mgi.	0.0001 1 0.001 0.001 0.002 0.001 1 1 0.001 0.005 0.005	0.00050 0.010 0.000017 0.050 0.00010 0.00010 0.00010 0.00010 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.01 0.000017 0.05 0.0005 0.0001 0.0001 0.0001 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005	0.010 0.0001 10.9 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.010 0.00001 10.7 0.00050 0.00010 0.00125 0.00010 0.00016 0.00000 0.000000 0.000000 0.000000 0.000000	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.010 0.00001 10.8 0.00050 0.00010 0.00069 0.00010 0.00001 0.00000 0.00001 0.00000 0.00001 0.000000 0.000001 0.000001	0.00050 0.01000 0.00001 2.96 0.00050 0.00050 0.00056 0.04700 0.00005 0.00000 1.93 0.000017 0.00001 0.00005	0.00050 0.010 0.00001 3.76 0.00050 0.00050 0.00050 0.00050 0.00005 0.00005 0.00005 0.00005 0.00005	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.00050 0.010 0.00001 3.36 0.00050 0.00010 0.00010 0.00050 0.00006 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000	0.01000 0.000013 11.0 0.000500 0.000500 0.000000 0.000000 7.30 0.000000 0.000000 0.000000 0.000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.00000000		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.000013 11.0 0.000500 0.000100 0.000100 0.000000 0.000000 0.000000 7.30 0.000000 0.000000 0.000000 0.000000 1.000000 0.000000 0.000000 0.000000 1.000000 0.000000 0.000000 0.000000 0.000000
Cablum Chronium Cobalt Copper Iron Lead Lithium Magneslum Manganese Mercury Molybdenum Nickel Phosphorus Potassium Selenium	mgt. mgt. mgt. mgt. mgt. mgt. mgt. mgt.	0.0001 1 0.001 0.001 0.002 0.001 1 1 0.001 0.005 0.005	0.00050 0.010 0.000017 0.050 0.00010 0.00010 0.00010 0.00010 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.01 0.000017 0.05 0.0005 0.0001 0.0001 0.0001 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005	0.010 0.0001 10.9 0.00060 0.00010 0.00062 0.00005 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000	0.010 0.0001 10.7 0.00050 0.00010 0.00125 0.00010 0.00016 0.00000 0.000000 0.000000 0.000000 0.000000	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.010 0.00001 10.8 0.00050 0.00010 0.00089 0.03000 0.00011 0.00050 5.48 0.000404 0.000050 0.00050 0.00050	0.00050 0.01000 0.00001 2.96 0.00050 0.00050 0.00056 0.00005 0.00005 0.000005 0.000005 0.000005 0.000005 0.00005 0.00005	0.00050 0.010 0.0001 3.76 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.00050 0.010 0.00001 3.36 0.00050 0.00050 0.00050 0.00500 0.00500 2.19 0.00001 0.00001 0.00001 0.00001 0.00005	0.01000 0.000013 11.0 0.000500 0.000100 0.000000 0.000100 0.000000 7.30 0.000006 0.000000 0.000100 0.000000 1.115		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.000013 11.0 0.000500 0.000100 0.000000 0.000000 0.000000 7.30 0.00002 0.000000 0.000000 0.000000 1.000000 0.000000 0.000000 1.000000 0.000000 0.000000 0.000000 0.000000
Cablum Chronium Cobalt Copper Iron Lead Lithium Magneslum Manganese Mercury Molybdenum Nickel Phosphorus Potassium Selenium Selenium Silicon	mgt. mgt. mgt. mgt. mgt. mgt. mgt. mgt.	0.0001 1 0.001 0.002 0.001 0.001 1 1 0.01 0.01 0.01 0.01 0.005	0.00050 0.010 0.000017 0.050 0.00010 0.00010 0.00010 0.00010 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.01 0.000017 0.05 0.0005 0.0001 0.0001 0.0001 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005	0.010 0.0001 10.9 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000	0.010 0.00001 10.7 0.00000 0.00010 0.00125 0.00010 0.00016 0.00000 5.42 0.000259 0.000053 0.000005	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.010 0.00001 10.8 0.00050 0.00010 0.00089 0.03000 0.00011 0.00050 5.48 0.000404 0.00005 0.00050 0.00050 0.00050	0.00050 0.01000 0.00001 2.96 0.00050 0.00050 0.00056 0.00050 0.00005 0.00005 0.000005 0.000005 0.000005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005	0.00050 0.010 0.0001 3.76 0.00050 0.00010 0.00059 0.00070 0.00005 0.00005 0.00009 0.00009 0.00009 0.00009 0.00001 0.00009 0.00001 0.00000	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.00050 0.010 0.00001 3.36 0.00050 0.00010 0.00050 0.00050 0.00520 0.00005 0.00005 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000	0.01000 0.000013 11.0 0.000500 0.000100 0.000000 0.000100 0.000000 7.30 0.000000 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.000013 11.0 0.000500 0.000100 0.000100 0.000000 0.000000 7.30 0.00002 0.000010 0.000010 0.000010 1.155 0.00100 0.00100 0.00100 0.00100
