



FINAL REPORT

**2018 Milne Inlet Marine Environmental Effects
Monitoring Program (MEEMP) and Aquatic Invasive
Species (AIS) Monitoring Program**

Mary River Project

Submitted to:

Baffinland Iron Mines Corporation

2275 Upper Middle Road East,
Suite 300
Oakville, ON
L6H 0C3

Submitted by:

Golder Associates Ltd.

2nd floor, 3795 Carey Road, Victoria, British Columbia, V8Z 6T8, Canada

+1 250 881 7372

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EXECUTIVE SUMMARY

In 2018, Baffinland undertook a fourth consecutive year of environmental effects monitoring (EEM) at Milne Port as part of the Marine Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) monitoring program for the Mary River Project. The MEEMP was developed in 2015 following completion of marine baseline studies in Milne Port during 2013 and 2014. Study components for the 2018 MEEMP included marine water and sediment quality, marine epifauna¹, benthic infauna², marine vegetation (i.e., macroflora), and fish and fish habitat. The MEEMP sampling design is based on the Metal Mining Technical Guidance for Environmental Effects Monitoring (EEM) (Environment Canada 2012) and includes statistical approaches to detecting potential project-induced impacts on the marine environment. In general, the MEEMP study design and data collection methodology followed the same approach utilized in 2017 to provide technical continuity and repeatability of the program and to allow for inter-annual comparisons of the multi-year dataset. Several program modifications were introduced in 2018 in consultation with the MEWG. This included 1) the addition of benthic infauna to the distance-gradient EEM design (replacing epifauna and macroflora), 2) the addition of underwater video surveys at permanently installed belt transect plots (1 x 5 m) for monitoring epifauna and macroflora using a Before/After-Control/Impact design, 3) a reduction in sampling intensity for hydrocarbons in sediment, 4) the addition of two new sediment sampling stations to account for a proposed second ore dock as part of the Phase 2 Proposal, 5) the addition of a new indicator species (*Hiatella arctica*) for fish body condition and tissue analysis, and 6) extending the duration of the fish monitoring program to occur over a longer extent of the open-water shipping season than in the previous years of monitoring.

The AIS monitoring program was also developed in 2015 as part of the MEEMP to enhance baseline data and provide early warning of potential AIS introductions in Milne Port. Monitoring parameters for the AIS monitoring program targeted lower trophic levels, including zooplankton, benthic and encrusting epifauna, benthic infauna, macroflora and fish. Sampling methodology for the AIS monitoring program generally followed the approach of previous years (2014-2017) with some minor modifications in 2018, including increased sampling effort at Ragged Island and monitoring of ship hulls at Milne Port for biofouling and transport of non-native species.

As part of the MEEMP, vertical water quality profiling was conducted at 19 sampling stations in Milne Inlet to collect surface-to-bottom measurements of conductivity, temperature, depth, dissolved oxygen, pH, turbidity and chlorophyll *a*. Discrete water quality samples were collected at four sampling stations near the effluent discharge point in Milne Port (distributed in a radial design) to monitor for potential changes in water quality due to site drainage and operational discharges (including iron ore stockpile run-off). Sediment samples were collected along four transects (West, East, Coastal and North) surveyed in previous years (2014-2017) as part of a radial gradient design that allowed for monitoring effects as a function of distance from the ore dock point source, in consideration of potential contaminant issues (e.g., ore dust, hydrocarbon deposition) and/or physical impacts (sediment re-suspension and transportation) in the marine environment. Fish sampling was conducted throughout the Milne Port area using gill net, Fukui trap, angling and beach seine sampling methods. Collected fish were identified to species and measured for length/weight before being released. Incidental fish mortalities were retained for age, sex, stomach content, and metals in tissue (body burden) analyses.

AIS monitoring at Milne Port including vertical and horizontal oblique zooplankton tows, benthic infaunal sampling, and underwater video surveys for epifauna and macroflora. Settlement baskets deployed in 2016 and 2017 were recovered from the West and East sides of the ore dock for analysis of encrusting epifauna. Sampling for benthic

¹ Epifauna – organisms living on the seafloor (e.g. sea stars, crab).

² Infauna – organisms living in the substrate of the seafloor (e.g. polychaete worms, clams).

infauna and zooplankton was also conducted at Ragged Island (same locations as 2017) to screen for the presence of AIS near existing anchorage sites. Ship hull monitoring was conducted for the first time in 2018 by means of ship hull video surveys of three ore carriers berthed alongside the ore dock.

Physical properties of the water column during summer were shown to be influenced by freshwater input, particularly at the head of Milne inlet. Strong vertical stratification was persistent throughout the entire inlet; however, a horizontal gradient in salinity and temperature was also observed in the upper water column extending from the head to the mouth of Milne Inlet. Surface water was shown to increase in temperature and decrease in salinity in a southward gradient, indicating stronger freshwater runoff influence at the head of the inlet at Milne Port. Below the pycnocline, water was uniformly cold and saline throughout the inlet. Below 15 to 25 m depth, temperature was less than 0°C and salinity was above 30 PSU, comparable to open ocean conditions, at both the head and mouth of the inlet. Chlorophyll *a* and dissolved oxygen concentrations were low, suggesting low phytoplankton production during the time of the surveys. Water in Milne Inlet was clear with turbidity consistently below 0.1 NTU throughout most of the water column and higher turbidity (0.5 to 8 NTU) at the surface, which was most likely associated with surface runoff from land.

All water quality parameters measured in 2018 were within ranges typical of background conditions previously observed or below the analytical detection limits used in previous monitoring years (2014-2017). All water quality parameters analyzed in 2018 (nitrates, arsenic, cadmium, chromium, mercury, silver and naphthalene) were below applicable CCME WQG³. PAHs were below detection limits in all samples collected between 2015-2018. Fecal coliform bacteria levels measured in 2018 were also below detection limits.

Sediment samples were analyzed for particle size composition, organic content, metals and hydrocarbons. Particle size composition was generally consistent with results from previous years (2014 through 2017). Metal concentrations were generally correlated with sediment physical composition. In general, metal concentrations, when detected, were higher in areas with a higher proportion of fines. Arsenic concentrations exceeded CCME and BC Interim Sediment Quality Guidelines (ISQGs; 7.24 mg/kg) at three stations but did not exceed the CCME Probable Effect Level (PEL). Arsenic concentrations also exceeded the T₂₀⁴ benchmark (7.4 mg/kg; Buchman 2008) at two stations and exceeded Effects Range-Low (ERL) of 8.2 mg/kg (Buchman 2008) at one station. Exceedances of CCME ISQG for arsenic were also reported in previous years (2014 through 2017). Nickel concentrations in 2018 exceeded the T₂₀ benchmark (15 mg/kg) at five stations. Nickel concentrations also exceeded NOAA Threshold Effect Level (TEL) of 15.9 mg/kg at two stations. No CCME sediment quality guidelines exist for nickel; however, nickel concentrations in 2018 were below BC Working ISQG (30 mg/kg) and PEL (50 mg/kg). Observed exceedances for arsenic and nickel are not considered to be Project-related, as neither chemical element is associated with ore processing at Mary River (Baffinland 2012) and both were recorded in similar high concentrations during baseline surveys (SEM 2015). Also, exceedances for nickel were only observed at certain far-field stations located over two kilometers from the ore dock. It is presumed that elevated arsenic and nickel concentrations in these areas are likely naturally occurring.

Volatile organic compounds, extractable petroleum hydrocarbons, and PAHs were, with few exceptions, below detection limits. PAHs were detected at three stations and concentrations of volatile organic compound dichloromethane were detected at three stations. Concentrations of PAHs acenaphthylene and dibenz(a,h)anthracene in one of the stations of the North transect slightly exceeded CCME and BC ISQGs. No other organic compound exceeded sediment quality guidelines and benchmarks during the 2018 sediment program.

³ Canadian Council of Ministers of the Environment (CCME) – Canadian Water Quality Guidelines {WQG} for The Protection of Aquatic Life (CCME 2002)

⁴ Chemical concentrations corresponding to 20% probability of observing toxicity

Fines content remained stable between the five years of sampling on the West and East transects. On the Coastal Transect, there was an estimated increase in percent fines at the 1,000-m and 1,500-m distances between 2014 and 2016, although the 2018 estimates showed no change from 2014 indicating no consistent trend between years. On the North Transect, a significant increase in percent fines was estimated at transect origin between 2014 and 2015, followed by a small decline in 2016 and no further changes throughout 2017-2018. Overall, there were no significant changes in percent fines between 2014 and 2018 on any of the four transects.

Iron concentrations showed interannual changes at some locations on the West and East transects during the five study years, while no significant changes in iron concentrations were observed on the Coastal or North Transects. Between 2014 and 2018, significant increases in iron concentrations, based on observed fines content, were observed at 500 m and 1,500 m from the ore dock on the West Transect and at 500 m and 1,000 m on the East Transect. When iron concentrations were corrected to minimum or maximum transect-specific fines content, significant increases between 2014 and 2018 were estimated only at 50 and 1,000 m from the ore dock on the East Transect (no corrected estimates were done for 0 m). Although not significant, gradual annual increases were estimated at 500 m and 1,000 m on the West Transect between 2015 and 2018, at 50 m and 500 m on the East Transect between 2016 and 2018, and at 1,000 m on the East Transect between 2016 and 2018. No significant changes in the same direction were observed in two consecutive years over the 2014-2018 period.

A revised approach for monitoring marine benthic communities in Milne Port was introduced in 2018 using permanent belt transect plots in a control and reference area, and infaunal sampling stations along four transects as part of the distance-gradient design (in concert with sediment sampling). Data collected in 2018 will be compared to 2019 monitoring results when available. In general, benthic community composition appeared to be consistent with that observed during the 2014 to 2015 surveys. For epibenthos, both total abundance and taxonomic richness were lower in the belt transect plots than recorded on previous (2014-2017) transect surveys. This was expected given the smaller area sampled using the belt transect plots. For infauna, mean density, taxa richness and species diversity values in 2018 were mostly within ranges observed in the 2017 AIS benthic infaunal samples (Golder 2018), with the exception of several samples on the West and North Transects which demonstrated lower values. As in previous years, polychaetes were the most abundant taxa at all stations sampled in 2018, followed by crustaceans and bivalves.

Tissue samples from opportunistically collected clams, *Hiattella arctica*, were analyzed to determine body burden of metals as a supplement to fish tissue analysis. Concentrations of most metals in *H. arctica* tissues were higher compared to levels in Arctic char tissue sample, aside from mercury which was lower in *H. arctica*. Mercury concentrations in all *H. arctica* tissue samples were below the Health Canada guideline for human consumption.

Fishing effort in 2018 yielded greater sampling sizes than in previous years both in terms of total catch (403 fish) and gill net catch per unit of effort (CPUE; mean 3.38 and standard deviation (SD) 3.35 fish/h). Relative taxonomic composition of fish in the Milne Port area did not change considerably from previous studies with catches being dominated by three species; Arctic char, fourhorn sculpin and shorthorn sculpin (comprising 98% of the total catch). Other recorded fish species included Arctic sculpin, Arctic cod and northern sandlance.

As in previous years, gill net sampling proved to be the most effective fish collection method, yielding 93% of the total catch. Gill nets in 2018 also yielded highest total catch and CPUE in comparison to previous years. Beach seine was the most efficient method of sampling in terms of the CPUE when recalculated to number of fish caught per hour (mean 20 and SD 23.6 fish/h). However, beach seining was limited to certain nearshore areas and could only be deployed for short durations (several minutes). Fukui traps were less effective and less efficient in 2018 than in previous years, yielding both the lowest total catch and lowest CPUE recorded since 2013.

A total of 26 incidental Arctic char mortalities were retained for sex, age, stomach content and body burden analysis (14 females and 12 males - ranging from 5 to 17 years in age). Female Arctic char were on average slightly older than males (average age of 11 years vs. 10 years) and larger than males (average length 410 mm vs. 397 mm; average weight 901 g vs. 705 g). However, male Arctic char has a greater maximum length (514 mm vs. 508 mm) and maximum weight (1480 g vs. 1470 g) than females. No relationship between body length and age in the analyzed incidental Arctic char mortalities was observed, indicating body size is not a good predictor for Arctic char age in the Milne Port area.

Concentrations of metals in Arctic char tissue analyzed for body burden in 2018 were consistent with those reported in previous years (2010-2017). No samples exceeded the Health Canada guideline (0.5 mg/kg) for mercury in fish tissue for human consumption. No significant differences in the length-to-weight relationships were observed between 2017 and 2018 for the three most dominant species (Arctic char, fourhorn sculpin and shorthorn sculpin) despite much smaller sampling sizes in 2017.

Three zooplankton, 46 benthic infauna and one fish taxa were identified during the 2018 AIS monitoring program that were not encountered during previous years. None of the newly detected species were identified in the invasive species databases. An analysis of the available literature and species databases indicated that all of the newly identified taxa had known ranges that include Arctic waters or had unknown northern limits, with ranges reaching into the north Atlantic and Norwegian Sea. These taxa presumably could have ranges that extend to Arctic waters.

One of the 46 new benthic infaunal species identified in 2018 was a sabellid worm found in the deep-water sediment samples collected at Milne Port. This was initially identified by the taxonomic laboratory as *Pseudofabricia* sp. Currently, the only species described for this genus is *P. aberrans*, which is considered endemic to the Mediterranean Sea (Giangrande and Cantone 1990; Cepeda and Lattig 2016; WoRMS 2019). *P. aberrans* is not listed in the global invasive species database (Molnar et al. 2008), or as a known invasive species list within the National Risk Assessment for Introduction of Aquatic Nonindigenous Species to Canada by Ballast Water (Casas-Monroy et al. 2014). Samples were sent for independent verification by the University of Laval's Benthic Ecology Laboratory, which concluded that the species may have been *Manayunkia aesturiana*. This species has a documented range in the North Atlantic (including Arctic waters) and specimens have been collected near Baffin Island (Goldsmit 2016).

In 2017 AIS surveys, the cryptogenic amphipod *Monocorophium insidiosum* was identified in samples from Milne Port (Golder 2018). The invasive status of this amphipod could not be determined due to uncertainties surrounding its native range, which may include the northwest Atlantic (Fofonoff et al. 2019). Individuals of this genus were identified in 2018 surveys and were not identifiable to species level but were consistent with 2017 *M. insidiosum* specimens (Macdonald 2019, pers. comm.). An independent verification of taxonomic identification of the species conducted by Philippe Archambault's Benthic Ecology Lab at Université Laval indicated that the *M. insidiosum* identified in 2017 and 2018 may have been *Crassikorophium bonelli*, which has been identified from eastern North America and the northeastern Atlantic Ocean (GBIF 2018; ETI Bioinformatics 2019 Sirenko et al. 2019).

Hull surveys of the three ore carriers at Milne Port in 2018 indicated that the surveyed hulls were mostly free of biofouling. Exceptions included small areas on the stern of two of the carriers (the Arkadia and the Golden Saguenay) where some degree of colonization by aquatic organisms was observed. On the Arkadia, colonizing organisms belonged to an undetermined species of barnacle. Biofouling taxa on the Golden Saguenay could not be positively identified on the captured video footage, and no physical samples could be collected due to where the fouling was located.

Overall indicator thresholds established for the Marine Environment in the Final Environmental Impact Statement (FEIS) and FEIS Addendum (Baffinland 2012; 2013) were only exceeded in 2018 for the following sediment quality components:

- Slight exceedance of CCME guidelines for PAH (acenaphthylene and dibenz(a,h)anthracene) in one sample on the North Transect.
- Iron concentrations in sediment showed significant increases at 50 and 1,000 m from the ore dock along the East Transect in comparison to the baseline year of 2014.

These observed changes remained within the geographic boundaries predicted in the assessment (Baffinland 2012; 2013).

STUDY LIMITATIONS

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Benthic Infauna Data

ANNEXE F

Shellfish Tissue Chemical Analysis and Weight and Length Data

ANNEXE G

Fish Catch and Analysis Data

ANNEXE H

Zooplankton and Ichthyoplankton Data

ANNEXE I

Benthic Infauna Taxonomic List (2014-2018)

ANNEXE J

Macroflora, Benthic Epifauna and Fish Taxonomic List (2014 – 2018)

ANNEXE K

Encrusting Epifauna

ANNEXE L

Physical Oceanography Report

ACRONYMS AND ABBREVIATIONS

Acronym or Abbreviation	Definition
°C	Degree Celsius
µm	Micrometre
AIS	Aquatic Invasive Species
ALS	ALS Environmental
ANOVA	Analysis of Variance
ANCOVA	Analysis of Covariance
Baffinland	Baffinland Iron Mines Corporation
BACI	Before/After Control/Impact
Biologica	Biologica Environmental Services
CCME	Canadian Council of Ministers of Environment
cm	Centimetres
CPUE	Catch Per Unit Effort
CTD	Conductivity, Temperature, Depth
DFO	Fisheries and Oceans Canada
DL	Detection Limit
DO	Dissolved oxygen
DQO	Data Quality Objectives
EEM	Environmental Effects Monitoring
EPH	Extractable Petroleum Hydrocarbons
ERL	Effects Range Low
ERP	Early Revenue Phase
FEIS	Final Environmental Impact Statement
g	Grams
GPS	Global Positioning System
HDPE	High Density Polyethylene
HSD	Honest Significant Difference
Indet.	Indeterminate
ISQG	Interim Sediment Quality Guideline
LSA	Local Study Area
Maxxam	Maxxam Analytics
MEEMP	Marine Ecological Effects Monitoring Program
MEWG	Marine Environmental Working Group
m	Metre(s)
m ²	Square Metres
m/s	Metre per Second

Acronym or Abbreviation	Definition
MDL	Method Detection Limit
mg/kg	Milligrams per Kilogram
mg/L	Milligrams per Litre
mg	Milligram
mm	Millimetre
Mtpa	Million Tonnes per Annum
NTU	Nephelometric Turbidity Unit
NIRB	Nunavut Impact Review Board
No.	Number
PAH	Polycyclic Aromatic Hydrocarbons
PC	Project Certificate
PCA	Principal Component Analysis
PEL	Probable Effect Level
PSU	Practical Salinity Unit
QA/QC	Quality Assurance/Quality Control
RM	Repeated Measures
ROV	Remotely Operated Vehicle
RPD	Relative Percent Differences
SD	Standard Deviation
SEM	Sikumit Environmental Management Ltd.
sp.	Species
sp. nr.	Species Near to
SWI	Standard Working Instructions
TEL	Threshold Effect Level
The Project	Mary River Project
TIC	Total Inorganic Carbon
TOC	Total Organic Carbon
TSS	Total Suspended Solids
UTM	Universal Transverse Mercator
VOC	Volatile Organic Compounds
WQG	Water Quality Guidelines
wwt	Wet Weight

1.0 INTRODUCTION

This report presents the results for the MEEMP and AIS monitoring programs conducted in Milne Inlet during the 2018 open-water season. Baffinland Iron Mines Corporation (Baffinland) completed the fourth consecutive year of environmental effects monitoring (EEM) at Milne Port as part of the 2018 Marine Ecological Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) monitoring program for the Mary River Project. Both programs were originally developed in 2015 following completion of marine baseline studies in Milne Port during 2013 and 2014. The MEEMP and AIS monitoring programs are intended to provide a primary means to identify and quantify project-related change in the marine environment. Where such change occurs, the programs' assist in identifying appropriate modifications to, or mitigation of, project operational activities to avoid and/or minimize adverse effects on the marine environment. Results from the MEEMP and AIS monitoring programs also provide information to the Nunavut Impact Review Board (NIRB) to support its yearly review of the Mary River Project.

1.1 Background

The Mary River Project (hereafter, "the Project") is an operating iron ore mine located in the Qikiqtaaluk Region of North Baffin Island, Nunavut (Figure 1-1). Baffinland is the owner and operator of the Project. The operating Mine Site is connected to a port at Milne Inlet (Milne Port) via the 100-km long Milne Inlet Tote Road. Undeveloped components of the Project include a South Railway connecting the Mine Station to a future port at Steensby Inlet (Steensby Port).

Project Certificate No. 005, amended by the Nunavut Impact Review Board (NIRB) on 27 May 2014, authorizes Baffinland to mine up to 22.2 million tonnes per annum (Mtpa) of iron ore from Deposit No. 1. Of this 22.2 Mtpa, the Company is currently authorized to transport 18 Mtpa of ore by rail to Steensby Port for year-round shipping through the Southern Shipping Route (via Foxe Basin and Hudson Strait), and 4.2 Mtpa of ore by truck to Milne Port for open water shipping through the Northern Shipping Route using chartered ore carrier vessels. A Production Increase to ship 6.0 Mtpa from Milne Port was approved for 2018 and 2019. Shipping of ore from Milne Inlet during the ERP began in 2015 and is expected to continue for the life of the Project (20+ years). During the first year of ERP Operations in 2015, Baffinland shipped approximately 900,000 tonnes via 13 ore carrier voyages. The amount of ore shipped during the 2018 open-water season has since increased to approximately 5.1 million tonnes via 71 return ore carrier voyages.

As a part of regulatory commitments, Baffinland has developed and implemented a multi-parameter EEM program for the marine environment, collectively referred to as the MEEMP. The MEEMP was designed to evaluate potential Project-related effects on the marine environment as predicted in the Final Environmental Impact Statement (FEIS; Baffinland 2013) and FEIS Addendum (Baffinland 2013). Potential effects on the marine environment may include:

- Changes in water and sediment quality (e.g., ore dust, hydrocarbon leaks, wastewater, and site runoff)
- Changes in marine habitat and biota from contaminant sources (e.g., ore dust, hydrocarbon leaks, wastewater, and site runoff)
- Physical perturbations caused by shipping (sediment re-suspension and transportation)

The Valued Ecosystem Components (VECs) on which effects were assessed in the FEIS and monitored during the MEEMP studies were Marine Water and Sediment Quality, Marine Fish Habitat and Arctic Char Health. The assessment predicted that Project activities may result in localized changes above threshold values (Level-II-

magnitude) for Water and Sediment Quality and Arctic Char Health VECs, confined within the LSA. It was predicted that changes would not exceed thresholds (Level-I-magnitude) for the Marine Fish Habitat VEC. All predicted residual environmental effects were rated as “Not Significant” since they were confined to the LSA (Baffinland 2012 and 2013).

Criteria used to determine effect magnitude thresholds for the Water and Sediment Quality VECs were CCME Guidelines for the Protection of Aquatic Life (Table 1-1) or baseline concentrations if they exceeded guidelines. CCME guidelines for water quality were also used to determine effect magnitude thresholds for the Arctic Char Health VEC (Table 1-2). Thresholds for effect magnitude on the Fish Habitat VEC were established as a reduction in productive capacity measured as a proportion of lost or altered habitat to the total area of the LSA (Table 1-3) (Baffinland 2012 and 2013). For certain parameters where no guidelines or quality criteria exist (e.g., sediment percent fines, sediment iron concentrations and benthic community abundance) the MEEMP uses a significance criterion of two standard deviations of the baseline year as a threshold (Baffinland 2016).

Table 1-1: Criteria for Determination of the Magnitude of Effect on Water and Sediment Quality (Baffinland 2012)

Level	Descriptor	Criteria
Not Assessed (Level 0)	Negligible	Water/sediment quality change not expected to be detectable
Level I	Low	Water/sediment quality change may be detectable but would remain within CCME guidelines
Level II	Moderate	Water/sediment quality change within an order of magnitude of the CCME guidelines
Level III	High	Water/sediment quality change greater than an order of magnitude above the CCME guidelines

Table 1-2: Criteria for Determination of the Magnitude of Effect on Arctic Char Health (from Baffinland 2012)

Level	Descriptor	Criteria
Not Assessed (Level 0)	Negligible	Water quality change within CCME guidelines
Level I	Low	Water quality change is from 1 to 10 times the CCME guidelines
Level II	Moderate	Water quality change is from 10 to 100 times the CCME guidelines
Level III	High	Water quality change is more than 100 times the CCME guidelines

Table 1-3: Criteria for Determination of the Magnitude of Effect on Marine Fish Habitat (from Baffinland 2012)

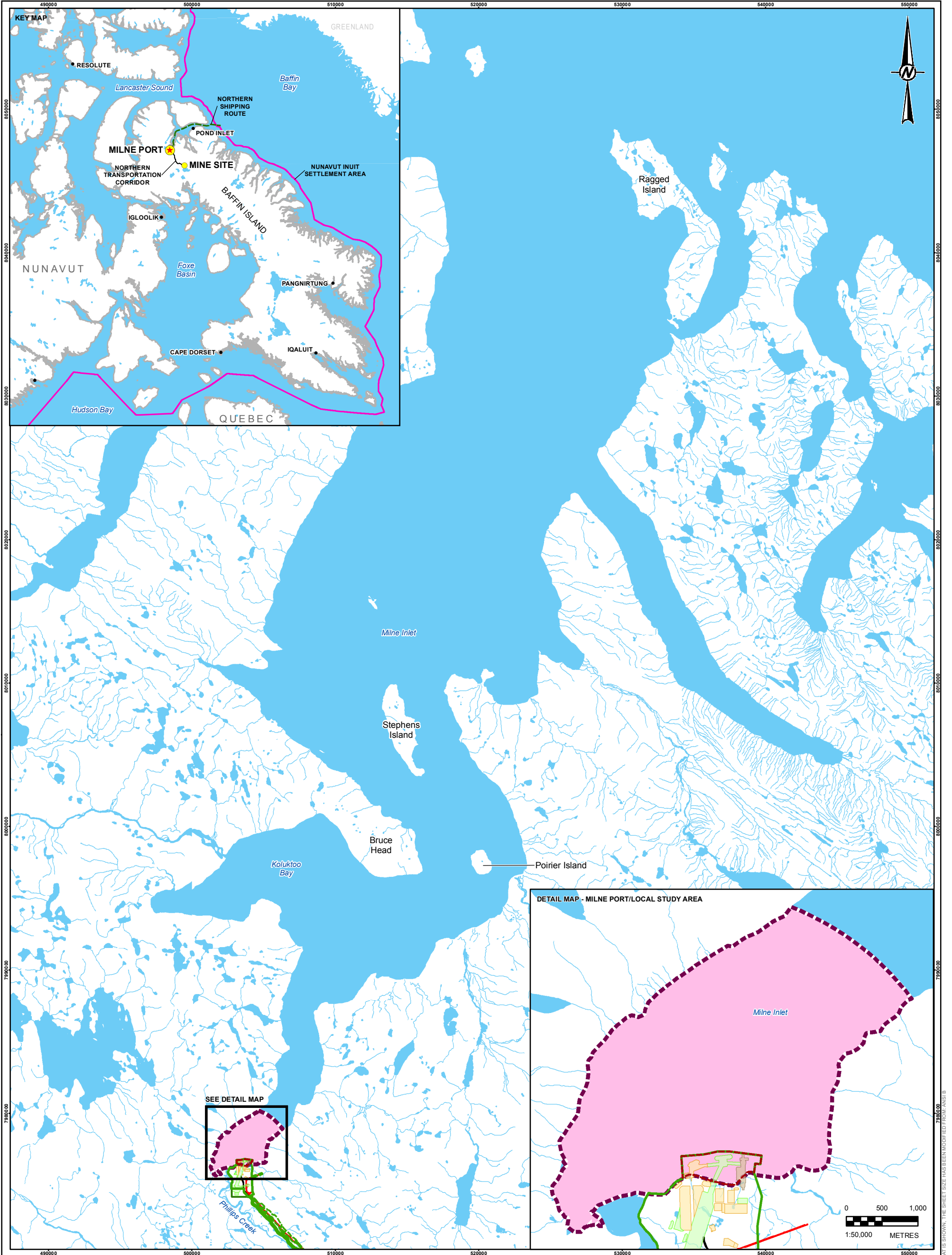
Level	Descriptor	Criteria
Not Assessed (Level 0)	Negligible	Less than 1 % reduction in productive capacity
Level I	Low	Between 1% and 10 % reduction in productive capacity
Level II	Moderate	Between 10% and 20 % reduction in productive capacity
Level III	High	More than 20 % reduction in productive capacity

The MEEMP includes monitoring of marine water and sediment quality, marine invertebrates, marine vegetation, and fish and fish habitat. The MEEMP sampling design is based on the Metal Mining Environmental Effects Monitoring (EEM) guidelines (Environment Canada 2012) and includes statistical approaches for detecting potential Project-induced impacts on the marine environment.

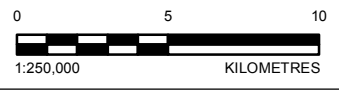
Aquatic Invasive Species (AIS) monitoring is an integral component of the MEEMP. It is designed to address the potential risks of invasive species introductions to the marine environment from ship ballast water and hull biofouling in accordance with existing Terms and Conditions of the Project Certificate (as applicable). The AIS monitoring program is based on a Before/After experimental design that focuses on areas with the highest likelihood of marine invasion. The AIS Monitoring Program is conducted at a surveillance level where detection of a single invasive species is the threshold for triggering of adaptive management measures (e.g., ballast water treatment) and/or potential corrective actions (e.g., measures to eradicate the AIS), if deemed feasible. The AIS monitoring program consists of data collected across multiple trophic levels (marine vegetation, zooplankton, benthic invertebrates and fish) to establish a comprehensive inventory of existing marine biota in the Project area that is intended to serve as a point of reference for any new species identified over time, and to evaluate potential changes in community structure that may be linked to AIS introductions. Marine organisms identified during baseline studies in 2008, 2010 and 2013 also contributed to the AIS inventory. AIS monitoring is recommended to be conducted annually until results of ballast water sampling are deemed satisfactory to recommend reducing the frequency of monitoring in the receiving environment.

Sikumiut Environmental Management Ltd. (SEM) was originally retained by Baffinland to design and implement the MEEMP. The MEEMP program was first implemented in 2014. Monitoring efforts in 2014 focused primarily on further characterization of baseline conditions in Milne Port. Environmental effects monitoring was completed by SEM in 2015 and 2016. Golder completed environmental effects monitoring in 2017 and 2018, which included modifications to 2014-2016 MEEMP and AIS sampling design to better address the objectives of the programs.

This report presents the results of the MEEMP and AIS monitoring programs conducted at Milne Port and in Milne Inlet during the 2018 open-water season. The physical oceanography component of the program is presented in a separate report, included as ANNEXE L.



- LEGEND**
- MINE SITE
 - ★ PROJECT LOCATION
 - MILNE INLET TOTE ROAD
 - PROPOSED NORTH RAILWAY
 - SHIPPING ROUTE
 - WATERCOURSE
 - EXISTING ORE DOCK
 - PROPOSED FREIGHT DOCK AND CAUSEWAY
 - PROPOSED SECOND ORE DOCK AND CAUSEWAYS
 - INAC FORESHORE LEASE
 - LOCAL STUDY AREA
 - NUNAVUT SETTLEMENT AREA
 - PDA / QIA COMMERCIAL LEASE
 - REVISED PDA FOR PHASE 2 PROPOSAL
 - WATERBODY



REFERENCE(S)
 LOCAL STUDY AREA BOUNDARY DIGITIZED FROM THE MARY RIVER PROJECT FINAL ENVIRONMENTAL IMPACT STATEMENT (FEBRUARY 2012). HYDROGRAPHY AND TOPOGRAPHY DATA BY EAGLE MAPPING (2005), RETRIEVED FROM KNIGHT PIESOLD LTD. FULCRUM DATA MANAGEMENT SITE, MAY 2017. MILNE PORT INFRASTRUCTURE PROVIDED BY CLIENT, MAY 28, 2018 AND PROVIDED BY HATCH, JANUARY 25, 2017, RETRIEVED FROM KNIGHT PIESOLD LTD. FULCRUM DATA MANAGEMENT SITE MAY 19, 2017. HYDROGRAPHY, POPULATED PLACE, AND PROVINCIAL BOUNDARY DATA OBTAINED FROM GEOGRATIS, © DEPARTMENT OF NATURAL RESOURCES CANADA. ALL RIGHTS RESERVED.
 PROJECTION: UTM ZONE 17 DATUM: NAD 83

CLIENT
BAFFINLAND IRON MINES CORPORATION

PROJECT
MARY RIVER PROJECT – MARINE ENVIRONMENTAL EFFECTS MONITORING PROGRAM

TITLE
PROJECT LOCATION

CONSULTANT
GOLDER

YYYY-MM-DD	2019-02-22
DESIGNED	AO
PREPARED	AA
REVIEWED	AO
APPROVED	EJ

PROJECT NO.	CONTROL	REV.	FIGURE
1663724	14000	0	1-1

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM A3/B3 TO A4/B4

1.2 Objectives

In accordance with existing Terms and Conditions of Project Certificate (PC) #005, Baffinland is responsible for the establishment and implementation of the MEEMP, which comprises EEM studies that are conducted over a defined time period with the following objectives:

- Assess the accuracy of effects predictions in the FEIS (Baffinland 2012) and Addendum 1 (Baffinland 2013).
- Assess the effectiveness of Project mitigation measures.
- Verify compliance of the Project with regulatory requirements, Project permits, standards and policies.
- Identify unforeseen adverse effects and provide early warnings of undesirable changes in the environment.
- Improve understanding of local environmental processes and potential Project-related cause-and-effect relationships.
- Provide feedback to the applicable regulators (e.g. NIRB) and advisory bodies (e.g. Marine Environmental Working Group or MEWG) with respect to:
 - Potential adjustments to existing monitoring protocols or monitoring framework to allow for the most scientifically defensible synthesis, analysis and interpretation of data.
 - Project management decisions requiring modification of operational practices where and when necessary.

The MEEMP was developed in consideration of the anticipated and potential Project-related impacts to the marine environment as identified in the 2012 FEIS and 2014 ERP Addendum, as well as monitoring requirements outlined in the following PC Terms and Conditions:

- Condition No. 76 – ‘The Proponent shall develop a comprehensive Environmental Effects Monitoring Program to address concerns and identify potential impacts of the Project on the marine environment.’
- Condition No. 83 (a) – ‘To identify potential for and conduct monitoring to identify effects of sediment redistribution associated with construction and operation of the Milne Port.’
- Condition No. 84 – ‘The Proponent shall update its sediment redistribution modeling once ship design has been completed and sampling should be undertaken to validate the model and to inform sampling sites and the monitoring plan.’
- Condition No. 85 – ‘The Proponent shall develop a monitoring plan to verify its impact predictions associated with sediment redistribution resulting from propeller wash in shallow water locations along the shipping route. If monitoring detects negative impacts from sediment redistribution, additional mitigation measures will need to be developed and implemented.’
- Condition No. 87 – ‘The Proponent shall develop a detailed monitoring program at a number of sites over the long term to evaluate changes to marine habitat and organisms and to monitor for non-native introductions resulting from Project-related shipping. This program needs to be able to detect changes that may have biological consequences and should be initiated several years prior to any ballast water discharge into Steensby Inlet and Milne Inlet to collect sufficient baseline data and should continue over the life of the Project.’

- Condition No. 89 – ‘The Proponent shall develop and implement an effective ballast water management program that may include the treatment and monitoring of ballast water discharges in a manner consistent with applicable regulations and/or exceed those regulations if they are determined to be ineffective for providing the desired and predicted results. The ballast water management program shall include, without limitation, a provision that requires ship owners to test their ballast water to confirm that it meets the salinity requirements of the applicable regulations prior to discharge at the Milne Port, and a requirement noting that the Proponent, in choosing shipping contractors will, whenever feasible, give preference to contractors that use ballast water treatment in addition to ballast water exchange.’
- Condition No. 91 – ‘The Proponent shall develop a detailed monitoring plan for Steensby Inlet and Milne Inlet for fouling that complies with all applicable regulatory requirements and guidelines as issued by Transport Canada, and includes sampling areas on ships where antifouling treatment is not applied such as the areas where non-native species are most likely to occur.’
- Condition No. 99 (a) – ‘Establish shipping season, inter-annual baseline in Steensby Inlet and Milne Inlet that enables effective monitoring of physical and chemical effects of ballast water releases, sewage outfall, and bottom scour by ship props, particularly downslope and downstream from the docks. This shall include the selection and identification of physical, chemical, and biological community/indicator components. The biological indicators shall include both pelagic and benthic species but with emphasis on relatively sedentary benthic species (e.g., sculpins).’
- Condition No. 99 (b) (ii) – ‘The collection of additional baseline data in Milne Inlet on narwhal, bowhead and anadromous Arctic char abundance, distribution ecology and habitat use.’
- Condition No. 113 – ‘The Proponent shall conduct monitoring of marine fish and fish habitat, which includes but is not limited to, monitoring for Arctic char stock size and health condition in Steensby Inlet and Milne Inlet, as recommended by the Marine Environment Working Group.’
- Condition No. 114 – ‘In the event of the development of a commercial fishery in the Steensby Inlet area or Milne Inlet-Eclipse Sound areas, the Proponent, in conjunction with the Marine Environment Working Group, shall update its monitoring program for marine fish and fish habitat to ensure that the ability to identify Arctic char stock(s) potentially affected by Project activities and monitor for changes in stock size and structure of affected stocks and fish health (condition, taste) is maintained to address any additional monitoring issues identified by the MEWG relating to the commercial fishery.’
- Condition No. 115 – ‘The Proponent is encouraged to continue to explore off-setting options in both the freshwater and marine environment to offset the serious harm to fish which will result from the construction and infrastructure associated with the Project.’
- Condition No. 126 – ‘The Proponent shall design monitoring programs to ensure that local users of the marine area in communities along the shipping route have opportunity to be engaged throughout the life of the Project in assisting with monitoring and evaluating potential project-induced impacts and changes in marine mammal distributions.’

1.3 Study Area

The 2018 MEEMP and AIS field surveys were conducted primarily within the Local Study Area (LSA) for the Marine Environment as defined¹⁰ in the FEIS and Addendum 1 (Baffinland 2012; 2013). The LSA includes all of Milne Port (Assomption Harbour) and extends north up to 4 km from the existing terminal (spanning the full width of Milne Inlet at the northern boundary) (Figure 1-1). The southeast boundary of the LSA ends at the confluence of Milne Inlet with Phillips Creek.

In 2018, following feedback provided from MEWG members and the community during the 2016 community workshops, additional AIS and physical oceanographic monitoring was conducted at Ragged Island north of the LSA boundary. This represented the second consecutive year of sampling at Ragged Island which aimed at detecting potential Project effects from ore carriers when anchored in this area.

¹⁰ The LSA includes all marine waters where there exists a reasonable potential for direct measurable effects from Project activities on the marine environment.

2.0 STUDY DESIGN

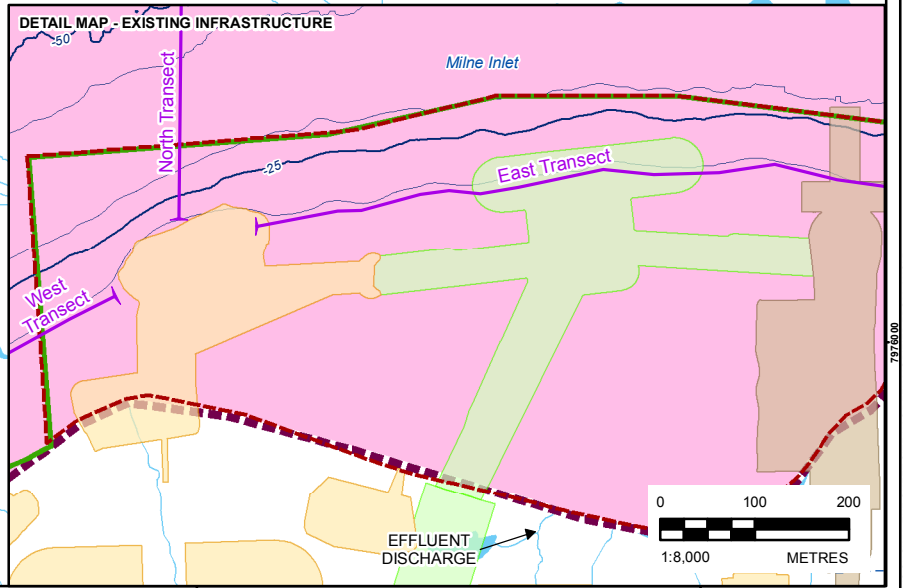
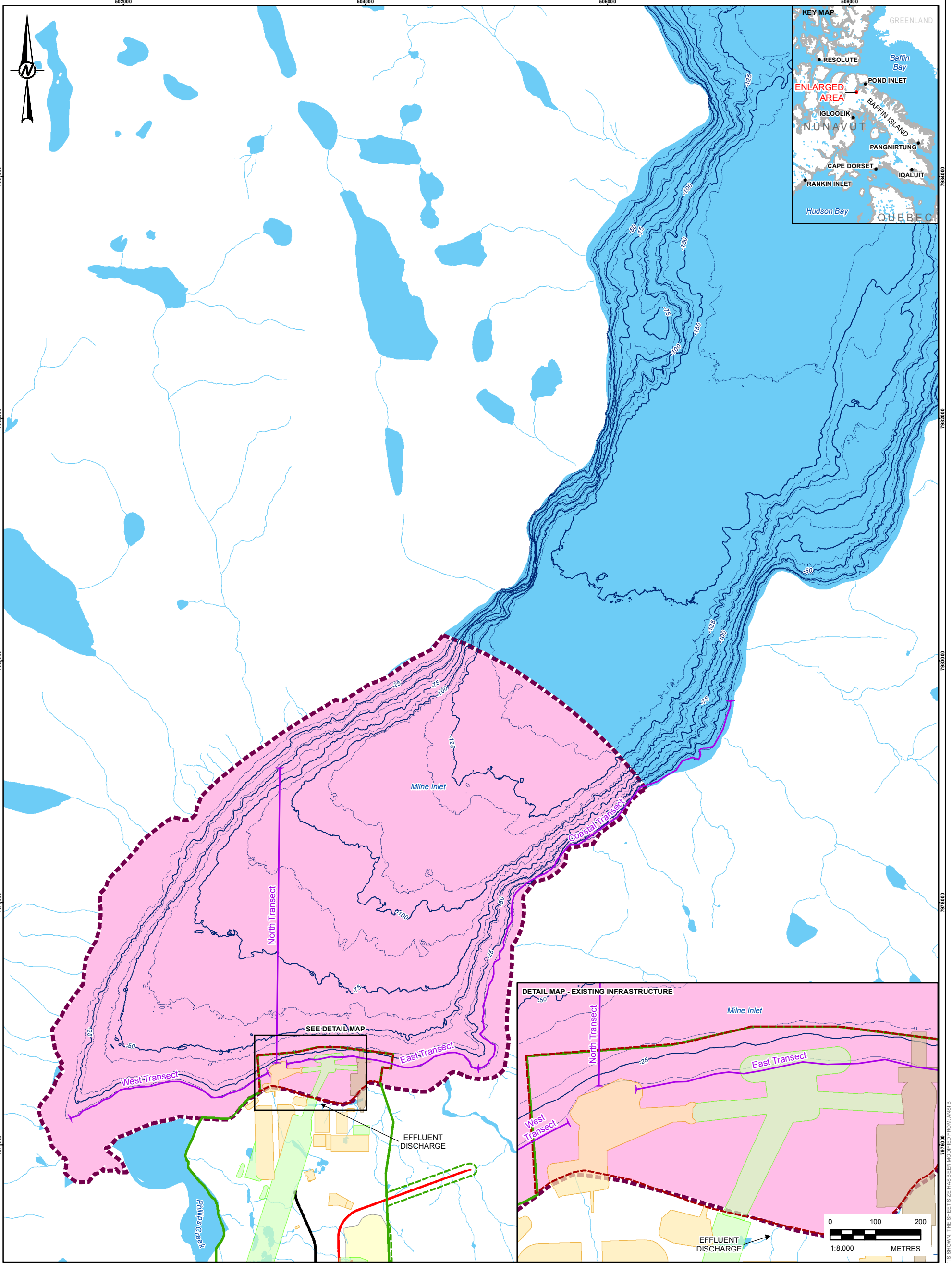
2.1 MEEMP

The MEEMP was designed to evaluate potential Project-related impacts on the marine environment as predicted in the FEIS and FEIS Addendum (Baffinland 2013). The original sampling design for the MEEMP (Baffinland 2016; SEM 2015) was based on a radial gradient transect design extending out from the ore dock (Figure 2-1). The ore dock represents the potential point source for contaminants (e.g., ore dust, hydrocarbon deposition) and physical perturbations (e.g., sediment re-suspension and transportation). The radial pattern is designed to detect potential Project-related effects based on a gradient of key components with numerical indicators (e.g., metal concentrations in sediment and abundance of benthic biota) with increasing distance from the point source.