Cablum Chromium Chromium Cobalt Copper Iron Lead Lithium Magneslum Manganese Mercury Molybdenum Nickel Phosphorus Potassium Selenium Silicon Siliver	mgt. mgt. mgt. mgt. mgt. mgt. mgt. mgt.	0.0001 1 0.001 0.001 0.002 0.001 1 1 0.01 0.001 0.001 0.001	0.00050 0.010 0.000017 0.050 0.000010 0.000010 0.00010 0.000050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.01 0.000017 0.000 0.0005 0.0001 0.0001 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005	0.010 0.0001 10.9 0.00060 0.00060 0.00062 0.00006 0.00006 0.000060 0.000060 0.000060 0.000060 0.000060 0.000060 0.000060 0.000060 0.000060 0.000060 0.000060 0.000060	0.010 0.00001 10.7 0.00000 0.00000 0.00010 0.00010 0.00000 0.000000 0.000000 0.000000 0.000000	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.010 0.00001 10.8 0.00050 0.00010 0.00089 0.03000 0.00011 0.00500 5.48 0.000404 0.00005 0.00050 0.00050 0.00050 0.00050 0.00050	0.00050 0.01000 0.00001 2.96 0.00050 0.00050 0.00050 0.00056 0.00005 0.00000 1.93 0.00001 0.00001 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005	0.00050 0.010 0.0001 3.76 0.00050 0.00050 0.00050 0.00050 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.00050 0.010 0.00001 3.36 0.00050 0.00010 0.00050 0.00005 0.00520 0.00005 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000	0.01000 0.000013 11.0 0.000500 0.000100 0.000000 0.000100 0.000000 7.30 0.000000 0.000000 0.000100 0.000000 1.115 0.000000 0.001370		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.000013 11.0 0.000500 0.000100 0.000000 0.000000 0.000000 7.30 0.00002 0.000010 0.000010 0.000010 0.000010 0.000010
Cablum Chronium Chronium Cobatt Copper Iron Lead Lithium Magnesium Manganese Mercury Molybdenum Nickel Phosphorus Potassium Selenium Silicon Silver	mgt	0.0001 1 0.001 0.001 0.001 0.001 1 1 0.001 0.001 0.001 0.005 0.005	0.00050 0.010 0.000017 0.050 0.000010 0.000010 0.00010 0.000050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.01 0.00017 0.05 0.0005 0.0001 0.0001 0.0001 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005	0.010 0.0001 10.9 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000	0.010 0.0001 10.7 0.00050 0.00010 0.00125 0.00010 0.00016 0.00050 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.010 0.00001 10.8 0.00050 0.00010 0.00089 0.00011 0.00500 5.48 0.000404 0.00005 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.00050 0.01000 0.00001 2.96 0.00050 0.00050 0.00056 0.00056 0.00005 0.000005 0.000001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001	0.00050 0.010 0.0001 3.76 0.00050 0.00010 0.00059 0.00070 0.00005 0.00005 0.00005 0.00005 0.00005 0.00006	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.00050 0.010 0.00001 3.36 0.00050 0.00010 0.00050 0.00005 0.00000 2.19 0.00001 0.00005 0.00000 0.00000 0.00000 0.00000 0.000000	0.01000 0.000013 11.0 0.000500 0.000100 0.000000 0.000100 0.000000 7.30 0.000000 0.000010 0.000010 0.000000 1.15 0.000000 1.15 0.000000 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.000013 11.0 0.000500 0.000500 0.000100 0.000000 0.000000 7.30 0.000020 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010
Cablum Chronium Chronium Cobatt Copper Iron Lead Lithium Magnesium Manganese Mercury Molybdenum Nickel Phosphorus Potassium Selenium Sileon Silver Sodium Stronium Thailum	mgt	0.0001 1 0.001 0.002 0.001 0.001 1 1 0.001 0.001 0.001 0.005 0.005 0.001 0.001 0.0001	0.00050 0.00017 0.050017 0.050017 0.050010 0.00010 0.00010 0.000050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.01 0.00017 0.05 0.0005 0.0001 0.0001 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005	0.010 0.0001 10.9 0.00060 0.00060 0.00062 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060	0.010 0.0001 10.7 0.00050 0.00010 0.00125 0.00010 0.00016 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.010 0.00001 10.8 0.00050 0.00010 0.00010 0.00001 0.00000 0.00001 0.00000 0.00001 0.00000 0.00001 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000	0.00050 0.00001 2.96 0.00050 0.00050 0.00050 0.00056 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005 0.00005	0.00050 0.010 0.0001 3.76 0.00050 0.00010 0.00059 0.00050 0.00005	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.00050 0.010 0.00001 3.36 0.00050 0.00050 0.00050 0.00005 0.000050 0.00005	0.01000 0.000013 11.0 0.000000 0.000100 0.000100 0.000000 7.30 0.000000 0.000101 0.000010 0.000100 0.000100 0.000100 0.000100 0.000100 0.000100 0.000000 0.0001000 0.0000000 0.0000000 0.0000000 0.000000			0.000013 11.0 0.000500 0.000500 0.000100 0.000000 7.30 0.000000 0.000000 1.155 0.000010 0.000010 0.0000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010
Calcium Chronium Cobatt Copper Iron Lead Lithium Magnesium Manganese Mercury Molybdenum Nickel Phosphorus Potassium Selenium Silicon Silver Sodium Stronium Thallium	mgi. mgi. mgi. mgi. mgi. mgi. mgi. mgi.	0.0001 1 0.001 0.001 0.001 0.001 1 1 0.001 0.001 0.001 0.005 0.005	0.00050 0.010 0.00017 0.050 0.00050 0.00050 0.00010 0.00010 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.01 0.00017 0.000 0.0005 0.0001 0.0001 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005	0.010 0.0001 10.9 0.00060 0.00060 0.00062 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060	0.010 0.0001 10.7 0.00050 0.00010 0.00125 0.00010 0.00016 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.010 0.00001 10.8 0.00050 0.00010 0.00010 0.00001 0.00000 0.00001 0.00000 0.00001 0.00000 0.00001 0.00000 0.00000 0.00000 0.000000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000	0.00050 0.01000 0.00001 0.00001 0.00000 0.00000 0.00000 0.000000 0.000000	0.00050 0.010 0.00011 3.76 0.00050 0.00010 0.00059 0.00050 0.00005 0.00005 0.00005 0.00005 0.00009 0.00001 0.00005 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.00050 0.010 0.00001 3.36 0.00050 0.00050 0.00050 0.00050 0.00005	0.01000 0.000013 11.0 0.000000 0.000000 0.000100 0.000000 7.30 0.000000 0.000100 0.00170 1.15 1.15 0.001000 0.823000 0.4822 0.000750 0.000100			0.00013 11.0 0.000500 0.000100 0.000100 0.000000 7.30 0.000000 0.000000 1.155 0.000010 0.000100 0.000010 0.000100 0.000100 0.000100 0.000100 0.000100 0.000100 0.000100 0.000100 0.000100
Calcium Chronium Cobatt Copper Iron Lead Lithium Magnesium Manganese Mercury Molybdenum Nickel Phosphorus Potassium Selenium Silicon Silver Sodium Stronium Thalium Tin	mgi. mgi. mgi. mgi. mgi. mgi. mgi. mgi.	0.0001 1 0.001 0.002 0.001 0.001 1 1 0.001 0.001 0.001 0.005 0.005 0.001 0.001 0.0001	0.00050 0.010 0.00017 0.050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.01 0.00017 0.05 0.0005 0.0001 0.0001 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005	0.010 0.0001 10.9 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060	0.010 0.0001 10.7 0.00050 0.00010 0.00125 0.00010 0.00016 0.000050	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.010 0.00001 10.8 0.000010 0.000010 0.000010 0.000010 0.000011 0.00500 5.48 0.000010 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001	0.00050 0.01000 0.00001 0.00001 0.00000 0.00000 0.00000 0.000000 0.00000 0.00000 0.000000	0.00000 0.010 0.0001 0.00010 0.00010 0.00000	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.00050 0.010 0.0001 0.00001 0.00001 0.00050 0.00050 0.00005 0.00005 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000	0.01000 0.00013 11.0 0.000500 0.000100 0.000100 0.000100 0.000010 0.000100 0.00100 0.00100 0.00100 0.00100 0.00100 0.00100 0.001000 0.000100 0.000100 0.000100 0.000100 0.000100 0.000100 0.000100 0.000100 0.000100 0.000100			0.000013 11.0 0.000500 0.000100 0.000000 0.000000 7.30 0.000000 0.000000 1.155 0.000010 0.000000 0.000000 0.000000 0.000000 0.000000
Cablum Chromium Cobatt Copper Iron Lead Lithium Magnesium Mangnesium Mercury Molybdenum Nickel Phosphorus Potassium Selenium Silicon Silver Sodium Stronium Thallium Tin Titanium Uranium	mgi. mgi. mgi. mgi. mgi. mgi. mgi. mgi.	0.0001 1 0.001 0.002 0.001 0.003 0.001 1 0.001 0.005 0.005 0.001 0.001 0.001 0.001	0.00050 0.00010 0.000010 0.000010 0.000000 0.000000 0.000000 0.000000 0.000000	0.01 0.000017 0.005 0.00005 0.00001 0.0001 0.00005	0.010 0.00001 10.9 0.000000 0.000000 0.000000 0.000000 0.000000	0.010 0.0001 0.00010 0.00010 0.00010 0.00010 0.00010 0.00000 0.000000 0.00000000	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.010 0.00001 10.8 0.000010 0.000010 0.000010 0.000010 0.000011 0.00500 5.48 0.000010 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001	0.00050 0.01000 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001	0.00000 0.0010 0.00011 3.76 0.00001 0.00010 0.00001 0.00000 0.00000 0.00000 2.44 0.00000 0.00000 0.00000 0.00000 1.150 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.00050 0.010 0.0001 0.00001 0.00001 0.00050 0.00050 0.00005 0.00005 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000	0.01000 0.00013 11.0 0.000000 0.000000 0.000000 0.000000 0.000000			0.000013 11.0 0.000500 0.000100 0.000100 0.000000 0.000000 0.000000 0.000000 0.000000
Calcium Chronium Cobatt Cooper Iron Lead Lithium Magnesium Manganese Mercury Molybdenum Nickel Phosphorus Potassium Selenium Silicon Silver Sodium Stronium Thallium Tin	mgi. mgi. mgi. mgi. mgi. mgi. mgi. mgi.	0.0001 1 0.001 0.002 0.001 0.001 1 1 0.001 0.001 0.001 0.005 0.005 0.001 0.001 0.0001	0.00050 0.010 0.00017 0.050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050 0.00050	0.01 0.00017 0.05 0.0005 0.0001 0.0001 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005	0.010 0.0001 10.9 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060 0.00060	0.010 0.0001 10.7 0.00050 0.00010 0.00125 0.00010 0.00016 0.000050	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.010 0.00001 10.8 0.000010 0.000010 0.000010 0.000010 0.000011 0.00500 5.48 0.000010 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001	0.00050 0.01000 0.00001 0.00001 0.00000 0.00000 0.00000 0.000000 0.00000 0.00000 0.000000	0.00000 0.010 0.0001 0.00010 0.00010 0.00000	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.00050 0.010 0.0001 0.00001 0.00001 0.00050 0.00050 0.00005 0.00005 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000	0.01000 0.00013 11.0 0.000500 0.000100 0.000100 0.000100 0.000010 0.000100 0.00100 0.00100 0.00100 0.00100 0.00100 0.00100 0.001000 0.000100 0.000100 0.000100 0.000100 0.000100 0.000100 0.000100 0.000100 0.000100 0.000100			0.000013 11.0 0.000500 0.000100 0.000000 0.000000 7.30 0.000000 0.000000 1.155 0.000010 0.000000 0.000000 0.000000 0.000000 0.000000



NOTES:

- 1. METHOD DETECTION LIMITS CAN VARY FOR INDIVIDUAL SAMPLES BASED ON TURBIDITY. MDLS LISTED IN THIS TABLE ARE THE GENERAL MDL VALUES PROVIDED BY THE LABORATORY.
- 2. IN-SITU DATA PROVIDED BY KNIGHT PIESOLD LTD. NORTH/SOUTH CONSULTANTS INC.