The initial MEEMP design (excluding AIS monitoring) included the following study components:

- Marine water quality
- Marine sediment quality
- Benthic epifauna and epiflora
- Fish

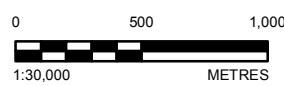
Water quality was added to the MEEMP in 2015 to monitor for potential changes in water quality associated with site drainage and treated effluent discharges to the marine environment (including iron ore stockpile run-off). Four water quality stations were established near the site discharge point for compliance monitoring; one station next to the site discharge point, and three stations located slightly offshore in a radial pattern.



- LEGEND**
- BATHYMETRIC CONTOUR (15 m INTERVAL)
 - BATHYMETRIC CONTOUR (25 m INTERVAL)
 - MILNE INLET TOTE ROAD
 - PROPOSED NORTH RAILWAY
 - TRANSECT
 - WATERCOURSE
 - AGGREGATE SOURCE (BORROW PIT OR QUARRY)
 - EXISTING ORE DOCK
 - PROPOSED FREIGHT DOCK AND CAUSEWAY
 - PROPOSED SECOND ORE DOCK AND CAUSEWAYS
 - LOCAL STUDY AREA
 - PDA / QIA COMMERCIAL LEASE
 - REVISED PDA FOR PHASE 2 PROPOSAL
 - WATERBODY

REFERENCE(S)

BATHYMETRY CREATED BY GOLDER FROM MULTIPLE DATA SOURCES. HYDROGRAPHY AND TOPOGRAPHY DATA BY EAGLE MAPPING (2005), RETRIEVED FROM KNIGHT PIESOLD LTD. FULCRUM DATA MANAGEMENT SITE, MAY 2017. MILNE PORT INFRASTRUCTURE PROVIDED BY CLIENT, MAY 28, 2018 AND PROVIDED BY HATCH, JANUARY 25, 2017, RETRIEVED FROM KNIGHT PIESOLD LTD. FULCRUM DATA MANAGEMENT SITE MAY 19, 2017. HYDROGRAPHY, POPULATED PLACE, AND PROVINCIAL BOUNDARY DATA OBTAINED FROM GEOGRATIS, © DEPARTMENT OF NATURAL RESOURCES CANADA. ALL RIGHTS RESERVED. PROJECTION: UTM ZONE 17 DATUM: NAD 83



CLIENT
BAFFINLAND IRON MINES CORPORATION

PROJECT
MARY RIVER PROJECT – MARINE ENVIRONMENTAL EFFECTS MONITORING PROGRAM

TITLE
RADIAL GRADIENT STUDY DESIGN

CONSULTANT	DATE	REVISION
	YYYY-MM-DD	2019-02-22
	DESIGNED	AO
	PREPARED	AA
	REVIEWED	AO
	APPROVED	EJ

PROJECT NO.	CONTROL	REV.	FIGURE
1663724	14000	0	2-1

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The EEM sampling design for sediment quality, benthic epifauna and epiflora was based on a radial gradient transect design extending out from the ore dock. A series of sampling stations were arranged at increasing distances from the point source along each of four transects. Three transects (East, West and Coastal) were arranged along the 15 metre (m) depth contour to minimize the confounding influence of depth on sediment and associated biota. The 15 m depth contour was considered to be unaffected by winter ice scour and was previously associated with relatively higher species counts and increased species diversity for both marine flora and fauna (SEM 2015; Baffinland 2016). The East and West Transects extended approximately 1,700 m and 1,800 m to the east and the west of the ore dock respectively. The Coastal Transect started at the eastern terminus of the East Transect and extended north along the 15 m depth contour for approximately 4,250 m. The fourth transect (North Transect) extended directly offshore of the existing ore dock out to a distance of 2,000 m, corresponding with a water depth of approximately 100 m. This transect included both a distance and depth gradient for consideration in the EEM analysis.

The statistical design was based on repeated measures (RM) distance regression analysis with each station re-sampled annually. The RM distance regression analysis is an alternative to the Before/After Control/Impact (BACI) analysis of variance (ANOVA) design and has higher sensitivity to change and is more robust than simple comparison of parameters between control and impact locations (Environment Canada 2012). From the point source, stations have been established along the distance gradient, which allows for physical, chemical and biological changes to be assessed spatially (SEM 2015; Baffinland 2016). This design was also used to identify negative environmental effects for further mitigation and/or alterations to Project activities. Analysis of covariance (ANCOVA) is applied to baseline and annual monitoring data to compare gradients in the regression line to determine if monitoring results are significantly different from baseline conditions.

2.1.1 Modifications to the MEEMP

The 2018 MEEMP study design considered the following:

- MEEMP 2014 to 2017 results
- Regulatory feedback on the 2017 MEEMP report and the MEEMP program to-date
- EEM guidance from Environment and Climate Change Canada (Environment Canada 2010; 2012)
- Future sampling requirements for the Phase 2 Proposal involving the installation of a second ore dock and an increase in port operations and shipping activities

To meet the objectives of the MEEMP, data collected for specific study components (endpoints) are assessed to determine if statistically significant changes have occurred in the receiving environment (based on pre-determined effect indicators and measurement endpoints). Statistical confidence depends on many factors, including:

- Appropriate selection of indicators and endpoints that provide robust signals of changes in the environment
- Appropriate data collection methods for high resolution of measurement endpoints
- A study design that allows for meaningful statistical analysis and accuracy in detecting potential effects

Environment and Climate Change Canada (Environment Canada 2010; 2012) recommends using the following environmental components as effect indicators for EEM programs:

- Water quality
- Sediment quality
- Fish population
- Fish tissue
- Benthic invertebrate communities (infauna¹¹)

The 2014 to 2017 MEEMP study design included the above components, except for infauna. Changes to the benthic community were instead evaluated using epifauna¹² and epiflora¹³ as effect indicators using towed underwater video transect surveys. The use of epifauna and epiflora as effect indicators deviated from the standard EEM methodology (Environment Canada 2010; 2012) and presented a number of disadvantages, including 1) high temporal and spatial variability due to the transient nature of most epifaunal species, 2) typical low resolution of video survey data compared to laboratory analysis for species identification, enumeration and substrate classification, and 3) difficulty in distinguishing between live epiflora (e.g. kelp) and dead vegetation debris using video survey methods, which can result in inaccurate data reporting.

Fish studies consisted of population weight-to-length relationships and fish tissue analysis (body burden) collected from accidental mortalities. Prior to 2018, fish tissue sampling was limited to incidental Arctic char mortalities, which fluctuated from year to year and did not always yield enough samples for a meaningful statistical analysis. Sculpin, a resident species (unlike migratory Arctic char), were identified as a target species for body burden analysis during the early stages of the MEEMP. Sculpin tag-recapture studies were conducted between 2014 and 2016 to assess population size. Low catch rates and limited recaptures suggested that their population size in the LSA was too low to support lethal fish collection for subsequent tissue analysis.

In 2017, fish sampling was limited to a two-week period in August, which may not have been representative of the entire open-water shipping season (late July to mid-October).

To address the above issues, the following changes to the MEEMP study design occurred in 2018:

- Benthic infaunal sampling was added as a new study component to the MEEMP program so that infauna could be used as an effects indicator for the EEM program. Infaunal samples were collected along three transects (East, West and Coastal) consistent with the program's radial gradient transect design and in concert with sediment sampling.
- Underwater towed video surveys for benthic epifauna and epiflora were no longer conducted along the full transect lengths. Instead, belt transects (1 m x 5 m plots) were permanently installed on the seabed to serve as sample plots for monitoring of potential Project effects on epifauna and epiflora. Monitoring was conducted using a remotely operated vehicle (ROV) underwater video system. The study design follows a before/after, control/impact (BACI) study approach with five belt plots installed in each of the exposure and reference areas. Taxonomic data is also used to inform the AIS program.

¹¹ benthic invertebrates living within the substrate

¹² benthic invertebrates living on the substrate

¹³ marine vegetation attached to the substrate (e.g. kelp)

- The number of sediment samples analyzed for hydrocarbon concentrations was reduced from three samples to one sample at each station, as hydrocarbon concentrations have been below detection limits (DL) in all samples to date.
- Two new sediment sampling stations were added along the East Transect to account for anticipated construction associated with the proposed Phase 2 ore dock and freight dock. Sampling at both old and new stations will continue in 2019 for comparative purposes.
- A local shellfish species *Hiatella arctica* was added as an additional effects indicator for the fish sampling program. *H. arctica* are a resident species in the Project area, easily identifiable and measurable in the field, and are fairly abundant in the study area (Golder 2018). The species was added to the program as an alternate species in case finfish species (Arctic char or sculpins) are sampled in insufficient numbers to support statistical power requirements. Measurement endpoints included body weight to length ratio and tissue (body burden) analysis. No additional licensing or permit was required for shellfish sample collection.
- Fish sampling was conducted throughout the duration of the MEEMP program (over four weeks, from the end of July to the end of August) for better representation of the shipping season.

Other components of the 2018 MEEMP program remained unchanged from previous years (2014-2017).

2.2 AIS Monitoring

The AIS monitoring program was designed to detect for the potential introduction of non-native species from ballast water discharges and/or hull biofouling. AIS monitoring did not follow a radial gradient design but was based on a Before/After experimental design that focused on areas with the highest likelihood of species invasion (based on ship anchorage and berthing locations and results of ballast water dispersion modelling). Monitoring for AIS was conducted at the surveillance level with detection of a single invasive species established as the threshold for triggering of adaptive management measures and/or potential corrective actions, if deemed feasible. The AIS monitoring program consists of data collected across multiple trophic levels (marine vegetation, zooplankton, benthic invertebrates and fish) to establish a comprehensive inventory of existing marine biota in the Project area that is intended to serve as a point of reference for any new species identified over time, and to evaluate potential changes in community structure that may be linked to AIS introductions. Marine organisms identified during baseline studies in 2008, 2010 and 2013 also contributed to the AIS inventory.

Since ballast water releases occur in Milne Port, AIS sampling conducted to date has largely focused in southern Milne Inlet. Baseline AIS surveys were conducted in 2014 to enhance marine flora and fauna inventories collected during baseline sampling in 2008 and 2013. AIS monitoring undertaken in 2015 and 2016 focused on identification of organisms not previously detected during the baseline program (as primary indicators of invasion). Equivalent AIS monitoring was conducted in Milne Port area during 2017, although the program was expanded to include AIS sampling at Ragged Island in response to public concern over ships potentially discharging ballast water while occupying anchorage sites in this area.

2.2.1 Modifications to the AIS program

In accordance with monitoring requirements outlined in PC Condition No. 91., ROV-based underwater video surveys were conducted of several ore carrier ship hulls in 2018 to assess for potential biofouling and transport of non-native species by Project vessels originating from outside Canadian waters.

Several of the benthic infaunal sampling stations (15-25 m strata) that were part of the 2014-2017 AIS monitoring program were relocated in 2018 to new locations along the three MEEMP transects (Figure 3-2). The benthic infauna samples collected along the North, West and East transects were used as an effects indicator for the EEM program as well as monitoring for the AIS program.

2.3 Physical Oceanography

In 2018, Baffinland Iron Mines Corporation (Baffinland) undertook physical oceanographic monitoring at three sites in Milne Inlet, two at Milne Port and one at Bruce Head. The physical oceanographic monitoring program is intended to address select Terms and Conditions of Project Certificate (PC) No. 005 and to support the 2018 MEEMP and AIS monitoring programs, the 2018 Bruce Head Monitoring Program, the 2018 Narwhal Tagging Program, and validation of ballast water dispersion modelling undertaken in support of the Project. Detailed sampling methodology and results of the Physical Oceanography Program are presented separately in ANNEXE L.

3.0 MATERIALS AND METHODS

The 2018 MEEMP and AIS field monitoring programs were conducted over a five week period (26 July to 28 August) by a five-person field team composed of Golder biologists, local Inuit field technicians, and a local Inuit vessel operator from Pond Inlet, NU. Sampling was conducted from a 28-foot aluminum vessel and an 11-foot zodiac tender vessel based at the Milne Port facility.

3.1 MEEMP

3.1.1 Water Quality

3.1.1.1 Vertical Physical Profiles

Water column profiling was conducted at a total of 17 stations in Milne Inlet including one station near Ragged Island using a SeaBird SBE-19plus Conductivity, Temperature, Depth (CTD) profiler with integrated external sensors (Wetlab ECO-FI chlorophyll *a* fluorometer, SeaBird SBE- 43 Dissolved Oxygen sensor, and SeaBird SBE-10 pH sensor) (

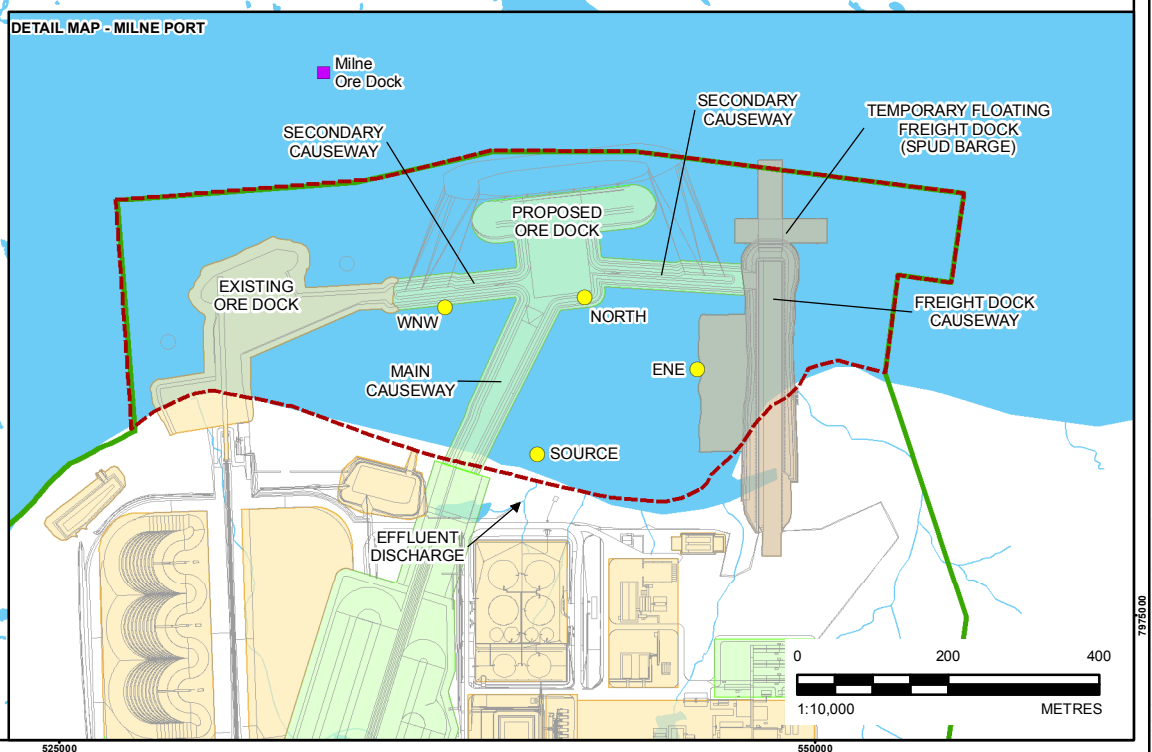
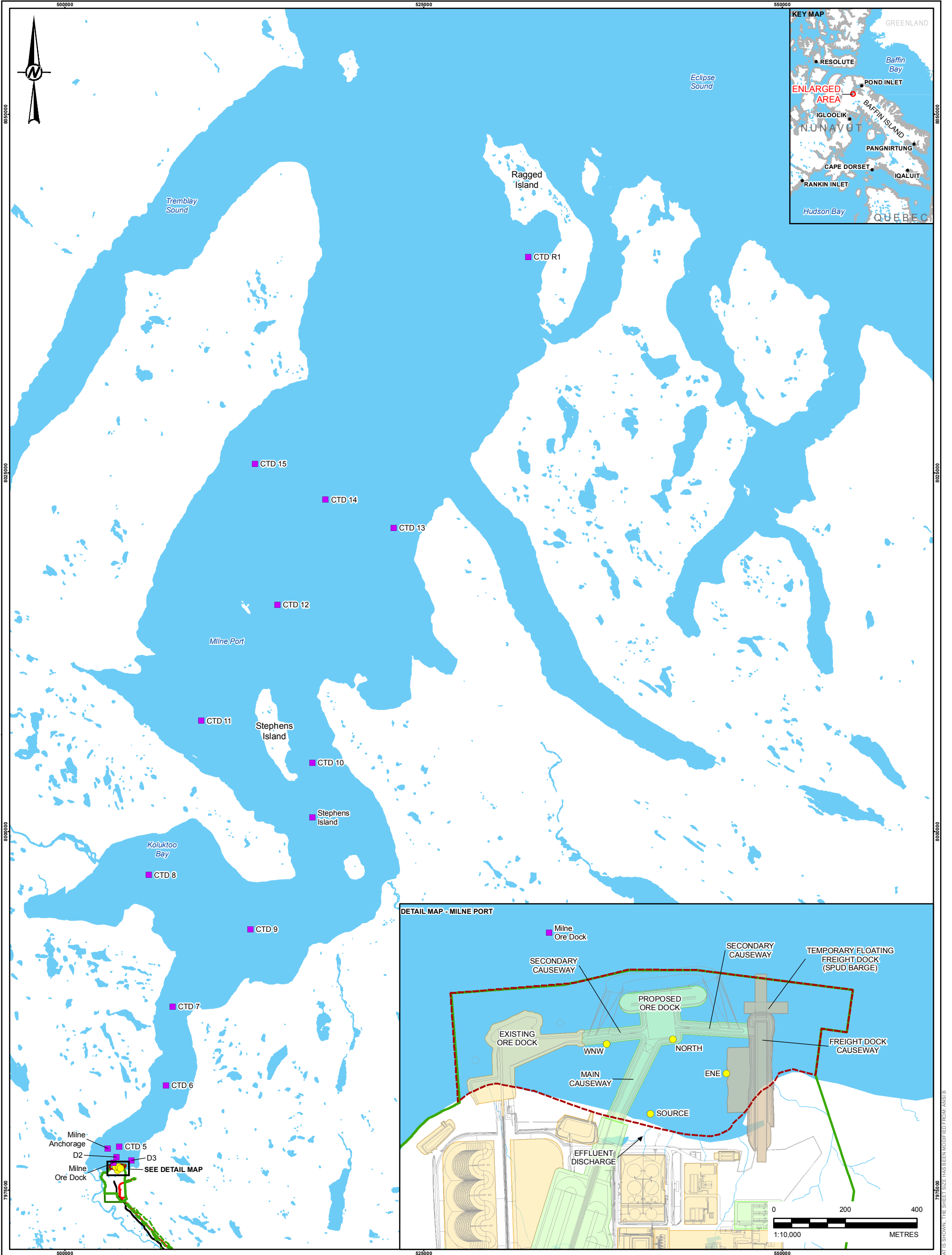
Figure 3-1). The probe was deployed once per station to collect surface-to-bottom measurements of conductivity, temperature, depth, dissolved oxygen, pH, turbidity and chlorophyll *a*. Sampling was conducted between 7 and 9 August (Table 3-1). Water column profiling near Ragged Island (CTD-R1) was conducted near the existing ship anchorage locations.

Vertical depth profiles were used to:

- Characterize water column conditions in Milne Inlet, including identification of potential salinity anomalies.
- Evaluate the physiochemical properties of the marine environment important for biological productivity.
- Determine the depth of the pycnocline (density-based stratification in the water column due to gradient in temperature and/or salinity).
- Characterize water column conditions at existing vessel anchorage sites near Ragged Island.

Table 3-1: Water Column Physical Profile Locations

Station	UTM Zone	Easting (m)	Northing (m)	Date
Milne Anchorage	17W	502982	7977892	9 August
Milne Ore Dock	17W	503379	7976909	9 August
Stephens Island	17W	517231	8000982	7 August
D2	17W	503579	7977309	9 August
D3	17W	504620	7977079	9 August
CTD 5	17W	503784	7978046	9 August
CTD 6	17W	507040	7982289	7 August
CTD 7	17W	507505	7987797	7 August
CTD 8	17W	505830	7996957	7 August
CTD 9	17W	512922	7993184	7 August
CTD 10	17W	517229	8004793	7 August
CTD 11	17W	509487	8007716	7 August
CTD 12	17W	514799	8015793	7 August
CTD 13	17W	522910	8021152	7 August
CTD 14	17W	518155	8023129	7 August
CTD 15	17W	513240	8025627	7 August
CTD R1	17W	532297	8040038	8 August



- LEGEND**
- 2018 CONDUCTIVITY TEMPERATURE DEPTH (CTD) VERTICAL PROFILE
 - WATER QUALITY SAMPLE STATION
 - MILNE INLET TOTE ROAD
 - PROPOSED NORTH RAILWAY
 - WATERCOURSE
 - EXISTING ORE DOCK
 - PROPOSED FREIGHT DOCK AND CAUSEWAY
 - PROPOSED SECOND ORE DOCK AND CAUSEWAYS
 - PDA / QIA COMMERCIAL LEASE
 - REVISED PDA FOR PHASE 2 PROPOSAL
 - INAC FORESHORE LEASE
 - WATERBODY

REFERENCE(S)
 MILNE PORT INFRASTRUCTURE DATA OBTAINED FROM CLIENT, MAY 28, 2018, AND BY HATCH, JANUARY 25, 2017, RETRIEVED FROM KNIGHT PIESOLD LTD. FULCRUM DATA MANAGEMENT SITE MAY 19, 2017. HYDROGRAPHY AND TOPOGRAPHY DATA BY EAGLE MAPPING (2005), RETRIEVED FROM KNIGHT PIESOLD LTD. FULCRUM DATA MANAGEMENT SITE, MAY 2017. HYDROGRAPHY, POPULATED PLACE, AND PROVINCIAL BOUNDARY DATA OBTAINED FROM GEOGRATIS, © DEPARTMENT OF NATURAL RESOURCES CANADA. ALL RIGHTS RESERVED.
 PROJECTION: UTM ZONE 17 DATUM: NAD 83

CLIENT
BAFFINLAND IRON MINES CORPORATION

PROJECT
MARY RIVER PROJECT – MARINE ENVIRONMENTAL EFFECTS MONITORING PROGRAM

TITLE
WATER COLUMN PHYSICAL PROFILE AND DISCRETE WATER QUALITY SAMPLING LOCATIONS

CONSULTANT
GOLDER

YYYY-MM-DD	2019-02-22
DESIGNED	AO
PREPARED	AA
REVIEWED	AO
APPROVED	EJ

PROJECT NO. 1663724 CONTROL 14000 REV. 0 FIGURE 3-1

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM A3S18

3.1.1.2 Discrete Water Quality Sampling

Discrete water quality samples were collected during five weekly sampling events in August to monitor for potential changes in water quality associated with site drainage and treated effluent discharges to the marine environment. Water quality samples were collected at four sampling stations that were previously monitored from 2015-2017 (SEM 2016a; SEM 2017a; Golder 2018): one located at the marine discharge point for treated effluent and site discharge (i.e., Source); and three stations located 250 m offshore of the discharge point in a semi-radial pattern (Figure 3-1; Table 3-2). The treated effluent and site drainage discharge system consists of an upland pipe that terminates in a collection ditch on the upper foreshore. The ditch runs downslope to a marine discharge point located on the beach east of the existing Ore Dock. During sampling, discharge water was observed flowing from the pipe into the collection ditch where it permeated into the ground before reaching the shoreline (water did not directly flow into ocean during the sampling events).

Table 3-2: Marine Water Quality Sampling Locations

Station Name	UTM Zone	Easting (m)	Northing (m)
ENE	17W	503874	7976517
North	17W	503725	7976612
WNW	17W	503540	7976599
Source	17W	503662	7976403

Water sampling was conducted from the field vessel using a 5.0 L Niskin sampler bottle. Samples were collected from approximately 0.5 to 1 m below the surface due to the relatively shallow depth and lack of stratification at the sampling locations. Samples were kept refrigerated in the field until they were shipped (within 48 h from sampling time) to ALS Environmental (ALS), an accredited analytical laboratory. Laboratory analyses of water samples were conducted by ALS and included general chemistry, nutrients, major ions, metals, coliforms, and hydrocarbons. Laboratory analytical results are presented in ANNEXE B-1.

Water quality results were screened against the Canadian Council of Ministers of the Environment (CCME) guidelines for the protection of aquatic life for marine environments (CCME 2014). Mean, minimum and maximum concentrations were calculated for each sampling location over the five sampling events. For statistical calculations, values equal to half of Detection Limit (DL) were used for concentrations below DL.

3.1.2 Sediment Quality

Sediment quality samples were collected along four transects extending out from the ore dock (Figure 3-2). Three transects (East, West and Coastal) were arranged along the 15 metre (m) depth contour. The East and West Transects extended approximately 1,700 m and 1,800 m to the east and the west of the ore dock, respectively. The Coastal Transect started at the eastern terminus of the East Transect and extended north along the 15 m depth contour for approximately 4,250 m. The fourth transect (North Transect) extended directly offshore of the existing ore dock out to 2,000 m, corresponding with a water depth of approximately 100 m.

In addition to the 19 long-term sampling stations established in 2014 and surveyed annually, the 2018 program included two additional stations (B-2 and B-5) along the East transect. These two stations were added in anticipation of future sampling requirements for a second proposed ore dock (east of the existing ore dock). Stations coordinates are shown in Table 3-3.

Table 3-3: Sediment Sampling Locations

Station	UTM Coordinates (Zone 17W)		Approximate Distance along Transect (m)	Depth (m)
	Easting	Northing		
SW-1	503147	7976571	0	18
SW-2	502961	7976466	200	16
SW-3	502721	7976423	500	18
SW-4	502264	7976525	1,000	15
SW-5	501678	7976303	1,500	15
SE-1	503433	7976699	0	17
SE-2	503646	7976741	300	16
SE-3	503911	7976728	500	15
BE-2	504149	7976704	700	15
SE-4	504399	7976653	1,000	15
SE-5*/SC-1	504912	7976638	1,500/0	18
SC-2	504987	7976945	300	15
SC-3	505053	7977456	850	15
BE-5	505066	7977632	1,000	15
SC-4	505505	7978260	2,000	15
SC-5	506964	7979517	4,000	16
SN-1	503303	7976751	0	37
SN-2	503271	7976947	200	57
SN-3	503271	7977197	500	67
SN-4	503271	7977697	1,000	80
SN-5	503271	7978697	2,000	100

Note: *SE-5 is the same as SC-1.

Sediment samples were collected using a Petite Ponar grab sampler with an area of 0.0225 m². Three sediment samples were collected from each station and each sample consisted of one or two grabs depending on grab penetration. Each grab sample was examined for acceptability based on the following criteria:

- sediment did not contain large foreign objects
- grab showed adequate penetration depth and sediment volume greater than 25% full
- grab was not overfilled (i.e., sediments did not touch the top of the grab)
- grab was not leaking (i.e., overlying water was present)
- sample was not disturbed or winnowed (i.e., sediment surface was relatively flat)

Upon acceptance, two terra core samples were taken from the undisturbed sediments and placed into pre-labeled methanol preserved vials to test for volatile organic compounds (VOCs). The remaining top 5 cm of sediment was removed from the centre of the grab (i.e., sediment from the side and bottom of the grab was not collected) using a clean stainless steel spoon and transferred to a clean stainless steel bowl. Sediment samples from single or composite grabs were homogenized until the colour and texture were consistent throughout the sample. Aliquots of the sample of the homogenized sediments were transferred to clean, labelled glass jars. Sediment samples were stored on ice packs in a cooler prior to shipment to the analytical laboratory.

Additional information, including the number of unsuccessful grabs, sediment appearance and odour (if any), presence of debris in sample, presence of live organisms in sample, and deviations from the planned sampling program, were recorded on field data sheets. The date, time, transect name, station number, and global positioning system (GPS) coordinates of each sample were recorded. All sampling gear was rinsed and scrubbed with brushes with a biodegradable laboratory-grade detergent between sampling collections. Samples were stored in coolers in the field and in refrigeration until sent to ALS (within 48 h from sampling time) for the following analyses:

- moisture and pH
- particle size composition
- extractable metals
- total organic carbon (TOC) and inorganic carbon (TIC)
- hydrocarbons (extractable petroleum hydrocarbons [EPHs], volatile organic compounds [VOCs] and polycyclic aromatic hydrocarbons [PAHs]). Hydrocarbon analysis were conducted on one sample from each station only

Analytical results were compiled, and basic statistical calculations, e.g., mean and standard deviation (SD), were performed for each station. Concentrations of metals and hydrocarbons were compared to CCME Interim Sediment Quality Guidelines (ISQGs) and Probable Effect Level (PELs) for the protection of aquatic life in the marine environment (CCME 2014). In addition, metals and hydrocarbons were compared to British Columbia Approved (BC MECCS 2018) and Working Quality Guidelines (BC MOE 2017), and National Oceanic and Atmospheric Administration sediment benchmarks (Buchman 2008) following a feedback received from MEWG. Half of the DL values were used for variables with concentrations below analytical DL for statistical calculations and graphs.

Principal Component Analysis (PCA) was conducted on sediment physical and chemical variables of samples. PCA is an ordination technique that examines ecological distances (differences or similarities) between samples and allows plotting of high dimensional data in two or three-dimensional graphs with the distances between the samples in the graphs representing the ecological distances. For the analysis, concentrations below the laboratory detection limits were converted into half-detects; all concentrations were transformed into their square roots. Variables for which all concentrations were below detection limits (e.g., hydrocarbons, volatile organic compounds) were excluded from the PCA.

Fines content was analyzed using ANCOVA, where the model included main effects of distance from transect origin, year (as a categorical variable), transect, and all possible interactions between the three variables. Data transformations were not needed to meet assumptions. The data assigned to the first station along the Coastal Transect were not included, since they were represented in the last station of the East Transect. Therefore, inferences at transect origin were not made for the Coastal Transect. The effect of distance was modeled as a second-degree orthogonal polynomial to account for the non-linearity in percent fines relative to distance from transect origin. Model residuals were examined to identify departures from ANCOVA assumptions – normality,

homoscedasticity, and linearity in predictors. No outliers were identified in the analysis, therefore all data were used in the model. Following ANCOVA, multiple comparisons were performed at the following covariate values: distances of 0 m (except for the Coastal Transect), 500 m, 1,000 m, and 1,500 m for all transects, in addition to 4,000 m for the Coastal Transect. The model results were compared between years within each distance / transect combination. Tukey's honest significant difference (HSD) procedure was used to correct for family-wise error rate.

The analysis of iron concentrations in sediments was performed in a similar way to the analysis of fines content. However, the model also included a main effect of percent fines and distance. Fines, and iron concentrations were transformed using natural log. Four outlier values were removed during the analysis based on examination of residuals – two values from the Coastal Transect in 2014 (at 4,082 m), one value from the Coastal Transect in 2017 (at 1,820 m), and one value from the West Transect in 2018 (at 90 m). All outliers were shown on the plots depicting raw values and model predictions. Two sets of multiple comparisons were performed – 1) multiple comparisons at observed fines content at each transect / distance / year combination, and 2) multiple comparisons at minimum and maximum values of fines content at each transect across years and distances. The first set of comparisons assesses difference between years based on the observed iron and fines values, whereas the second set of comparisons provides information on changes in iron content when corrected for fines content. In the calculation of multiple comparisons based on observed fines content (i.e., first set of comparisons), all estimates were adjusted to mean natural log-transformed fines for each transect / distance combination. For the second set of comparisons, all estimates were adjusted to the minimum (or maximum) natural log-transformed fines content value for each transect across all years and distances. The analysis of both fines and iron concentration were performed in the statistical package R v.3.5.1 (R 2018).

3.1.3 Substrate, Macroflora, and Benthic Epifauna

Epibenthic studies within the 2018 program consisted of underwater video monitoring of benthic epifauna and macroflora communities within permanent belt transects installed on the sea floor. Nine belt transects (1 m x 5 m rectangular plots with clearly demarcated boundaries to allow for study repeatability and count accuracy) were permanently installed on the sea floor, five in the Project exposure area and four in a reference area (Table 3-4; Figure 3-2). Each belt transect was made of two 1-m-long, 5-cm-diameter aluminum pipes filled with concrete connected by two 5-m-long steel chains attached to the both ends of the pipes. The chains were marked at 1-m intervals to allow for accurate area measurements and species scaling. The belt transects were deployed from the field vessel in water depths of approximately 10 to 20 m. An underwater video camera mounted on an ROV was used to verify that the belt transects were positioned properly.

Substrate, benthic macrofloral and epifaunal communities were surveyed within each belt transect using the underwater video system consisting of two standard resolution video cameras (NTSC standard definition with 3x optical zoom) mounted on a lightweight Seamor Chinook 300F industrial-grade inspection ROV equipped with spotlights, integrated pressure/depth sensor, magnetic compass, and scaling lasers (spaced at 15 cm) that allowed for accurate scaling of seabed features and biota. The video camera on the ROV was connected via umbilical to a video monitor set-up on the deck of the 28 ft aluminum field vessel, where video data was recorded on an external hard drive. The ROV was operated by a trained, subcontracted ROV technician (Andy Clark - Ocean Dynamics Inc.) using manual and automatic thruster, tilt, pitch and heading controls built into a top-side deck-mounted control box.

Underwater video was post-processed by a qualified marine biologist. The recorded underwater video footage was analyzed frame by frame to record percent (%) cover of substrate type and benthic macroflora, according to the classification system outlined in the 2017 MEEMP report. The analysis included taxonomic identification of benthic epifauna down to the lowest practical taxonomic level and their abundance (counts and % cover).

Table 3-4: Belt transect locations

Area	Station	UTM Coordinates (17W)		Average Depth (m)
		Easting (m)	Northing (m)	
Milne Port	TP-1	502828	7976382	9.8
	TP-2	503039	7976480	9.8
	TP-3	504208	7976659	12.4
	TP-4	504363	7976611	12
	TP-5	504802	7976731	12.1
Reference Area	TP-6	506562	7979114	10
	TP-7	506774	7979170	10.9
	TP-8	506957	7979457	11
	TP-9	506997	7979599	10.9
	TP-10	506584	7979115	8

3.1.4 Benthic Infauna

Benthic infauna samples were collected from 15 stations arranged along three transects (East, West and North) extending out from the ore dock along the 15-metre depth (Table 3-5; Figure 3-2). The West Transects extended approximately 1,500 m to the west of the western edge of the existing ore dock, while the East transect extended to the same distance to the east from the eastern extremity of the proposed future ore dock. The North Transect extended directly offshore of the existing ore dock out to 2,000 m, corresponding with a water depth of approximately 100 m. Sediment quality samples were also collected from the stations where benthic infauna samples were collected (Section 3.1.2).

Table 3-5: Benthic Infauna Sampling Station Locations.

Station	UTM Coordinates (Zone 17 W)		Approximate Distance along Transect (m)	Approximate depth (m)
	Easting	Northing		
BW-1	503147	7976571	0	15
BW-2	502961	7976466	200	15
BW-3	502721	7976423	500	15
BW-4	502264	7976525	1,000	15
BW-5	501678	7976303	1,500	15
BE-1	503911	7976728	0	15
BE-2	504149	7976704	200	15
BE-3	504399	7976653	500	15
BE-4	504912	7976638	1,000	15
BE-5	505066	7977632	2,000	15
SN-1	503303	7976751	0	40
SN-2	503271	7976947	200	60
SN-3	503271	7977197	500	70
SN-4	503271	7977697	1,000	80
SN-5	503271	7978697	2,000	100

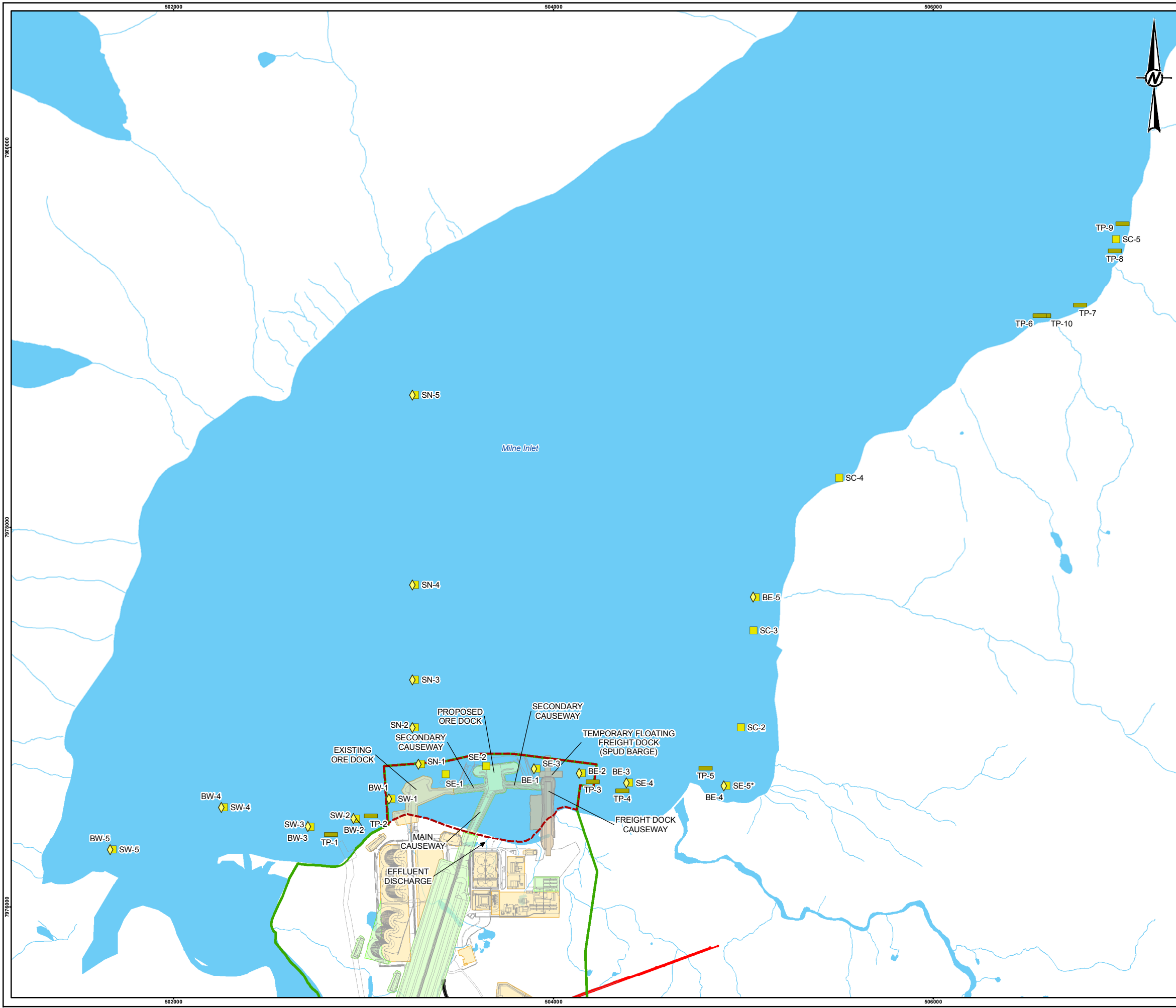
Benthic infaunal samples were collected in triplicate from each station using a Petite Ponar grab sampler with an area of 0.0225 m², each replicate consisting of three to six grab samples, depending on grab penetration. Each benthic sample was examined for acceptability, based on the following criteria:

- sediment did not contain large foreign objects;
- grab showed adequate penetration depth and sufficient sediment volume (at least 25% to 60-70% full);
- grab was not overfilled (i.e., sediments did not touch the top of the grab);
- grab was not leaking (i.e., overlying water was present); and
- sample was not disturbed or winnowed (i.e., sediment surface was relatively flat).

Upon acceptance, contents of the grab sampler were transferred to an aluminum sieving table. The contents were gently rinsed through a 0.5 mm mesh sieve with filtered seawater and preserved in a 10% buffered formalin solution in pre-labeled 1 L wide-mouth high density polyethylene (HDPE) sample jars. Larger organisms were removed during the rinsing process using forceps and preserved in separate jars to avoid crushing by hard substrate material. The containers were then sealed and inverted several times to promote homogenization with the formalin. Containers were labeled internally (water-resistant labels) and externally. Field observations (e.g., sediment characteristics) were recorded on field data sheets. Samples were sent to Biologica Environmental Services (Biologica) for analysis of taxonomic composition (identified to the lowest practical taxonomic levels) and abundance. A high level of analytical precision was achieved in 2018 consistent with the level of 2017 studies. Taxonomic and abundance data were used to estimate community indices including density (org/m²), biomass, relative abundance and relative biomass of main taxa, diversity and richness.