- 3. FOR STATISTICAL PURPOSES, WHERE A RESULT WAS REPORTED AS BELOW THE METHOD DETECTION LIMIT, THE "<" SYMBOL WAS REMOVED AND THE RESULT WAS CONSIDERED TO BE EQUAL TO THE METHOD DETECTION LIMIT. THE RESULT IS SHOWN IN RED ITALICIZED FONT.
- 4. WHERE THERE WERE TWO SETS OF LABORATORY RESULTS FOR A SITE, ONLY THE NUMBER OF SAMPLES AND A LAKE-WIDE MEAN WERE CALCULATED. IF ONLY ONE SET OF DATA EXISTS FOR A SITE, NO STATISTICS WERE CALCULATED.
- 5. SAMPLES ANALYZED BY EXOVA ACCUTEST LABORATORIES AND ALS VANCOUVER.
- 6. HOLDING TIMES FOR SPECIFIC GENERAL PARAMETERS WERE EXCEEDED FOR VARIOUS SAMPLES IN JULY 2008. WHERE THE GENERAL PARAMETERS WERE RE-SAMPLED, THE MOST RECENT GENERAL RESULTS WERE USED IN CONJUNCTION WITH THE METALS ANALYZED IN JULY.
- 7. WHERE THERE WAS NO BOAT ACCESS, SAMPLES WERE COLLECTED FROM SHORE.
- 8. **BOLDED** VALUES INDICATE RESULTS ABOVE THE RESPECTIVE CCME GUIDELINES.
- 9. WHERE THE LABORATORY REPORTED METALS AS µg/L, RESULTS HAVE BEEN CONVERTED TO mg/L.
- 10. WATER QUALITY GUIDELINE LIMITS FOR TOTAL AMMONIA ARE DEPENDENT UPON BOTH TEMPERATURE AND pH, SEE THE CCME GUIDELINES FOR MORE DETAILS.
- 11. ALUMINUM (AI) GUIDELINES LIMITS ARE DEPENDENT UPON ph. THE LOWER LIMIT OF 0.005 mg/L CORRESPONDS TO A ph of <6.5, THE UPPER LIMIT OF 0.1 mg/L CORRESPONDS TO A ph of >= 6.5.
- 12. FOR THE PURPOSE OF STATISTICAL CALCULATIONS, LABORATORY RESULTS THAT ARE CONSIDERED TO BE OUTLIERS (UNUSUALLY HIGH OR LOW) WERE REMOVED FROM THE DATA.
- 13. THE NUMBER OF SIGNIFICANT DIGITS SHOWN ON THE CALCULATED STATISTICS ARE THE SAME AS THE ONES ON THE PARAMETER WITH THE MOST SIGNIFICANT DIGITS.

I:\1\02\00181\30\A\Report\Report 5, Rev 0 - Aquatic Program Summary Report\Tables\[Table 3.7_LakeStats_Updated.xis]NOTES

0	22DEC`11	ISSUED WITH REPORT NB102-181/30-5	ML	AJ	SRA
REV	DATE	DESCRIPTION	PRFP'D	CHK'D	APP'D



TABLE 3.8 BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT SURFACE WATER AND SEMBINITY OUALITY BASELINE REPORT SEDIMENT QUALITY DATA SUMMARY STATISTICS

Sample ID	Sample Date Medistree TKN TOC NO2 NO3 NO3	100 100 0.01 1 1 1 1 1 1 1 1 1 1		Cr Cu Fe K Mg Mn Mo Na Ni P T T	Per PB SD
Upstram of Deposits 50-01 50-00-5 50	12-Aug-05 19-2 0.00 0.01 0.01 1-Sep-06 0.00 0.00 1-Sep-07 1 0.01 0.01 0.00 1 1-1 1 1 1 1 2 1 1 1 1 1 1 3 1 1 1 1 1 1 1	1.00 2.00 1.00 1.00 0.01 1.00 2.00 100.00 100.00 0.01	0.10 0.10 100000 0.86 0.90 0.00 0.10 0.30 584.00 0.01 1.00.00 0.00 1.00 0.00 1.00 0.00 1.00 0.00 1.00 0.00 1.00 0.00 1.00 0.	33 3 2880 353 1440 77 0 1 887 11 100 0 1 1 2 2 2 2 2 7 2 2 7 2 2 2 2 2 2 3 1 2 3 3 3 3 3 3 3 3 3 3 3	13 04 0.5 1 13 130 0.7 4.5 4.0 99.7 0.1 0.3 10 0.7 4.5 4.0 99.7 0.1 0.3 10 0.7 4.5 4.0 99.7 0.1 0.3 10 0.7 4.5 4.0 99.7 0.1 0.3 10 0.7 4.0 99.7 0.1 0.3 10 0.7 4.0 99.7 0.1 0.3 10 0.7 4.0 99.7 0.1 0.3 10 0.7 4.0 99.7 0.1 0.3 10 0.7 4.0 99.7 0.1 0.7 4.0 99.7 99.7 0.1 0.7 4.0 99.7
10045 1004	29-Abg/11 132 007 018	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.2	7 1 1 1 1 1 1 1 1 1	2 2 1 1 1 3 3 1 1 8 5 96 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
\$1.50% \$ 1.50%	1-Sep11 182 007 0.10	3 3 3 2 2 3 3 3 2 2 100% 100% 100% 100% 1000% 100000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 1	0.1	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	2
April	16,87	100 150 0.01	0f 0.0 f 360 0.36 3 2.2 5 0.3 360 0.000 0.5 4 1 2 2000 0.5 8.4 1 2 2000 0.5 8.4 1 1 2 2.2 2.5 0.3 300 0.000 0.5 8.4 1 2	1	05 200 100 100 100 100 200 800 100 100 100 100 100 100 200 100 100 1
Description Lies Priot 2 US Description Lies Priot 2 US Number of basis Number of basis Number of basis Prior Lies Prior Lies Prior Lies Prior Lies Prior Lies Prior Lies Prior Lies Prior Lies Tributaries of Camp Lake 5 - 01 Tributaries of Camp Lake 5 - 01 Camp Lies Prior US Camp Lies Prior U	1-Sep 07 0.08	4 4 7 7 6	6.1 6.2 2000 7 0.5 9 1 160 0.5 2 6.1 6.2 200 18 0.5 2.2 1 1900 0.5 3.0 9 1 6.2 2.2 1 1990 0.5 3.0 10 0 <td> 28</td> <td>01 200 00 040 020 100 170 1400 020 620 620 666</td>	28	01 200 00 040 020 100 170 1400 020 620 620 666
0-01-S 0-01-Sea 0-01-Sea 0-01-Sea 0-01-Sea Number of alone Number of annyles Number of Detects Personality of Detects National Na	3 4 7 3 3 3 3 1 100 100 100 100 100 100 100 1	1,00	109% 109%	\$\\ \begin{array}{c c c c c c c c c c c c c c c c c c c	0: 3 1 1 5 7 21 10 96 2 2 2 11 1 1 1 1 1
ILD 0.5 ED Interest of biss Number of orbits Number of Descis Percentage of Descis Interest of Descis	5-Sepo 6 0.07 1-Sepo 7 0.12 1.15 1-Sepo 7 0.02 0.15 1-Sepo 7 0.03 0.16 1-Sepo 7 0.03 0.16 1-Sepo 7 0.03 0.17 1-Sepo 7 0.03 0.17 1-Sepo 7 0.03 0.17 1-Sepo 7 0.03 0.10	2 2 7 7 7 2 2 2 7 7 100% 100% 100% 100% 100% 100 1.00 1.00	6.1 6.2 13900 3.9 1.8 8.3 1 41400 0.5 14 6.1 6.2 13900 5.1 1.3 1.8 3.3 2.5 3.37 2.5 3.37 2.5 3.37 2.5 3.37 2.5 3.37 2.5 3.37 2.5 3.37 2.5 3.37 2.5 3.37 2.5 3.37 2.5 3.37 2.5 3.5 1.5 8.6 1.1 3.000 2.5 1.5 6.1 1.5 1.9 1.7 1.57 0.5 4 5.5 5 5 5 5 5 5 5 5 5 5 5 5 6 7 <t< td=""><td>98 30 48590 2050 15700 832</td><td> 13</td></t<>	98 30 48590 2050 15700 832	13
Number of sines Number of sines Number of Desces Number o	6 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	5 5 5 6 6 6 6 6 6 100% 100% 1.00 1.00 1.00 1.00 1.00 1.00	5	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
DLO-01-6-Sed DLO-01-7-Sed DLO-01-7-Sed	3-Sep 07 819 066 1 158-pts	9 9 13 13 3 9 9 13 13 3 100% 100% 100% 100% 100% 1000 1.00 3.00 1.00 1.00 1.00	0.1 0.2 8270 1.8 1.0 2.4 1 1.770 0.8 7 0.1 0.62 0.00 1.9 1.9 3.0 1 1.770 0.0 2.5 1.0 0.2 1.00 0.3 1.1 0.0 0.5 1.5 1 2.79 0.3 1 1.0 0.5 1.5 1 1.00 0.3 1.1 0.0 0.5 1.3 1 1.00 0.3 1.1 1.0 0.0 0.3 1.1 1.0 0.0 0.3 1.1 1.0 0.0 0.3 1.1 1.0 0.0 0.3 1.1 1.0 0.0 0.3 1.1 1.0 0.0 0.3 1.1 1.0 0.0 0.3 1.1 1.0 0.0 0.3 1.1 1.0 0.0 0.3 1.1 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	37 15 17400 1110 6410 288 7 120 43 500 0.0	07 8 1 1 6 1 23 28 74 22 3



TABLE 3.8 BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT SURFACE WATER AND SEMBINITY OULSITY BASELINE REPORT SEDIMENT QUALITY DATA SUMMARY STATISTICS

																				ARY STAT																						Print Dec(23)11 8-3
Sample ID		oisture T	KN TOC	NO2 as N %	NO3	Nitrite		trate	Nitrite	Nitrato			Ag	Al P9/9	As		Ba Be	Bi	Ca µg/g	Cd	Co µg/g µ	Cr C	u F	e .	к	Mg	Mn N	Λο Na g/g μg/s	Ni	P	TP	Pb	Sb Sc	Sn	Sr	Ti 1	i v	Zn	Sand >0.050mm) ⁴	(>0.002-0	ilt	Clay (<=0.002mm)
Sheardown Lake S.E.	70	76	76 76	as N %	as N %	ppm as r	N ppm	nas N	pgig as N	µg/g as	N as N 7	y pg/g	1999	1999	1999	P9'9	P9/9 P9	9 H9/9	1 1999	h9/9	P9/9 F	P9/9 P6	91 1 199	9'9	1999	199	P9/9 PI	9/9 19/9	1 hana	h8 _i 8	76	P9/9	199 P99	9 1999	P9/9 I	P9/9 P6	19 19/9	P9/9 (>0.050mm) *	6 (>0.002-0	.usumm) %	(<=0.002mm)
DL0-02-1-Sed-Mean1	8-May-07	0	.10 0.89						1	- 1		0.1	0.42	12700			69 1			0.5	13					13767		1 327		1000	0.10	16	1 1		20		48		25		1	14
DL0-02-1-Sed-Mean2 DL0-02-2-Sed	3-Sep-07 3-Sep-07	_	.09 0.80 .09 0.82				+		1	1		0.1	0.42	12533 13700	1.4		65 f 68 f	+	9560 8640	0.5			24 301 22 322	-			430 393	1 397 1 323		1000	0.10	14	1 1	+	12	-		50 51	23 24		i3 i0	14 16