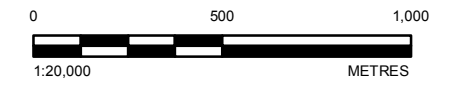
Shellfish species *H. arctica* was used to conduct fish condition (energy storage) monitoring as an alternative to fish conditions monitoring (Section 3.1.5.3). Data for shellfish conditions was collected from the same stations as sediment and benthic invertebrate samples. The first five to ten shellfish specimens were collected from sediment or benthic invertebrate sample grabs and measured for length and weight to the nearest millimeter and 0.001 g respectively. Processed shellfish were released back to the water, if collected from a sediment sample, or returned to the sample jar, if taken from a benthic invertebrate sample or used for tissue analysis. The recorded data was used to determine body-length-to-body-weight relationships.

H. arctica tissue samples were collected at each benthic invertebrate sampling station. For shellfish tissue, samples were collected in Ziplock bags, frozen and shipped to the ALS analytical laboratory for analysis of metal concentrations, including mercury.



LEGEND

- BELT TRANSECT
- ◆ BENTHIC INFAUNA SAMPLE STATION
- SEDIMENT SAMPLE STATION
- PDA / QIA COMMERCIAL LEASE
- MILNE INLET TOTE ROAD
- PROPOSED NORTH RAILWAY
- WATERCOURSE
- INAC FORESHORE LEASE
- EXISTING ORE DOCK
- PROPOSED FREIGHT DOCK AND CAUSEWAY
- PROPOSED SECOND ORE DOCK AND CAUSEWAYS
- WATERBODY



REFERENCE(S)
 MILNE PORT INFRASTRUCTURE DATA OBTAINED FROM CLIENT, MAY 28, 2018, AND BY HATCH, JANUARY 25, 2017, RETRIEVED FROM KNIGHT PIESOLD LTD. FULCRUM DATA MANAGEMENT SITE MAY 19, 2017. HYDROGRAPHY AND TOPOGRAPHY DATA BY EAGLE MAPPING (2005), RETRIEVED FROM KNIGHT PIESOLD LTD. FULCRUM DATA MANAGEMENT SITE, MAY 2017. HYDROGRAPHY, POPULATED PLACE, AND PROVINCIAL BOUNDARY DATA OBTAINED FROM GEOGRATIS, © DEPARTMENT OF NATURAL RESOURCES CANADA. ALL RIGHTS RESERVED. PROJECTION: UTM ZONE 17 DATUM: NAD 83

CLIENT
BAFFINLAND IRON MINES CORPORATION

PROJECT
MARY RIVER PROJECT – MARINE ENVIRONMENTAL EFFECTS MONITORING PROGRAM

TITLE
MEEMP SEDIMENT, BENTHIC INFAUNA AND BELT TRANSECT SAMPLING LOCATIONS

CONSULTANT	YYYY-MM-DD	2019-02-22
DESIGNED	AO	
PREPARED	AA	
REVIEWED	AO	
APPROVED	EJ	

PROJECT NO. 1663724 CONTROL 14000 REV. 0 FIGURE 3-2

PATH: I:\3115\1663724\MapInfo\MapInfo\14000_MEEMP\Fig_3_Sediment_BenthicInfauna_BeltTransects_Rev0.mxd PRINTED ON: 2019-02-22 AT: 9:04:10 AM

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3.1.5 Fish

3.1.5.1 Permitting

The following scientific data collection permits were obtained prior to the start of the 2018 fish sampling program:

- Fisheries and Oceans Canada (DFO) Licence to Fish for Scientific Purposes Permit #: S-18/19-1028-NU
- DFO Animal Use Protocol Permit # FWI-ACC-2018-42

Copies of the permits are provided in ANNEXE G-1.

3.1.5.2 Fish Collection

Fish sampling was conducted in the Milne Port area from 29 July to 27 August using both active (gill netting, angling, beach seine) and passive (Fukui traps) capture methods (Figure 3-3). Fish sampling locations and methods were consistent with those in previous years. The effort was spread over four weeks to capture as much of the open-water season conditions as possible.

Angling (jigging and trolling) was conducted over a total of six days between 10 and 27 August to characterize bottom and demersal fish in the LSA (Table 3-6). The duration of sampling was activity-dependent; with a single trolling event occurring for 60 minutes, and jigging occurring between 20 and 85 minutes (n=12). Sampling start and end positions were recorded using a Garmin GPS and logged in a field notebook. Jigging occurred from a stationary position with one or two rods and lines deployed from the vessel. Baited hooks or spoon lures (flashers) were allowed to hit the bottom, then flicked upward to attract bottom fish. Trolling occurred along a pre-determined depth contour where lines with flashers were cast over the side of the vessel and spooled in towards the vessel at a known depth to attract pelagic fish.

Table 3-6: Summary of 2018 Fish Sampling - Angling (Jigging and Trolling)

Fishing Type	Station Name	Date	Duration (hour:min)	Zone	GPS Coordinates	
					Easting	Northing
Trolling	AN01	10-Aug-18	1:00	17W	504981	7977364
Jigging	AN02	20-Aug-18	1:00	17W	503086	7976509
Jigging	AN03	21-Aug-18	1:00	17W	503092	7976482
Jigging	AN04	21-Aug-18	0:22	17W	503216	7976593
Jigging	AN05	21-Aug-18	0:30	17W	505077	7976783
Jigging	AN06	25-Aug-18	0:45	17W	503087	7976465
Jigging	AN07	26-Aug-18	0:30	17W	502813	7976414
Jigging	AN08	26-Aug-18	1:00	17W	502715	7976475
Jigging	AN09	26-Aug-18	0:20	17W	503131	7976542
Jigging	AN10	27-Aug-18	1:25	17W	504837	7976645
Jigging	AN11	27-Aug-18	0:30	17W	504569	7976670
Jigging	AN12	27-Aug-18	0:40	17W	504132	7976566
Jigging	AN13	27-Aug-18	0:45	17W	503485	7976601

Standardized monofilament gill nets were used to sample shallow (i.e., up to 15 m deep) subtidal areas for characterization of pelagic fish communities present in the Milne Port area. A total of 24 gill net sets occurred from 29 July to 26 August (Table 3-7). Each gill net consisted of six panels with each panel measuring 15.2 m in length and 2.4 m in width, with mesh sizes of each panel consisting of 2.5 cm, 3.8 cm, 5.1 cm, 6.4 cm, 7.6 cm and 10.2 cm. The gill nets were deployed in a shore-perpendicular orientation (smallest mesh size closest to shore) and suspended just below the water surface and were checked every two hours for fish presence over the duration of deployment. Sampling locations were recorded using a Garmin GPS and logged in a field notebook. Total soak durations ranged from 1 hour and 55 minutes to 7 hours and 45 minutes with an average soak duration of 4 hours and 20 minutes. An exception was gill net set GN08, which was left deployed for 25 hours and 40 minutes due to strong winds that prevented timely checking and retrieval of the net. The total duration of the gill net effort was 151 hours and 45 minutes.

Table 3-7: Summary of 2018 Fish Sampling - Gill Net

Station	Date	Total Duration (h:min)	Number of Checks ¹	Zone	GPS Coordinates			
					Start		End	
					Easting	Northing	Easting	Northing
GN01	29-Jul-18	2:00	0	17W	503051	7976447	503073	7976529
GN02	30-Jul-18	3:55	1	17W	502953	7976414	502892	7976468
GN03	30-Jul-18	4:00	1	17W	502168	7976460	502168	7976552
GN04	30-Jul-18	1:55	0	17W	504828	7976690	504790	7976627
GN05	30-Jul-18	2:00	0	17W	505038	7976635	504995	7976703
GN06	30-Jul-18	2:00	1	17W	504453	7976582	504491	7976501
GN07	2-Aug-18	7:40	0	17W	504378	7976527	504428	7976583
GN08	2-Aug-18	25:40	0	17W	505046	7976907	505128	7976935
GN09	4-Aug-18	7:20	3	17W	502704	7976276	502741	7976350
GN10	4-Aug-18	5:10	2	17W	505179	7977477	505098	7977480
GN11	4-Aug-18	5:25	2	17W	505145	7977216	505060	7977230
GN12	9-Aug-18	7:20	3	17W	502510	7976273	502567	7976333
GN13	9-Aug-18	7:45	3	17W	502772	7976280	502798	7976363
GN14	12-Aug-18	7:25	3	17W	504468	7976514	504423	7976589
GN15	12-Aug-18	4:10	2	17W	504602	7976590	504569	7976662
GN16	12-Aug-18	3:00	1	17W	504294	7976477	504280	7976557
GN17	12-Aug-18	2:00	1	17W	503415	7976531	503487	7976507
GN18	20-Aug-18	2:00	0	17W	503115	7976431	503044	7976484
GN19	20-Aug-18	2:05	0	17W	502643	7976231	502665	7976320
GN20	21-Aug-18	3:45	1	17W	502177	7976192	502237	7976235
GN21	25-Aug-18	4:00	1	17W	505172	7976856	505091	7976804
GN22	25-Aug-18	4:00	1	17W	504968	7976573	505004	7976661
GN23	26-Aug-18	5:40	2	17W	502974	7976375	502924	7976442
GN24	26-Aug-18	5:50	2	17W	502623	7976287	502663	7976388

Notes: ¹ Number of checks represents the number of times the field team checked the net and sampled fish with the net remaining in the same location

Fukui traps were used to sample demersal fish in the Milne Port area from 10 to 27 August 2018 (Table 3-8). Sampling was conducted with sets consisting of five traps connected with a line, each trap measuring 61 cm x 46 cm x 20 cm, with 1.25 cm stretch mesh and equipped with a bait container. Traps were baited with Arctic char and deployed for several days at each station. Traps were periodically checked (normally every day) and, upon retrieved, bait containers were refilled if necessary, prior to redeployment. There were 11 Fukui trap stations in total. Fishing locations were recorded using a Garmin GPS and logged in a field notebook.

Table 3-8: Summary of 2018 Fish Sampling - Fukui Traps

Station	Date		Duration (h:min)	Zone	GPS Coordinates	
	Set	Pull			Easting	Northing
FT01	10-Aug-18	17-Aug-18	166:55	17W	502579	7976727
FT02	10-Aug-18	17-Aug-18	173:20	17W	502836	7976443
FT03	10-Aug-18	17-Aug-18	172:40	17W	503023	7976492
FT04	10-Aug-18	17-Aug-18	166:15	17W	502848	7976462
FT05	17-Aug-18	25-Aug-18	191:30	17W	503529	7976632
FT06	17-Aug-18	25-Aug-18	190:45	17W	504234	7976593
FT07	17-Aug-18	21-Aug-18	92:30	17W	503014	7976494
FT08	17-Aug-18	21-Aug-18	92:20	17W	503127	7976472
FT09	21-Aug-18	27-Aug-18	140:44	17W	502990	7976408
FT10	21-Aug-18	27-Aug-18	140:50	17W	502919	7976408
FT11	25-Aug-18	27-Aug-18	48:15	17W	502499	7976284

Seine nets were used to sample fish in near shore habitat in Milne Port on 21 and 26 August in six sampling events (Table 3-9). Sampling was conducted using a 1.5 m by 10 m seine net. Sampling effort took an average of 5 minutes to sample total areas ranging from 200 m² to 750 m² at a mean depth of 1 m. Sampling locations were recorded using a Garmin GPS and logged in a field notebook.

Table 3-9: Summary of 2018 Fish Sampling - Seine Net

Station	Date	Total Duration (h:min)	Area Sampled (m ²)	Zone	GPS Coordinates			
					Start		End	
					Easting	Northing	Easting	Northing
SN01	21-Aug-18	0:10	200	17W	503064	7976442	503084	7976448
SN02	21-Aug-18	0:05	600	17W	503016	7976412	502983	7976365
SN03	21-Aug-18	0:05	750	17W	503016	7976412	502928	7976321
SN04	26-Aug-18	0:05	400	17W	503508	7976424	503545	7976420
SN05	26-Aug-18	0:05	420	17W	504271	7976475	504314	7976466
SN06	26-Aug-18	0:05	500	17W	502444	7976268	502494	7976266

The shellfish species *Hiatella arctica* (wrinkled rock-borer clam) was collected from benthic invertebrate samples (see Section 3.1.4) as an additional effects indicator for the fish sampling program in case insufficient numbers of finfish species (e.g. Arctic char or sculpins) were sampled to support statistical power requirements. Up to 10 specimens of *H. arctica* from each benthic invertebrate station were measured for body weight to length ratio. Samples from each benthic infauna station, where available, were frozen and sent to ALS analytical laboratory for metals in tissue (body burden) analysis.

3.1.5.3 Fish Processing

All fish collected were transferred to aerated buckets with seawater prior to processing. Representative photographs were taken for each species and life stage at each station. Fish were identified to species, measured for length and weight and returned to aerated buckets to allow for recovery prior to release to the approximate area of capture.

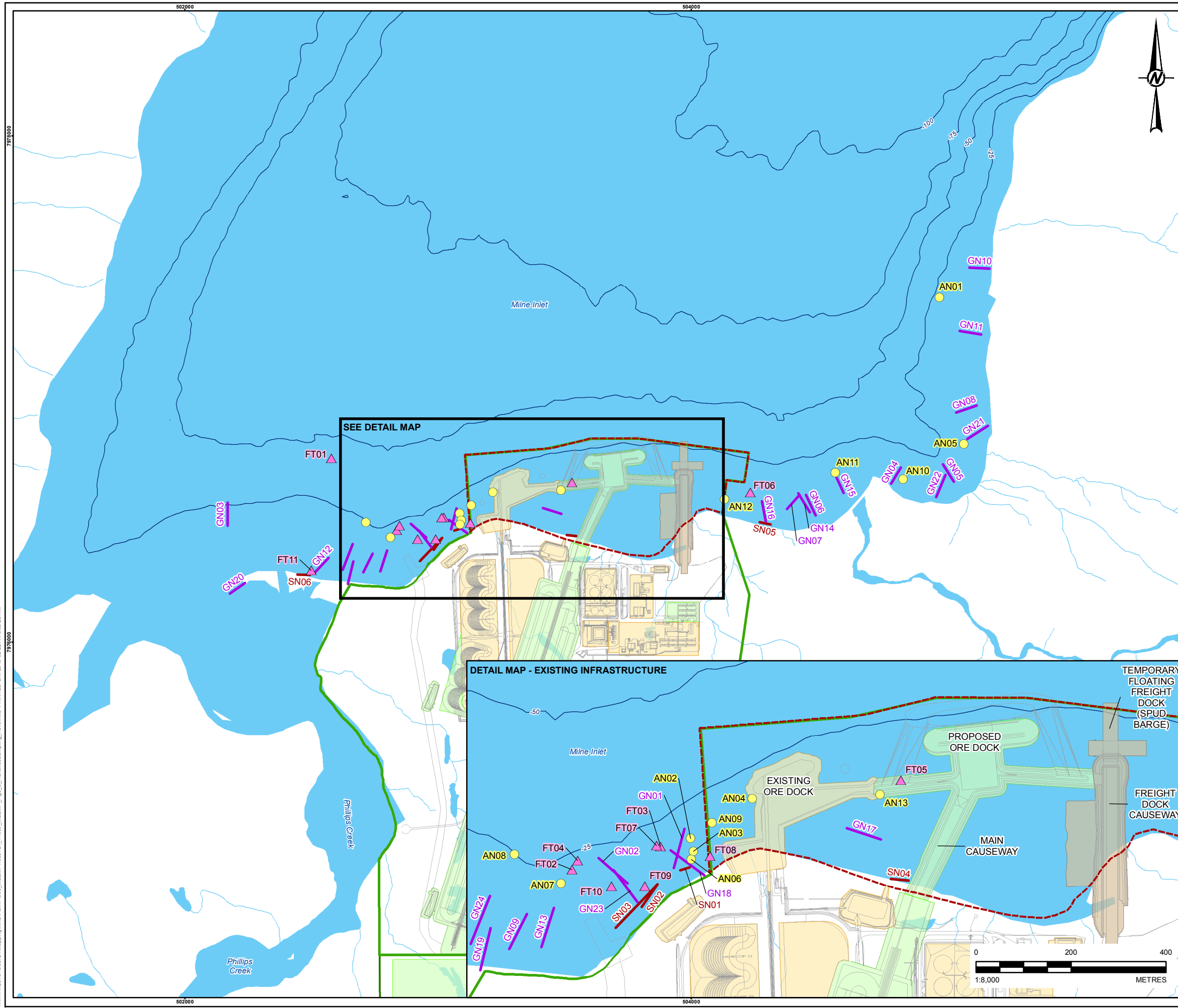
Incidental fish mortalities were retained for aging, stomach content and body burden analysis. Whole fish were kept frozen until they were packaged and shipped in a cooler to Biologica Environmental Services (Biologica) in Victoria, British Columbia for laboratory assessments described in more detail in ANNEXE G-6.

A stomach assessment was conducted prior to dissection, including measurements of percent fullness and percent digestion. The stomach was separated from the intestines anterior of the pyloric caecae and discarded. A longitudinal incision was made with a scalpel, avoiding damage to the contents, to reveal the food bolus. At this time, stomach fullness was estimated by considering two factors: the degree of distention of the stomach, and the weight of the bolus relative to the size of the fish. The bolus was dissected, working anterior-posterior, and its identifiable components weighed to the nearest 0.0001g. Prey items were identified to the lowest practicable taxonomic level (species when possible). Digested and unidentifiable material were categorized (e.g., unidentified parts, digested tissue, non-food, etc.). Each identifiable unit (taxon or category) was placed in small drops of water on a petri dish to prevent desiccation during the identification process. All prey categories (taxa and unidentifiable categories) were blotted and weighed to the nearest 0.01 mg of wet weight (wwt).

Whole fish were examined for lesions or tumors. The internal organs and head were removed prior to tissue collection to prevent contamination of the tissue, should an organ be punctured during tissue removal. The tissue was removed from the dorsal musculature with a knife, rinsed and wrapped in new food-grade aluminum foil and placed in clean labeled bags. Samples were kept frozen in a cooler with ice packs until delivery to Maxxam Analytics (Maxxam) in Victoria, BC for analysis. Maxxam analyzed the wet weight tissue samples for metal concentrations by atomic spectroscopy. The certificate of analysis and chain of custody between Biologica and Maxxam are provided in ANNEXE G-5.

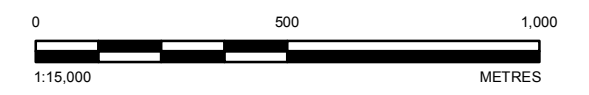
For fish aging, the sagittal otoliths were removed from each fish head, cleaned and placed in labelled vials. Whole otoliths were placed in a glass petri dish with distilled water and examined over a black background using a dissecting scope (10-40x magnification). Incomplete or weak bands were considered malformed or damaged and were not processed.

Summary statistics and regressions for each species were calculated using Microsoft Excel. Relative abundance, length frequency distributions, age-length relationship, length-weight relationships, and major taxa abundances in stomach contents were plotted using SigmaPlot version 14.0. SYSTAT version 13 was used to compare the relationship interaction between sample years by multiplicative ANCOVA. When a significant interaction was determined between years ($p < 0.050$) the multiplicative ANCOVA was simplified to an additive ANCOVA, following the EEM guidance (Section 8.3.3.2.5, Environment Canada 2012).



LEGEND

- ANGLING (JIGGING) SAMPLE LOCATION
- ▲ FUKUI TRAP SAMPLE LOCATION
- GILL NET SAMPLE LOCATION
- SEINE NET SAMPLE LOCATION
- BATHYMETRIC CONTOUR (25 m INTERVAL)
- PDA / QIA COMMERCIAL LEASE
- WATERCOURSE
- ▭ EXISTING ORE DOCK
- ▭ PROPOSED FREIGHT DOCK AND CAUSEWAY
- ▭ PROPOSED SECOND ORE DOCK AND CAUSEWAYS
- ▭ INAC FORESHORE LEASE
- ▭ WATERBODY



REFERENCE(S)
 BATHYMETRY CREATED BY GOLDER FROM MULTIPLE DATA SOURCES. HYDROGRAPHY AND TOPOGRAPHY DATA BY EAGLE MAPPING (2005), RETRIEVED FROM KNIGHT PIESOLD LTD. FULCRUM DATA MANAGEMENT SITE, MAY 2017. MILNE PORT INFRASTRUCTURE DATA OBTAINED FROM CLIENT, MAY 28, 2018, AND BY HATCH, JANUARY 25, 2017, RETRIEVED FROM KNIGHT PIESOLD LTD. FULCRUM DATA MANAGEMENT SITE MAY 19, 2017. HYDROGRAPHY, POPULATED PLACE, AND PROVINCIAL BOUNDARY DATA OBTAINED FROM GEOGRATIS, © DEPARTMENT OF NATURAL RESOURCES CANADA. ALL RIGHTS RESERVED.
 PROJECTION: UTM ZONE 17 DATUM: NAD 83

CLIENT
BAFFINLAND IRON MINES CORPORATION

PROJECT
MARY RIVER PROJECT – MARINE ENVIRONMENTAL EFFECTS MONITORING PROGRAM

TITLE
FISH SAMPLING LOCATIONS

CONSULTANT	YYYY-MM-DD	2019-02-22
	DESIGNED	AO
	PREPARED	AA
	REVIEWED	AO
	APPROVED	EJ

PROJECT NO.	CONTROL	REV.	FIGURE
1663724	14000	0	3-3

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3.2 AIS

Zooplankton, benthic infauna and encrusting epifauna samples were sent to Biologica for taxonomic identification and enumeration. Specimens were identified to the lowest possible taxonomic level. The list of identified taxa was compared to the taxa inventory from previous survey years and any taxa that had not been identified during previous AIS and MEEMP surveys in Milne Inlet were assessed further to determine if their known distributions and ranges included north Atlantic, Arctic and/or Canadian Arctic waters. These taxa were also compared against a global invasive species database (Molnar et al. 2008), as well as a known invasive species list within the National Risk Assessment for Introduction of Aquatic Nonindigenous Species to Canada by Ballast Water (Casas-Monroy et al. 2014).

Species were not always identified to the species level due to a variety of limitations. Species descriptions are often based on adult samples, and immature specimens may lack the features present in the adult that are required for specific identification (Steinerstauch 2019, pers. comm.). Fragmented samples, or samples damaged during collection, may also be missing identifying features that would be used to determine species. Incomplete species records and descriptions also lead to limitations in specific identification (Steinerstauch 2019, pers. comm.).

3.2.1 Zooplankton

Zooplankton samples were collected at Milne Port and at Ragged Island using a combination of vertical and horizontal oblique tows (Table 3-10; Figure 3-6). Vertical hauls were conducted at seven sampling stations in the Milne Port area, including one sample collected alongside an ore carrier (Arkadia) during ballast water discharge, and four stations at Ragged Island. Vertical hauls were conducted by lowering a 0.3 m diameter plankton net (63 µm mesh size) to 1 to 3 m above the bottom and then raising the net by hand to the surface at a rate of approximately 1 m/s (visually estimated). Three replicate hauls were conducted at each station and combined into a single composite sample following methodology from previous years (SEM 2017a; Golder 2018).

Horizontal oblique tows were conducted along six transects in Milne Port consistent with the studies conducted in 2017. Horizontal oblique tows were conducted by towing a 0.5 m diameter net (50 m mesh size) at a speed of approximately 8-10 km/h for a period of at least ten minutes per tow. Tows were conducted near the surface in a sinusoidal fashion by means of regular transitions in tow speed (1-minute towing, 1-minute idling), which allowed the weighted net to periodically sink and rise during active sampling. This helped to avoid sampling only in the upper few metres of the water column. The sinusoidal oblique tow approach was used to help catch a more representative sample of zooplankton in the water column and to catch faster moving larvae (e.g., fish larvae, larger crustaceans). Tows were collected as a single composite sample for each transect.

All zooplankton samples were preserved in 5% formalin and submitted to Biologica for taxonomic identification and enumeration. A list of zooplankton species collected in 2018 was compared to the species inventory from previous years. Taxa that had not been identified previously in Milne Inlet were further investigated to determine if they were invasive. In addition, taxa were compared against a global invasive species database (Molnar et al. 2008), as well as a known invasive species list within the National Risk Assessment for Introduction of Aquatic Nonindigenous Species to Canada by Ballast Water (Casas-Monroy et al. 2014).

Table 3-10: Zooplankton sampling locations

Station	UTM Zone	Start Coordinates (17 W)		End Coordinates (17 W)	
		Easting (m)	Northing (m)	Easting (m)	Northing (m)
Horizontal tows					
ZH-1	17W	502484	7976593	502278	7977327
ZH-2	17W	502888	7976532	502527	7977169
ZH-3	17W	502999	7976642	502425	7977013
ZH-4	17W	503604	7976846	502995	7977281
ZH-5	17W	504360	7978026	502767	7977657
ZH-6	17W	502247	7976849	503673	7977153
Vertical tows					
ZV-1	17W	502768	7976524	n/a	n/a
ZV-2	17W	502866	7976548	n/a	n/a
ZV-3	17W	503028	7976580	n/a	n/a
ZV-4	17W	503570	7976801	n/a	n/a
ZV-5	17W	503793	7976782	n/a	n/a
ZV-6	17W	502576	7976603	n/a	n/a
NBWD Arkadia	17W	503192	7976607	n/a	n/a
BR1	17X	533494	8043032	n/a	n/a
BR2	17X	533668	8042953	n/a	n/a
BR3	17X	532428	8042298	n/a	n/a
BR4	17X	532336	8042130	n/a	n/a

3.2.2 Benthic Infauna

In addition to samples collected as a part of the MEEMP (Section 3.1.4), benthic infaunal samples for the AIS program were collected from eight stations at Milne Port and two stations at Ragged Island split between two depth strata: 3-15 m and 25-35 m (Table 3-11; Figure 3-6). Three samples were collected at each station with the exception of Ragged Island, where a single sample was collected from each of the two stations. Samples were collected using a Petite Ponar grab sampler following the same procedures as described in Section 4.1.4.

Collected samples were analyzed for taxonomic composition (identified to the lowest practical taxonomic levels) and abundance by Biologica together with benthic infauna samples collected for the MEEMP (Section 3.1.4). The benthic infauna species list developed during previous studies was updated and examined for presence of new species identified in 2018. Taxa that had not been previously identified in Milne Inlet were further investigated to determine if they were invasive. In addition, taxa were compared against a global invasive species database (Molnar et al. 2008), as well as a known invasive species list within the National Risk Assessment for Introduction of Aquatic Nonindigenous Species to Canada by Ballast Water (Casas-Monroy et al. 2014). Any taxa identified as potentially non-indigenous were sent to Phillippe Archambault's Benthic Ecology Lab for independent verification.

A taxa accumulation curve (Figure 4-32) was calculated for samples collected in Milne Inlet and Ragged Island to compare sampling effort with previous AIS monitoring surveys and to provide an estimate of the effort required

to fully characterize the benthic infauna community. The non-parametric species estimator Chao 2 was calculated for 2018 following the methods used in SEM 2017a (Table 4-21). During taxonomic identification, some specimens were not identifiable, but were identified to the lowest possible taxonomic level (e.g. *Macoma* sp.). These specimens may have represented a species that had already been identified (e.g. *Macoma balthica*). In the accumulation curve and Chao 2 analyses, it was assumed that all taxonomic designations were representative of unique taxa and were included in the analysis, which may have resulted in an over-estimate of the expected number of taxa within an infinite number of samples.

Table 3-11: AIS benthic infauna sampling locations

Area	Station ID	ETM Zone	Easting (m)	Northing (m)	Depth range (m)
Milne Port	BM-1	17W	502746	7976358	3-15
	BM-3	17W	502759	7976475	25-35
	BM-4	17W	502913	7976421	3-15
	BM-6	17W	502878	7976514	25-35
	BM-7	17W	503064	7976495	3-15
	BM-9	17W	503030	7976576	25-35
	BM-10	17W	503565	7976688	3-15
	BM-12	17W	503565	7976778	25-35
Ragged Island	BR-1	17X	533494	8043032	3-13
	BR-4	17X	532336	8042130	15-25

3.2.3 Macroflora and Benthic Epifauna

Macroflora and benthic epifauna data were collected using underwater video surveys conducted along the length of each of the four previously established AIS transects (Figure 3-6) using the ROV. The collected underwater video footage was examined to identify macrofloral and epifaunal species to the lowest practical taxonomic level. Data recorded included presence only, rather than enumeration, since relative abundance of species was not of interest for the AIS monitoring program (ANNEXE J).

3.2.4 Fish and Mobile Epifauna

Taxonomic data on fish and mobile epifauna collected as part of the MEEMP and AIS during fish sampling and underwater video surveys (Section 3.1.5) were used to update the AIS fish and mobile epifauna database.

3.2.5 Encrusting Epifauna

During the 2018 field season, Golder recovered three settlement baskets that had been originally deployed by SEM in 2016 from the west side of the ore dock, adjacent to the caisson (Figure 3-6). The baskets were initially deployed by SEM in August 2016 and recovered by Golder in September 2017, at which point it was determined an insufficient amount of colonization had occurred on the rocks to allow for sample collection and analysis. A total of five settlement plates were attached to the line to provide additional surface area for colonization and the baskets were redeployed. The baskets and plates were recovered on 13 August 2018 for sample collection after a total deployment period of approximately 24 months.

Golder also recovered three settlement baskets that were deployed in September 2017 on the east side of the ore dock adjacent to the caisson (Figure 3-6). The rocks in the baskets on the east side of the ore dock exhibited a lower amount of colonization than those from the baskets on the west side, likely due to a shorter deployment time. However, colonization was deemed sufficient to allow for sample collection and analysis. The baskets and plates were recovered on 13 August 2018 for sample collection after a total deployment period of 11 months.

The amount of epifaunal colonization on rocks and plates in both locations was relatively low (Figure 3-4). After observation of the rocks and plates and consultation with the taxonomic laboratory, it was deemed that submission of whole rocks and plates rather than scraped epifaunal samples would result in the highest quality samples for taxonomic analysis (Figure 3-5). As a result, whole rocks and plates were collected and preserved in 10% formalin to preserve sample integrity. A single composite sample from each location was collected and sent to Biologica for enumeration and identification to the lowest practical taxonomic level (ANNEXE K). In each location, settlement baskets and settlement plates were redeployed after sample collection for recovery in 2019.

Table 3-12: Settlement Basket Recovery Locations

Location	Sample Name	UTM Coordinates (Zone 17W)		Deployment Period
		Easting	Northing	
East Side of Ore Dock	SBEO-1	503229	7976590	24 months
West Side of Ore Dock	SBWO-1	503346	7976648	12 months



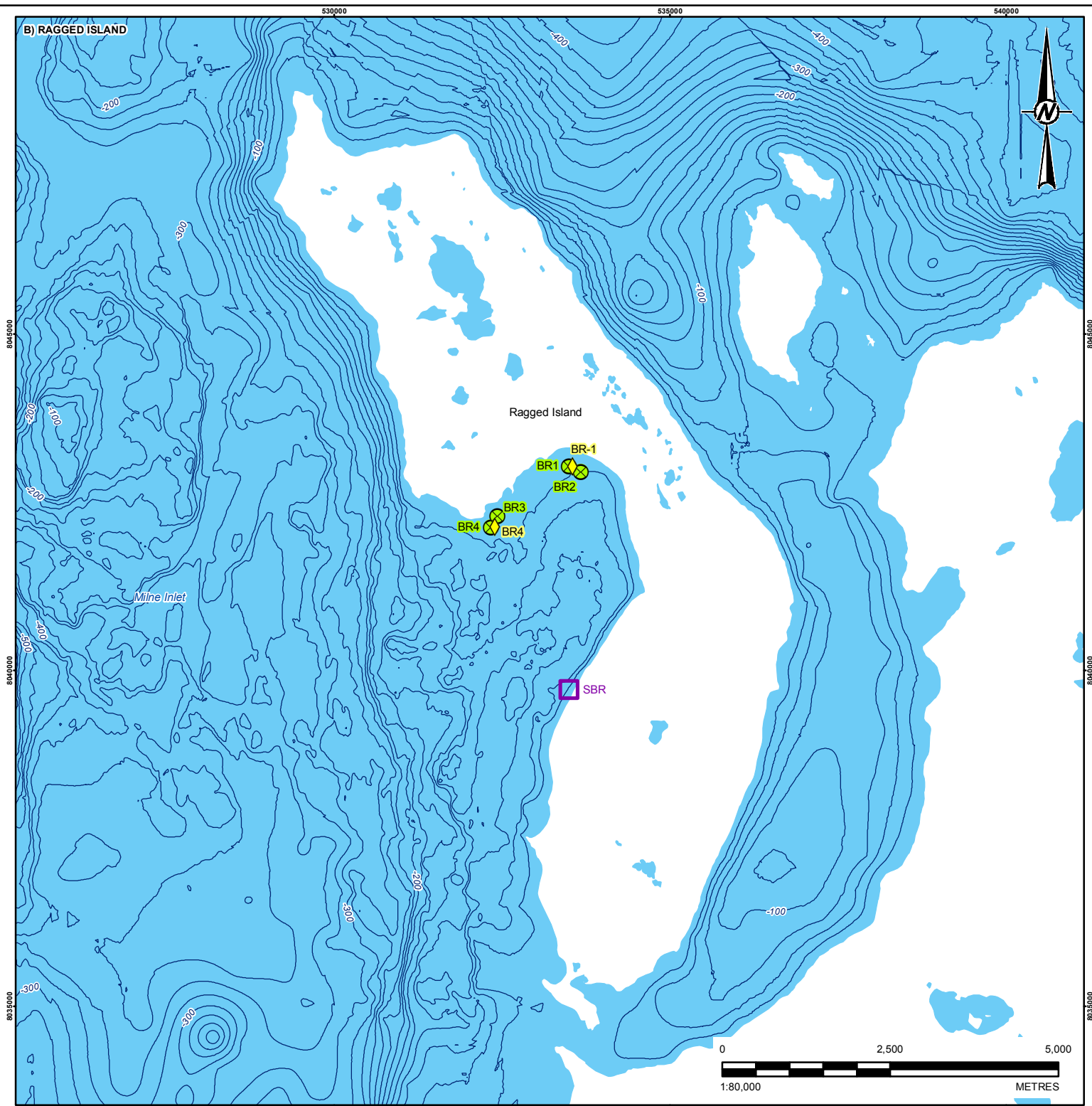
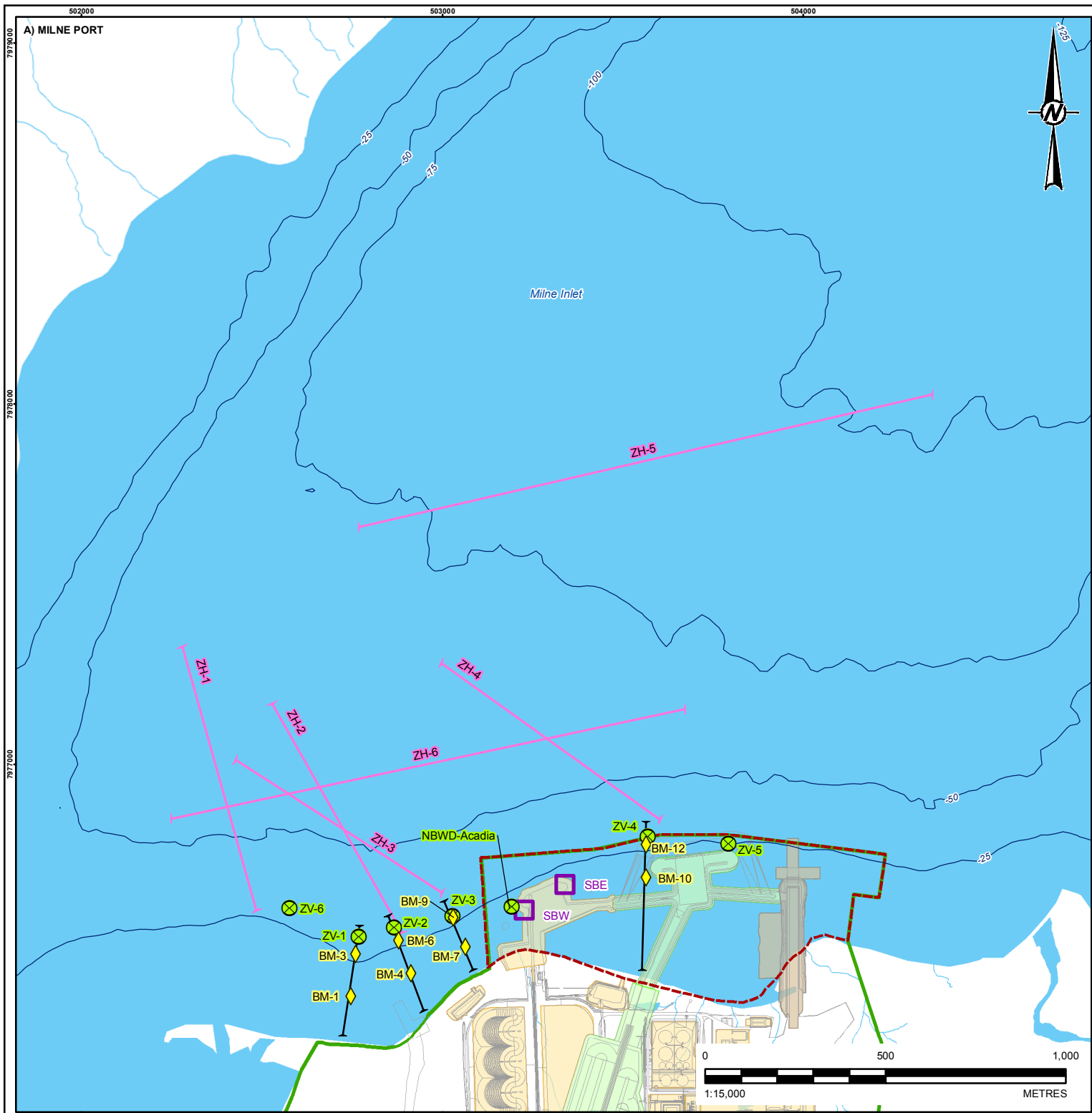
Figure 3-4: Settlement Baskets Recovered from East Side of Ore Dock



Figure 3-5: Rock Collected from Settlement Basket from West Side of Ore Dock

3.2.6 Ship Hull Monitoring

To address PC Condition No. 91, ship hull biofouling monitoring was included in the AIS program for the first time in 2018. Previous attempts to address the requirements of PC Condition No. 91 are detailed in past MEEMP reports (Golder 2018). The program consisted of conducting underwater video surveys of the hulls of three ore carriers berthed at the ore dock using an ROV-based underwater video system. Surveys were conducted along a series of horizontal transects along the hulls of the ore carriers, interspaced to cover a representative range of depths of the submerged hulls. Much of the effort was focused on areas of the hull where biofouling was most likely to occur (e.g., chain lockers, bulbous bow and stem, sea-chain grating, stern tube, rope guard, propeller nose cone and blades, rudder side, bottom, leading and trailing edges). The collected video recordings were later examined by qualified biologists to identify potential biofouling species to the lowest practical taxonomic level.



- LEGEND**
- ◆ BENTHIC INFAUNA SAMPLE LOCATION
 - ⊗ ZOOPLANKTON VERTICAL HAUL SAMPLE LOCATION
 - SETTLEMENT BASKET SAMPLE LOCATION
 - UNDERWATER VIDEO
 - ZOOPLANKTON OBLIQUE TOW SAMPLE LOCATION
 - BATHYMETRIC CONTOUR (25 m INTERVAL)
 - PDA / QIA COMMERCIAL LEASE
 - WATERCOURSE
 - EXISTING ORE DOCK
 - PROPOSED FREIGHT DOCK AND CAUSEWAY
 - PROPOSED SECOND ORE DOCK AND CAUSEWAYS
 - INAC FORESHORE LEASE
 - WATERBODY

REFERENCE(S)
 BATHYMETRY CREATED BY GOLDER FROM MULTIPLE DATA SOURCES. HYDROGRAPHY AND TOPOGRAPHY DATA BY EAGLE MAPPING (2005), RETRIEVED FROM KNIGHT PIESOLD LTD. FULCRUM DATA MANAGEMENT SITE, MAY 2017. MILNE PORT INFRASTRUCTURE DATA OBTAINED FROM CLIENT, MAY 28, 2018, AND BY HATCH, JANUARY 25, 2017, RETRIEVED FROM KNIGHT PIESOLD LTD. FULCRUM DATA MANAGEMENT SITE MAY 19, 2017. HYDROGRAPHY, POPULATED PLACE, AND PROVINCIAL BOUNDARY DATA OBTAINED FROM GEOGRATIS, © DEPARTMENT OF NATURAL RESOURCES CANADA. ALL RIGHTS RESERVED. PROJECTION: UTM ZONE 17 DATUM: NAD 83

CLIENT
BAFFINLAND IRON MINES CORPORATION

PROJECT
MARY RIVER PROJECT – MARINE ENVIRONMENTAL EFFECTS MONITORING PROGRAM

CONSULTANT	YYYY-MM-DD	2019-02-22
	DESIGNED	AO
	PREPARED	AA
	REVIEWED	AO
	APPROVED	EJ

TITLE AQUATIC INVASIVE SPECIES (AIS) MONITORING LOCATIONS			
PROJECT NO.	CONTROL	REV.	FIGURE
1663724	14000	0	3-6

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3.3 Quality Management

The overall goal of the program was to collect quality data, which was achieved through consistent application of quality assurance/quality control (QA/QC) measures including diligent and thorough data collection, regular communication amongst data recorders, and attention to detail during data entry.

Field staff were trained to be proficient in standardized sampling procedures, data recording using standardized forms, and equipment operations applicable to the monitoring program. All field work was completed according to specified instructions and established technical procedures for standard sample collection, preservation, handling, storage, and shipping protocols. Preliminary interpretation of the records and data QA/QC was carried out in the field to ensure the data collected met client specifications for quality and documentation of liability controls. At the end of the field survey, data were entered and organized in a database for subsequent analysis and interpretation. Field data recorded in notebooks was transferred to an electronic database.

A thorough QA/QC check of the data during the data analysis stage was conducted. The QA/QC measures in place included a multi-tiered technical review team that reviewed all data for consistency of methods and results and independently tested random data samples for quality.

General QA/QC tasks completed during the survey include, but not limited to, the following:

- Preparing geo-referenced field maps for use during the surveys to accurately document the location of any observations.
- Preparing Project-specific data collection forms to ensure a comprehensive and accurate field data collection process.
- Collecting geo-referenced coordinates in the field for comparison with field maps to confirm the location of documented observations.
- Maintaining adequate photo documentation to illustrate the various features and species observed during field surveys, and to be kept for subsequent review and reporting.
- Collating and reviewing field data collected among observers to ensure consistent methods and calibrate observer estimates (e.g., estimation of substrate and vegetation cover in quadrat sampling).
- Reviewing all data and reports for accuracy (e.g., species identification) and consistency (e.g., measurement units).
- Allowing regular communications between the Project Manager and field staff.
- Quality Control (duplicate) samples were collected in the field.
- Accredited laboratories were selected for sample analysis. Performance quality of selected laboratories were verified through Golder's internal vendor approval and assessment procedures.
- Field data sheets were reviewed by the field supervisor at the end of each day for completeness and accuracy.
- Chain-of-custody documentation were used to track sample shipments to the individual subcontractor laboratories.
- Samples were packaged and shipped to the laboratory in accordance with required holding times and storage conditions.
- Laboratory QA/QC included verification of recommended sample holding times and the analysis of laboratory control samples, laboratory duplicates, and spiked samples to assess precision and accuracy of analytical methods. Laboratory QA/QC reports were reviewed upon receipt to confirm that the laboratory data quality objectives (DQOs) had been met and that the appropriate QA/QC information had been reported.