DL0-02-3-Sed	3-Sep-07		01 0.03						1	23		0.1	0.42	4330	1.0		22 1				5	31 7	7 112	200	880	3970	218	1 123	25	700		4	1 2		4			19	95	_	f	4
DL0-02-4-Sed Number of sites	3-Sep-07		4 4	+	+		+	\dashv	4	1 4	+	0.1 4	0.42 4	17200 4	1.7		92 1	+		0.5 4	12		33 331			11500 4	561 4	2 378	57		0.13 4	18	1 1	+	12	+	56	58 4	40	+	4	20 4
Number of samples			5 5						5	5		5	5	5	5		5 5		5	5	5	5 5	5 5			5	5	5 5	5	5	5	5	5 5		5		5 5		5	_	5	5
Number of Detects Percentage of Detects	-		5 5				+		5	5 100%		5	5	5	5		5 5		5		5 100% 1					5		5 5		5 100%	5 100%		5 5		5		5 5		5		4	5 100%
Minimum			.01 0.03						1.00	1.00		0.10	0.42	4330.00	1.00	0.50	2.00 1.0	0	2040.0	0 0.50	5.00 3	1.00 73	.00 112	200 8	80.00 3	3970.00	218 1.	.00 123.0	0 25	700	0.07	4.00	1.00 1.0	0	4.00	1.	00 18.00	19.0	23.00		ID	4.00
Maximum Detected		0	.46 5.70		_		+		1.00	23.00 5.40				17200.00 12092.60					9560.00	0 0.50	13.00 8	0.00 33	331	100 45	570.00 1	3767.00	561 2.	.00 397.0	0 66	1300	0.13	18.00	1.00 2.0		20.00		00 56.00		95.00 41.40		.00	20.00 13.60
RFC-GIT			.15 1.65						1.00	5.40		0.10	0.42	12092.60	1.56	1.04	13.20 1.0	<u> </u>	6572.0	0 0.50	10.60	6.00 22	276	627 3	128.00	1260.60	393 1.	20 309.6	63	980	0.10	13.40	1.00 1.2		11.00		00 42.20	44.4	41.40	-	.00	13.60
Sheardown Lake Nearshore Dust Monitoring		1.	I				_				_							_				T		[96							_						_		
DD-Hab 4-Stn 1 DD-Hab 4-Stn 2	12-Sep-08 12-Sep-08		.02 0.10			1		4	1	4		0.1	0.2	2160 3420	1.0	0.5	11 1	-		0.5	4								16	200 300	0.02	4	1 1	+	4	- 1	1 17	15	95 94		2	4
DD-Hab 4-Stn 3	12-Sep-08		.02 0.09			1	_	4	1	4		0.1	0.2	1430	1.0	0.5	5 1		1110	0.5	2	6 2	2 36	500	295	1470	47	1 100	4	100		2	1 1	\blacksquare	2		6	8	97		1	2
Number of sites Number of samples			3 3			3	_	3	3	3		3	3	3	3	3	3 3	+	3	3	3	_	3 3	_	3	3	3		3	3	3	3	3 3	+	3	- 1	3 3	3	3		3	3
Number of Detects			3 3			3		3	3	3		3	3	3	3	3	3 3		3	3	3	3 :	3 3	3	3	3	3	3 3	3	3	3		3 3		3		3 3		3		2	2
Percentage of Detects Minimum			.02 0.09	-	-	100%			1.00%	100% 4.00			100%	100%	100%		00% 100 5.00 1.0				2.00 €		0% 100	0% 1	100%	100%	100% 10	.00 100.0	6 100%	100%	100%		1.00% 1.00		2.00		0% 100%		100%		r% 00	67% 1.00
Maximum Detected		0	.02 0.17			1.00	4.	.00	1.00	4.00		0.10	0.20	3420.00	1.10	0.50	1.00 1.0	0	4680.00	0 0.50	4.00 2	1.00 73	.00 890	920 7	r03.00 5	5570.00	141 1.	.00 146.0	16	300	0.03	4.00	1.00 1.0	0	4.00	1.	00 17.00	15.0	97.00	4	00	4.00
Mean		0	.02 0.12	1		1.00	4.	.00	1.00	4.00	-	0.10	0.20	2336.67	1.03	0.50	8.00 1.0	0	2506.6	7 0.50	2.67 1	4.33 4.	.33 56	550 4	67.00 3	3153.33	95 1.	.00 129.0	11	200	0.02	2.67	1.00 1.0	0	2.67	1.	00 10.00	10.7	95.33	2	33	2.33
Sheardown Lake Offshore Dust Monitoring		_								-								-													_											1
DD-Hab 9-Stn 1	12-Sep-08		.33 3.83			1		3	1	3		0.1	0.2	9580 11600	3.4		41 1		3840 3180	0.5	11	40 2 71 3	29 227	700	2010	7280	255	2 200	37	600	0.06	9	1 1		6			40 55	92 58		7	1
DD-Hab 9-Sin 2 DD-Hab 9-Sin 3	12-Sep-08 12-Sep-08		.36 2.86 .41 4.07		+	1	1	4	1	4	_	0.1	0.2	14700			224 1					68 4	39 338 11 522	200	3450	9660 9730	2230 1 1340	7 312	67 59	1300	0.09	15	1 1	$\pm \pm$	9	_		60	58 82		0	25 8
Number of sites			3 3	0	0	3		3	3	3		3	3	3	3		3 3	0	3	3	3	3 3	3 3	3	3	3	3	3 3	3	3	3	3	3 3		3		3 3		3		3	3
Number of samples Number of Detects	+ +		3 3	0	0	3	_	3	3	3	0	3	0	3	3	3	3 3	0	3	0						3	3	3 3		3	3	3	3 3		3	_	3 3	_	3		3	3