3.3.1 MEEMP

3.3.1.1 Water Quality

3.3.1.1.1 Vertical Physical Profiles

Maintenance and calibration of the SBE-19plus CTD profiler and associated sensors are performed annually by the manufacturer (completed immediately prior to the 2018 sampling program). No field quality checks of any of the parameters were required beyond the deployment acceptability check and range checks. Dissolved oxygen (DO), pH, pressure offset, and transmissivity performance were carefully monitored and calibrated prior to and immediately following the 2018 MEEMP program.

Immediately following data collection, all data were checked for erroneous values, and to be certain that all data and configuration files were present and properly named. This check was verified and documented by two field personnel. All data were reviewed graphically for outliers as well as trends, and to confirm that all sensors were functioning properly during the deployment. All profile data, datasheets and field notes were saved to a laptop computer and backed up on an external hard drive.

3.3.1.1.2 Discrete Water Quality Sampling

Quality assurance/quality control measures were implemented to minimize possible contamination of the collected water samples. Industry standard sampling protocols were followed including collection, handling and shipping procedures. Samples were collected in laboratory-sterilized water bottles including collection and analysis of duplicate samples, travel blanks, and field blanks. For field blanks, sample containers were filled with de-ionized water in the laboratory and then processed in the field in the same manner as the collected samples (i.e., uncapped, treated with preservative, re-capped). Field blanks were analyzed to identify potential sources of contamination during field sampling. For travel blanks, sample containers were filled with de-ionized water in the laboratory and then remained sealed in the field, allowing for an assessment of contamination during transport and storage periods.

Duplicate water samples were randomly taken at 10% of the stations during each field trip. For each pair of QA/QC field duplicate water samples, the relative percent differences (RPD) were calculated, using the following formula:

$$RPD = \left(\frac{\text{sample} - \text{duplicate}}{(\text{sample} + \text{duplicate})/2} \right) \times 100$$

The RPD between the duplicates is a measure of the variability inherent in field sampling (e.g. environmental heterogeneity, sampler handling leading to contamination). CCME (2016) and BC MOE (2013) suggests that any field duplicates with RPD values exceeding 20% should be noted and the data interpreted accordingly. Values less than five times the method detection limit (MDL) were not included in the RPD calculations because analytical variability near the MDL is higher and does not provide a good measure of variability associated with the collection of field samples. RPD is more sensitive to variation as values approach the analytical detection limit.

3.3.1.2 Sediment Quality

To confirm sample integrity, the following QA/QC measures were undertaken:

- Samples were collected and processed by qualified experienced personnel.
- Samples were collected in such a way that no foreign material was introduced to the sample.
- Sample handling or contact with contaminated materials/surfaces was minimized.
- Samples were placed in appropriate clean containers in such a way that no material of interest was lost due to adsorption, degradation, or volatilization.
- Sufficient sediment volumes were collected so that required detection limits could be met and quality control samples analyzed.
- Equipment including the grab sampler, stainless steel bowls and spoons were washed with laboratory-grade biodegradable detergent between each station to prevent cross-contamination. Equipment was rinsed between grab samples.
- Field duplicates were sampled from six randomly-selected replicate samples (approximately 10% of total number of stations). Field duplicates were blind sample (identified as Duplicate A to F) collected from the same discrete homogenized grab sample (a split sample) as the “original” sample. To assess variability between field duplicates, the RPD was calculated as follows:

$$RPD = \left(\frac{\text{sample} - \text{duplicate}}{(\text{sample} + \text{duplicate})/2} \right) \times 100$$

In accordance with the BC Field Sampling Manual (BC MOE 2013) and CCME (2016), an RPD value of >50% was used to identify differences between original and duplicate samples. Values less than five times the MDL were not included in the RPD calculations because analytical variability near the MDL is higher and does not provide a good measure of variability associated with the collection of field samples.

- Field data sheets were reviewed by the field supervisor at the end of each day for completeness and accuracy.
- Chain-of-custody documentation were used to track sample shipments to the individual subcontractor laboratories.
- Samples were packaged and shipped to the laboratory in accordance with holding times and storage conditions in an effort for analysis targets to be met.
- Laboratory QA/QC for sediment samples included recommended sample holding times and the analysis of laboratory control samples, method blanks, laboratory duplicates, and spiked samples to assess precision and accuracy of analytical methods. Laboratory QA/QC reports were reviewed upon receipt to confirm that the laboratory data quality objectives (DQOs) had been met and that the appropriate QA/QC information had been reported.

3.3.1.3 Substrate, Macroflora and Epifauna

Underwater video was viewed in real-time to ensure appropriate depth and visual representation of the sea bottom features. Video footage from each survey was post-processed by a marine biologist with local Arctic experience. Epibenthic organisms were identified to the lowest practical taxonomic level using a variety of species identification keys and databases. A subset of images used to identify organisms was checked by a second observer to confirm species identifications.

3.3.1.4 *Benthic Infauna*

Field QA/QC procedures are discussed in Section 3.1.4. Biologicala laboratory QA/QC measures included an assessment of sorting recovery, identification error, and precision/accuracy of sub-sampling. The taxonomic laboratory identified organisms to the lowest practical taxonomic level. Laboratory procedures included sample sorting measures, spot-checks, preliminary counting of major groups, and collaborative identification to accurately identify species to their lowest taxonomic level. Results of QA/QC measures implemented by the taxonomic laboratory are reported in ANNEXE E-2.

Benthic data were checked and no obvious signs of error in sample analysis were found. Incidental organisms, such as meiofauna, including copepod and nematode species, were removed from benthic analysis because these species often fall through the 500 µm mesh sieve used to separate benthic infauna from sediments in the field. Numbers of these species collected within samples would not be representative of the true population numbers at each station and would otherwise bias station comparisons of total abundance, relative abundance, and species diversity.

Biologica developed a subsampling strategy that maximized the detection of large and rare individuals while also enumerating smaller organisms. Large organisms (>1 cm) were first sorted, enumerated, and removed from the whole sample. The remaining debris was then spread evenly on a Caton grid and subsampled via sequential quadrat sorting. The subsample was sorted until a minimum of 400 organisms were counted.

3.3.1.5 *Fish*

The following QA/QC measures were implemented by field staff during the fish sampling activities.

- Specific Working Instructions (SWIs) were reviewed and followed by all field members.
- Prior to fishing activities, all field members were briefed on sampling protocol/methods and made aware of their role in data collection. Each activity was performed at each station/location in the same manner to maintain consistency throughout the field program.
- Data were collected in Project-specific notebooks and were reviewed by the team lead at the end of each day to ensure quality and completeness. The notebook pages were scanned and saved on an external hard drive at the field office as a backup.
- Fish identification was recorded to species. Any identification that was questionable in the field was verified using fish field guides. One fish was also sent to a laboratory for fish identification.
- Field instruments such as weigh scales were appropriately cleaned and calibrated prior to use.
- All data recorded in field notebooks were entered into Microsoft Excel and verified accurate and complete by a second team member. These documents were saved to the desktop then saved to an external hard drive as a backup.
- All samples were kept on ice, in a fridge or freezer, where appropriate, and labeled (station, date, time, samplers, and contents). All samples were shipped appropriately wrapped and kept on ice in coolers with appropriate documentation for receivers and sent with chain of custody forms.

3.3.2 AIS

3.3.2.1 Zooplankton

Zooplankton collection was standardized to minimize the introduction of sampling error during sample collection. Nets were rinsed using the same rinsing techniques and samples were subject to the same preservation methods to ensure consistency. Zooplankton analysis was conducted by Biologica Environmental Services Ltd., which identified organisms down to the lowest practical taxonomic level. Results of QA/QC measures implemented by the taxonomic laboratory are reported in ANNEXE H-3.

Data were checked thoroughly, and no errors or omissions were found. Species distributions within each collected sample are believed to be representative of the zooplankton community at each sampling location.

3.3.2.2 Benthic Infauna

The same field and laboratory QA/QC procedures were used during collection and analysis of benthic invertebrate communities for AIS Program as those used for the MEEMP. These methods are discussed in sections 3.1.4, 3.2.2, and 3.3.1.4.

3.3.2.3 Macroflora and Benthic Epifauna

The same QA/QC measures described in Section 3.3.1.3 were used during underwater video surveys along the AIS transects. Epibenthic organisms were identified to the lowest practical taxonomic level using a variety of species identification books; a subset of images used to identify organisms was checked by a second observer to confirm species identifications.

3.3.2.4 Fish and Mobile Epifauna

QA/QC measures for fish and mobile epifauna data collection are described in Section 3.3.1.5.

3.3.2.5 Encrusting Epifauna

Field procedures for the encrusting epifauna sample collection are discussed in Section 3.2.5. Laboratory QA/QC measures are described in Section 3.3.1.4.

3.3.2.6 Ship Hull Monitoring

Video documented during the ship hull monitoring surveys was viewed in real-time to verify that all representative areas of the ship were surveyed and ensure appropriate visual representation of the recorded locations. Field notes were taken during the survey. Video footage from each survey was post-processed by a qualified marine biologist with local Arctic experience. Biofouling or encrusting organisms were identified to the lowest practical taxonomic level where possible using a variety of species identification keys and databases. A subset of images was checked by a second qualified observer to confirm quality of observations.

4.0 RESULTS

4.1 MEEMP

4.1.1 Water Quality

4.1.1.1 Vertical Physical Profiles

Oceanographic conditions in Milne Inlet are known to be primarily tidal driven. The water column structure, however, is also influenced by freshwater input, winds, atmospheric conditions and heat fluxes. Most of the variability occurring in the water column is shown to occur in the upper surface water layers.

Vertical depth profiles in Milne Inlet showed a strong vertical gradient in the physical properties of the water column (Figure 4-1). Surface water in Milne Inlet was colder at the north near the mouth and warmer near the head, at Milne Port, ranging in temperature from 2.1°C (Ragged Island) to 7.0°C (Milne Anchorage). Water temperature decreased with depth reaching 0°C at depths between 12 m and 25 m and reaching the average minimum temperature of -1.3°C at the average depth of 62 m. Surface salinity was lowest at the head of the inlet (Milne Port area) where it ranged between 3 practical salinity units (PSU; Ore Dock) and 9 PSU (D3 Mooring Location). Surface salinity was higher further north, increasing in general towards the mouth of the inlet, and ranged between 14.1 PSU (CTD-8) and 19.1 PSU (CTD-15 and Ragged Island). Salinity increased with depth with the halocline (steeply rising salinity layer) occurring at an approximate depth ranging from 8 to 14 m. Below the halocline, salinity was above 30 PSU at all locations and reached a maximum of 33.6 PSU below 200 m depth. Salinity increased and temperature decreased with depth resulting in a vertical density gradient with relatively “lighter” warmer and less saline water floating on top of heavier colder and more saline water. The pycnocline (steeply increasing density layer) was approximately 9 m to 13 m deep (Figure 4-2).

Dissolved oxygen (DO) concentrations at the surface (up to 1 m depth) in Milne Inlet ranged from 7.1 mg/L to 8.8 mg/L corresponding to saturation ranging from 62% to 76% (Figure 4-3). Maximum oxygen concentrations in Milne Inlet occurred at depths between approximately 19 and 30 m or at the depths below the pycnocline and ranged between 10.1 mg/L and 11.2 mg/L corresponding to 85% and 94% saturation, respectively. Below the pycnocline, dissolved oxygen decreased with depth reaching an average minimum of 6.9 mg/L, or 59% saturation, below 200 m.

Water in Milne Inlet was clear throughout the water column with slightly higher turbidity at the surface (between 0 and 4 m); surface turbidity values ranged between 0.5 nephelometric turbidity units (NTU) and 8 NTU (Figure 4-4). Turbidity was higher at the surface at station CTD-10 reaching a maximum of 8.3 NTU. Turbidity below the surface decreased with depth and was steadily low below the pycnocline with most readings of less than 0.1 NTU. Turbidity increased slightly near the bottom, most likely due to the proximity of seabed sediment.

Chlorophyll *a* concentrations were relatively low throughout Milne Inlet, generally less than 0.4 µg/L in the upper 15 m of the water column and nearly 0 µg/L at depths below 15 m (Figure 4-4). These chlorophyll *a* concentrations correspond to an oligotrophic marine environment (Vollenweider 1998).

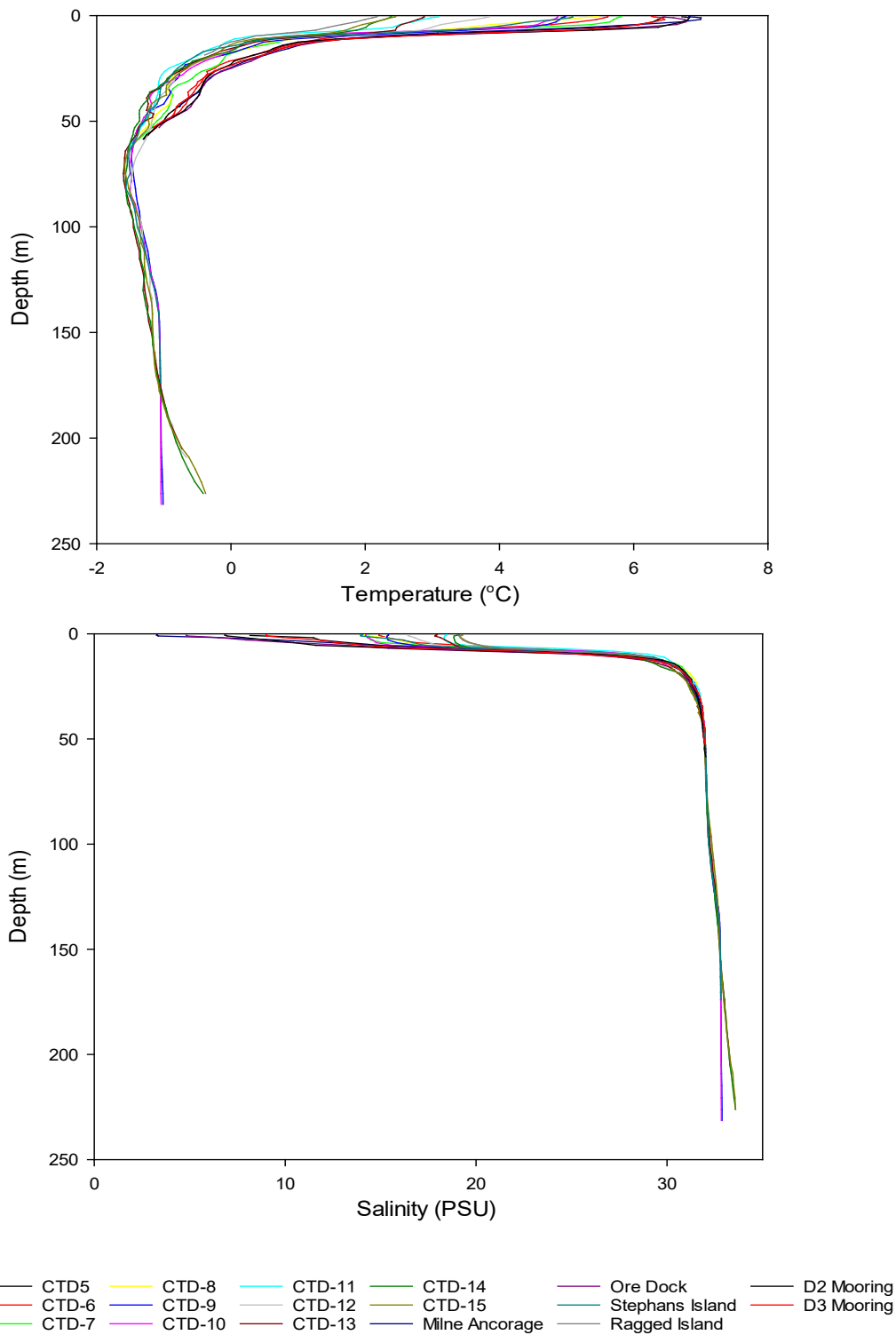


Figure 4-1: Water Temperature and Salinity in Milne Inlet, August 2018

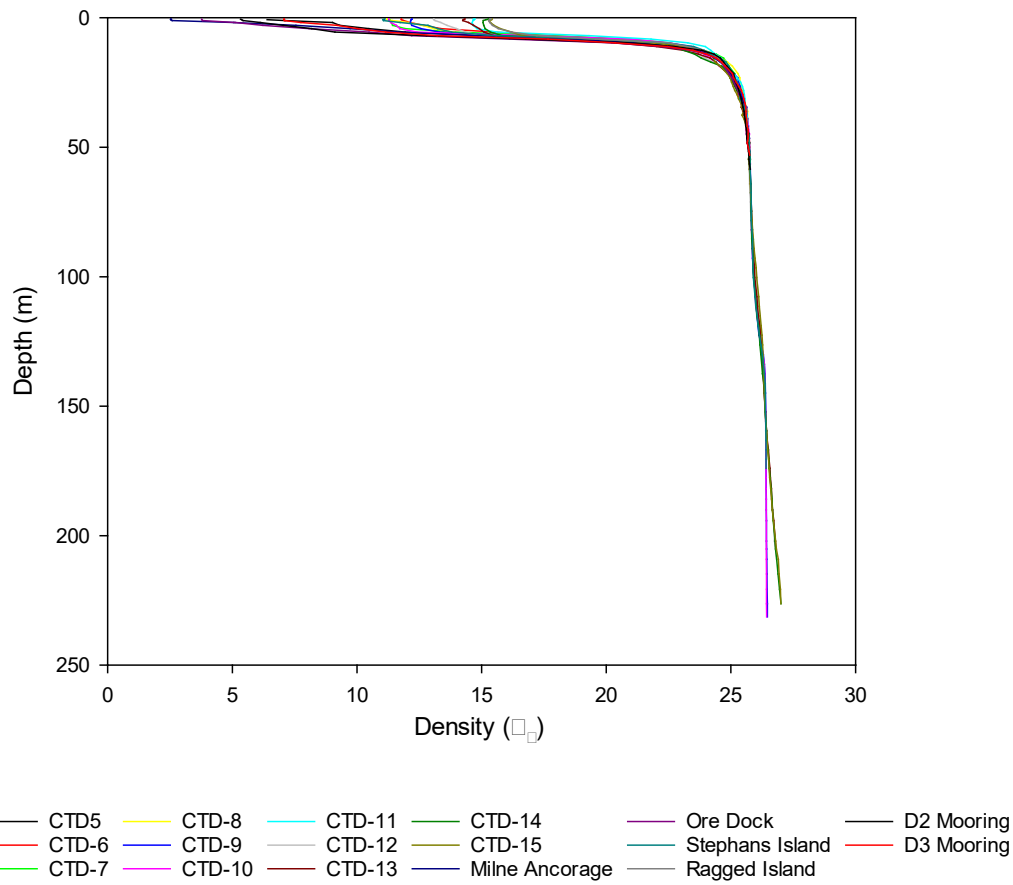
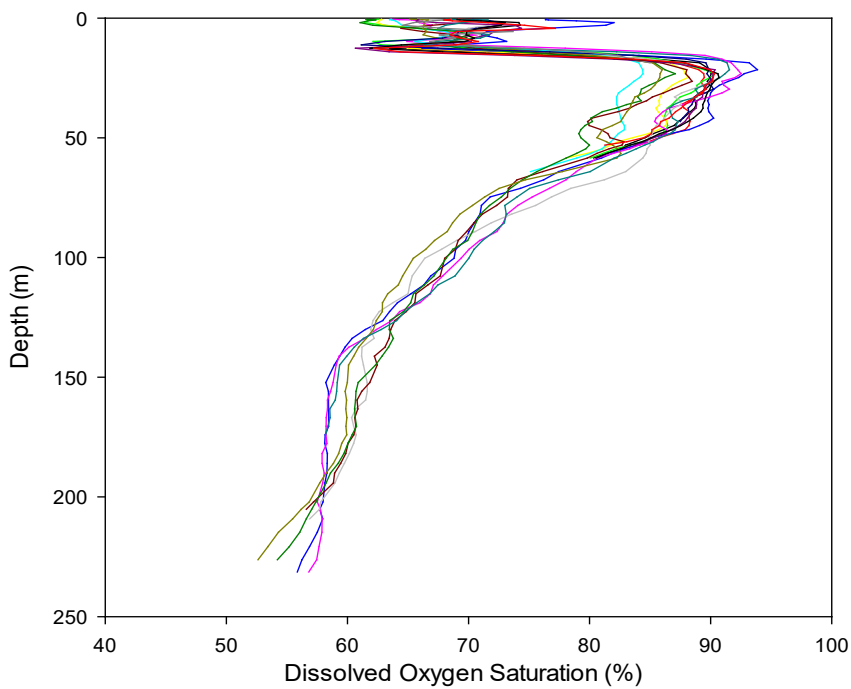
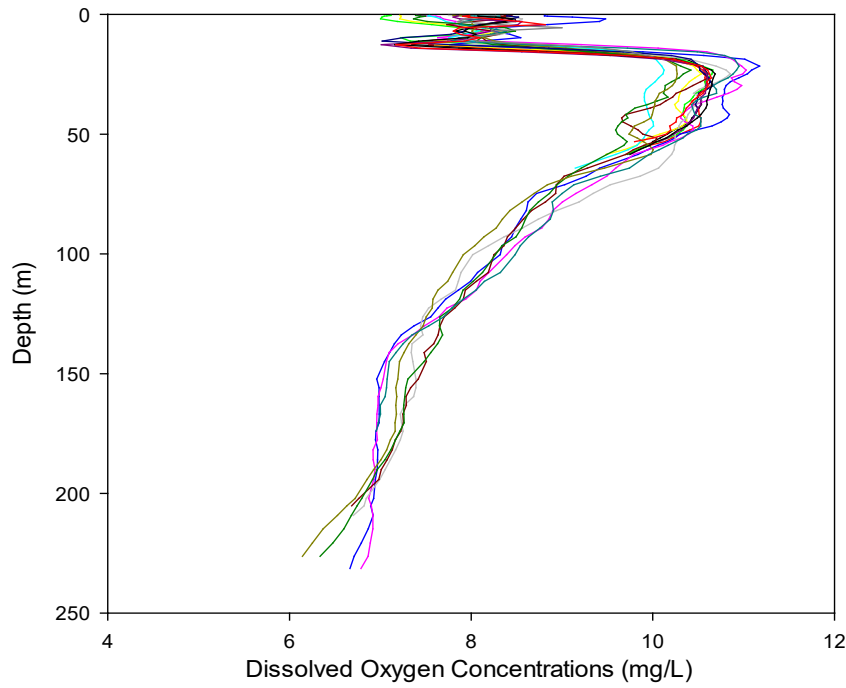


Figure 4-2: Water Density (σ_T) in Milne Inlet, August 2018



- | | | | | | |
|---------|----------|----------|-------------------|-------------------|--------------|
| — CTD5 | — CTD-8 | — CTD-11 | — CTD-14 | — Ore Dock | — D2 Mooring |
| — CTD-6 | — CTD-9 | — CTD-12 | — CTD-15 | — Stephans Island | — D3 Mooring |
| — CTD-7 | — CTD-10 | — CTD-13 | — Milne Anchorage | — Ragged Island | |

Figure 4-3: Dissolved Oxygen Concentrations and Percent Saturation in Milne Inlet, August 2018

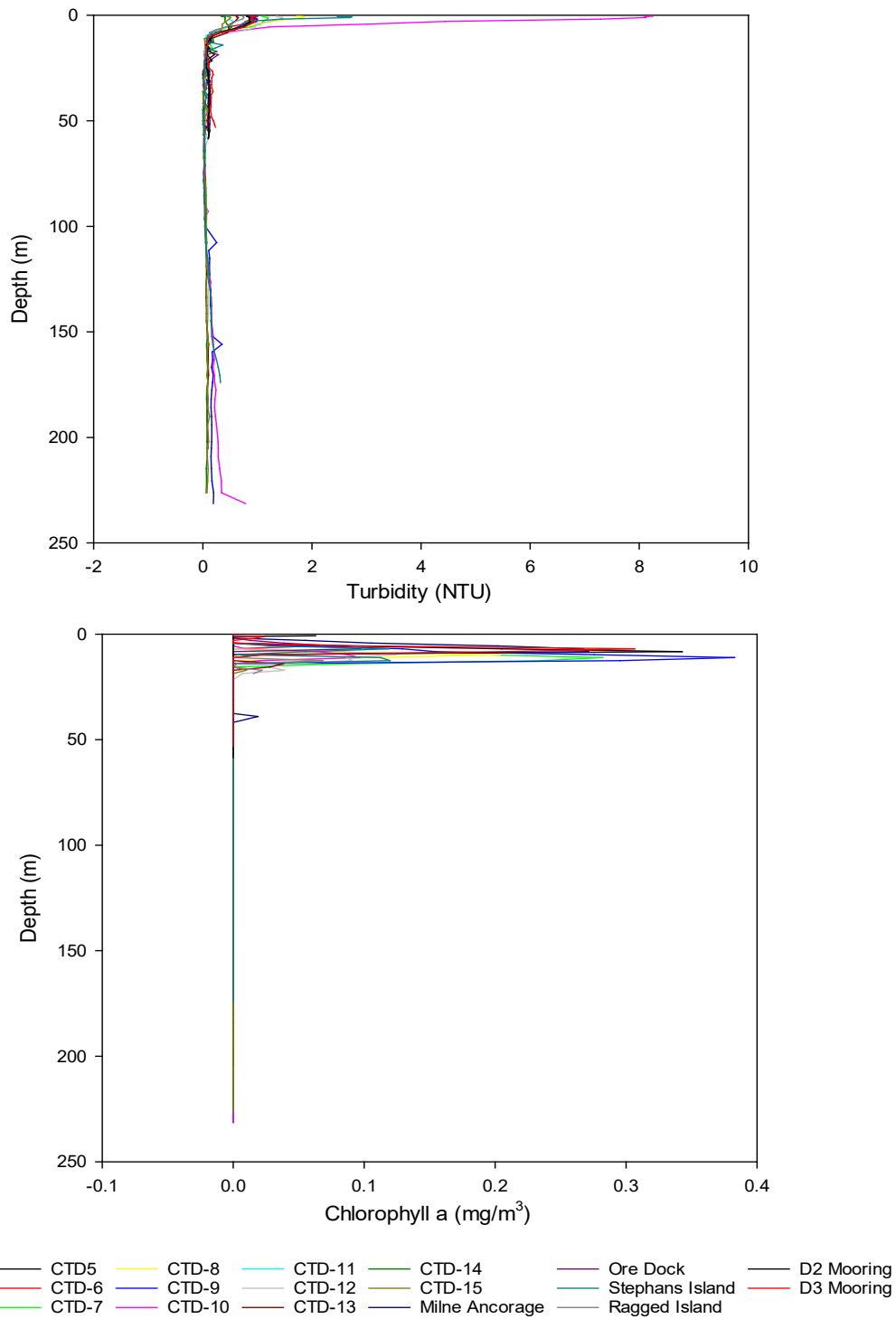


Figure 4-4: Turbidity and Chlorophyll a Concentrations in Milne Inlet, August 2018

4.1.1.2 Discrete Water Quality Samples

Water quality laboratory results are presented in Appendix B. Summary statistics for the 2018 water quality program are presented in Table 4-1 and a comparison to previous survey years is provided in Table 4-2.

Salinity concentrations ranged from 5.4 PSU to 19.3 PSU for all samples collected in 2018, which is reflective of a brackish environment. Mean salinity concentrations at each sampling location ranged from 8 PSU to 10.7 PSU. Salinity concentrations for all samples were higher during the 28 August sampling event.

Concentrations of pH ranged from 7.9 to 8.1 for all samples collected in 2018 (Table 4-1), which are within the CCME water quality guidelines (WQG; 7.0 – 8.7). pH values reported in 2015 (7.5 to 7.9; SEM 2016a), in 2016 (7.7 to 7.9; SEM 2017a) and in 2017 (7.0 to 8.0; Golder 2018) were also within the CCME WQG (Table 4-2).

Total suspended solids (TSS) ranged from below the detection limit of 2 mg/L in 18 out of total 22 samples to 4.3 mg/L in a sample collected from Source on 1 August. Turbidity levels ranged from 0.2 NTU in sample from ENE on 28 August from to 2.5 NTU from Source on 1 August. Both TSS and turbidity levels observed in 2018 were within the CCME WQG (Table 4-1) and ranges observed during previous studies (Table 4-2; SEM 2016a; SEM 2017a; Golder 2018). The highest TSS (25.5 mg/L) and turbidity (9.60 NTU) for the MEEMP surveys were observed during a storm event on 10 September in 2017 (Golder 2018).

As in 2017, nitrate concentrations in all samples collected in 2018 were <0.5 mg/L, which is below the short term (1500 mg/L) and long term (200 mg/L) CCME WQG (Table 4-1 and Table 4-2). Nitrate concentrations reported in 2015 and 2016 were also below CCME WQG. In 2016, nitrate concentrations ranged from 0.05 mg/L to 0.58 mg/L (SEM 2017a). In 2015, nitrate concentrations ranged from 0.03 mg/L to 0.16 mg/L (SEM 2016a).

Fecal coliform bacteria were below the detection limit (DL) of 1 CFU/100 mL in all samples (Table 4-1) although some samples exceeded the recommended holding time for the parameter upon receipt by the laboratory due to transportation delays. Fecal coliform levels ranged between 1 CFU/100 mL and 2 CFU/100 mL in 2017 (Table 4-2; Golder 2018) and were not tested for in 2015 or 2016 (SEM 2016a; SEM 2017a).

As in 2017, total arsenic, cadmium, chromium, mercury, and silver concentrations were below detection limits and below CCME WQG in all samples collected in 2018 (Table 4-1 and Table 4-2). In 2016, concentrations for the same suite of metals were below CCME WQG (SEM 2017a). In 2015, metal concentrations for total arsenic, cadmium, chromium, and silver were below CCME WQG (Table 4-2); but total mercury levels exceeded the CCME WQG (0.000016 mg/L) for all samples collected on 30 August 2015 (with concentrations ranging from 0.000023 mg/L to 0.000025 mg/L). Mercury was below detection limits and below CCME WQG during all other sampling events in 2015 (SEM 2016a).

Total aluminum and iron concentrations in samples collected in 2018 ranged from 0.008 mg/L to 0.048 mg/L and from <0.01 mg/L to 0.093 mg/L, respectively (Table 4-1). There are no CCME WQGs for aluminum and iron. Aluminum concentrations observed in 2018 were within previously collected ranges (Table 4-2). The detection limits for iron during MEEMP studies in 2015-2016 (0.5 mg/L) and during the baseline studies in 2010 (from 0.3 to 0.6 mg/L) were considerably higher than detection limits (0.01 mg/L) and observed iron concentrations in 2017 and 2018; therefore no comparison of iron data collected in 2017 and 2018 could be made to previous studies. The highest levels of aluminum (0.14 mg/L) and iron (0.29 mg/L) were observed during the September storm event of 2017 discussed above.

PAHs were below the detection limits for all samples during all sampling events in 2018, 2017, 2016 and 2015 (SEM 2016a; SEM 2017a; Golder 2018). Naphthalene was also below the CCME WQG for all samples in 2017 and 2018 (Table 4-1 and Table 4-2). Naphthalene was not tested for in 2016 and 2015.

No calculated RPDs between duplicate samples exceeded 20%, except for sulfur (ANNEXE B). The RPD for total sulfur between WNW collected on 14 August and its blind duplicate was 20.3%; and the RPD for dissolved sulfur between WNW collected on 1 August and its blind duplicate was 101%. Therefore, the quality of laboratory analysis is considered acceptable with the exception of sulfur.

Table 4-1: Water Quality Summary Statistics for Each Sampling Location over Five Sampling Events in 2018.

Parameter	CCME Marine WQG for Protection of Aquatic Life		Source			WNW			North			ENE		
	Short Term	Long Term	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max
Physical														
pH		7.0-8.7	8.0	7.9	8.1	8.0	7.9	8.1	8.0	7.9	8.1	8.0	7.9	8.1
Salinity (PSU)			9.3	5.4	18.5	7.9	5.6	15.6	9.46	5.6	14.4	9.7	5.4	14.4
TSS (mg/L)	<25 mg/L above background	< 5 mg/L above background	<2	<2	4.3	<2	<2	2.2	<2	<2	<2	<2	<2.0	3.1
Turbidity (NTU)	<8 NTU above background	<2 NTU above background	0.99	0.24	2.52	0.70	0.21	1.02	0.50	0.23	0.71	0.76	0.23	1.91
Nutrients (mg/L)														
Nitrate (as N)	1500	<u>200</u>	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bacteria (CFU/100 mL)														
Fecal Coliform			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Metals (mg/L)														
Aluminum			0.02252	0.0094	0.0478	0.015528571	0.0095	0.0207	0.0135	0.0091	0.0169	0.01938	0.0091	0.0378
Arsenic		<u>0.0125</u>	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Cadmium		<u>0.00012</u>	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Chromium		<u>0.0015 (Cr(VI))</u>	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Iron		-	0.033	<0.01	0.093	0.022	0.011	0.029	0.015	<0.01	0.023	0.027	<0.01	0.071
Mercury		<u>0.000016</u>	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Silver	0.0075	-	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
PAHs (mg/L)														
Naphthalene		<u>0.0014</u>	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005

Table 4-2: Water Quality Summary Statistics for 2015, 2016, 2017 and 2018 at all Sampling Locations.

Parameter	CCME Marine WQG for Protection of Aquatic Life		2015			2016			2017			2018		
	Short Term	Long Term	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max
Physical														
Salinity (ppt)	-	-	-	-	-	-	-	-	13.9	4.1	24.4	8.8	5.4	19.3
pH	-	<u>7.0-8.7</u>	7.83	7.52	7.91	7.85	7.67	7.94	7.77	7.01	8	8.0	7.9	8.1
TSS (mg/L)	<25 mg/L above background	<u>< 5 mg/L above background</u>	1.2	0.5	2.2	1.61	1	3	4.2	<2	<u>25.5</u>	1.4	1.0	4.3
Turbidity (NTU)	<8 NTU above background	<u><2 NTU above background</u>	0.23	0.05	0.92	0.43	0.1	0.99	1.06	0.27	<u>9.6</u>	0.73	0.19	2.52
Nutrients (mg/L)														
Nitrate	1500	<u>200</u>	0.04	0.03	0.16	0.16	0.05	0.58	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bacteria (CFU/100mL)														
F. Coliform	-	-	-	-	-	-	-	-	1.25	1	2	<1	<1	<1
Total Metals (mg/L)														
Aluminum	-	-	-	<0.05	0.05	0.016	0.009	0.025	0.025	0.008	0.142	0.018	0.008	0.048
Arsenic	-	<u>0.0125</u>	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Cadmium	-	<u>0.00012</u>	<0.00001	<0.00001	<0.00001	0.000016	0.000013	0.000018	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Chromium	-	<u>0.0015 (Cr(VI))</u>	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0005	<0.0005	<0.0005	<0.00005	<0.00005	<0.00005
Iron	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.036	0.01	0.286	0.024	<0.01	0.093
Mercury	-	<u>0.000016</u>	0.00001	0.00001	<u>0.00003</u>	<0.000013	<0.000013	<0.000013	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Silver	0.0075	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00010	<0.00010	<0.00010	<0.0001	<0.0001	<0.0001
PAHs (mg/L)														
Naphthalene	-	<u>0.0014</u>	-	-	-	-	-	-	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005

4.1.2 Sediment Quality

Analysis of the physical and chemical composition of sediments were conducted on samples collected from a total of 21 stations along four transects. Results of the analyses are presented in ANNEXE C. Concentrations of chemical constituents were compared to existing environmental guidelines including CCME Interim Sediment Quality Guideline (ISQGs) and Probable Effect Levels (PELs) for the protection of aquatic life in the marine environment (CCME 2014), British Columbia Approved (BC MECCS 2018) and Working Quality Guidelines (BC MOE 2017), and National Oceanic and Atmospheric Administration sediment benchmarks (Buchman 2008; ANNEXE C-2). Concentrations of some variables fell below analytical detection limits. Half of the detection limit values were used for non-detected concentrations in the graphs and for statistical calculations. Principal component analysis (PCA), a multivariate statistical test, was used to help data interpretation. The test was conducted using SYSTAT 13 program.

PCA showed four components with eigenvalues >1 that accounted for 91% of the total variance. The first two components explained the highest percentage of the variance in the original data (84%), with PC1 and PC2 accounting for 77% and 6% of the variance respectively. The other two principal components accounted for the remaining 8% of the explained variance and will not be discussed further. Details of the PCA, including the eigenvalues, factor loading matrix, factor scores, and correlation matrix, are presented in ANNEXE C-3.

PC1 positively correlated strongly with fine fractions of sediments (silt and clay), and concentrations of metals (loading coefficient ≥ 0.9) and, with lesser extent, total organic carbon (loading coefficient = 0.77). PC1 strongly negatively correlated with sand (loading coefficient = -0.92), and pH (loading coefficient = -0.63). PC2 positively correlated with concentrations of sulfur, selenium, molybdenum, and antimony (loading coefficient ≥ 0.35), and negatively correlated with calcium, magnesium, arsenic, manganese, phosphorus and TOC (loading coefficient ≤ 0.33).

PC1 and PC2 were plotted to identify where samples lie in two-dimensional ordinal space, therefore, allowing for further interpretation of the data (Figure 4-5). The right half in the figure represents high silt and clay content and high concentrations of metals and lower pH; the left half of the figure represents higher sand and gravel content, higher pH and lower concentrations of metals. The upper half of the figure represents higher concentrations of sulfur, molybdenum, selenium, and antimony; the lower half of the figure represents higher calcium, magnesium, arsenic, phosphorus, manganese and TOC concentrations. Most of the samples are clumped in the right side of the graph near the centre. Samples from the Coastal Transect (SC) were located in upper-right part of the graph, with higher content of fines and metals. Sample SW-1-2 and samples from station SE-1 located in the upper-left part of the graph with lowest concentrations of fines and most metals with few exceptions. Samples SW-3 and SW-4 were in the lower-central part of the graph with relatively moderate concentrations of most metals, except arsenic, calcium, magnesium and manganese.

As in previous years, sediment physical composition in samples collected in 2018 varied among stations and transects (Figure 4-6; top). Sediment in the West and East Transects predominantly consisted of gravel and sand, particularly at stations near the ore dock, while the Coastal and North Transects had higher proportions of finer classes (silt and clay). In the North Transect, differences in particle size composition seemed to be related to depth, with higher proportion of fines (silt and clay) found in deeper areas. Sediment physical composition distribution among transects in 2018 was consistent with that recorded during 2014-2017 sampling (Figure 4-6).

Concentrations of metals, in general, correlated with sediment physical composition. Some metals were found in low levels: concentrations of bismuth, silver, tin and tungsten were below their detection limits (0.2, 0.1, 2, and 0.5 mg/kg respectively) in all samples; and antimony and selenium were detected in less than 50% of the samples. Where detected, metal concentrations were, in general, higher in areas with higher proportion of fines.

Metals, in general, tend to accumulate to a greater degree in finer sediments due to a combination of physical (e.g. surface area) and chemical (e.g. geochemical substrate) factors (Jones and Bowser 1978; Horowitz 1991).

For instance, highest concentrations of aluminum were detected in samples from the Coastal and North Transects where a higher proportion of fines was found (Figure 4-7; top). Similar trends are seen for iron concentrations, except that high iron concentrations were also observed at stations SW-2, SW-3 and SW-4 from the West Transect; contents of fines at these stations were higher than at neighbouring stations but lower than at the most stations in Coastal and Northern transects (Figure 4-7; bottom). The lowest concentrations of aluminum (898 mg/kg) and iron (2,230 mg/kg) as well as other metals were found in sample SW-1-2, where the lowest proportion of fines (2%) was found. Sediment metal distribution among transects in 2018, in general, was consistent with that found in 2014 to 2017 (Figure 4-8).

Arsenic concentrations in 2018 exceeded the CCME and BC ISQG (7.24 mg/kg) in five samples collected at three stations (Figure 4-9; top): SW-3 (two samples), SN-3 (one sample) and SN-4 (two samples). Arsenic concentrations in four of these samples (excluding the SN-3 sample) also exceeded the T_{20} ¹⁴ benchmark (7.4 mg/kg; Buchman 2008) and two of these samples, both collected from SW-3, exceeded Effects Range-Low (ERL) of 8.2 mg/kg (Buchman 2008). The highest arsenic concentration (10.6 mg/kg) was found at SW-3-1. High arsenic concentrations are not associated with ore from the Mary River Project (Baffinland 2012) and may be naturally occurring in these sediments. Similar arsenic exceedances were observed during previous sampling efforts (2014-2017) (SEM 2015; 2016; 2017; Golder 2018). In general, arsenic concentrations in 2018 were similar to those reported in previous surveys (Figure 4-9; bottom). Arsenic concentrations recorded in 2018 did not exceed the CCME Probable Effect Level (PEL) of 41.6 mg/kg or other benchmarks they were screened against.

Nickel concentrations in 2018 exceeded the T_{20} benchmark (15 mg/kg) in all samples from stations SC-3, SC-4 and SC-5, and in one sample from each BE-5 and SN-5 (Figure 4-10; top). Nickel concentrations also exceeded NOAA Threshold Effect Level (TEL) of 15.9 mg/kg in all four samples from SC-3 and three of four samples from SC-4. The highest nickel concentration of 17.2 mg/kg was observed in sample SC-4-1. The lowest nickel concentration of 1.9 mg/kg was found in sample SW-1-2. No CCME sediment quality guidelines exist for nickel, however, nickel concentrations in sediments observed in 2018 were below BC Working ISQG (30 mg/kg) and PEL (50 mg/kg). Higher nickel concentrations in sediment are not likely associated with the Mary River Project since they were also found at stations located farther away from the Milne Port. Higher nickel concentrations are most likely associated with high content of fines and are naturally occurring. In general, nickel concentrations in 2018 were similar to those reported in previous surveys (Figure 4-10; bottom).

No other metals exceeded sediment quality guidelines and benchmarks during the 2018 sediment program.

Volatile organic compounds, extractable petroleum hydrocarbons, and PAHs were, with few exceptions, below detection limits (ANNEXE C-1 and C-2). Most detected PAHs (acenaphthylene, benz(a)anthracene, benzo(a)pyrene, benzo(b&j)fluoranthene, benzo(b+j+k)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, and indeno(1,2,3-c,d)pyrene) were found in sample SN-3-1. Sample SE-2-1 also had detected concentrations of benzo(g,h,i)perylene (0.011 mg/kg) and indeno(1,2,3-c,d)pyrene (0.1 mg/kg). Benzo(g,h,i)perylene was also detected in SE-5-1 (0.011 mg/kg). Concentrations of volatile organic compound dichloromethane above the detection limit of 0.3 mg/kg were found in samples BE-2-1 (0.35 mg/kg), BE-5-1 (0.46 mg/kg), and SC-5-1 (0.66 mg/kg).

¹⁴ Chemical concentrations corresponding to 20% probability of observing toxicity

Concentrations of acenaphthylene (0.006 mg/kg) and dibenz(a,h)anthracene (0.0069 mg/kg) PAHs in SN-3-1 exceeded CCME and BC ISQGs of 0.00587 and 0.00622 mg/kg respectively. No other organic compound exceeded sediment quality guidelines and benchmarks during the 2018 sediment program.

No calculated RPDs between duplicate samples exceeded 50% (ANNEXE C). Therefore, the quality of laboratory analysis is considered acceptable.

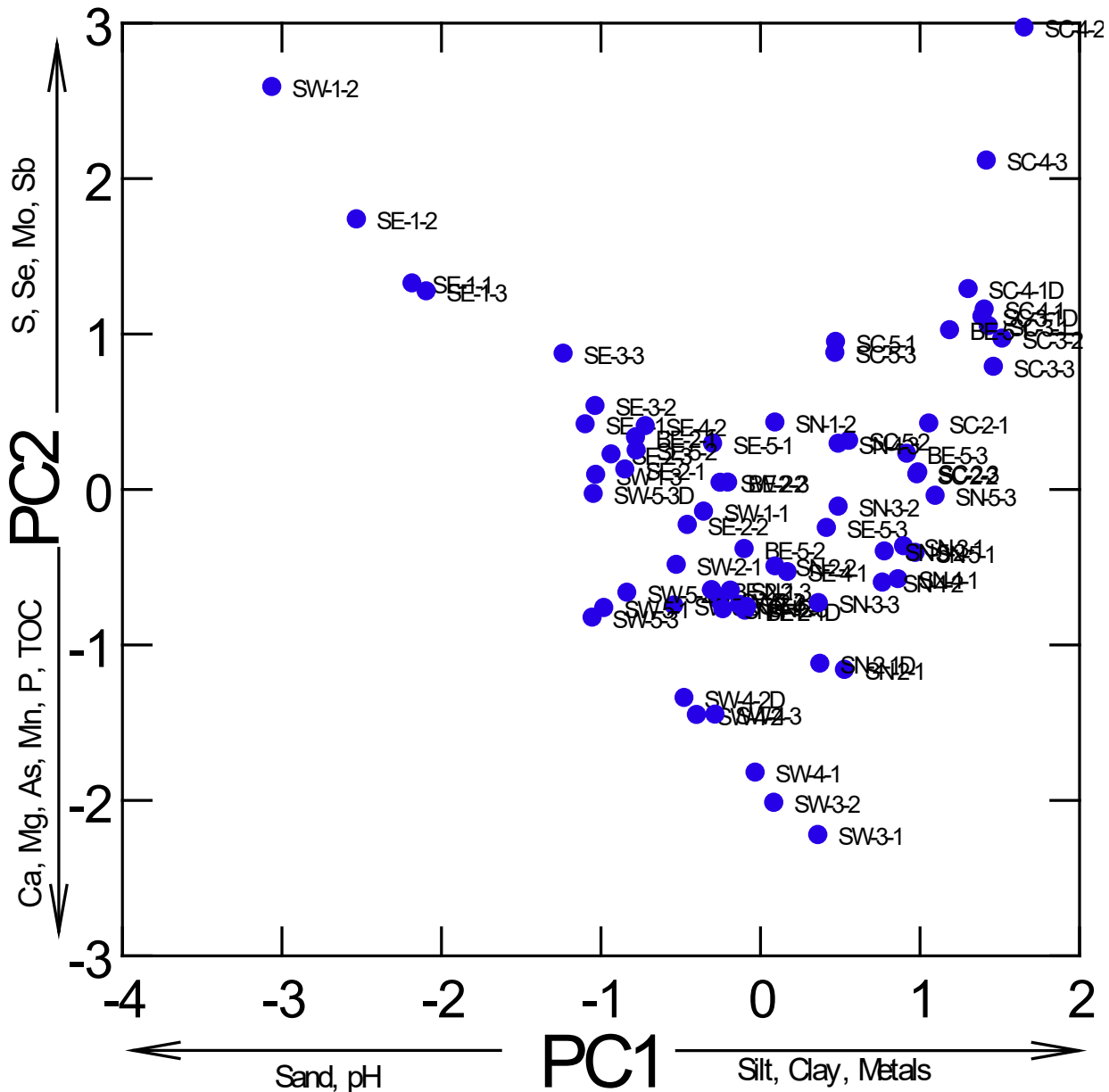
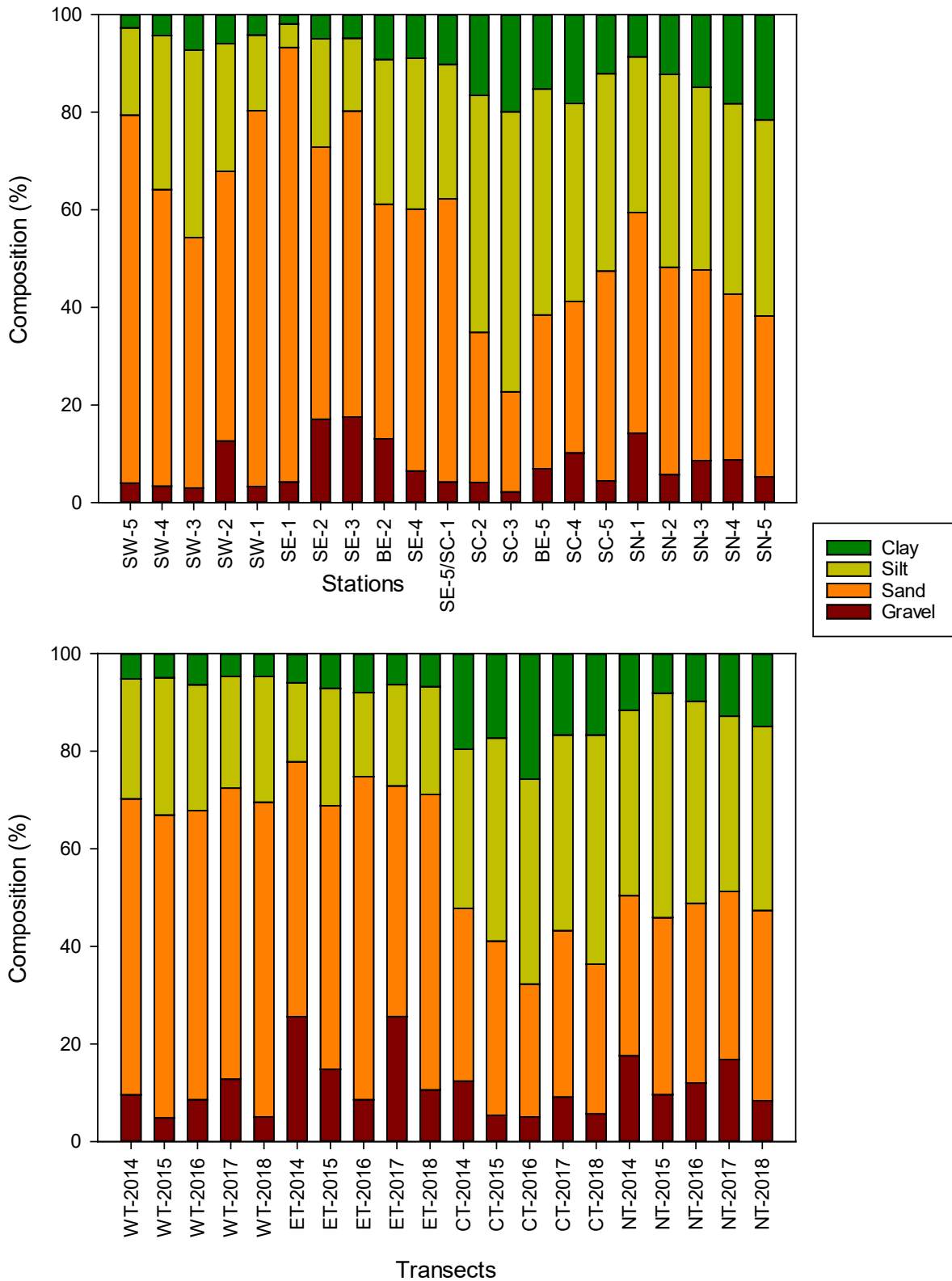
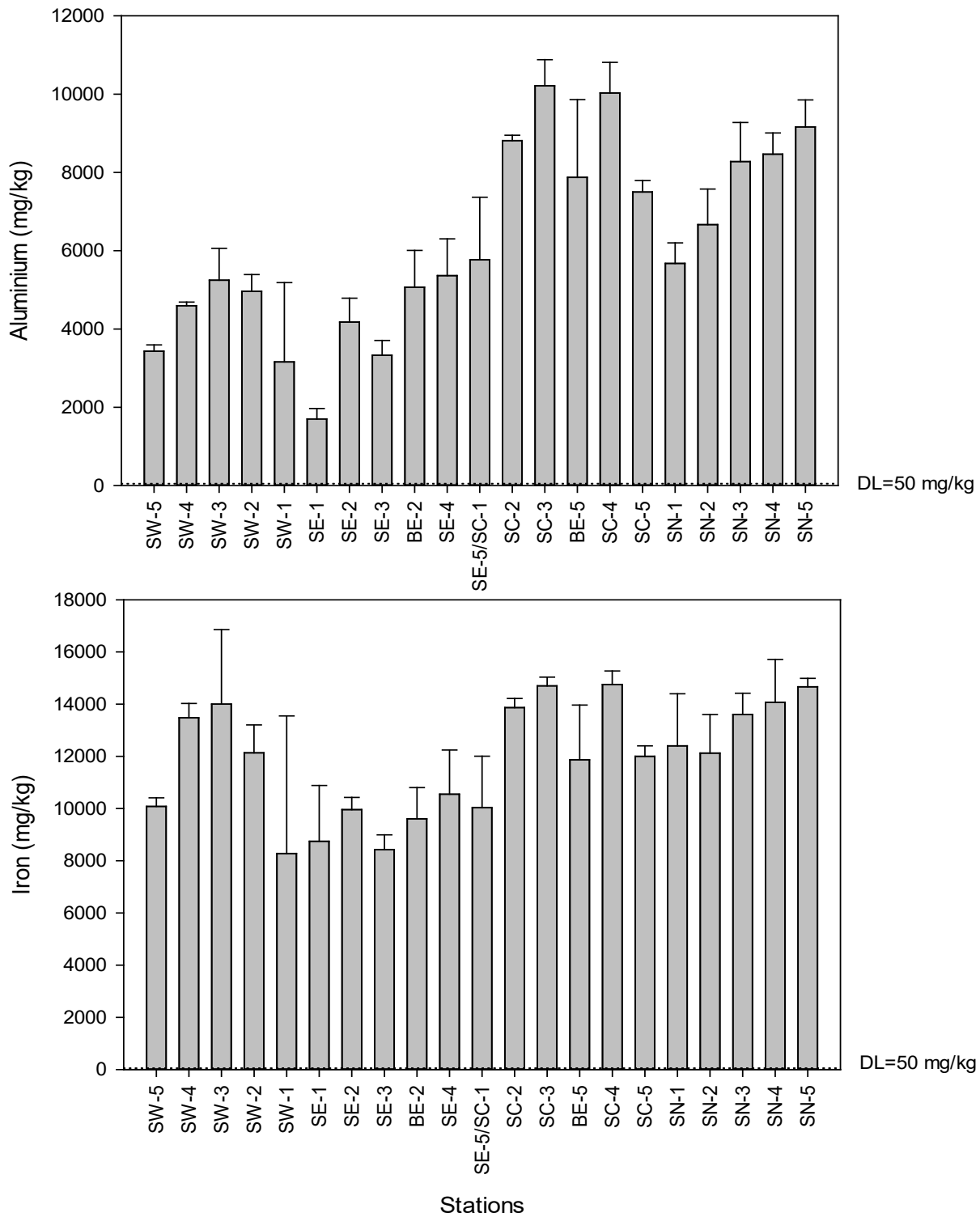


Figure 4-5: Principal Component Analysis (PCA) of Sediment Samples, 2018



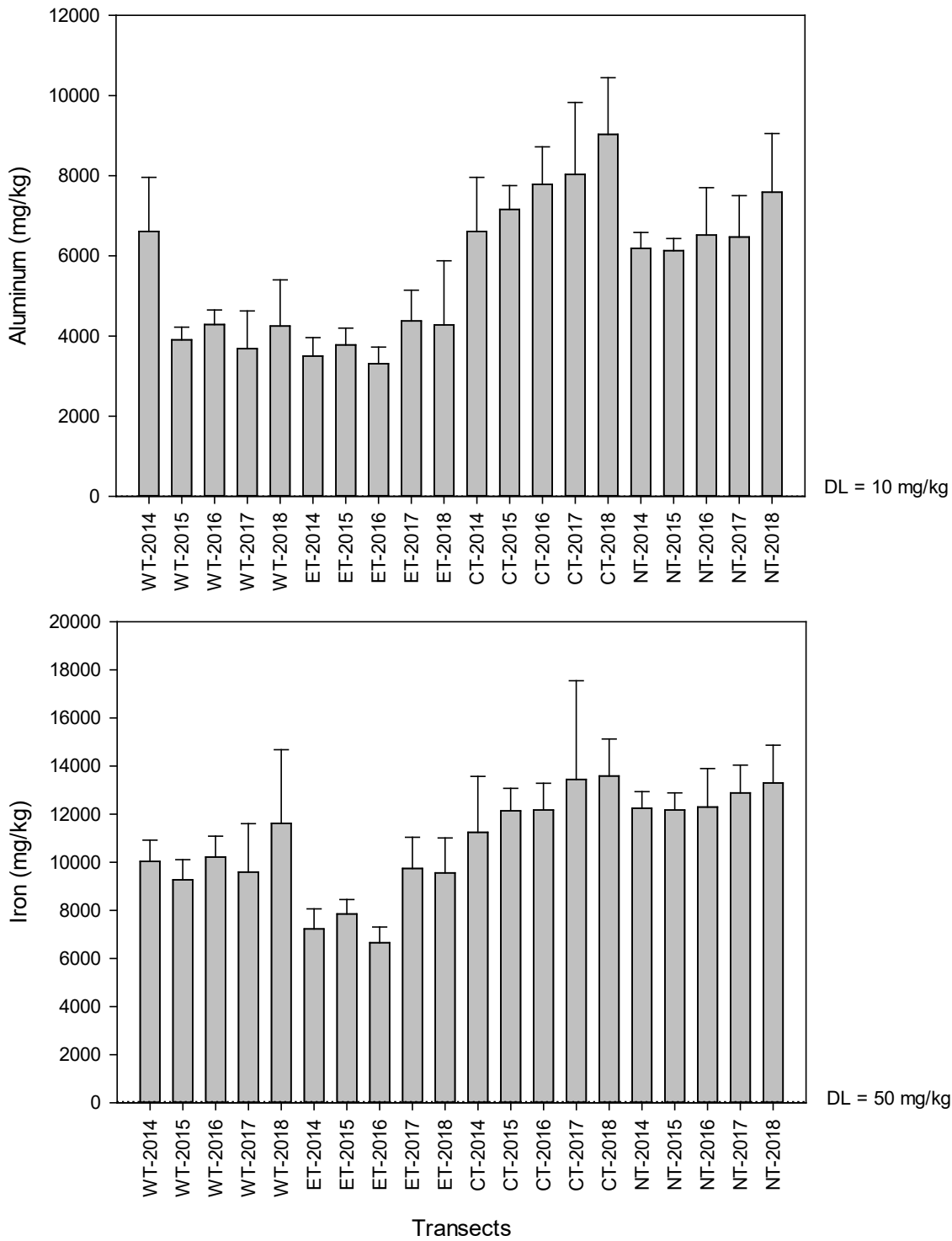
Notes: WT - West Transect; ET - East Transect; CT - Coastal Transect; NT - North Transect

Figure 4-6: Mean Sediment Particle Size Composition among Stations in 2018 (top) and among Transects and Years (2014 to 2018; bottom).



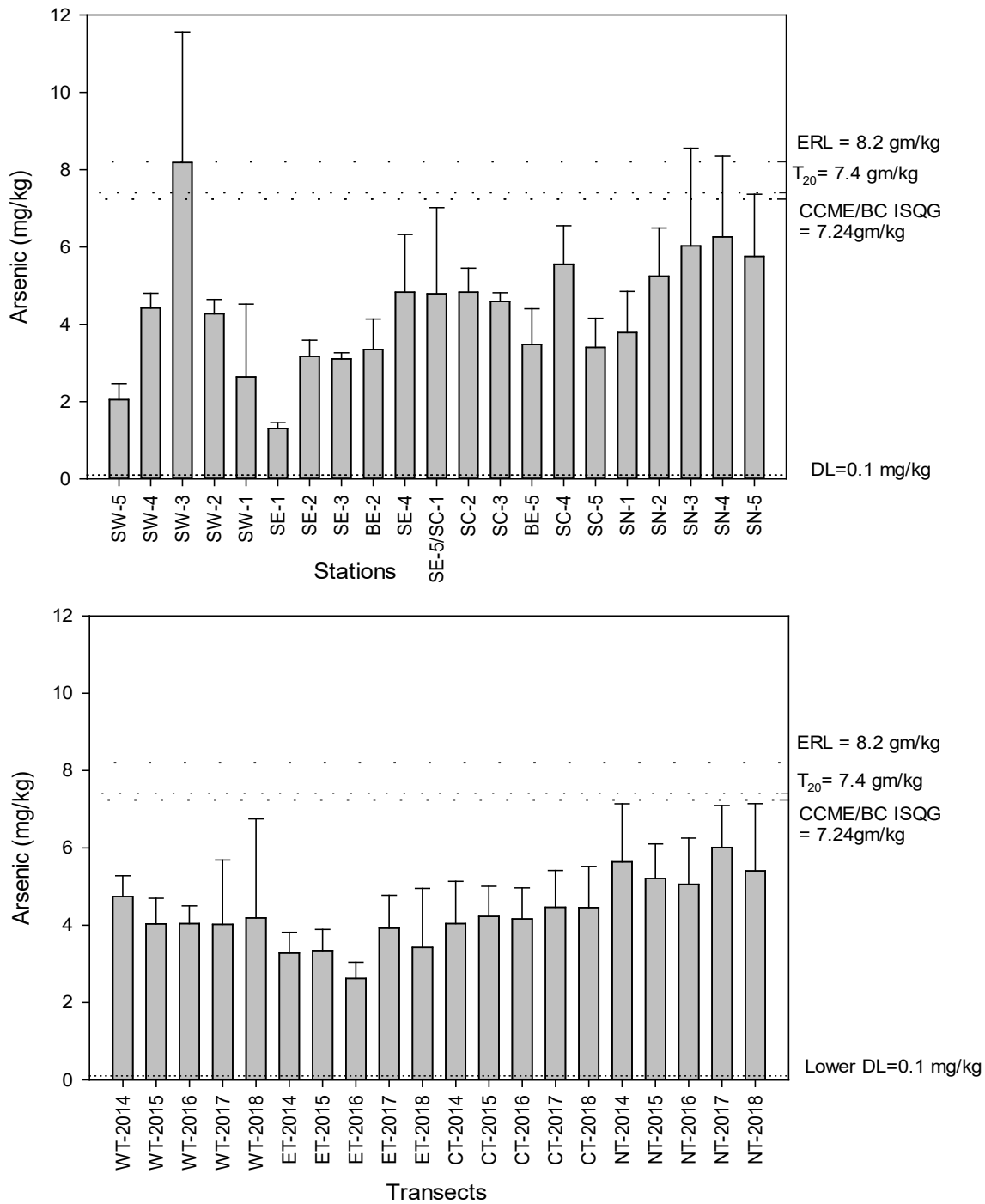
Notes: DL - detection limit
 Error bars represent standard deviation

Figure 4-7: Mean Iron and Aluminum Concentrations in Sediments by Station, 2018



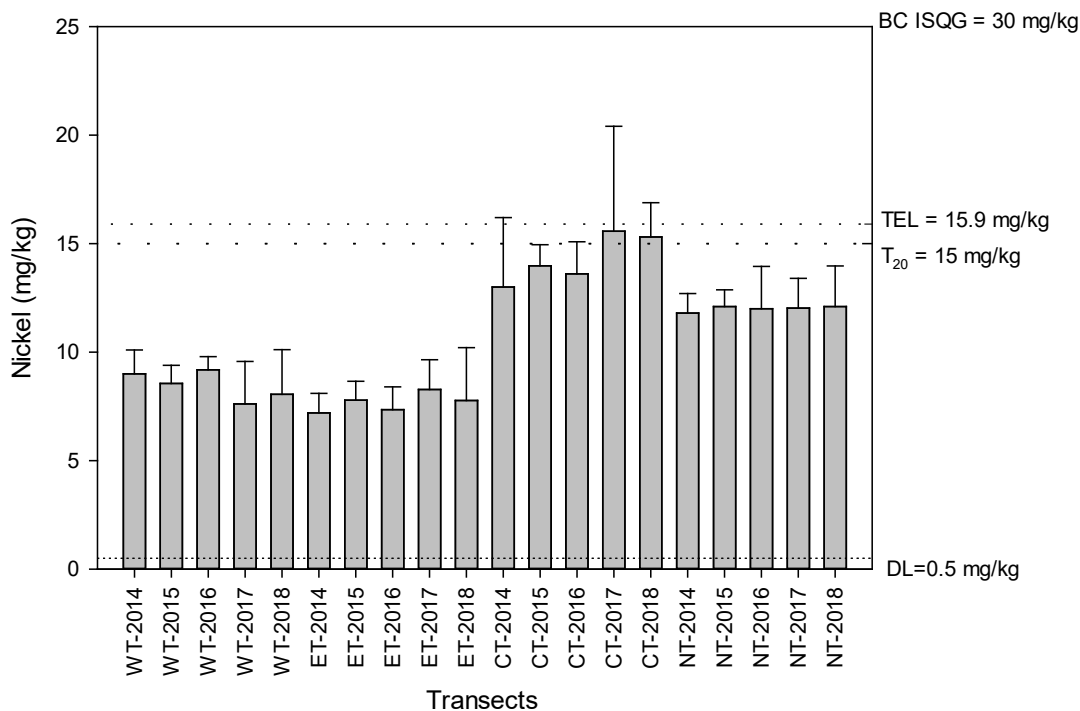
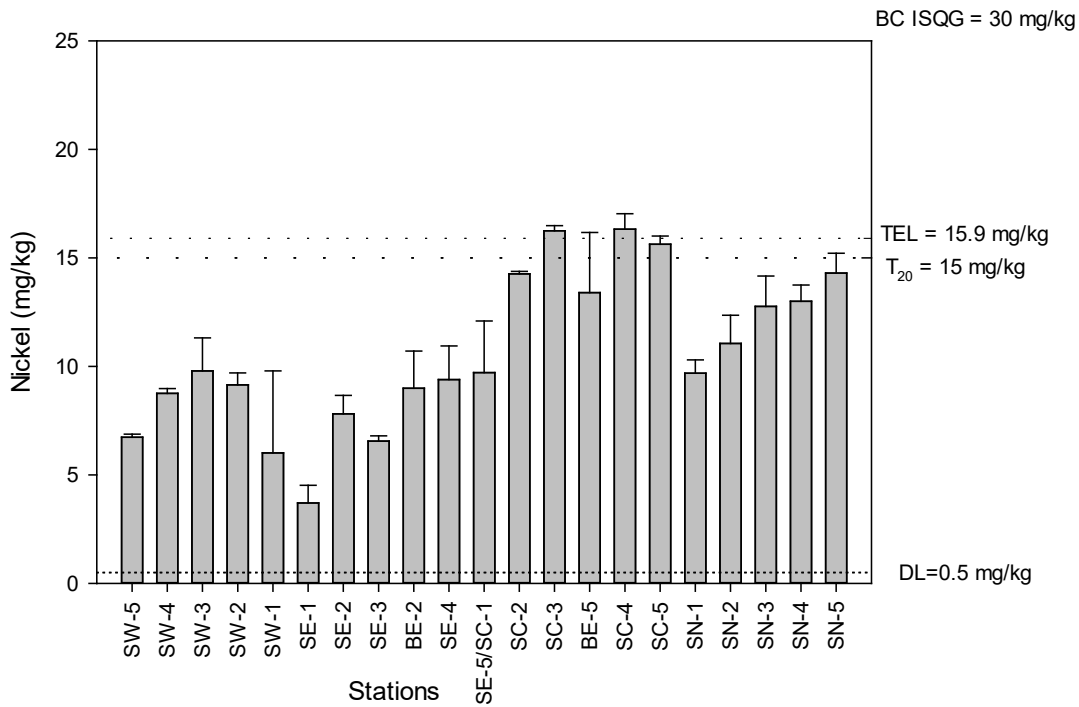
Notes: WT - West Transect; ET - East Transect; CT - Coastal Transect; NT - North Transect
 DL - detection limit
 Error bars represent standard deviation

Figure 4-8: Mean Aluminum and Iron Concentrations in Sediments by Transect, 2014 to 2018



Notes: WT - West Transect; ET - East Transect; CT - Coastal Transect; NT - North Transect
 DL - detection limit
 Error bars represent standard deviation
 ISQG - Interim Sediment Quality Guidelines
 ERL - Effect Range-Low
 T₂₀ - 20% probability of observing toxicity

Figure 4-9: Mean Arsenic Concentrations in Sediments by Station in 2018 (top) and by Transect in 2014 to 2018 (bottom)



Notes: WT - West Transect; ET - East Transect; CT - Coastal Transect; NT - North Transect
 DL - detection limit
 Error bars represent standard deviation
 ISQG - Interim Sediment Quality Guidelines
 Threshold Effects Level
 T_{20} - 20% probability of observing toxicity

Figure 4-10: Mean Nickel Concentrations in Sediments by Station in 2018 (top) and by Transect in 2014 to 2018 (bottom)

4.1.2.1 EEM - Content of Fines

The percentage of fines in sediment samples was analyzed using a single ANCOVA model, with main effects of distance from transect origin, year (as a categorical variable), and transect, and all possible interactions. The effect of distance was modeled as a second-degree polynomial to account for the non-linearity in percent fines relative to distance from transect origin. The model explained 82% of the data variability, and the three-way interaction was statistically significant, indicating differences in the relationship between fines and distance under different years and transects (Table 4-3). The relationships between fines and distance were overall similar across years within each transect, with the exceptions of 2016 in the West and Coastal transects, and 2015 and 2017 in the East Transect (Figure 4-11).

Increases in fines over time would be interpreted as a Project-related effect. The analysis showed high in-station variability between samples, particularly in 2016 and 2017. At the West Transect, fines were generally low at the dock and >1,000 m from the dock, and generally peaked at 600 m to 900 m from the dock (Figure 4-11). Fines content at 0 m decreased significantly between 2016 and 2017/2018, whereas fines content at 500 m, 1,000 m, and 1,500 m distances from the dock did not change significantly between years (Table 4-4). However, note that the 2017 SW-1 station was removed from the test, and the 2017 estimate used for multiple comparisons is an extrapolation of the existing data.

On the East Transect, fines generally increased with distance from the dock in all five sampling years, with small interannual differences in the relationship (Figure 4-11). Estimates of fines at 0 m distance from the dock were similar in 2014, 2016, and 2018, and significantly lower than mean values in 2015 and 2017 (Table 4-4). Overall, while interannual variability was significant, no consistent interannual trend was detected at the East Transect origin. At the remaining examined distances, fines content did not vary significantly between years.

On the Coastal Transect, fines content generally decreased with distance, particularly between 1,000 and 2,000 m from the transect origin (Figure 4-11). Significant increases in percent fines were estimated at 1,000 m and 1,500 m from the transect origin between 2014 and 2016 (Table 4-4; note that there was a high between-sample variability for these stations in 2016; Figure 4-11). However, estimated means throughout 2015-2018 were not significantly different, indicating the lack of a consistent trend between years. Note that multiple comparisons at transect origin were not calculated for the Coastal Transect, since transect origin data are the same as the most distant station in the East Transect.

On the North Transect, all four years had a similar pattern of increase in fines with distance from the transect origin up to approximately 1,000 m, followed by a slight decrease in fines (Figure 4-11). A significant increase in percent fines was estimated at transect origin between 2014 and 2015, followed by a small decline in 2016 and no further changes throughout 2017-2018 (Table 4-4).

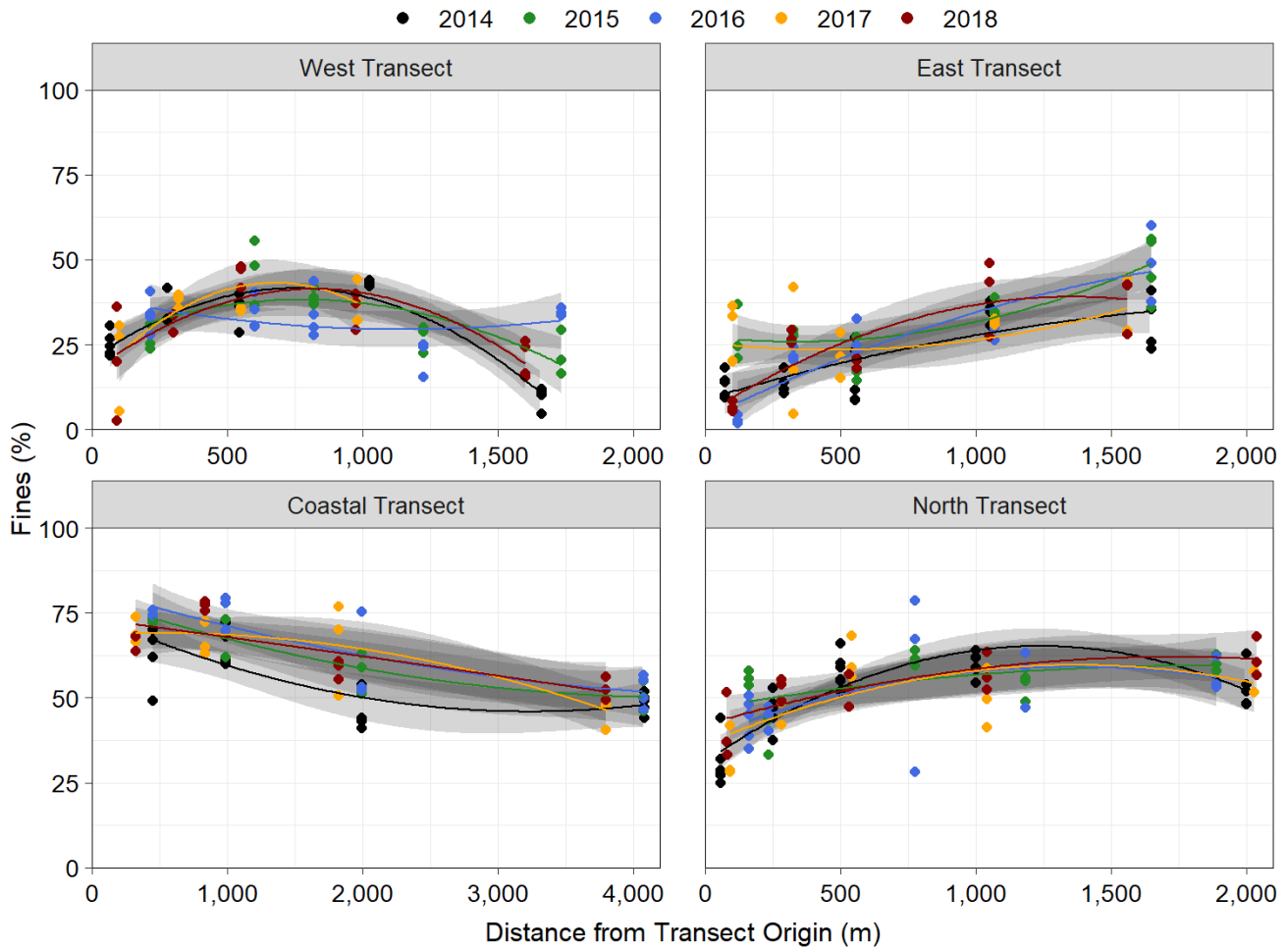


Figure 4-11: Observed (Points) and Estimated (Lines) Percent Fines in Sediment Relative to Sampling Distance along Transects, 2014 to 2018. Grey Ribbons are 95% Confidence Intervals.

Table 4-3: ANOVA Summary of Percent Fines in Sediments by Year and Transect

Adj. R^2	Parameter	Df	F value	P value
0.824	Distance from transect origin	2	72.64	<0.001
	Year	4	4.49	0.002
	Transect	3	386.31	<0.001
	Distance × Year	8	0.98	0.451
	Distance × Transect	6	35.2	<0.001
	Year × Transect	12	1.16	0.315
	Distance × Year × Transect	24	2.96	<0.001

Notes: Adj. R^2 = Adjusted R squared value; Df= degrees of freedom. Distance was modeled as a second-degree orthogonal polynomial.

Table 4-4: Multiple Comparisons of Percent Fines between Years, within Distance/Transect Combinations

Transect and Distance from Origin (m)	Sampling Year				
	2014	2015	2016	2017	2018
West Transect					
0	ab	ab	<u>b</u>	<u>a</u>	a
500	a	a	a	a	a
1,000	a	a	a	a	a
1,500	a	a	a	a	a
East Transect					
0	a	<u>b</u>	<u>a</u>	<u>b</u>	<u>a</u>
500	a	a	a	a	a
1,000	a	a	a	a	a
1,500	a	a	a	a	a
Coastal Transect					
500	a	a	a	a	a
1,000	a	ab	b	ab	ab
1,500	a	ab	b	b	ab
4,000	a	a	a	a	a
North Transect					
0	a	b	ab	ab	ab
500	a	a	a	a	a
1,000	a	a	a	a	a
1,500	a	a	a	a	a

Notes: Years that do not share letters (within every distance in each transect) are significantly different from each other. Increasing letters represent an increase in values: "a" is the lowest estimated fines value, "b" representing is the second lowest, and so on. Grey shading depicts significant, increasing trends between consecutive years, and underlined letters represent significant, decreasing trends between consecutive years.

4.1.2.2 EEM - Iron Concentrations

The content of iron in sediment samples was analyzed using a single ANCOVA model, with main effects of distance from transect origin, year (as a categorical variable), transect, and all possible interactions between the three variables, in addition to a main effect of percent fines, to account for the strong relationship between these two variables (Figure 4-12). Iron content, distance from transect origin, and percent fines were natural-log transformed to make the relationships linear. Since non-linearity still remained in the relationship between natural-log transformed iron content and natural-log transformed distance, the effect of distance was modeled as a second-degree polynomial. The model explained 90% of the data variability, and the three-way interaction was statistically significant ($P < 0.001$), indicating differences in the relationship between iron and distance under different years and transects (Table 4-5). Log-transformed percent fines was a statistically significant explanatory variable of iron content ($P < 0.001$).

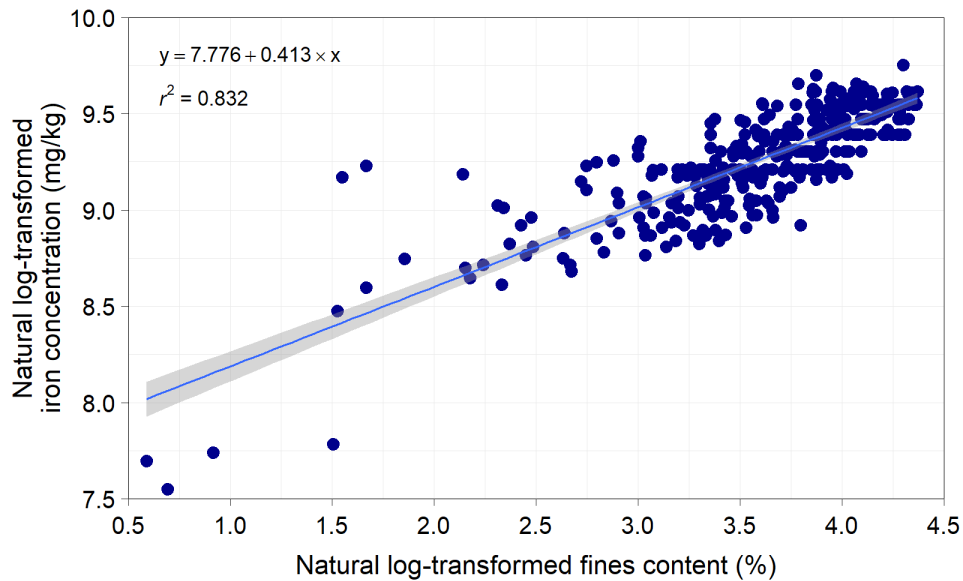


Figure 4-12: Relationship between Iron Concentration and Fines Content in Sediment, 2014-2018. Grey Ribbon is 95% Confidence Interval.

Increases in iron content over time would be interpreted as a Project-related effect. On the West Transect, observed iron concentrations were generally low or intermediate at the dock and at stations farther than 1,000 m from the dock, with a peak in concentrations at 250-1,000 m from the dock (Figure 4-13). Significant increases in iron concentrations were estimated at 500 m and 1,000 m from the dock between 2015 and 2017/2018, as well as at 1,500 m between 2016 and 2018 (Table 4-6). However, note that a decrease in iron concentrations was estimated at 1,000 m between 2014 and 2015. Overall, increases in iron content in sediment on the West Transect was observed at 500 m and 1,500 m during sampling undertaken between 2014 and 2018. Changes were also observed on the East Transect between 2014 and 2018, with significant increases in iron concentrations (at observed fines content values) at 500 m and 1,000 m from the dock, but not at 0 m or 1,500 m from the dock (Table 4-6, Figure 4-13). No interannual changes in iron concentrations (at observed fines content values) were observed on the Coastal Transect at either of the four tested distances from transect origin. On the North Transect, no increases in iron content (at observed fines content values) were estimated between 2014 and 2018 at any of the four examined distances (Table 4-6).

Table 4-5: ANOVA Summary of Iron Content in Sediments by Year and Transect

Adj. R ²	Parameter	Df	F value	P value
0.895	Distance from transect origin	2	4.01	0.019
	Year	4	55.55	<0.001
	Transect	3	54.91	<0.001
	Distance × Year	8	8.58	<0.001
	Distance × Transect	6	10.93	<0.001
	Year × Transect	12	7.66	<0.001
	Distance × Year × Transect	24	3.50	<0.001
	Fines	1	153.43	<0.001

Notes: Adj. R²= Adjusted R squared value; Df= degrees of freedom. Distance was modeled as a second-degree orthogonal polynomial; distance, fines, and iron content were natural log-transformed prior to analysis.

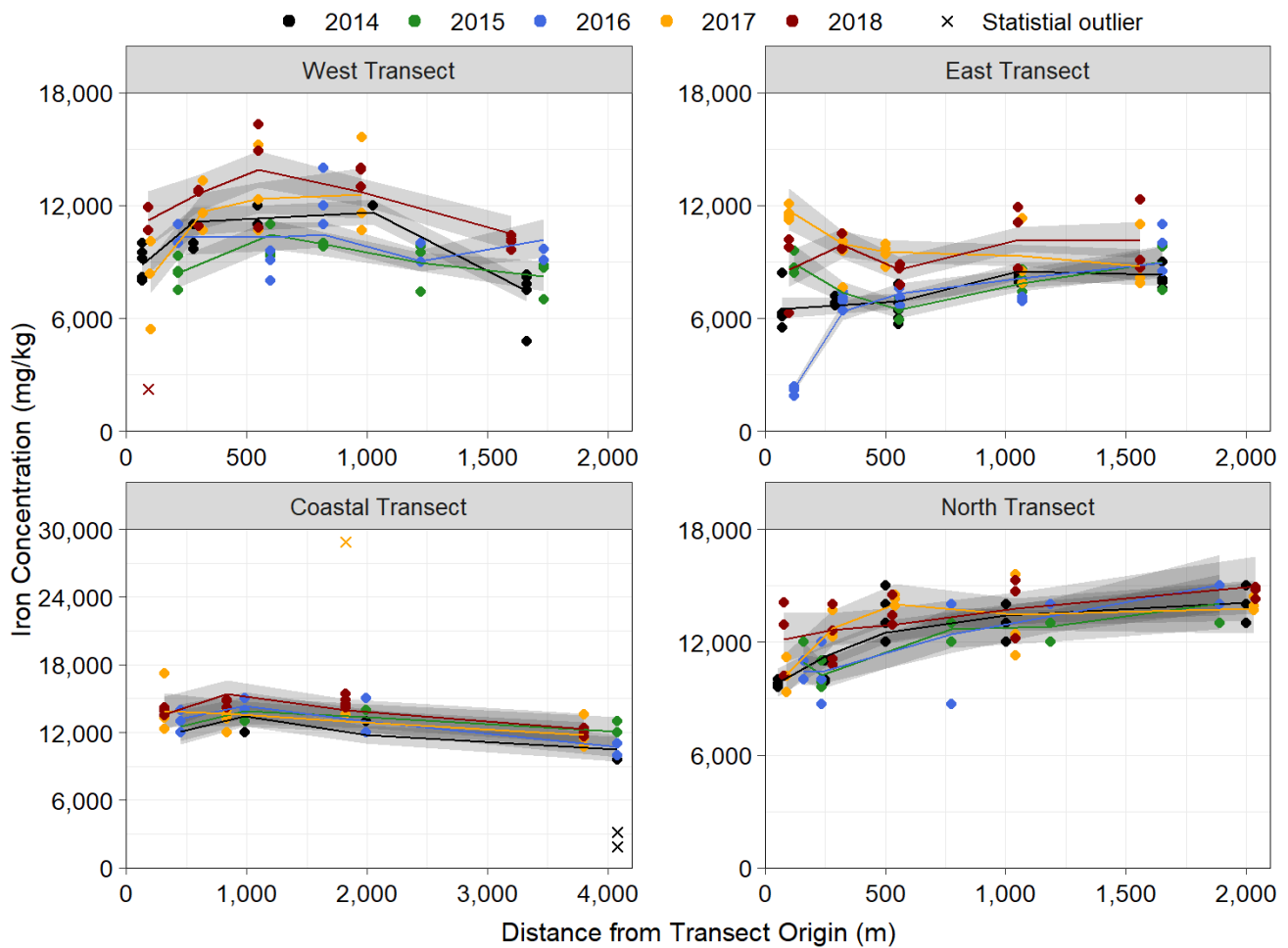


Figure 4-13: Observed (Points) and Estimated (Lines) Iron Content in Sediment Relative to Sampling Distance along Transects, 2014-2018. Grey Ribbons are 95% Confidence Intervals.