Percentage of Detects		10	100%	6 -	-	0%	10	00%	0%	100%		0%	0%	100%	100%	100%	00% 33	۰ ۵	100%	0%	100% 1	00% 10	10%	0% 1	100%	100%	100% 10	10% 1005	6 100%	100%	100%	100%	0% 09		100%	- 0	% 100%	100%	100%		0%	67%
Minimum Maximum Detected	+ +		.33 2.86	_	-	ND ND		.00	ND ND	3.00 4.00		ND ND		9580.00 14700.00							11.00 4		i.00 227	700 20 200 34	010.00 7 450.00 9	7280.00 9730.00	255 2. 2230 11	.00 200.0	0 37 0 67	600 1300	0.06		ND NE		6.00 9.00		D 30.00		58.00 92.00		.00	ND 25.00
Mean			.37 3.59			-		.33		3.33		-		11960.00																					7.33		39.33		77.33		.67	11.33
Sheardown Lake Tributary								[ш	Ш		ш	[1							[ш		ш								
SDLT1-R1-Sed	10-Sep-08		.01 0.07			f		4	1	4		0.1		3240					14400	0.5	5	54 1	10 117	700	536	9980	305	1 116	36	200	0.02	3	1 1	П	10			23	97		1	2
SDLT1-R2A-Sed SDLT1-R4-Sed	10-Sep-08 11-Sep-08		.07 0.95		-	1	+	4	1	4	+	0.1		3220 15800			16 1	-			3 18 1			100			128	1 100	23	100 300	0.01	5 13	1 1	+1	2	+		22 68	97 94	1	4	2
Number of sites	11-042-00		3 3	_	0	3		3	3	3	0	3	3		3			0										3 3			3	_	3 3	0	3	0 :	3 3		3		3	3
Number of samples Number of Detects			3 3	0	0	3		3	3	3	0	3	3	3	3		3 3	0	3	3	3	_				3	3	3 3	_	3	3	3	3 3		3		3 3	3	3		3	3
Percentage of Detects			00% 100%			0%	10	00%	0%	100%			0%	100%				6 -		33%	100% 1		10%	0% 1	100%	100%	100% 33	3% 67%	100%	100%	100%		0% 09		100%		% 100%	100%	100%	3	3%	100%
Minimum			.01 0.07			1.00			1.00	4.00									1890.0	0 ND	3.00 2	3.00 10	1.00 101	100 5	36.00 3	3100.00	128 N	ID ND	23	100	0.01	3.00	ND NE		2.00		D 9.00		94.00		ID	2.00
Maximum Detected Mean			.07 0.95 .05 0.53		-	1.00		.00	1.00	4.00		ND .		15800.00 7420.00					6493.3	3 -	18.00 12 8.67 6	7.00 22	1.00 263	300 14 033 8	440.00 13 859.67 10	0126.67	232	- 144.0	10 119	200	0.03				10.00 5.33		D 40.00		97.00 96.00	4	-	2.00
·																																										
Steensby Inlet Lake ST3 ST3	2-Sep-08	2	.25 23.2	1 1		1	4	52	1	452	1	0.1	0.2	4030	2.0	21.8	26 1	т-	10900	0.5	5	73 4	165	500	1620	4380	63	7 704	33	1000	0.1	5	1 1		34	-	28	43	IS	1	s	IS
Number of sites			1 1	0	0	1		1	1	-1	0	1	1	-1	1		1 1	0	-1	1	1	1 1	1 1		1	1	1	1 1	1	1	1	1	1 1	0	1	0 .	1 1	-1	0		0	0
Number of samples			1 1	0	0	1		1	1	1	0	1	1	1	1	1	1 1	0	1	1	1	1 1	1 1	1	1	1	1	1 1	1	1	1	1	1 1	0	1	0	1 1	1	0		0	0
Steensby Inlet Lake ST6																																										
ST6 Number of sites	1-Sep-08		0 1	0	0	1		5	0	0	0	0.1	0.2	7470	3.0	11.2	54 1	0	7530	0.5	7	40 6	59 201 1 1	100	1730	5720 1	120	5 876	18	1600	0.16	7	1 1	0	25	0 .	35	63 1	84		1	8
Number of samples			0 1	0	0	1		1	0	0	0	1	1	1	1	1	1 1	0	1	1	1	1 1	1 1	1	1	1	1	1 1	1	1	1	1	1 1	0	1	0	1 1	1	1		1	1
Steensby Inlet Lake ST24																																										
ST24	2-Sep-08	1	.09 9.28			f	_	14			_	_	0.6	10000	-	_	_							700				4 841	45	1500	0.15	173	1 1		25	_	54	_	IS		s	IS
Number of sites Number of samples			1 1	0	0	1		1	0	0	0	1 1	1 1	1	1 1	1	1 1	0	1	1 1	1	1 1	1 1	1	1	1 1	1	1 1	1	1	1 1	1 1	1 1	0	1	0 .	1 1	1	0		D D	0
·		'															- 1			_			_				- 1		-		_		_ '							-		
Steensby Inlet Lake ST28 ST28	8-Sep-08		.94 11.20			1	1 4	47		_		0.2	0.2	11100	3.7	14	73 1	1	5620	0.5	9	28 5	54 291	100	3620	7670	196	5 872	22	1400	0.14	10	1 1		15		45	87	74	_	7	19
Number of sites	осерос		1 1		0	1		1	0	0	0			1				0			1	1 1				1		1 1		1400		1	1 1	0	1	0	1 1		1		1	1
Number of samples			1 1	0	0	1		1	0	0	0	1	1	1	1	1	1 1	0	1	1	1	1 1	1 1	1	1	1	1	1 1	1	- 1	1	1	1 1	0	1	0	1 1	1	1		1	1
Steensby Inlet Lake ST92																																										