Table 4-6: Multiple Comparisons of Iron Content between Years, within Distance/Transect Combinations (at Observed Fines for each Transect / Distance / Year)

Transect and Distance from Origin (m)	Sampling Year				
	2014	2015	2016	2017	2018
West Transect					
0	a	a	a	a	a
500	a	a	a	ab	b
1,000	<u>b</u>	<u>a</u>	a	b	b
1,500	a	a	b	---	b
East Transect					
0	b	<u>b</u>	<u>a</u>	b	b
500	a	a	a	b	b
1,000	ab	a	ab	bc	c
1,500	a	a	a	a	a

Transect and Distance from Origin (m)	Sampling Year				
	2014	2015	2016	2017	2018
Coastal Transect					
500	a	a	a	a	a
1,000	a	a	a	a	a
2,000	a	a	a	a	a
4,000	a	a	a	a	a
North Transect					
0	a	a	a	a	a
500	ab	a	a	b	ab
1,000	a	a	a	a	a
2,000	a	a	a	a	a

Notes: Years that do not share letters (within every distance in each transect) are significantly different from each other. Increasing letters represent an increase in values: "a" is the lowest estimated fines value, "b" representing is the second lowest, and so on. Grey shading depicts significant, increasing trends between consecutive years, and underlined letters represent significant, decreasing trends between consecutive years. Multiple comparisons were performed on iron concentrations adjusted to mean log-transformed percent fines within each transect.

The content of fines differed between stations and years, as detailed in Section 4.1.2.1. Therefore, the multiple comparisons detailed above do not represent actual changes in iron concentrations when compared at the same value of fines content. To provide this assessment, multiple comparisons of the iron ANCOVA model were performed at the minimum and maximum values of fines contents, specific to each of the four transects. Due to the high uncertainty of model predictions at transect origin, these multiple comparisons began at 50 m from the transect origin, instead of at the transect origin (i.e., 0 m). At both maximum and minimum transect-specific values of fines content, there were no significant increases in iron content estimated between 2014 and 2018 at either of the examined distances at the West Transect (Table 4-7, Figure 4-14). When 2018 was compared to 2015, significant increases in iron content were estimated at 500 m, 1,000 m, and 1,500 m from the transect origin at the West Transect. At the East Transect, significant increases in iron content between 2014 and 2018 were recorded at 50 m and 1,000 m from the ore dock at both minimum and maximum transect-specific fines content values (Table 4-7). When compared to 2015 values, significant changes were also estimated at 500 m and 1,000 m from the ore dock. No significant changes between years were estimated at either the Coastal or the North transects at any of the examined distances (Table 4-7, Figure 4-14). Overall, significant increases in iron concentrations (when corrected for fines content) between 2014 and 2018 were estimated at the East Transect at 50 and 1,000 m. Interannually, changes in iron at these transects fluctuated showing both increases and decreases, and no consistent trend has been detected (Table 4-7).

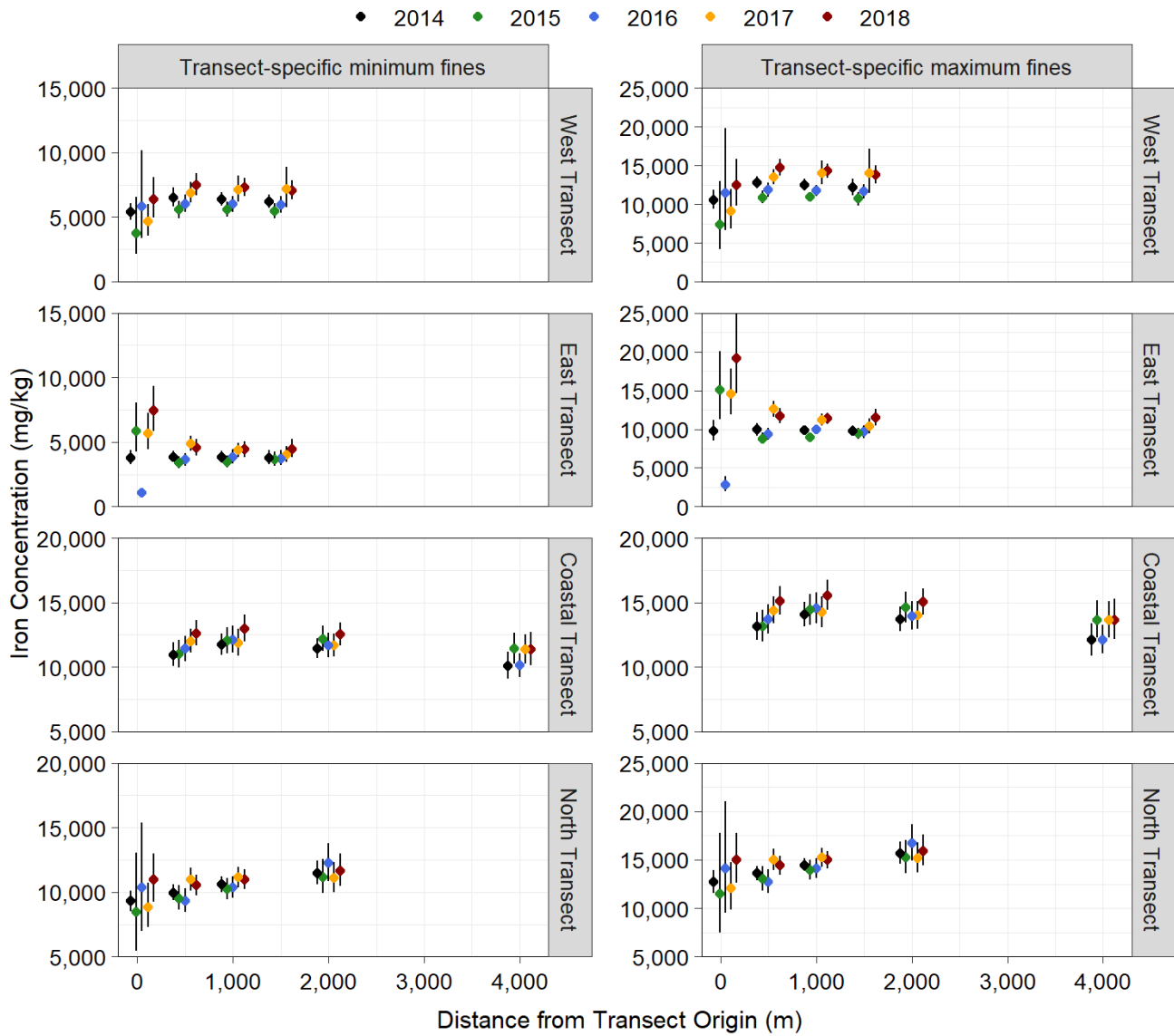


Figure 4-14: Estimated Iron Content in Sediment Relative to Sampling Distance along Transects at Minimum and Maximum Transect-Specific Fines Content, 2014 to 2018. Grey Ribbons are 95% Confidence Intervals.

Table 4-7: Multiple Comparisons of Iron Content between Years, within Distance/Transect Combinations, Adjusted for Content of Fines Covariate (at Minimum and Maximum Transect-Specific Fines Content)

Transect and Distance from Origin (m)	Minimum Fines Content					Maximum Fines Content				
	Sampling Year					Sampling Year				
	2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
West Transect										
50	a	a	a	a	a	a	a	a	a	a
500	abc	a	ab	bc	c	abc	a	ab	bc	c
1,000	abc	a	ab	bc	c	abc	a	ab	bc	c
1,500	ab	a	ab	---	b	ab	a	ab	---	b
East Transect										
50	b	bc	a	bc	c	b	bc	a	bc	c
500	ab	a	a	c	bc	ab	a	a	c	bc
1,000	ab	a	abc	bc	c	ab	a	abc	bc	c
1,500	a	a	a	a	a	a	a	a	a	a
Coastal Transect										
500	a	a	a	a	a	a	a	a	a	a
1,000	a	a	a	a	a	a	a	a	a	a
2,000	a	a	a	a	a	a	a	a	a	a
4,000	a	a	a	a	a	a	a	a	a	a
North Transect										
50	a	a	a	a	a	a	a	a	a	a
500	a	a	a	a	a	a	a	a	a	a
1,000	a	a	a	a	a	a	a	a	a	a
2,000	a	a	a	a	a	a	a	a	a	a

Notes: Years that do not share letters (within every distance in each transect) are significantly different from each other. Increasing letters represent an increase in values: "a" is the lowest estimated fines value, "b" representing is the second lowest, and so on. Grey shading depicts significant, increasing trends between consecutive years, and underlined letters represent significant, decreasing trends between consecutive years. Multiple comparisons were performed on iron concentrations adjusted to mean log-transformed percent fines within each transect.

4.1.3 Substrate, Macroflora, and Benthic Epifauna

The MEEMP epibenthic study program was modified in 2018 to include underwater video monitoring of benthic epifauna and macroflora communities within nine 1 m x 5 m permanent belt transects installed on the sea floor; five in the Milne Port area and four in the Reference Area. Data on macrofloral and epifaunal taxonomic composition and abundance collected from the belt transects will be used to monitor for potential project-related effects on epibenthic biological communities during future studies. Detailed information on video observation of each belt transect is presented in ANNEXE D and summarized below. One of the belt transects, TP-6, was not fully spread during installation, which substantially reduced its area; therefore, TP-6 was deemed failed and was not included in the analysis.

Observed substrate in the belt transects consisted predominantly of fines and covered from 84% (TP-10) to 100% (TP-1) of the total transect area. The other observed substrate types were shell debris (from <1% to 15%), mixed cobble (trace amounts to 5%) and mixed boulders, which were observed only in TP-9 (5%) (ANNEXE D).

Taxonomic resolution of macroflora and benthic epifauna was relatively coarse for stations in Milne Port area in 2018 due to technical limitations of the ROV video resolution. Relative abundance of macroflora was largely dominated by unidentified algae (Figure 4-15) and taxonomic resolution of identifiable taxa was limited to phylum of algae, except for brown bladed kelp (*Laminaria* sp.) and encrusting coralline algae (Family Corallinophycidae). Station TP2 was equally dominated by *Laminaria* sp. and green algae (Chlorophyceae). Red algae (Rhodophyceae) was most dominant at TP-3, TP-4, and TP-7, while encrusting coralline algae (another Rhodophyceae) was present in TP-7, TP-8, and TP-9 where no other red algae was observed. Brown algae (Phaeophyceae) were present at TP-7 and TP-8 and *Laminaria* sp. (another Phaeophyceae) was also observed at TP-7.

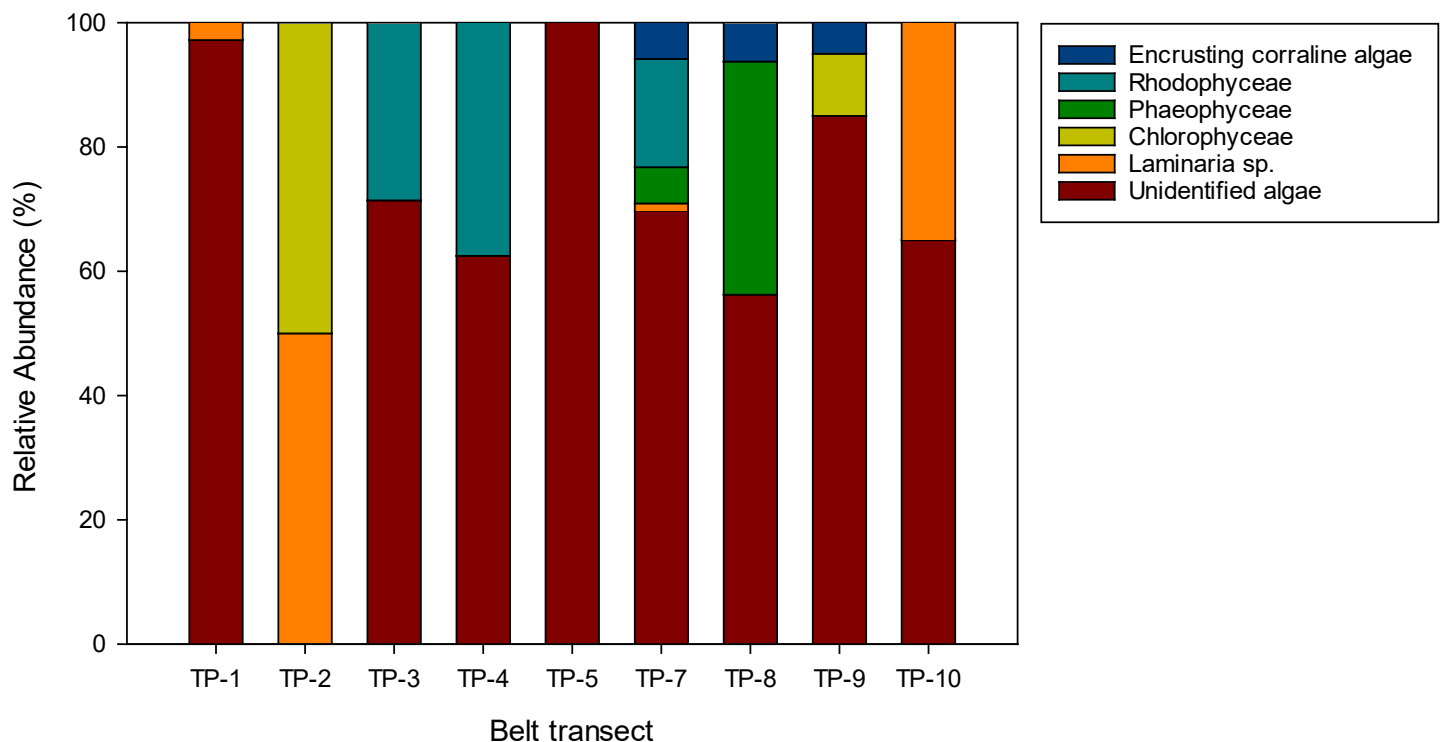


Figure 4-15: Relative abundance (%) of Macroflora observed in belt transects, 2018

Total abundance (count/station) of epifauna are presented in Figure 4-16 (top). Abundance was highest at TP-4 (180 organisms), then TP-7 (129 organisms), TP-1 (118 organisms), and TP-8 (110 organisms). Lowest abundance was found at TP-9 (7 organisms) and TP-10 (1 organism).

Clams dominated the relative abundance at all stations except TP-9 or TP-10, where they were not present (Figure 4-16 (bottom)). Brittle stars (Ophiuridae) largely dominated at TP-9 and TP-10 and were present to a much lesser extent at most of the other stations, but were not present in TP-2 and TP-7. Station TP-10 only had 1 brittle star (ANNEXE D).

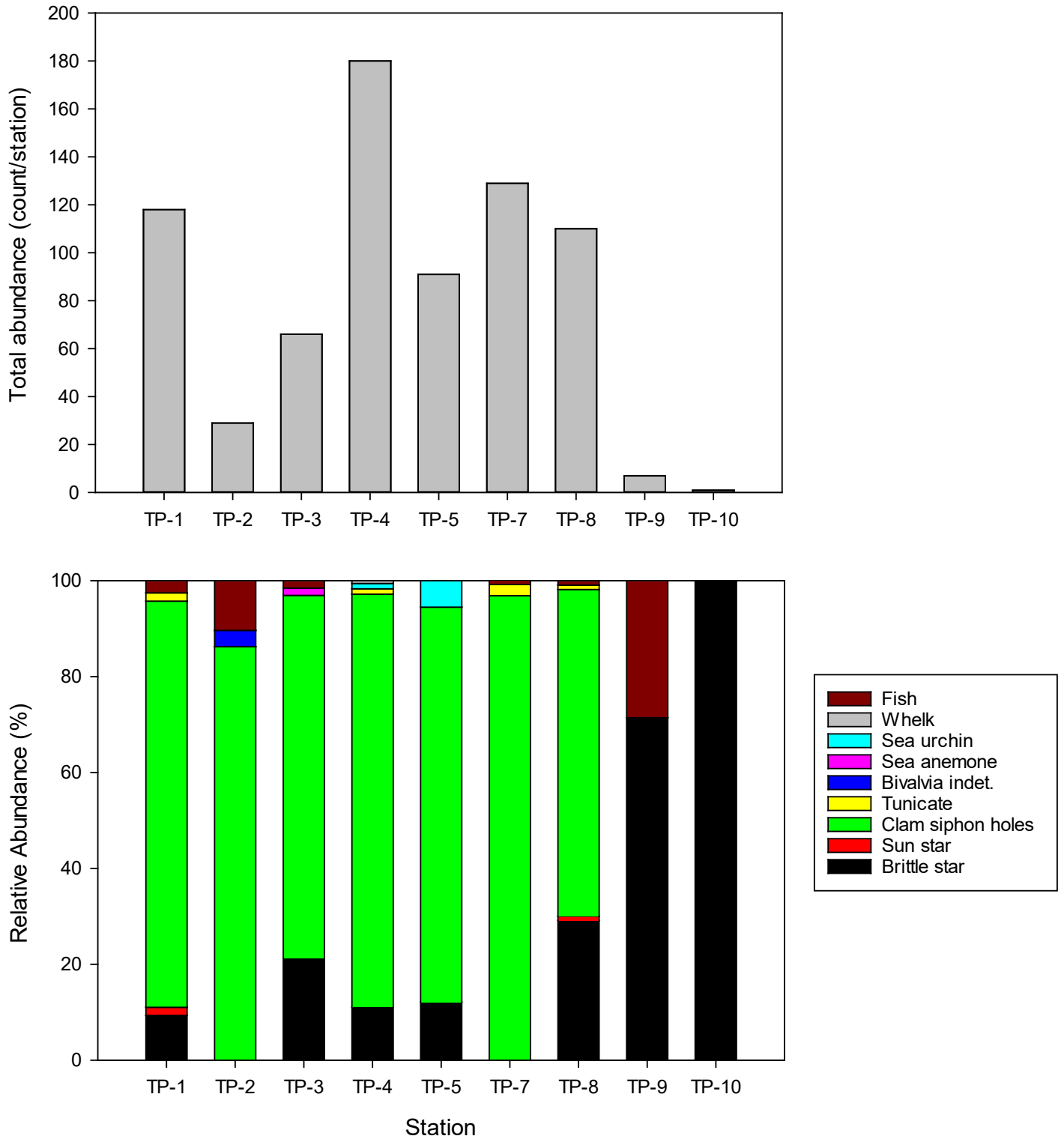


Figure 4-16: Total abundance (count/station) of epifauna (top) and relative abundance (%) of major epifaunal taxonomic groups (bottom) in belt transects, 2018

4.1.4 Benthic Infauna

4.1.4.1 Community Studies

Benthic invertebrate samples were collected from 15 stations arranged along three transects (East, West and North) that extended out from the ore dock at a depth of 15-metre. Benthic invertebrate community studies are a part of the environmental effects monitoring (EEM) studies and community metrics summarized below will be used to assess potential effects from the Project operations during future studies.

Results of benthic infauna taxonomic analysis are presented in ANNEXE E. A total of 39,708 organisms were counted in EEM samples from the Milne Port area in 2018.

Three incidental taxa were removed from this analysis. The incidental taxa, representing two dipteran (*Orthocladinae* indet. and *Chironomidae* indet.) and one coleopteran (*Curculionidae* indet.) species, are occasionally found in brackish water conditions, but were assumed to be incidental due to the depths at which the samples were collected. Average densities at the sample stations ranged from approximately 3,800 organism/m² to nearly 24,000 organism/m² (Figure 4-17). Densities of benthic infauna were generally higher in the eastern and western transects, compared to the northern transect. Taxa richness (Figure 4-18) was relatively high at most sampled stations ranging from 29 to 59 taxa, similar to benthic infauna richness calculated for stations sampled during the AIS surveys in 2017 (Golder 2018). Shannon-Weiner Diversity (Figure 4-19) was similar to diversity values for AIS stations in 2017 (Golder 2018). Shannon-Weiner Diversity was generally lower at MEEMP program benthic stations compared to reported values from Davis Strait and Ungava Bay (Stewart et al. 1985). However, diversity was within the range, and higher, than values reported from Frobisher Bay and other areas within the Canadian Arctic (Cusson et al. 2007).

Polychaetes were the most abundant major taxa at all stations sampled in the 2018 MEEMP program (Figure 4-20), followed by crustaceans and bivalves. The relative abundance of the major taxa groups is similar to stations sampled during the 2017 AIS program, and baseline studies in 2010 and 2013 (SEM 2015, Golder 2018).

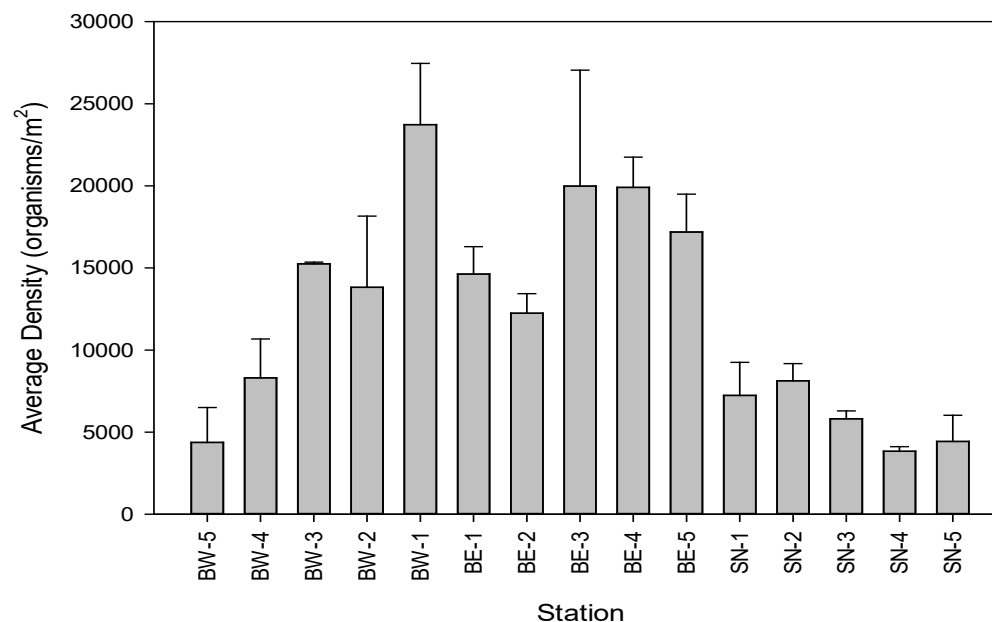


Figure 4-17: Benthic Infauna Taxa Density for Sampling Stations in the Milne Port Area, 2018. Error bars are standard deviation.

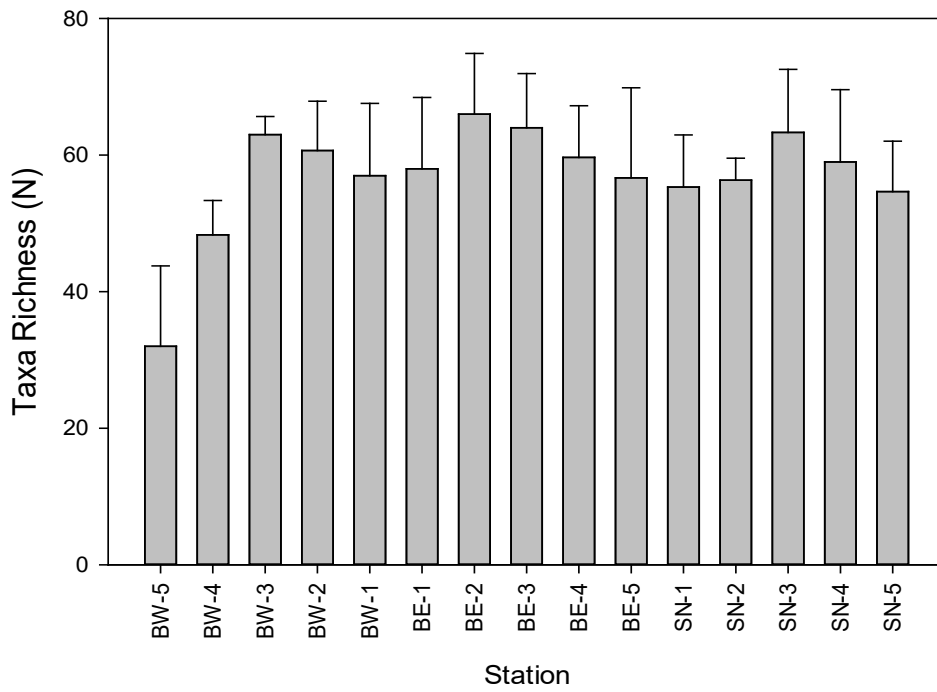


Figure 4-18: Benthic Infauna Taxa Richness for Each Sampling Station in the Milne Port Area, 2018. Error bars are standard deviation

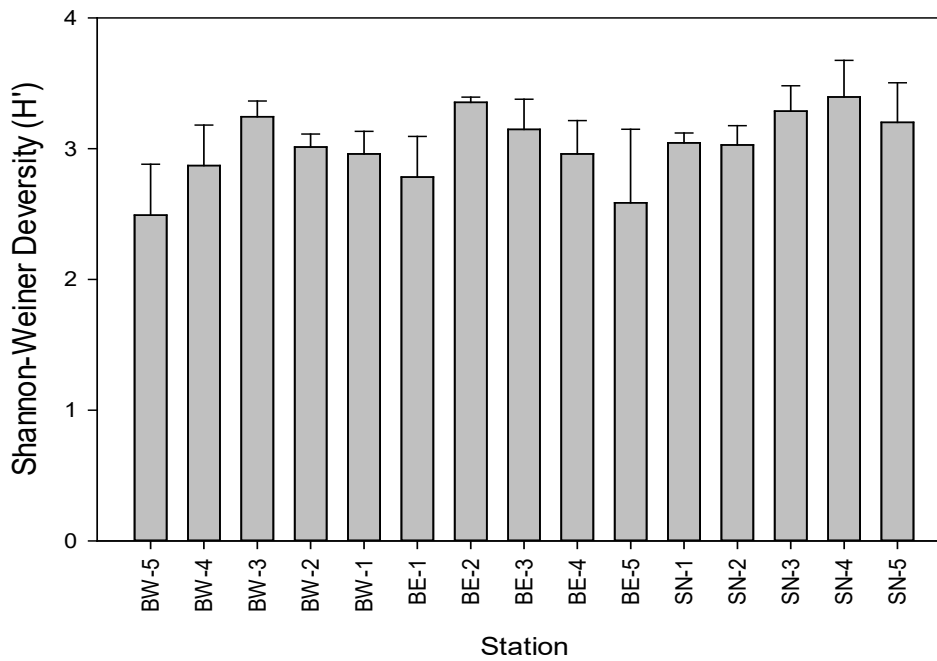


Figure 4-19: Benthic Infauna Diversity (H') in the Milne Port Area, 2018. Error bars are standard deviation

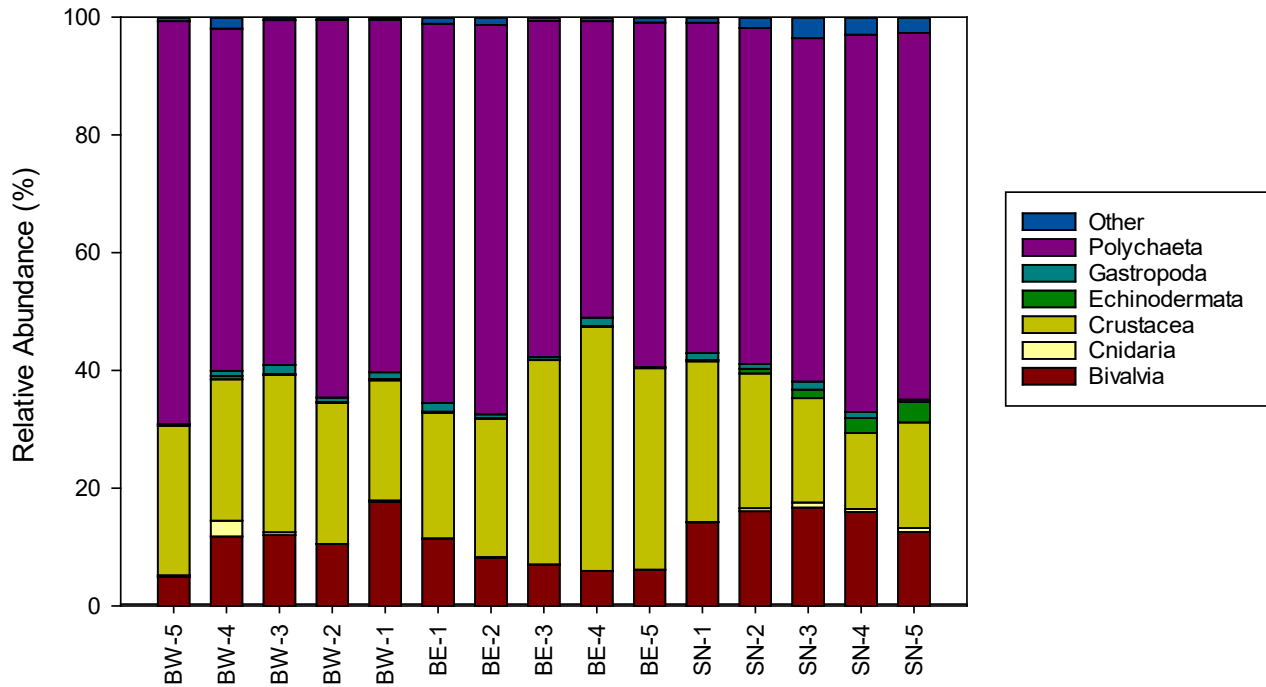


Figure 4-20: Relative Abundance of Major Benthic Infauna Groups in the Milne Port Area, 2018

4.1.4.2 Tissue Analysis

Tissue samples from *Hiatella arctica* were analyzed for body burden (metals) as an additional effects indicator for the fish sampling program. *H. arctica* was sampled opportunistically from sediment chemistry stations, benthic infauna stations, and AIS benthic infauna stations and combined into shellfish tissue stations that were spatially distributed and analyzed as shown in Table 4-8. Table 4-9 summarizes the range of metal tissue data measured in Milne Port Area. All samples collected were above detection limits and majority of metals were higher in *H. arctica* compared to Arctic char, except for mercury which was slightly lower in shellfish (Table 4-16). No samples in 2018 exceeded the Health Canada guideline (0.5 mg/kg) for mercury in shellfish tissue for human consumption. Detailed results of metal analysis for shellfish samples collected at each station from the Milne Port area in 2018 are in ANNEXE F. Clam body weight to length ratio measurements are presented in ANNEXE F.

Table 4-8: Stations sampled for shellfish tissue metals in Milne Port Area, 2018

Type of Sampling Station	Station	Shellfish Tissue Station
Sediment Chemistry, AIS Benthic Infauna	SW-1, BM-7, BM-9	BW-1
Sediment Chemistry, AIS Benthic Infauna	SW-2, BM-4, BM-6	BW-2
Sediment Chemistry, AIS Benthic Infauna	SW-3, BM-1, BM-3	BW-3
Sediment Chemistry	SW2-SW5	BW2-BW5
Sediment Chemistry	SE-1	SE-1
Sediment Chemistry, AIS Benthic Infauna	SE-2, BM-10, BM-12	SE-2
Benthic Infauna	BE-1	BE-1
Benthic Infauna	BE-2	BE-2
Benthic Infauna	BE-3	BE-3
Benthic Infauna	BE-4	BE-4
Benthic Infauna, Sediment Chemistry	BE-5, SC3-SC5	BE-5
Sediment Chemistry	SN-1	SN-1
Sediment Chemistry	SN-3	SN-3

Table 4-9: Summary of Detected Metal Concentrations (mg/kg wwt) in *H. arctica* shellfish Tissue Samples in the Milne Port Area, 2018

Metals	Health Canada Guideline	Mean	SD
Arsenic	-	2.44	0.68
Cadmium	-	0.68	0.47
Chromium	-	1.53	0.55
Copper	-	2.11	0.40
Iron	-	1329.83	511.54
Mercury	0.50	0.03	0.01
Zinc	-	11.26	1.83

Mean concentrations of metals in *H. arctica* are presented in Figure 4-21 to Figure 4-24. Highest arsenic and iron were found in shellfish samples from stations BW-3 and SN-1; arsenic at these stations was 4.12 and 3.73 mg/kg respectively and iron was 2,300 and 2,100 mg/kg respectively. Cadmium was low (< 0.827 mg/kg wwt) in most shellfish sampling stations, except for station SE-1 closer to the ore dock (2.49 mg/kg wwt) and a composite sample of stations BW2-BW5 (1.79 mg/kg wwt). Shellfish from station SN-1 also contained higher copper (3.29 mg/kg wwt) compared to other stations (< 2.61 mg/kg wwt). Mercury was low in shellfish tissue from all stations (<0.04 mg/kg wwt) except for station SE-2 (n=3) which contained one tissue sample measuring (0.0697 mg/kg wwt), and BE-2 (n=2) which included one tissue sample containing 0.0692 mg/kg wwt mercury. Chromium and zinc in shellfish tissue varied at all stations sampled.

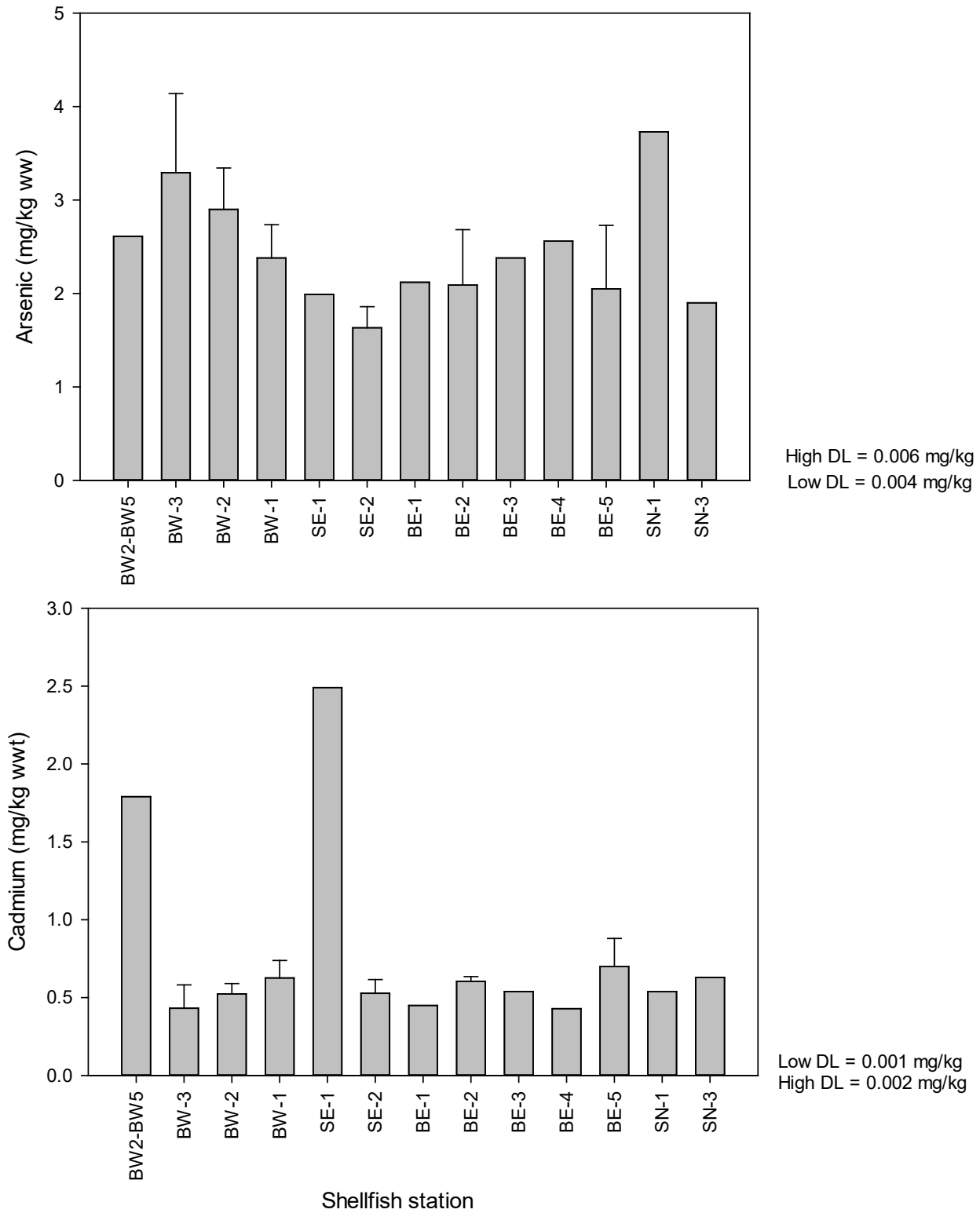


Figure 4-21: Mean Arsenic and Cadmium concentrations in *Hiatella arctica* tissue in Milne Port, 2018.

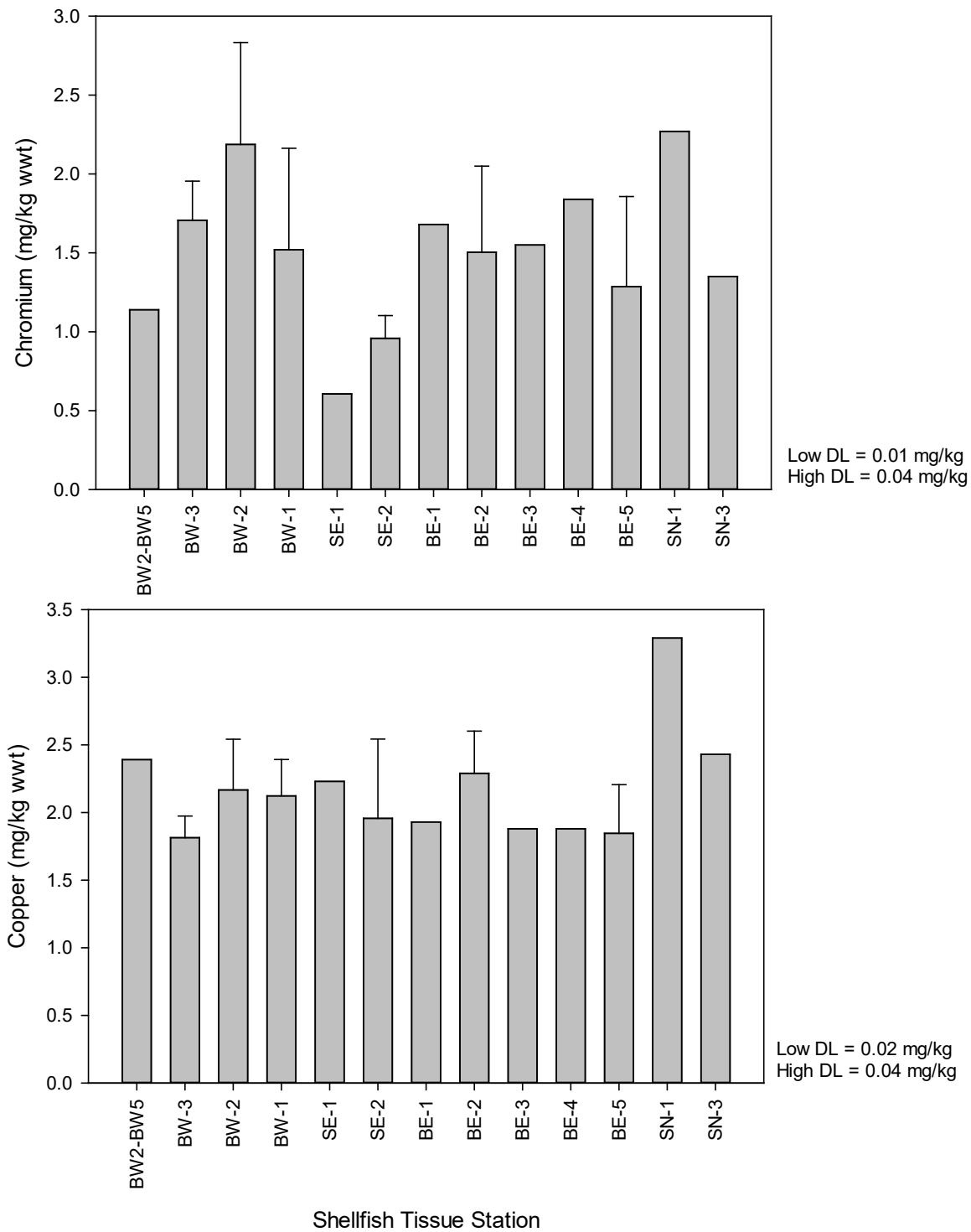


Figure 4-22: Mean Chromium and Copper concentrations in *Hiatella arctica* tissue in Milne Port, 2018.

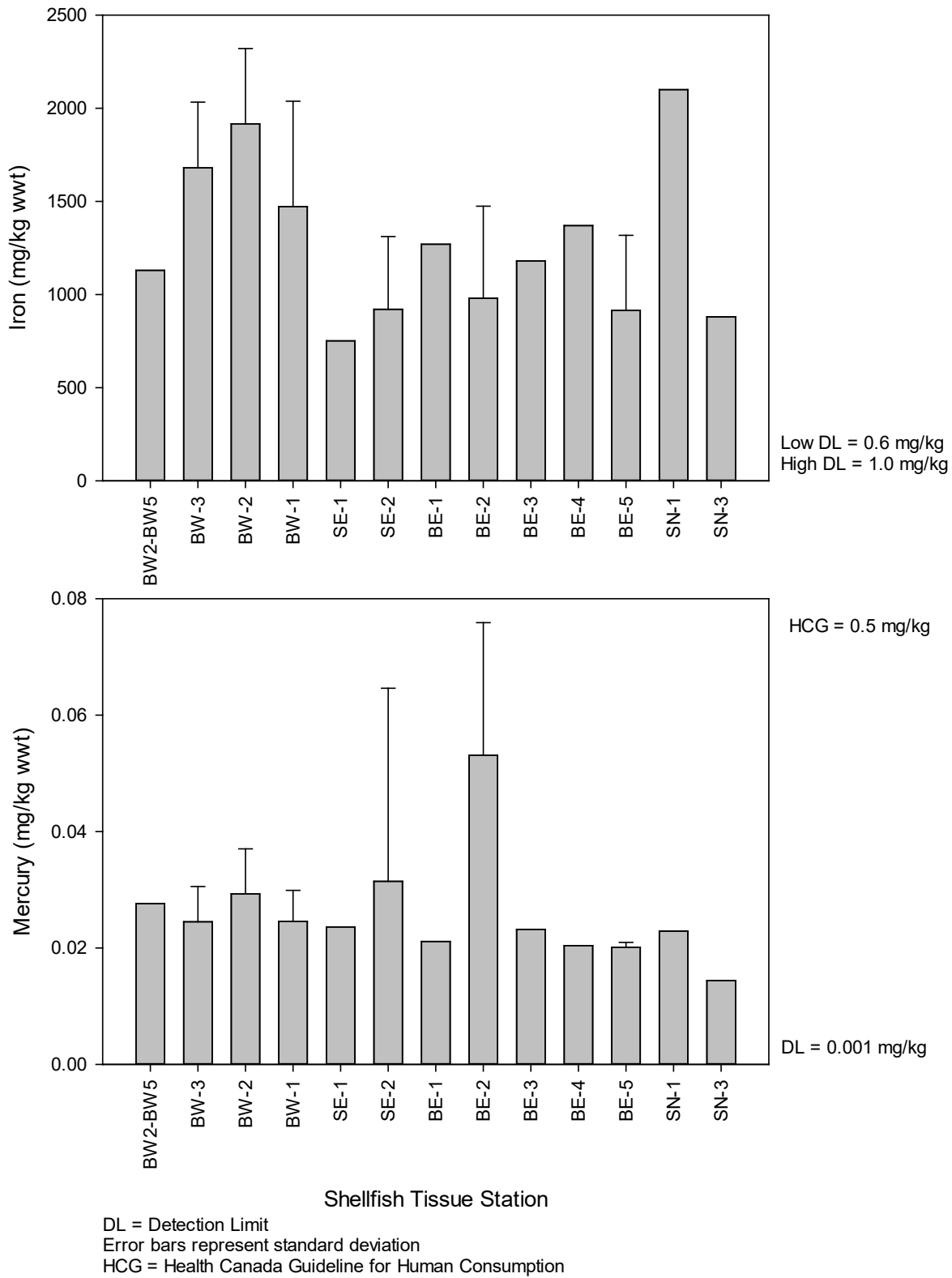


Figure 4-23: Mean Iron and Mercury concentrations in *Hiatella arctica* tissue in Milne Port, 2018.

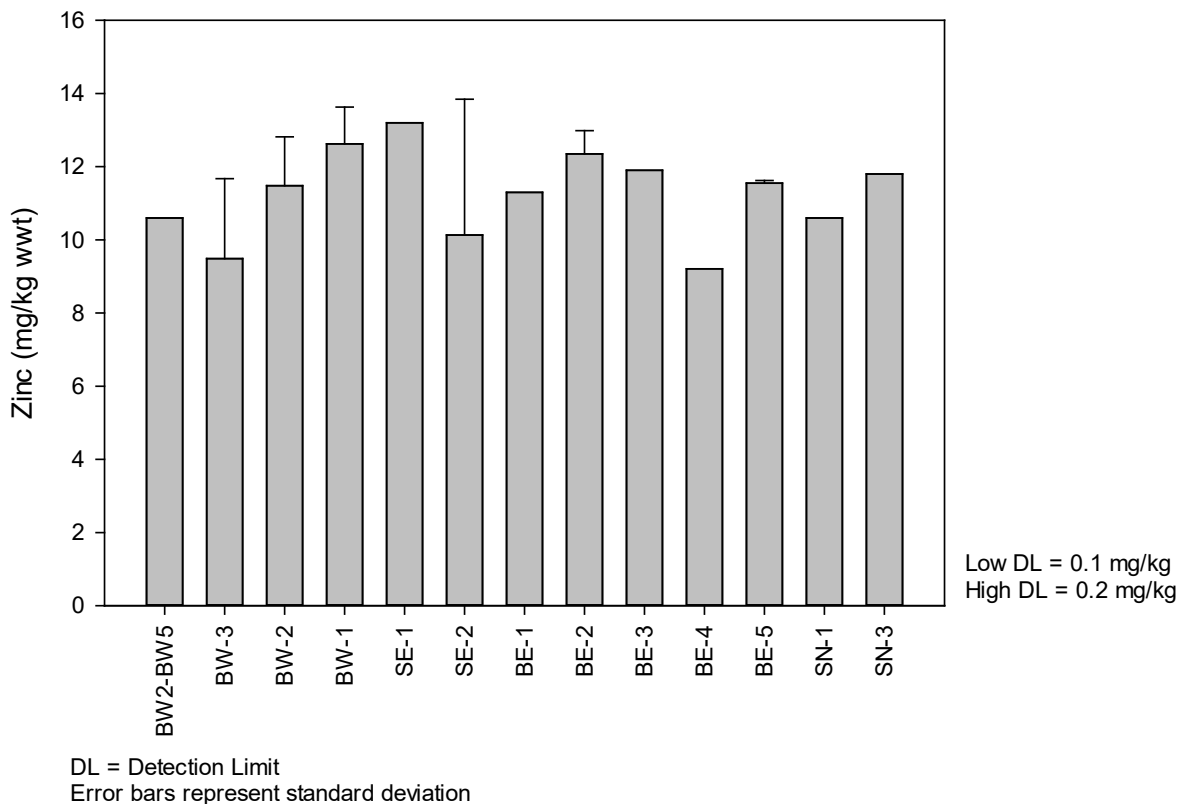


Figure 4-24: Mean Zinc concentration in *Hiattella arctica* tissue in Milne Port, 2018.

4.1.5 Fish Surveys

4.1.5.1 Catch Data

For the 2018 fish survey, overall effort for the four fishing methods was 1,712 hours and 31 minutes (Table 4-10 and Table 4-11). Angling effort, which included both trolling and jigging, ranged from 20 minutes to 1 hour and 25 minutes, with a mean of 45 minutes over 13 stations (Table 4-10). A total of 13 fish, representing three species were caught in angling surveys (Table 4-11). Shorthorn sculpin (*Myoxocephalus scorpius*) was the most abundant species caught during angling, followed by fourhorn sculpin (*M. quadricornis*) and Arctic sculpin (*M. scorpioides*). These three species were the same species caught in 2017 angling surveys and in previous monitoring surveys in the Milne Port area (SEM 2016a; SEM 2017a; Golder 2018). Mean relative abundance, as indicated by catch per unit effort (CPUE), was highest for shorthorn sculpin, the most abundant catch in angling surveys, with 0.69 fish/h (SD of 1.25 fish/h), followed by fourhorn sculpin with 0.54 fish/h (SD of 1.14 fish/h; Table 4-11).

Fukui traps were deployed at 11 stations with each deployment consisting of 5 traps per set, except for FT11, where 3 traps were set. Trap effort was calculated from the amount of time the traps were left to soak at each station. Effort ranged from 48 hours and 15 minutes to 191 hours and 30 minutes, with an average of 143 hours and 16 minutes (Table 4-10). A total of 4 fish were caught in Fukui trap surveys. As in the 2017 surveys (Golder 2018), fourhorn sculpin and sandlance (*Ammodytes spp.*) were caught during the Fukui trap survey. Additionally, a single Arctic sculpin was captured. This species was not captured in the 2017 Fukui trap surveys (Golder 2018).

Due to the high fishing effort and low catch, relative abundance in 2018, indicated by CPUE, was low for all species (Table 4-11) and was lower than in previous years. The highest mean CPUE was for fourhorn sculpin, with 0.0015 fish/h (SD of 0.0035 fish/h).

Gill net effort was calculated as the soak time at each of the 24 stations. At most stations, the gill nets were checked 1 to 3 times during the set time, and the fish capture results pooled for the station. Effort at each station ranged from 1 hour and 55 minutes to 7 hours and 45 minutes with an average soak duration of 4 hours and 20 minutes (Table 4-10). An exception was gill net set GN08, which was left deployed for 25 hours and 40 minutes due to strong winds that prevented retrieval of the net. The total duration of the gill net effort was 151 hours and 45 minutes. As in 2017 (Golder 2018), Arctic sculpin, Arctic char (*Salvelinus alpinus*), fourhorn sculpin, and shorthorn sculpin were captured in gill net surveys. Additionally, an Arctic cod (*Arctogadus glacialis*) and an unidentified sculpin were captured. Arctic cod has not been caught in previous gill net surveys in the Milne Port area (SEM 2016a; SEM 2017a; Golder 2018). Arctic char were the most abundant fish species caught in gill net surveys (n = 169), this species was not captured by any other survey method. Fourhorn sculpin was the next most abundant species caught in gillnet surveys (n = 137), followed by shorthorn sculpin (n = 67). The highest mean CPUE was for Arctic char with 1.57 fish/h (SD of 2.19 fish/h; Table 4-11).

Effort for seine net sampling was calculated from the time elapsed to drag the sample areas that ranged from 200 m² to 750 m². A total of ten fish were captured in seine net efforts: shorthorn sculpin, fourhorn sculpin, an unknown sculpin species, and an unidentified fish, tentatively identified as a cod. Shorthorn sculpin were the most abundant (n = 4), followed by fourhorn sculpin (n = 3). The highest mean CPUE was for shorthorn sculpin at 8 fish/h (SD of 9.80 fish/h), followed by fourhorn sculpin at 6 fish/h (SD of 10.04 fish/h).

Table 4-10: Summary Statistics of Fishing Efforts by Fishing Method, 2018

Method	Number of Stations	Effort Statistic (hour:minutes)				
		Min	Max	Mean	SD	Total
Angling	13	0:20	1:25	0:45	0:19	9:47
Fukui traps	11	48:15	191:30	143:16	46:31	1,576:04
Gill net ^a	24	1:55	7:45	4:21	2:05	151:45
Seine net	6	0:05	0:10	0:05	0:02	0:35
Total effort (hour:minutes)						1,712:31

^a Gill net effort GN08 was deployed for an extended period of time due to weather conditions and was excluded from calculation of mean deployment time

Table 4-11: Summary Statistics of Fishing Efforts, by Fishing Method and Fish Species

Species	N (Fish Counts)			CPUE	
	Range	Mean \pm SD	Total	Range (fish/h)	Mean \pm SD (fish/h)
Angling					
Arctic sculpin	0 - 1	0.08 \pm 0.28	1	0 - 2.00	0.15 \pm 0.55
Fourhorn sculpin	0 - 2	0.38 \pm 0.65	5	0 - 4.00	0.54 \pm 1.14
Shorthorn sculpin	0 - 4	0.54 \pm 1.13	7	0 - 4.00	0.69 \pm 1.25
All species	0 - 4	1.00 \pm 1.29	13	0 - 6.00	1.39 \pm 1.85
Fukui traps¹					
Arctic sculpin	0 - 1	0.09 \pm 0.30	1	0 - 0.005	0.0004 \pm 0.0016
Fourhorn sculpin	0 - 1	0.18 \pm 0.40	2	0 - 0.011	0.0015 \pm 0.0035
Northern sandlance	0 - 1	0.09 \pm 0.30	1	0 - 0.07	0.0006 \pm 0.0021
All species	0 - 2	0.36 \pm 0.67	4	0 - 0.011	0.0026 \pm 0.0045
Gill net					
Arctic sculpin	0 - 1	0.04 \pm 0.20	1	0 - 0.04	<0.01 \pm 0.01
Arctic char	0 - 23	7.04 \pm 7.44	169	0 - 10.43	1.57 \pm 2.19
Fourhorn sculpin	0 - 37	5.71 \pm 8.26	137	0 - 9.00	1.27 \pm 2.09
Shorthorn sculpin	0 - 16	2.79 \pm 3.72	67	0 - 3.00	0.53 \pm 0.73
Arctic cod	0 - 1	0.04 \pm 0.20	1	0 - 0.19	0.01 \pm 0.04
Unknown sculpin	0 - 1	0.04 \pm 0.20	1	0 - 0.04	<0.00 \pm 0.01
All species	0 - 48	15.67 \pm 13.37	376	0 - 14.09	3.38 \pm 3.35
Seine net					
Fourhorn sculpin	0 - 2	0.5 \pm 0.84	3	0 - 24.00	6.00 \pm 10.04
Shorthorn sculpin	0 - 2	0.67 \pm 0.82	4	0 - 24.00	8.00 \pm 9.80
Unknown species	0 - 1	0.17 \pm 0.41	1	0 - 12.00	2.00 \pm 4.90
Unknown sculpin	0 - 2	0.33 \pm 0.82	2	0 - 24.00	4.00 \pm 9.80
All species	0 - 5	1.67 \pm 1.97	10	0 - 60.00	20.00 \pm 23.60

¹Fukui traps: at each station, five traps were deployed except for FT11 where 3 traps were deployed.

Six Arctic fish species, in addition to one unidentified species and three unidentified sculpin, were captured during fish surveys in 2018. Arctic char, fourhorn sculpin and shorthorn sculpin were the most abundant fish species caught, comprising almost 98% of the total catch (Figure 4-25). Arctic char were the most abundant fish species captured, with a relative abundance of 42% of the total catch, followed by fourhorn sculpin (36% of catch) and shorthorn sculpin (19% of catch). Arctic sculpin, Arctic cod, and northern sandlance made up the remainder of identified species with relative abundances of 0.7%, 0.25%, and 0.25%, respectively. Gill netting was the most efficient capture method for fish, accounting for 93% of the total catch, including 100% of the total catch of Arctic char.

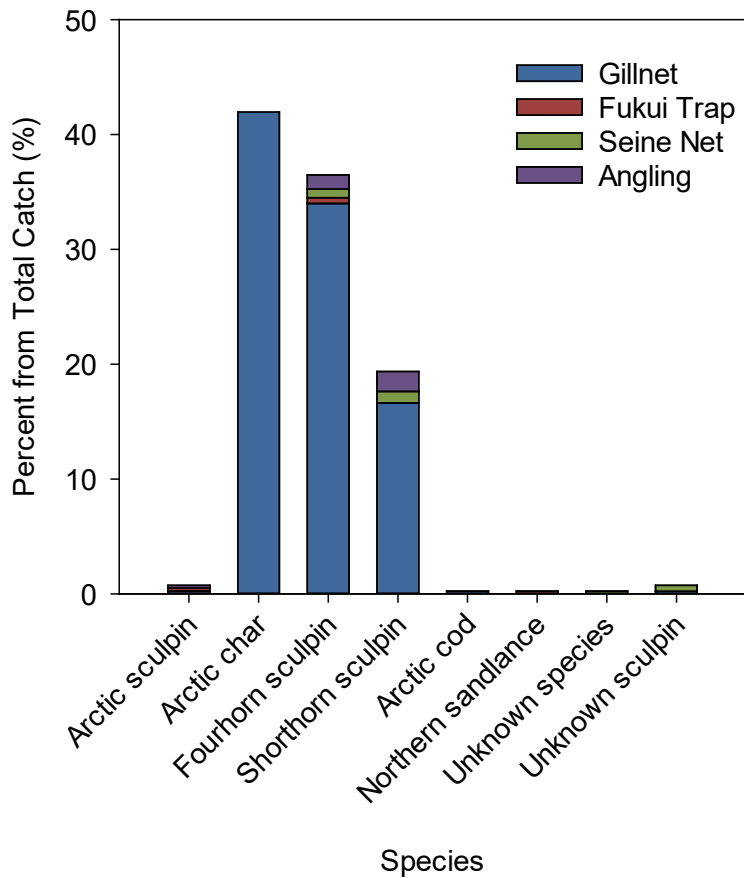


Figure 4-25: Relative Abundance of Fish Species by Capture Method in Milne Port Area, 2018

Total fish catch in 2018 was significantly greater compared to previous years (Table 4-12), with 403 fish captured, more than double the previous highest total captured in 2016 (197 fish). Throughout the 2010-2018 surveys, thirteen different fish species were identified. Arctic cod was collected for the first time in the Milne Port area in 2018, however, it had been previously observed in large schools in the Milne Port area (SEM 2017b) and in Arctic char stomach contents in 2016 (SEM 2017a).

Arctic char was the most frequently-captured fish in 2018 surveys, similar to 2015 and 2016, where Arctic char comprised 60% and 80% of the total catch, respectively (SEM 2016a; SEM 2017a). As in previous survey years, sculpin species were the most frequently-caught fish aside from Arctic char. Relative abundance among the sculpin species varied between survey years, however, shorthorn sculpin and fourhorn sculpin consistently were the two most abundant sculpin species.

Table 4-12: Total Fish Catch per Year in the Milne Port Area 2010 to 2018

Common Name	Taxonomic ID	2010	2013	2014	2015	2016	2017	2018
Arctic char	<i>Salvelinus alpinus</i>	11	6	3	67	157	23	169
Arctic sculpin	<i>Myoxocephalus scorpioides</i>	0	0	4	1	0	9	3
Shorthorn sculpin	<i>Myoxocephalus scorpius</i>	50	4	9	8	18	45	78
Fourhorn sculpin	<i>Myoxocephalus quadricornis</i>	7	3	39	13	18	40	147
Arctic staghorn sculpin	<i>Gymnocanthus tricuspis</i>	3	0	0	2	0	0	0
Longhorn sculpin	<i>Myoxocephalus octodecemspinus</i>	0	2	4	2	2	0	0
Arctic hookear sculpin	<i>Arctediellus atlanticus</i>	0	0	5	1	0	0	0
Unidentified sculpin	Cottidae	0	0	0	12	0	0	3
Greenland cod	<i>Gadus ogac</i>	4	0	1	0	0	0	0
Common lumpfish	<i>Cyclopterus lumpus</i>	0	0	1	0	0	0	0
Fishdoctor	<i>Gymnelis viridis</i>	0	1	0	3	0	0	0
Fourline snakeblenny	<i>Eumesogrammus praecisus</i>	0	0	1	2	2	0	0
Sandlance	<i>Ammodytes spp.</i>	0	0	0	0	0	1	1
Arctic cod	<i>Arctogadus glacialis</i>	0	0	0	0	0	0	1
Unidentified species	-	0	0	0	0	0	0	1
Total		75	16	67	111	197	118	403

4.1.5.2 Fish Length and Weight

Summary statistics for fish lengths and weights were calculated for each fish species caught at Milne Port (Table 4-13). Weights of approximately 5% (20 out of 403) of captured fish were not recorded due to equipment malfunction. Arctic char lengths ranged between 162 mm and 776 mm (mean length of 439 mm, SD of 122 mm). Arctic char weights ranged from 41 g to 5,000 g, with a mean weight of 1,125 g and SD of 942 g.

Mean lengths of the three identified sculpin species ranged from 191 mm (Arctic sculpin) to 221 mm (shorthorn sculpin). Mean weights of identified sculpin species ranged from 122 g (fourhorn sculpin) to 348 g (Arctic sculpin). Of the sculpin species identified, Arctic sculpin had the smallest mean length and, conversely, the highest mean weight across the three sculpin species. However, only three individual Arctic sculpins were identified, limiting the comparability to the other sculpin species.

In addition to Arctic char and the three identified sculpin species, a single Arctic cod with a length of 282 mm and a weight of 210 g and a single northern sandlance with a length of 158 mm and an unknown weight were captured. Three sculpin specimens were not identified to species. These fish ranged in length between 34 mm and 240 mm; only one fish was weighed.

Table 4-13: Length and Weight Statistics for Fish Species Captured in Milne Port Area, 2018

Species	N Fish	Variable	Statistic			
			Min	Max	Mean	SD
Arctic sculpin	3	Length (mm)	70	400	191	182
Arctic char	169		162	776	439	122
Fourhorn sculpin	147		60	312	220	47
Shorthorn sculpin	78		52	392	221	72
Arctic cod	1		282	282	282	-
Northern sandlance	1		158	158	158	-
Unknown sculpin	3		34	240	104	118
Arctic sculpin	2	Weight (g)	16	680	348	470
Arctic char	156		41	5,000	1,125	942
Fourhorn sculpin	146		2	350	122	72
Shorthorn sculpin	77		2	825	178	168
Arctic cod	1		180	180	180	-
Northern sandlance	0		-	-	-	-
Unknown sculpin	1		210	210	210	-

The length frequency distribution of Arctic char collected in 2018 (Figure 4-26) did not exhibit the strong bimodality reported for Arctic char collected in 2017 (Golder 2018). Fourhorn sculpin and Shorthorn sculpin were the only other fish species with sufficient sample sizes for an informative length frequency distribution (Figure 4-26). Fourhorn sculpin has a narrow unimodal distribution of lengths, with a peak at 220-280 mm. On the other hand, shorthorn sculpin had a wider distribution of length frequencies, with a wide peak between 260 mm and 230 mm, and a spike in counts at 80 mm and 180 mm.

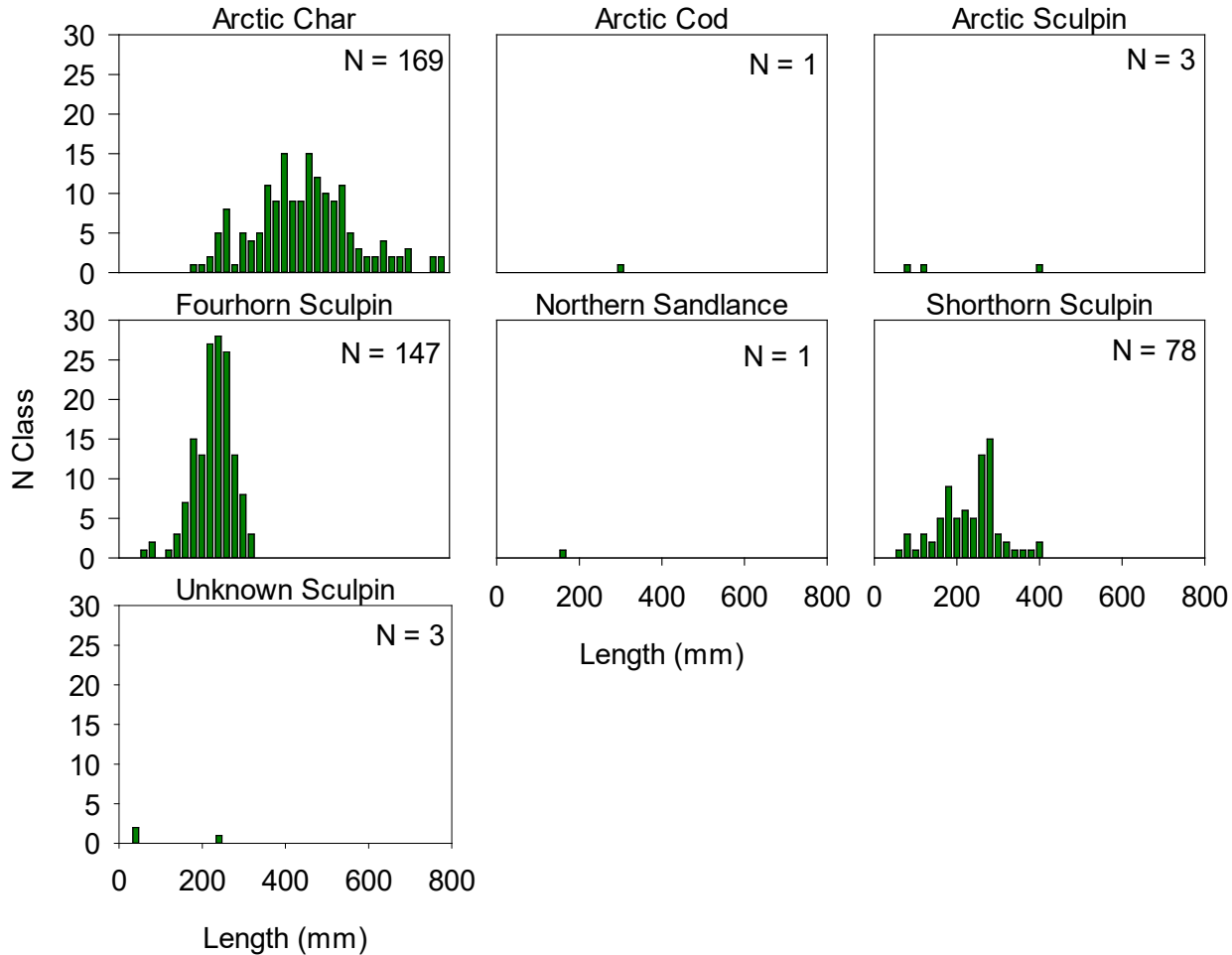


Figure 4-26: Length Frequency Distributions of Fish Species Captured in the Milne Port Area in 2018

Length-weight regression was performed on all species with three or more weight and length data points (i.e., Arctic char, fourhorn sculpin, and shorthorn sculpin). The 2017 regression curves were superimposed on the plots of 2018 data, to visualize changes in length-weight relationships between the two years (Figure 4-27). The regression for Arctic char had a high R^2 value, indicating a good fit for the Arctic char data. The 2017 and 2018 regressions were similar, despite a much smaller sample size in 2017 ($N = 23$) relative to 2018 ($N = 156$). For Arctic char, the length-weight relationship was not significantly different between 2017 and 2018 (p -value of the ANCOVA interaction = 0.959, year effect = 0.816).

The sample size for fourhorn sculpin was significantly larger in 2018 compared to 2017 ($N = 146$ and 28 , respectively). The 2017 regression predicted larger weights at lengths of 250 mm or higher compared to 2018. However, the 2017 relationship had a lower R^2 (0.658), and was affected by a single individual with a high body weight relative to length. The length-weight relationship interaction between 2017 and 2018 was significant ($p = 0.043$). However, when the multiplicative ANCOVA was simplified to an additive ANCOVA, following the EEM guidance (Section 8.3.3.2.5, Environment Canada 2012), no significant differences were found between 2017 and 2018 ($p = 0.168$).

The length-weight regressions for shorthorn sculpin differed between 2017 and 2018. Fish of lengths up to approximately 300 mm were estimated to be heavier in 2017 when compared to 2018. On the other hand, fish that were 300 mm or longer were estimated to have higher weights in 2018 than in 2017. However, the 2017 sample size was much smaller compared to 2018 (N = 20 and N = 77, respectively), with only two fish smaller than 200 mm in length. In addition, no shorthorn sculpin >350 mm in length were collected in 2017, whereas three were recorded in 2018. Therefore, it is likely that the visual differences in the length-weight regressions between 2017 and 2018 were due to sampling limitations. The length-weight relationship was not significantly different between 2017 and 2018 (p-value of the ANCOVA interaction = 0.476, year effect = 0.289).

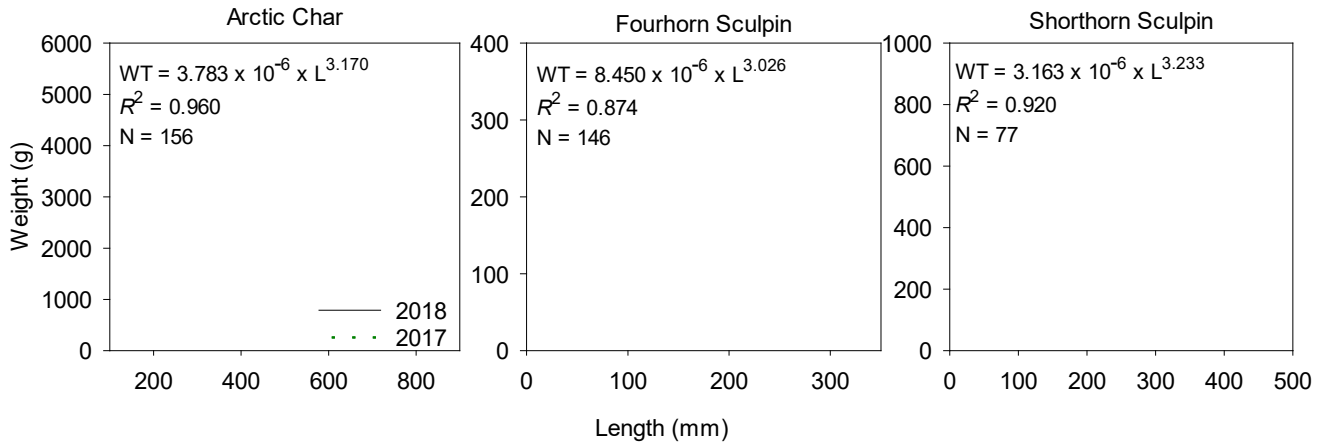


Figure 4-27: Weight-Length Plots and Regressions for Fish Species Captured in Milne Port Area in 2018 with regression line from 2017 catch (green hatched line)

Estimated ages of 26 Arctic char incidental mortalities were determined in lab and compared to the body length of each fish in order to determine the relationship between size and age in Arctic char at Milne Port. No relationship between fish body length and age was found for Arctic char incidental mortalities ($R^2 = 0.032$, Figure 4-28), indicating body size is not a good predictor for Arctic char age in the Milne Port area.

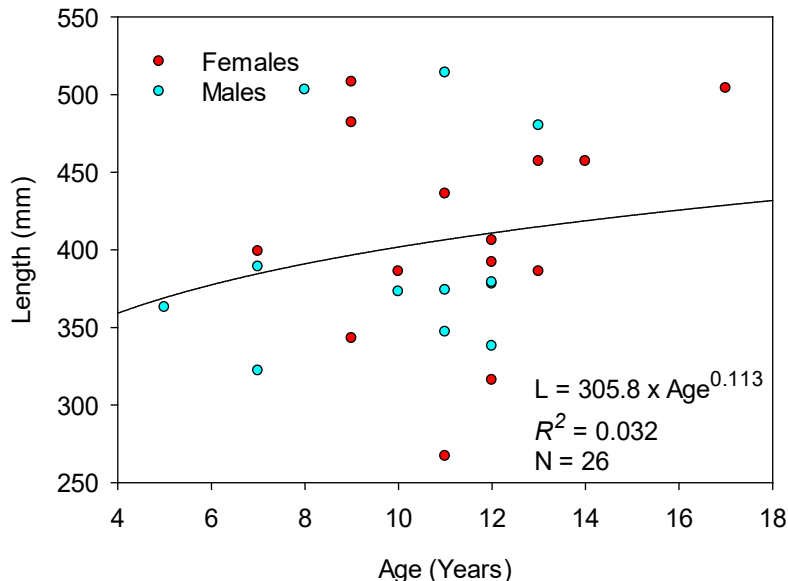


Figure 4-28: Age-Length Relationship of Arctic Char Incidental Mortalities from the Milne Port Area, 2018

4.1.5.3 Sex, Age and Stomach Content

Twenty-six incidental mortalities of Arctic char were retained for aging, body burden analysis, and stomach content analysis. Mortalities were composed of fish damaged during gill net retrievals at stations GN03, GN07, GN08, and GN12. The ages of incidental mortalities ranged from 5 to 17 years, with a mean of 11 years (SD of 2.59 years; Table 4-15). Mean fish ages were slightly higher in females than in males (11 years and 10 years, respectively). Females were also slightly longer and heavier on average (means of 410 mm and 901 g) compared to male Arctic char (means of 397 mm and 705 g). Detailed results of analysis of Arctic char incidental mortalities in 2018 are in ANNEXE G-5.

Table 4-14: Summary of Arctic Char Incidental Mortality Characteristics

	N	Min	Max	Mean	SD
Age					
All	26	5	17	11	2.59
Female	14	7	17	11	2.53
Male	12	5	13	10	2.54
Length					
All	26	267	514	404	66.83
Female	14	267	508	410	70.22
Male	12	322	514	397	64.97
Weight					
All	26	110	1480	810	416.21
Female	14	170	1470	901	393.63
Male	12	110	1480	705	433.68

In the analysis of stomach contents of incidental mortalities, approximately 30% of the total stomach contents, by weight, was indeterminate or unidentifiable material (Figure 4-29). Amphipod tissue and individuals were the most abundant of the identifiable stomach content, at 29% of the total weight and an abundance of 813 individuals. The order Mysida (Arthropoda) was the most abundant group, with 1,052 individuals counted; however, mysids represented only 9% of the total stomach content weight. The second most abundant group was the order Calanoida (Arthropoda), with 936 individuals (6% of the total stomach content weight). Other crustacean tissue that could not be identified comprised approximately 25% of the total weight. Since no intact individuals were found, general crustacean abundance was not determined.

A total of 7 individuals and tissue from the arthropod orders Decapoda, Diptera, and Isopoda were identified, but they comprised less than 0.2% of the total weight of stomach contents and were excluded from Figure 4-29. Overall, arthropods, mostly crustaceans, made up over 98% of the identifiable tissue in Arctic char stomachs, with the remaining identifiable tissue being composed of fish. Only three fish (Chordata, Vertebrata) were found in Arctic char stomach contents, yet they accounted for 1.4% of the total stomach content weight.

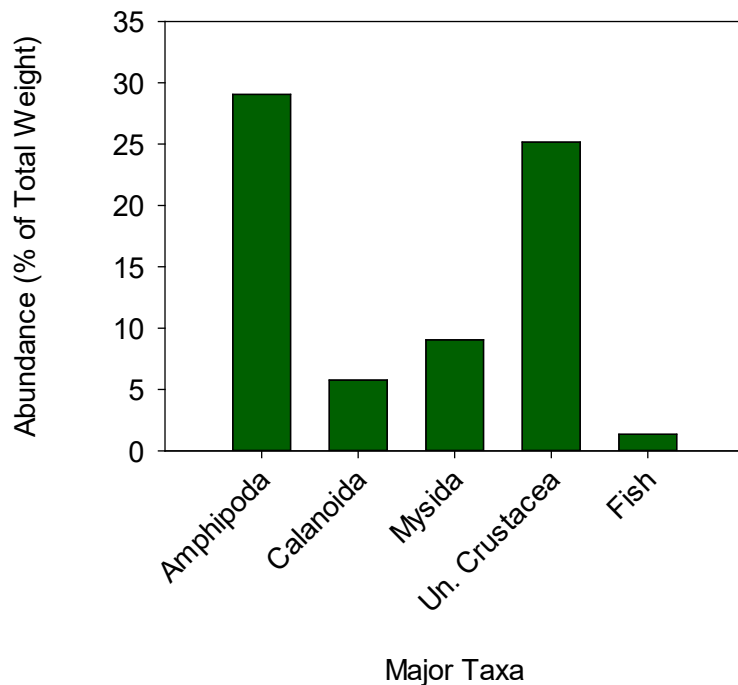


Figure 4-29: Abundance of Major Taxa in the Stomach Contents of Arctic Char Incidental Mortalities, 2018. Un. Crustacea = unidentified crustaceans.

Only one incidental mortality of Arctic char was collected from gillnets at station GN03. This individual had a half-full stomach with the dominant identifiable taxa being indeterminate species of Calanoida (Arthropoda; Table 4-15). Arctic char stomachs from station GN07 ranged from 25% to 75% full, with dominant identifiable taxa of Mysida (Arthropoda), followed by the orders Crustacea and Calanoida. Incidental mortalities from GN08 had stomachs that ranged from empty to 75% full. The dominant taxon in these fish was Crustacea (Arthropoda). Amphipoda (Arthropoda) was the most dominant taxon in all incidental mortalities from GN12. The stomachs of these fish ranged from 75% to 100% full. Amphipoda was the third most abundant taxon in fish stomachs (813 individuals) across all sample locations. Of these 813 individuals, 776 amphipods were found in GN12 fish stomachs. Amphipoda also represented the greatest proportion (29%) of identifiable tissue in stomachs across all sample locations (Figure 4-29). Amphipods from GN12 alone represented 28% of the total identifiable tissue across all stations in the stomachs of Arctic char incidental mortalities.

Table 4-15: Summary of Arctic Char Incidental Mortality Stomach Characteristics, 2018

Fish ID	Date Sampled	Stomach Weight (g)	Stomach Fullness (%)	Material Digested (%)	Dominant Taxa ^a in Stomach (by Weight)
GN3-1	30-Jul-18	13.1	50	75	Arthropoda (Indeterminate Calanoida)
GN7-1	02-Aug-18	9.6	75	75	Arthropoda (<i>Mysida Mysis sp.</i>)
GN7-2	02-Aug-18	14.4	50	75	Arthropoda (Indeterminate Mysida)
GN7-3	02-Aug-18	5.5	25	75	Arthropoda (Indeterminate Mysida)
GN7-4	02-Aug-18	26.0	50	75	Arthropoda (Indeterminate Crustacea)
GN7-5	02-Aug-18	15.8	50	75	Arthropoda (Indeterminate Mysida)
GN7-6	02-Aug-18	4.7	75	75	Chordata (Indeterminate Pisces)
GN7-7	02-Aug-18	9.9	25	50	Arthropoda (Indeterminate Calanoida)
GN7-8	02-Aug-18	37.5	50	75	Arthropoda (Calanoida spp.)
GN7-9	02-Aug-18	10.0	50	75	Arthropoda (Indeterminate Crustacea)
GN7-10	02-Aug-18	26.2	50	50	Arthropoda (Mysida spp.)
GN8-1	03-Aug-18	9.5	10	100	Unidentifiable tissue
GN8-2	03-Aug-18	22.3	25	100	Arthropoda (Indeterminate Calanoida)
GN8-3	03-Aug-18	22.8	25	75	Arthropoda (Indeterminate Mysida)
GN8-4	03-Aug-18	25.7	50	75	Arthropoda (Calanoida spp.)
GN8-5	03-Aug-18	16.9	50	75	Arthropoda (Calanoida spp.)
GN8-6	03-Aug-18	13.2	0	100	Empty stomach
GN8-7	03-Aug-18	19.6	50	75	Arthropoda (Indeterminate Crustacea)
GN8-8	03-Aug-18	12.8	50	75	Arthropoda (Indeterminate Crustacea)
GN8-9	03-Aug-18	8.6	75	100	Arthropoda (Indeterminate Crustacea)
GN8-10	03-Aug-18	24.8	50	75	Arthropoda (Indeterminate Crustacea)
GN8-11	03-Aug-18	12.2	50	50	Arthropoda (Indeterminate Crustacea)
GN8-12	03-Aug-18	10.9	75	75	Arthropoda (Indeterminate Crustacea)
GN12-1	09-Aug-18	18.0	100	75	Arthropoda (Amphipoda <i>Themisto sp.</i>)
GN12-2	09-Aug-18	25.3	100	75	Arthropoda (Amphipoda spp.)
GN12-3	09-Aug-18	31.4	75	75	Arthropoda (Amphipoda spp.)

^a Identified to the lowest possible taxon

4.1.5.4 Tissue Analysis

Tissue samples from the incidental Arctic char mortalities were analyzed to compare body burden of metals pre- (2010 and 2013) and during Project operation (2015 to present). Annual means and standard deviations of arsenic, cadmium, chromium, copper, iron, mercury, and zinc concentrations were calculated for 2010-2018 samples (Table 4-16). Other metals were analyzed in fish tissue but were consistently below detection limits in previous years. In 2017 and 2018, calcium, cobalt, magnesium, manganese, nickel, phosphorus, potassium, sodium, strontium, thallium, and tin were also above detection limits. However, in 2017 only 2 Arctic char mortalities were analyzed for metals, which limited comparison of mean concentrations for these metals between

the two years. Fish sampling was performed in 2014, but no tissue was collected for metals analysis, since there were no incidental mortalities.

Of the metals that exceeded detection limits in 2018 surveys, guidelines exist only for mercury. No samples in 2018, or previous years, exceeded the Health Canada guideline (0.5 mg/kg) for mercury in fish tissue for human consumption. Concentrations of metals in Arctic char tissue between sample years were generally consistent from 2010 to 2017. Detailed results of metal analysis for each Arctic char incidental mortality from the Milne Port area in 2018 are in ANNEXE G-5.

Table 4-16: Summary of Detected Metal Concentrations (mg/kg) in Arctic Char Incidental Mortality Tissue Samples in the Milne Port Area (2010 to 2018)

Metals	Health Canada Guidelines	2010 (n=11)		2013 (n=6)		2015 (n=5)		2016 (n=13)		2017 (n=2)		2018 (n=26)	
		Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
Arsenic	-	0.82	0.17	0.61	0.12	1.38	0.91	0.97	0.21	0.81	0.40	0.51	0.24
Cadmium	-	0.01	<0.01	<0.05	<0.01	<0.05	<0.01	<0.05	<0.01	0.01	<0.01	0.01	0.01
Chromium	-	0.59	0.90	<0.5	<0.01	<0.5	<0.01	<0.5	<0.01	<0.01	<0.01	0.02	0.01
Copper	-	0.85	0.27	1.06	0.26	0.55	0.20	1.63	1.18	0.56	0.12	0.48	0.13
Iron	-	9.90	5.03	<15	<0.01	<15	<0.01	8.38	3.19	6.00	0.14	4.20	1.07
Mercury	0.50	0.05	0.03	0.03	0.01	0.04	0.01	0.04	0.02	0.06	0.04	0.04	0.02
Zinc	-	6.20	0.80	9.20	1.96	6.92	1.71	7.18	1.27	5.84	0.54	5.45	1.40

Notes: No tissue samples were collected in 2014 since incidental fish mortalities did not occur during the surveys

4.2 AIS

4.2.1 Zooplankton

Taxonomic data of zooplankton collected from seven stations in Milne Port and four stations at Ragged Island are presented in ANNEXE H. Zooplankton taxa presence/absence in 2018 is presented along with presence/absence in 2014, 2015, 2016 and 2017 in Table 4-17. A list of newly observed taxa in Milne Port, defined as taxa identified during the 2018 survey but not during previous monitoring surveys in 2014 to 2017, is provided in Table 4-18 along with a brief description of the known geographic distribution of each taxon.

Of the 44 zooplankton taxa identified in samples collected during the 2018 AIS monitoring survey identified, three taxa were not observed during previous AIS monitoring or baseline surveys (Table 4-17).