ST92 Number of sites	3-Sep-08		0.94	0	0	1	-	4	0		0	0.1	0.2	5810	1.0	1.8	41 1		4750	0.5	5	24 1	11 233	300	2090	5190	124	1 301	11	1500	0.15	6	1 1	0	11	0	41	36	38		10	12
Number of samples			1 1	0	0	1		1	0	0	0	1	1	1	1	1	1 1	0	1	1	1	1 1	1 1	1	1	1	1	1 1	1	1	1	1	1 1	0	1	0 .	1	1	1		1	1
Steensby Inlet Lake ST88																																										
ST88	3-Sep-08	0	.04 1.22	1 1	1	f		5		Г	Т	0.1	0.2	7140	1.0	0.9	59 1	1	4620	0.5	7	63 1	17 253	300	2480	5910	150	1 235	27	1100	0.11	6	1 1	$\overline{}$	12		40	43	69	1	13	8
Number of sites Number of samples			1 1	0	0	1		1		0	0	1			1		1 1	0	1	1	1	1 1	17 253			1	1	1 1	1	1	1	1	1 1	0	1	0	1 1	-1	1		1	1
rvanious Of Silliphos			- 1 1		U	,	_	• 1	U		0	1		' '		- 1	. 1	1 0	,	1 1		' '	. 1 1				- 1	. 1	+ '	<u> </u>	' '	1 1	- 1	0	- 1	J	. 1		1			
Steensby Inlet Lake ST81	2.Sr- on		.01 0.19			-				_	_		0.5	2250		0.5	12 1	_	2/**		-	10	e T	700	63C	4790	51					-	, 1		, ,		31	49	94			
ST81 Number of sites	3-Sep-08		.01 0.19 1 1	0	0	1		1	0	0	0	1	1	2350	1.0	1	13 1	0			3		6 137 1 1			1730	51 1	1 1	1	700	0.07	1		0	1	0	1 1	_	1	\vdash	1	1
Number of samples			1 1		0	1		1	0	0			1		1	1	1 1					1 1	1 1	1	1	1	1	1 1	1	1	1	1	1 1			0	1 1		1		1	1
Steensby Inlet Lake ST29																																										
ST29	1-Sep-08		.91 9.80			f	_	6																									1 1		17		58		84		В	8
Number of sites Number of samples			1 1		0	1		1	0	0		1 1			1			0	1	1	1					1		1 1			1 1		1 1	0	1		1 1		1 1	1	1	1 1
·		-	-				_			•								•	_	•											•			•						*		
Steensby Inlet Lake ST32 ST32	1-Sep-08	1.	.13 1.03	_	-	1	_	3		_	_	0+	02	12600	1.5	21	59	_	1720	n s	13	31 -	14	500	2170	60nn	25R	4 2,00	15	000	0.00	9	1 1	$\overline{}$	7 1		42	81	71	_	1	
Number of sites			1 1	0	0	1		1	0		0	-1	1	-1	1	1	1 1	0	1	1	1		1 1	1			1	1 1	- 1	- 1	1	1	1 1	0		0	1 1	1	1		1	1
Number of samples			1 1	0	0	1		1	0	0	0	1	1	- 1	1	1	1 1	0	1	1	1	1 1	1 1	1	1	1	1	1 1	1	1			1 1			0	1 1	1	1		1	- 1
Steensby Inlet Stream 17																																										
Stream 17 Number of sites	27-Aug-08		.76 35.40 1 1		_	1		8	_	Ε	1	0.1	0.2	3890 1	3.6	0.5	52 1	T		0.5	3 1		29 210			3050	110	3 243	18	400	0.04	3	1 1		29		21	69	53		17	10
Number of sites Number of samples			1 1		0	1		1	0	0		1			1	1		0			1		1 1		_	1		1 1		1	1	_	1 1		1		1 1	1	1	\vdash	1	1
Steensby Inlet Stream 18 Stream 18	27-Aug-08		.43 6.10	1	-	1	1	3		т —		0.1	0.2	6790	1.0	1.3	33 1	_	2140	0.5	7	19 2	21 154	400	986	4010	207	1 115	11	1100	0.44	7	1 1	$\overline{}$	7	1	28	35	82	1	4	4
Number of sites	.,		1 1	0				1	0	0	0	1	-1	- 1	-1	1	1 1	0	1	- 1	1	1 1	1 1	1	1	1	1	1 1	- 1	- 1	1	1	1 1	0	1		1 1	1	1		1	1
Number of samples			1 1	0	0	1		1	0	0	0	1	1	1	1	1	1 1	0	1	1	1	1 1	1 1	1	1	1	1	1 1	1	1	1	1	1 1	0	1	0	1 1	1	1	1	1	1
Steensby Inlet Stream 19																																										
Stream 19 Number of sites	27-Aug-08		73 8.66			1	F	3	_					15800		2.4	63 1					38 5	186	600 :	2590	7870	158	3 333	24	1000	0.10	11	1 1			0	50		70		16	4
Number of sites Number of samples			1 1	0	0	1	+	1	0	0	0		1	1	1	1		0		1	1	1 1	1 1	1	1	1	1	1 1	1	1	1	1	1 1	0	1	0	1 1		1	1	1	1
																							-																			
Steensby Inlet Stream 24						1	_	3		т —	1	0.1	0.2	2030	1.0	0.9	10 1	1	1560	0.5	1	6 4	4 40	040	515	2140	48	1 100	3	300	0.03	1	1 1		3	_				_		4
Stream 24	27-Aug-08																																				8					
Stream 24 Number of sites Number of samples	27-Aug-08		.09 0.70 1 1 1 1	0	0				0	0																											8 1 1 1 1		92 1 1		1	1

NOTE:
1 CHANGE SERVING SUBJECT SUBJECT SERVING STATE SERVING S