Table 4-17: Zooplankton Taxa Presence and Absence in Milne Inlet during AIS Monitoring (2014-2018)

Taxa	2014	2015	2016	2017	2018
<i>Acarti hudsonica</i>			x		
<i>Acartia longiremis</i>	x	x	x	x	
<i>Aeginopsis laurentii</i> **				x	x
<i>Aglantha digitale</i>	x			x	x
<i>Ammodytes</i> sp.				x	x
Anthomedusae indet.		x			
<i>Pholis fasciata</i>				x	

Taxa	2014	2015	2016	2017	2018
Balanomorpha indet.**				X	
<i>Beroe gracilis</i>		X			
<i>Beroe cucumis</i>			X		
Bivalvia indet.	X	X	X	X	X
<i>Bosmina longicornis</i>		X	X		
Bosminidae indet.	X			X	
Bryozoa indet. **					X
Calanoida indet.	X	X	X	X	X
<i>Calanus finmarchicus</i>	X	X	X	X	X
<i>Calanus glacialis</i>	X	X	X	X	X
<i>Calanus hyperboreus</i>	X	X	X	X	X
<i>Catablema vesicarium**</i>				X	X
Centropages sp.		X			X
<i>Chydorus sphaericus</i>			X		
<i>Clione limacina</i>	X			X	X
Clytemnestra sp.	X		X	X	
Cnidaria indet.			X	X	X
<i>Corycaeus</i> sp.		X			
Cottidae indet.				X	
<i>Ctenocalanus vanus</i>				X	X
Daphnia sp.		X			
Echinoidea indet.	X	X	X	X	X
<i>Erythrops</i> sp.					X
<i>Eukrohnia hamata</i>	X				
<i>Euphysa</i> sp.		X			X
<i>Eurytemora herdmani</i>		X			
<i>Euterpina acutifrons</i>		X	X	X	
<i>Fritillaria</i> sp.		X	X		X
Gadidae indet.				X	X
Gymnosomata	X				
<i>Hydracarina</i> sp.		X			
<i>Hyperia medusarum</i>				X	
<i>Hyperoche medusarum</i>				X	
Isopoda indet.**				X	X
<i>Limacina helicina</i>		X		X	X
<i>Lucicutia</i> sp	X		X		
Lysianassoidea indet.					X

Taxa	2014	2015	2016	2017	2018
<i>Metridia</i> sp.		x		x	x
<i>Microcalanus</i> sp.				x	x
<i>Microsetella norvegica</i>	x	x	x	x	x
<i>Mysis litoralis</i>				x	
Nemertea indet.				x	
<i>Oikopleura</i> sp.		x		x	x
<i>Oithona atlantica</i>	x	x	x	x	x
<i>Oithona similis</i>	x	x	x	x	x
<i>Oncaea minuta</i>	x	x			
Oncaeidae indet.	x	x	x	x	
<i>Parasagitta elegans</i>	x			x	x
Polychaeta indet.	x	x	x	x	x
<i>Pseudocalanus</i> sp.	x	x	x	x	x
<i>Rathkea</i> sp.**				x	
Sabellariidae indet.				x	
<i>Sabinea septemcarinata</i> **				x	x
Sagittidae indet.	x	x	x		
<i>Sapphirina opalina</i>		x			
<i>Sapphirina</i> sp.			x	x	
<i>Scolecithricella</i> sp.				x	x
<i>Synchaeta</i> sp.			x	x	
<i>Themisto abyssorum</i> **				x	
<i>Themisto libellula</i>				x	x
<i>Themisto</i> sp.	x			x	x
<i>Triconia borealis</i>			x	x	

Notes: taxa identified to the lowest practical taxonomic level; presence/absence for previous years taken from SEM 2015, 2016, 2017a, Golder 2018. **=taxa not identified in 2014, 2015, and 2016 but identified during baseline studies in 2008 or 2010 (Baffinland 2012; SEM 2017a); indet.= indeterminate (taxa could not be identified beyond the taxonomic level listed); sp.=species. High taxonomic levels presented only for taxa not previously identified to a lower taxonomic level (e.g. Crustacea indet. omitted due to large numbers of crustacean taxa identified to species level, Cottidae indet. presented due to lack of sculpins identified to species level).

Zooplankton samples in 2018 contained only three taxa, which were not previously identified during previous AIS monitoring or baseline studies (Table 4-18). None of the new taxa were identified to species level, one was identified to genus level and the remaining two taxa represented the first recorded occurrence of a family or larger taxonomic level. New taxa identified in the samples included a genus of mysid shrimp (*Erythrops* sp.), amphipods of the superfamily Lysianassoidea, and unidentified bryozoans.

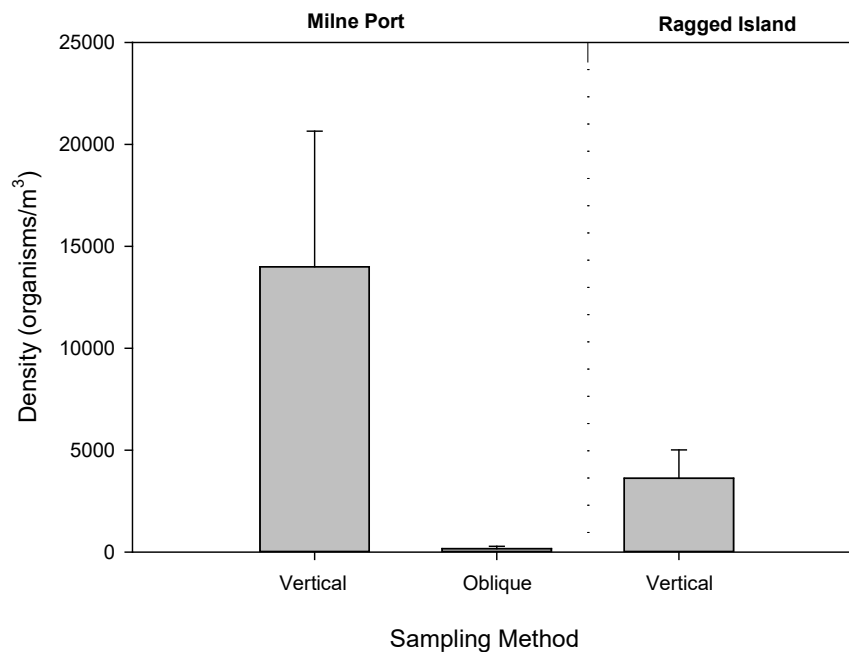
Each newly observed taxa was cross-checked against a global database of marine invasive species and none of the taxa were identified as a globally-recognized invasive species (Molnar et al. 2008) or an invasive species in Canada according to the National Risk Assessment for Introduction of Aquatic Nonindigenous Species to Canada by Ballast Water (Casas-Monroy et al. 2014). In addition to these databases, each new taxon was researched

independently in the literature for their known habitats and distributions for signs of taxa that may be considered non-native to the Arctic region. None of the newly observed zooplankton taxa in 2018 could be identified as non-native to the Arctic, despite not being previously identified in Milne Port (Table 4-18). None of the newly observed taxa could be identified to species level. Each taxon identified to genus level or higher contained at least one species with a known occurrence in the Arctic or a taxon with a global distribution (Lysianassoidea).

Table 4-18: Newly Observed Zooplankton Taxa Identified in Milne Port in 2018

Taxa	Common Name	Description
<i>Erythrops</i> sp.	Mysid shrimp	Genus of mysid shrimp, known occurrences of some species in the Arctic Ocean including <i>Erythrops abyssorum</i> and <i>Erythrops erythrophthalma</i> (Muller 1993; Tattersall and Tattersall 1951).
Bryozoa indet.	Unidentified bryozoan	Bryozoans are a phylum with representative taxa found worldwide, adult bryozoans have been observed on the armour stone around the ore dock.
Lysianassoidea indet.	Unidentified amphipod	A superfamily of amphipods; contains taxa with a global distribution.

A total of 745,124 organisms were estimated from samples collected at Milne Port and Ragged Island in 2018. Adjusted for the total volume of water sampled during each vertical haul and oblique tow, the mean density¹⁵ of organisms for each area and sampling method was $14,007 \pm 6,650$ organisms/m³ in vertical hauls at Milne Port, 178 ± 114 organisms/m³ in oblique tows at Milne Port, and $3,625 \pm 1,391$ organisms/m³ in vertical hauls at Ragged Island (Figure 4-30). Higher zooplankton density in vertical hauls compared to the oblique tows was consistent with previous sampling years and likely a result of differences in the depth strata targeted by each sampling method. In general, zooplankton density in 2018 was slightly higher than in previous AIS monitoring years while taxa richness and overall community composition was similar.



Notes: Error bars represent one standard deviation

Figure 4-30: Mean Density of Zooplankton Collected in Oblique Tows and Vertical Hauls, Milne Inlet, 2018

¹⁵ Calculated as the average density per sampling method \pm one standard deviation of the mean

A taxa accumulation curve was calculated for samples collected in 2018 to compare sampling effort with previous AIS monitoring surveys in Milne Port and to provide an estimate of the effort required to fully characterize the zooplankton community (Figure 4-31). The taxa accumulation curve for the 2018 AIS sampling effort reached an asymptote at approximately fourteen samples, after which no new taxa were identified in any additional samples up to a total of seventeen. The taxa accumulation curve for the 2018 AIS sampling effort is very similar to that observed for the 2017 AIS sampling effort (Golder 2018) suggesting that the sampling effort in 2018 captured a proportion of the overall zooplankton community that was sufficient to describe the general zooplankton community structure.

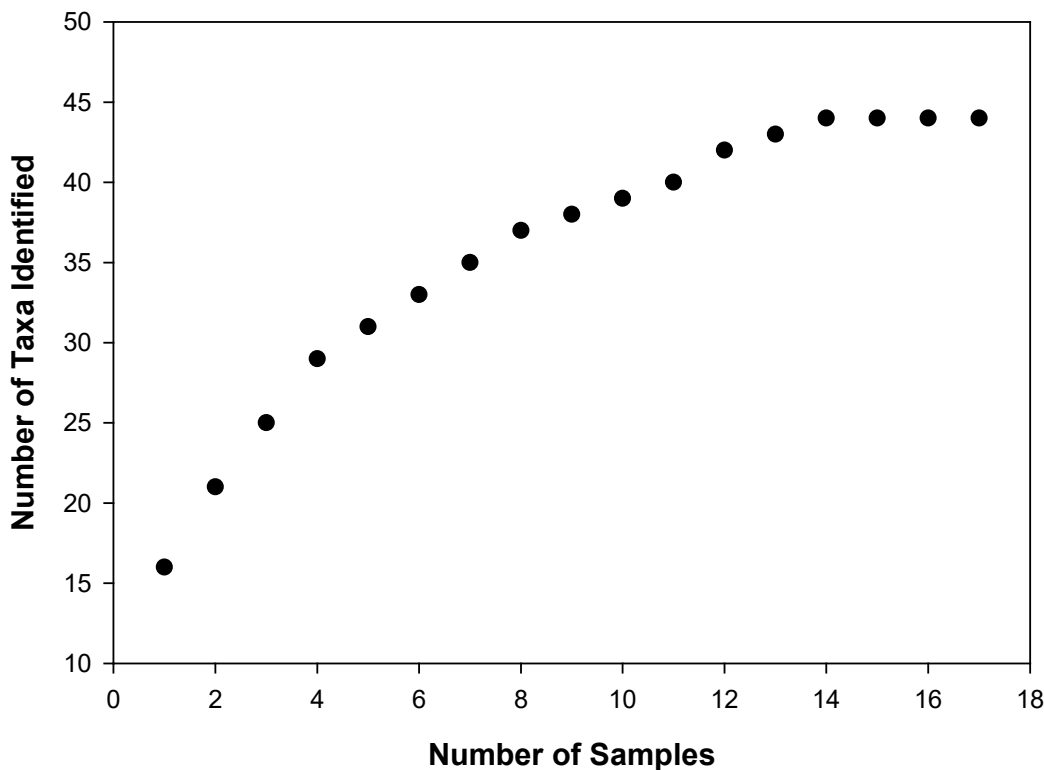


Figure 4-31: Taxa Accumulation Curve for Zooplankton, Milne Inlet, 2018

The non-parametric species estimator Chao 2¹⁶ was calculated for 2018 following the methods used in SEM 2017a and Golder 2018. For samples collected in 2018, the Chao 2 calculation provided an estimate of 52.3 taxa observed, which exceeded the actual observed number of taxa (44) by 19% (Table 4-19). The discrepancy between the observed and expected number of zooplankton taxa was larger than in 2017, but similar to the discrepancy observed during previous AIS monitoring years. The relatively low discrepancy between the observed and expected number of taxa suggests that the zooplankton sampling effort in 2018 was sufficient to characterize the overall zooplankton community.

¹⁶ Chao 2 calculation: $S_1 = S_{obs} + (Q_1^2 / 2Q_2)$

Table 4-19: Chao 2 Species Estimates for Zooplankton Samples Collected in Milne Inlet (2014-2018)

Year	S _{obs}	Q ₁	Q ₂	S ₁	% S ₁ exceeds S _{obs}
2014	34	7	6	38.1	12
2015	40	10	6	48.3	21
2016	37	8	5	43.4	17
2017	44	8	9	47.6	8
2018	44	10	6	52.3	19

Notes: Values for 2014 through 2017 taken from SEM 2017a and Golder 2018. S_{obs}= # of taxa observed; Q₁= # of species occurring in only one sample; Q₂= # of species occurring in two samples; S₁= # of taxa expected to be observed based on Chao 2 estimate

4.2.2 Benthic Infauna

Benthic invertebrate samples were collected from the eight stations in Milne Port and two stations at Ragged Island (Table 3-5) that were sampled in 2017 as a part of the long term AIS program and 15 stations sampled as a part of the MEEMP for the first time in 2018. Invertebrates in benthic samples were identified to the lowest possible taxonomic level (ANNEXE E) and the presence/absence of each taxa compared to taxonomic data from 2010, 2013, 2015, 2016 and 2017 (ANNEXE I). The taxa list was also updated to include any new accepted species names for any previously identified species.

A total of 62,803 organisms were counted in 2018 surveys in Milne Inlet and at Ragged Island. These were identified to represent 349 different taxa of benthic infauna, including 46 unique taxa that were not identified in previous surveys of Milne Port and Ragged Island (Table 4-20). Of the newly identified taxa, 42 were found only in the Milne Port area, two only at Ragged Island, and two newly observed taxa were found at both Milne Port and Ragged Island. Approximately 39% of the new taxa were identified to the species level, 52% were only able to be identified to the genus level. The remaining 9% of the new taxa represented the first recorded instances of a family or larger taxonomic level at Milne Port and Ragged Island.

Table 4-20: Newly Observed Benthic Invertebrate Infauna Taxa Identified at Milne Port and Ragged Island in 2018

Phylum	Class/Order	Family	Taxa
Annelida	Polychaeta	Cirratulidae	<i>Kirkegaardia</i> sp.
Annelida	Polychaeta	Echiuridae	<i>Parougia caeca</i>
Annelida	Polychaeta	Fabriciidae	<i>Manayunkia aesturiana</i> **
Annelida	Polychaeta	Hesionidae	<i>Gyptis</i> sp.*
Annelida	Polychaeta	Hesionidae	<i>Microphthalmus</i> sp.
Annelida	Polychaeta	Lumbrineridae	<i>Scoletoma</i> sp.
Annelida	Polychaeta	Maldanidae	<i>Nicomache</i> sp.
Annelida	Polychaeta	Maldanidae	<i>Praxillella gracilis</i>
Annelida	Polychaeta	Maldanidae	<i>Rhodine gracilior</i> **
Annelida	Polychaeta	Nephtyidae	<i>Aglaophamus</i> sp.
Annelida	Polychaeta	Nephtyidae	<i>Nephtys bucera</i>
Annelida	Polychaeta	Opheliidae	<i>Ophelina cylindricaudata</i>
Annelida	Polychaeta	Phyllodocidae	<i>Eulalia</i> sp.
Annelida	Polychaeta	Polynoidae	<i>Bylgides</i> sp.

Phylum	Class/Order	Family	Taxa
Annelida	Polychaeta	Polynoidae	<i>Melaenis loveni</i>
Annelida	Polychaeta	Protodrilidae	<i>Protodrilus</i> sp.
Annelida	Polychaeta	Sabellidae	<i>Bispira</i> sp.
Annelida	Polychaeta	Spionidae	<i>Dipolydora concharum</i>
Annelida	Polychaeta	Spionidae	<i>Dipolydora socialis</i>
Annelida	Polychaeta	Spionidae	<i>Laonice cirrata</i>
Annelida	Polychaeta	Spionidae	<i>Scolelepis</i> sp.
Annelida	Polychaeta	Syllidae	<i>Eusyllis</i> sp.
Annelida	Polychaeta	Syllidae	<i>Pionosyllis</i> sp.
Annelida	Polychaeta	Syllidae	<i>Syllides longocirratu</i>
Annelida	Polychaeta	Terebellidae	<i>Amaeana</i> sp.
Annelida	Polychaeta	Terebellidae	<i>Proclea graffii</i>
Arthropoda	Amphipoda	Amphilochidae	<i>Amphilochus</i> sp.
Arthropoda	Amphipoda	Munnopsidae	<i>Eurycope</i> sp.
Arthropoda	Amphipoda	Oedicerotidae	<i>Aceroides</i> sp.
Arthropoda	Amphipoda	Oedicerotidae	<i>Arrhis</i> sp.*
Arthropoda	Amphipoda	Uristidae	<i>Onisimus brevicaudatus</i>
Arthropoda	Coleoptera	Curculionidae	Curculionidae indet.
Bryozoa	Cheilostomatida	Calloporidae	Calloporidae indet.
Bryozoa	Cheilostomatida	Candidae	<i>Scrupocellaria</i> sp.
Bryozoa	Cheilostomatida	Myriaporidae	<i>Leieschara</i> sp.
Bryozoa	Ctenostomatida	Alcyonidiidae	<i>Alcyonidium</i> sp.
Bryozoa	Ctenostomatida	Triticellidae	<i>Triticella</i> sp.
Chordata	Ascidiacea		Aplousobranchia indet.
Echinodermata	Ophiuroidea	Ophiuridae	<i>Ophiocten affinis</i>
Mollusca	Bivalvia	Arcidae	<i>Bathyarca glacialis</i>
Mollusca	Bivalvia	Yoldiidae	<i>Yoldiella frigida</i>
Mollusca	Bivalvia	Yoldiidae	<i>Yoldiella intermedia</i>
Mollusca	Gastropoda	Buccinidae	<i>Buccinum hydrophanum</i>
Mollusca	Gastropoda	Columbellidae	Columbellidae indet.
Nemertea	Palaeonemertea	Carinomidae	<i>Carinoma</i> sp.
Nemertea	Palaeonemertea	Tubulanidae	<i>Tubulanus</i> sp.

Notes: taxa identified to the lowest practical taxonomic level; presence/absence for previous years taken from SEM 2017. * = taxa identified only at Ragged Island; ** = independent verification indicates possible alternative identification for a specimen; indet. = indeterminate (taxa could not be identified beyond the taxonomic level listed); sp. = species. High taxonomic levels presented only for taxa not previously identified to a lower taxonomic level.

Each newly observed taxa was cross-referenced against a global database of marine invasive species (Molnar et al. 2008), as well as a known invasive species list within the National Risk Assessment for Introduction of Aquatic Nonindigenous Species to Canada by Ballast Water (Casas-Monroy et al. 2014). Each new taxa was also independently researched in the existing literature for known habitats and distribution, to determine the potential for considering the taxa invasive or non-native to the Arctic region (EOL 2019, Fofonoff et al. 2019, NCCOS 2019, Palomares and Pauly 2018, Read and Fauchald 2019, Sirenko et al. 2019, Vieira et al. 2014, WoRMS 2019).

Most of the newly observed taxa in Milne Port and at Ragged Island in 2018 were known in Arctic habitats. A few taxa had unknown northern limits but included ranges as far north as the Gulf of St. Lawrence, Newfoundland, southern Greenland, and the Norwegian Sea, including Iceland and Norway. A more detailed description of status of the newly identified species and their known ranges is provided in Appendix I-2.

One of the 46 new benthic infaunal species identified in 2018 was a sabellid worm found in the deep-water sediment samples collected at Milne Port. This was initially identified by the taxonomic laboratory as *Pseudofabricia* sp. Currently, the only species described for this genus is *P. aberrans*, which is considered endemic to the Mediterranean Sea (Giangrande and Cantone 1990; Cepeda and Lattig 2016; WoRMS 2019). *P. aberrans* is not listed in the global invasive species database (Molnar et al. 2008), or as a known invasive species list within the National Risk Assessment for Introduction of Aquatic Nonindigenous Species to Canada by Ballast Water (Casas-Monroy et al. 2014). Samples were sent for independent verification by the University of Laval's Benthic Ecology Laboratory, which concluded that the species may have been *Manayunkia aesturiana*. This species has a documented range in the North Atlantic (including Arctic waters) and specimens have been collected near Baffin Island (Goldsmith 2016).

One of the 46 new benthic infaunal species identified in 2018, a sabellid worm collected in deep-water samples at Milne Port, was tentatively identified as *Pseudofabricia* sp. nr. *aberrans*. Previously, *P. aberrans* had only been collected from the Mediterranean Sea and this species is presumed to be endemic to that region (Giangrande and Cantone 1990; Cepeda and Lattig 2016; WoRMS 2019). *P. aberrans* is not listed in the global invasive species database (Molnar et al. 2008), or as a known invasive species list within the National Risk Assessment for Introduction of Aquatic Nonindigenous Species to Canada by Ballast Water (Casas-Monroy et al. 2014). Specimens of the genus *Pseudofabricia*, not identified to the species level, have been identified in the Black Sea and along the United Kingdom coast (WoRMS 2019). A limited description exists for *P. aberrans* and polychaete surveys in the Canadian Arctic are not exhaustive, and it is possible these specimens are a cryptic species related to *P. aberrans*, or that the range on record is incomplete. The samples were sent for independent verification by the University of Laval's Benthic Ecology Laboratory, which concluded that the species could be *Manayunkia aesturiana* which has a documented range in the North Atlantic (including Arctic waters) with specimens previously collected near Baffin Island (Goldsmith 2016).

In 2018, an estimated 40 *M. aesturiana* specimens¹⁷ were found in eight replicate samples from stations SN-2, SN-3 and SN-4, all of which were surveyed for the first time in 2018.

A maldanid polychaete identified to the genus *Rhodine* was found in one benthic infaunal sample from Milne Port in 2018. Initial identification suggested the specimens may have been *R. loveni*, an Arctic species that had previously been observed in Milne Port in 2017 surveys (WoRMS 2019). Independent verification of the taxonomic identifications indicate that an alternative identification for the *R. loveni* specimen may have been *R. gracillor*, which also has an Arctic distribution including Baffin Island, although it has not been previously identified at Milne Port (WoRMS 2019).

¹⁷ Thirty-one adult and four intermediate individuals were counted in whole and 3/4th, 2/3rd, and 5/6th subsamples and extrapolated to an estimate of 40 across all replicates.

A taxa accumulation curve (Figure 4-32) was calculated for samples collected in Milne Inlet and Ragged Island to compare sampling effort with previous AIS monitoring surveys and to provide an estimate of the effort required to fully characterize the benthic infauna community. Three incidental taxa were removed from this analysis. The incidental taxa, representing two dipteran and one coleopteran species are occasionally found in brackish water conditions, but were assumed to be incidental due to the depths at which the samples were collected. The taxa accumulation curve for the 2018 AIS sampling effort reached an asymptote at 58 samples, after which no new taxa were identified in any additional samples, up to a total of 71 samples. AIS sampling in 2018 was sufficient to fully characterize the benthic infauna community. The asymptote was reached at 351 taxa for 2018, which is higher than the previous sampling years (approximately 234 taxa in 2017, 210 taxa in 2016, 170 taxa in 2015, 180 taxa in 2013, SEM 2017a, Golder 2018). The increased number of taxa in 2017 was attributed to greater detection probability of small and rare taxa due to the sorting methods applied at Biologica (Golder 2018). These sorting methods likely contributed as well to the increase in number of new taxa observed in 2018.

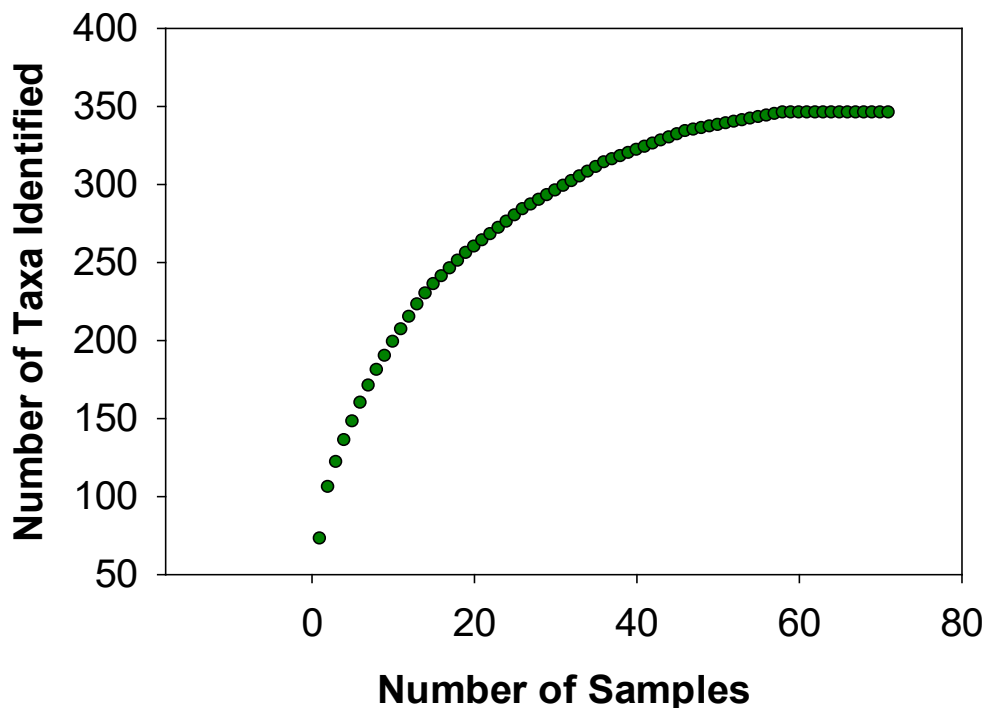


Figure 4-32: Taxa Accumulation Curve for Benthic Infauna Collected at Milne Inlet and Ragged Island, 2018

The non-parametric species estimator Chao 2 was calculated for 2018 following the methods used in SEM 2017a (Table 4-21). Three incidental taxa were removed from this analysis. The incidental taxa, representing two dipteran and one coleopteran species are occasionally found in brackish water conditions, but were assumed to be incidental due to the depths at which the samples were collected. For samples collected in 2018, the Chao 2 calculation provided an estimate of 439.7 taxa expected, which exceeded the observed number of taxa (346) by 27%. The discrepancy between the observed and the expected number of benthic infauna taxa in 2018 is within the range determined in previous AIS monitoring years.

Table 4-21: Chao 2 Species Estimates for Benthic Infauna Samples Collected in Milne Inlet (2013, 2015 to 2018)

Year	S_{obs}	Q_1	Q_2	S_2	% S_2 exceeds S_{obs}
2013	188	70	27	278.7	48
2015	181	56	25	246.3	36
2016	218	59	38	263.8	21
2017	235	92	47	324.0	38
2018	346	81	35	439.7	27

Notes: Values for 2013, 2015 to 2017 are taken from Golder 2018. S_{obs} = # of taxa observed; Q_1 = # of taxa occurring in only one sample; Q_2 = # of taxa occurring in two samples; S_2 = # of taxa expected to be observed based on Chao 2 estimates

4.2.3 Macroflora and Benthic Epifauna

A total of six distinct macroflora taxa were observed during AIS underwater video surveys in Milne Port in 2018 (ANNEXE J). One of the six observed taxa had not been previously recorded during AIS surveys along the established transects in 2014 through 2017. The new taxa were identified as encrusting coralline algae (Family Corallinophycidae) and was observed in areas with coarse substrate consisting of cobbles and boulders. Encrusting coralline algae, however, was observed in underwater video footage along one of the MEEMP transects, the East Transect, in 2017 (Golder 2018).

The twenty-five distinct epifauna taxa recorded from AIS underwater video surveys and Fukui trap samples in Milne Port in 2018 included epifauna, fish and plankton (ANNEXE J). Three of the twenty-five taxa had not been previously recorded during AIS underwater video surveys in 2014 through 2017. The three new taxa in 2018 included an ice-cream coneworm of the family Pectinariidae, a ribbon worm (Nemertea indet.) and a prickleback fish of the family Stichaeidae. Nemertean and Pectinariidae worms have been identified in collected benthic infauna samples in previous years (ANNEXE E). The prickleback fish is further discussed in Section 4.2.4.

4.2.4 Fish and Mobile Epifauna

Fish and mobile epifauna taxa observed during the 2018 studies are listed in ANNEXE J. One fish species, Arctic cod, was caught in gill nets for the first time in 2018 (Section 4.1.5.1); and a fish of family Pricklebacks (Stichaeidae) was observed for the first time in the video footage from two of the AIS transects. Arctic cod, however, was previously observed in the Milne Port area during underwater video surveys of the Fish Offset Habitat assessment in 2016 (SEM 2017b), therefore was not considered a new species in Milne Inlet. Known range of pricklebacks includes North Atlantic regions and a few species of the family were recorded in the Arctic (Nelson 1994 referenced in Fishbase; Lamb and Edgell 2010), therefore the observed fish is most likely native to the region having previously escaped fishing gear and video observations due its body size and form (small and elongated), and demersal solitary behaviour.

4.2.5 Encrusting Epifauna

A total of 1,733 encrusting epifauna from eight distinct taxa were identified from samples collected from settlement baskets and settlement plates recovered from the Milne Ore Dock in 2018 (Table 4-22; ANNEXE K). The majority of encrusting epifauna collected were unidentified barnacles of the suborder Balanomorpha, which included a total of 1,674 juveniles. The next most abundant taxon was juvenile wrinkled rock-borer (*Hiatella arctica*) of which a total of 29 juveniles were observed. Wrinkled rock-borer was a commonly observed bivalve species during subtidal video transects conducted as part of the MEEMP program in previous monitoring years. Other epifauna identified included adults from four colonial bryozoan species (*Alcyonidium gelatinosum*, *Alcyonidium disciforme*, *Disporella hispida*, *Infundibulipora prolifera*), two juvenile clams (*Mya* sp.), and two polychaetes (*Circeis* sp.).

Each epifauna taxa identified to species was cross-checked against a global database of marine invasive species and none of the taxa were identified as a globally-recognized invasive species (Molnar et al. 2008) or an invasive species in Canada according to the National Risk Assessment for Introduction of Aquatic Nonindigenous Species to Canada By Ballast Water (Casas-Monroy et al. 2014).

Table 4-22: Epifauna Taxa Identified From Settlement Baskets and Plates in Milne Port, 2018

Taxa	Total Abundance			Description
	A	I	J	
<i>Alcyonidium gelatinosum</i>	1	–	–	Colonial bryozoan species; known to be distributed within the North Atlantic and Arctic (WoRMS 2018)
<i>Alcyonidium disciforme</i>	1	–	–	Colonial bryozoan species; known to be distributed throughout the Southern Atlantic, Northern Atlantic and Arctic (Bock and Gordon 2013)
Balanomorpha	–	–	1,674	Unidentified barnacle; global distribution
<i>Disporella</i> sp.	16	–	–	Bryozoan with global distribution; known to be distributed within the Arctic, including Baffin Island (WoRMS 2018).
<i>Disporella hispida</i>	7	–	–	Colonial, suspension-feeding bryozoan; known distribution ranges from Northeast Atlantic and Mediterranean up to Svalbard in the Arctic
<i>Hiatella arctica</i>	–	–	29	Common name: wrinkled rock-borer; species of saltwater clam native to the Arctic; adult specimens observed in Milne Port during previous MEEMP surveys (Golder 2017)
<i>Infundibulipora prolifera</i>	1	–	–	Colonial bryozoan species; known to be distributed within the Arctic (Bock and Gordon 2013)
<i>Mya</i> sp.	–	–	2	Genus of saltwater clams; wide geographic distribution including the Arctic and Atlantic
<i>Circeis</i> sp.	1	1	–	Polychaete worm known to be distributed within the Arctic, including Baffin Island (WoRMS 2018).

A= adult; I= intermediate (has adult features but not of typical reproductive size); J= juvenile

4.2.6 Ship Hull Monitoring

A total of 32 ROV transects were conducted alongside three ore carriers docked in Milne Port between 3 to 5 August 2018. A total of 302 minutes of video footage was collected of the ship hulls, which was analyzed to assess the presence or absence of aquatic invasive species. Surveys of the Arkadia and Golden Ice ore carriers consisted of transects along each of the four corners of the ship hull (i.e. starboard stern, starboard bow, port bow, port stern). No signs of biofouling were identified from video collected along any of the transects of the Golden Ice ore carrier in 2018. However, transects conducted along the Arkadia and Golden Saguenay detected a small amount of potential biofouling at the stern of the ship near the propeller on both ore carriers. The biofouling observed at the stern of the Arkadia was identified as encrusted barnacles (*Balanomorpha* indet.) (Figure 4-33). The observed growth on the stern area of the Golden Saguenay carrier could not be positively identified. The biofouling was observed at approximately 8.6 and 7.3 m depth respectively, which was too deep for sample collection using the planned hull scraping methods.

Due to the limits of identification using solely the video footage, with no sample collection possible given the location and depth of the observed biofouling, identification to species or genus level was not possible. Future ship hull monitoring surveys should aim to collect video footage using high definition cameras which were not available for the 2018 AIS survey due to technical constraints of the ROV available for the program.



Figure 4-33: Arkadia ship hull with encrusting barnacles from ROV footage.

Table 4-23: Ship hull biofouling monitoring effort in 2018

Date	Carrier	Location of Survey	Number of Transects	Transect Depths (m)	Survey effort (mm:ss)	Evidence of Biofouling
3 August 2018	Arkadia	Starboard stern	3	1, 3, 5	27:25	No signs of biofouling
		Starboard bow	3	1, 4, 7	26:51	
		Port bow	4	1, 3, 7, 10	54:51	
		Port stern	4	1, 3, 6, 9	44:31	
		Stern and propeller	1	8	10:02	Barnacles observed near propeller
4 August 2018	Golden Ice	Starboard stern	3	2, 5, 9	27:27	No signs of biofouling
		Port stern	3	1, 4, 8	27:21	
		Port bow	4	2, 4, 7	36:31	
		Starboard bow	2	2, 5	12:18	
5 August 2018	Golden Saguenay	Starboard stern	3	1, 4, 7	24:36	Unidentified potential growth near propeller
		Port stern [†]	2	2, 5	11:20	

[†]Monitoring effort of the Golden Saguenay hull was reduced due to inclement weather (i.e., high wind and waves).

5.0 DISCUSSION

5.1 MEEMP

5.1.1 Water Quality

Vertical physical profiles of the water column (Sections 3.1.1.1 and 4.1.1.1) showed that physical properties of the water column in Milne Inlet in summer were influenced by freshwater input, particularly at the head of the inlet. Strong vertical stratification was persistent throughout the entire inlet, however, a horizontal gradient in salinity and temperature was also observed in the upper water column extending from the head to the mouth of Milne Inlet. Surface water was shown to increase in temperature and decrease in salinity in a southward gradient, indicating stronger freshwater runoff influence at the head of the inlet at Milne Port. Below the pycnocline, water was uniformly cold and saline throughout the inlet. Below 15 to 25 m depth, temperature was less than 0°C and salinity was above 30 PSU, comparable to open ocean conditions, at both the head and mouth of the inlet.

Both low chlorophyll *a* and dissolved oxygen concentrations suggest low phytoplankton production during the time of the surveys. Low primary production (as indicated by chlorophyll *a*) in Milne Inlet was reported during the baseline studies in 2010 (Baffinland 2012). Water in Milne Inlet was clear with turbidity consistently below 0.1 NTU throughout most of the water column and higher turbidity (0.5 to 8 NTU) at the surface, which was most likely associated with surface runoff from land.

Collection of discrete water samples was added to the MEEMP in 2015 to monitor for potential effects on water quality from the Milne Port site drainage. Since 2015, samples have been collected near the site drainage discharge location and at three other nearby locations over five separate sampling events, mostly in August. Due to the shallow water depths at the sampling locations, only water samples near the surface were collected. All water quality parameters measured in 2018 were within ranges typical of background conditions previously observed or below the detection limits of previous studies. All analyzed water quality constituents, including nitrates, arsenic, cadmium, chromium, mercury, silver and naphthalene in 2018 were below CCME WQG. PAHs were below the detection limit for all samples during all sampling events in 2018, 2017, 2016, and 2015. Naphthalene was not tested for in 2016 and 2015.

Fecal coliform bacteria measurements were added to the testing during one sampling event in 2018. Fecal coliform bacteria levels measured during the 2018 surveys were below the detection limit. There are no CCME WQG for fecal coliform in marine environments.

5.1.2 Sediment Quality

Percent fines and iron concentrations in sediments were used as indicators for potential Project-related environmental effects. In general, fines content and iron concentrations showed high in-station, between-station and between-transect variability.

Fines content remained stable between the five years of sampling on the West and East transects. On the Coastal Transect, there was an estimated increase in percent fines at the 1,000-m and 1,500-m distances between 2014 and 2016, although the 2018 estimates showed no change from 2014 indicating no consistent trend between years. On the North Transect, a significant increase in percent fines was estimated at transect origin between 2014 and 2015, followed by a small decline in 2016 and no further changes throughout 2017-2018. Overall, there were no significant changes in percent fines between 2014 and 2018 on any of the four transects.

Iron concentrations showed interannual changes at some locations on the West and East transects during the five study years, while no significant changes in iron concentrations were observed on the Coastal or North transects. Between 2014 and 2018, significant increases in iron concentrations, based on observed fines content, were observed at 500 m and 1,500 m from the ore dock on the West Transect and at 500 m and 1,000 m on the East Transect. When iron concentrations were corrected to minimum or maximum transect-specific fines content, significant increases between the baseline (2014) and 2018 were estimated only at 50 and 1,000 m from the ore dock on the East Transect (no corrected estimates were done for 0 m). Gradual annual increases were also estimated at 500 m and 1000 m along the West Transect, and at 500 m along the East Transect between 2015 and 2018, but these changes didn't result in significant increases from the baseline year of 2014. No significant changes in the same direction were observed in two consecutive years over the 2014-2018 study period.

Observed exceedances of sediment quality thresholds for arsenic and nickel in sediments (CCME and BC SQGs and NOAA benchmarks) are not considered to be Project-related. Arsenic and nickel are not associated with ore processing at Mary River (Baffinland 2012) and were recorded in similar high concentrations during baseline surveys (SEM 2015). Also, exceedances for nickel were observed only at stations of the North and Coastal transects located more than 2,000 m from the ore dock. Therefore, high concentrations of arsenic and nickel are likely naturally occurring in these areas.

Volatile organic compounds, extractable petroleum hydrocarbons, and PAHs were, with few exceptions, below detection limits. PAHs were detected in samples SN-3-1, SE-2-1, and SE-5-1. Concentrations of volatile organic compound dichloromethane were detected in samples BE-2-1, BE-5-1, and SC-5-1.

Concentrations of PAHs acenaphthylene (0.006 mg/kg) and dibenz(a,h)anthracene (0.0069 mg/kg) in SN-3-1 exceeded CCME and BC ISQGs of 0.00587 and 0.00622 mg/kg by 2 and 11% respectively. No other organic compound exceeded sediment quality guidelines and benchmarks during the 2018 sediment program.

It is recommended that the sediment sampling program conducted annually since 2014 continue in 2019 to further evaluate changes in sediment chemistry and composition. If the future studies show that changes persist and form a consistent pattern, an investigation will be conducted whether these changes are caused by Project-related effects or natural variability of the marine environment as recommended by Environment Canada (2012).

5.1.3 Epibenthic Communities

Underwater video surveys using belt transects were used for monitoring effects on epibenthic communities (macroflora and epifauna) for the first time in 2018. The observed substrates and biological communities, in general, were consistent with those observed previously during the four MEEMP underwater transect surveys. The total abundance and taxonomic richness in belt transects was lower than in the previously surveyed transects, which was expected given the considerably smaller study areas. However, it is anticipated that surveying within permanently established belt transects within clearly demarcated boundaries will provide better repeatability and count accuracy. Consecutive surveys conducted annually will allow for monitoring of potential changes in epibenthic communities related to Project activities.

5.1.4 Benthic Infauna

Benthic infauna sampling was used to monitor for potential Project-related effects within the MEEMP for the first time in 2018. The collected data will be used to assess potential effects from the Project operations during future studies. Benthic infauna sampling sites in 2018 were sampled in the general area of 2017 AIS program benthic infauna sample sites at Milne Port (Golder 2018). Mean densities in MEEMP samples from 2018 were largely within the range of densities from 2017, although some 2018 samples from the western and northern transect were lower. Taxa richness and diversity were more variable in 2017 samples. However, taxa richness and diversity values in all 2018 samples were within the 2017 range (Golder 2018). In 2017 AIS and 2018 MEEMP samples, polychaetes were the most abundant taxa at all sample sites, followed by crustaceans and bivalves. Similar relative abundances were also noted in baseline studies from 2010 and 2013 (SEM 2015, Golder 2018).

Tissue samples from opportunistically collected clams, *Hiatella arctica*, were analyzed to determine body burden of metals as a supplement to fish tissue analysis. Concentrations of most metals in *H. arctica* tissues were higher compared to levels in Arctic char tissue sample, aside from mercury which was lower in *H. arctica*. Health Canada has no guidance for metals in shellfish tissue aside from mercury (0.5 mg/kg). All *H. arctica* tissue samples were below guidance thresholds. Concentrations of metals varied between sampling stations. However, due to the opportunistic sampling, replication was low (N = 1 at seven of thirteen stations) and a comparison of body burden of metals in *H. arctica* between stations could not be made.

5.1.5 Fish

Fishing effort in 2018 yielded considerably greater sampling size compared to previous years' studies both in terms of the total catch and CPUE. This may have occurred due to a longer sampling duration; fish sampling in 2018 was conducted over a broader sampling period (five weeks) than in the previous year encompassing most of the productive period from the end of July to the end of August.

Relative taxonomic composition of fish in the Milne Port area did not change considerably from previous studies. Catches were dominated by three species; Arctic char, fourhorn sculpin and shorthorn sculpin that comprised 98% of the total catch. Three other identified species (Arctic sculpin, Arctic cod and northern sandlance), unidentified sculpins and one unidentified fish caught in fishing gear in 2018 constituted only a small proportion of the total catch.

As in previous years, gill nets proved to be the most effective method of fish sampling, yielding 376 fish (93%) out of the total catch of 403. Gill nets in 2018 also yielded highest total catch and CPUE in comparison to previous years. Beach seine was the most efficient method of sampling in terms of the CPUE when recalculated to a number of fish caught per hour (mean 20 and SD 23.6 fish/h). However, due to limitations of the method, beach seining can be used only in very limited nearshore areas to sample small and juvenile fish, and can only be deployed for short exposure durations (minutes), thus yielding considerably lower catches than gill nets. Fukui traps were less effective and less efficient in 2018 than during previous studies yielding both the lowest total catch and lowest CPUE since the start of fish surveys in 2013.

Length-to-weight relationships were compared between 2017 and 2018 for the three most abundant fish species, Arctic char, fourhorn sculpin and shorthorn sculpin. No significant differences in the length-to-weight relationships were found between 2017 and 2018 for all three species, despite much smaller sampling sizes in 2017.

Of the 26 incidental Arctic char mortalities retained for sex, age, stomach content and body burden analysis, 14 were female and 12 were male. Analyzed fish ranged in age from 5 to 17 years. Female Arctic char were

slightly older than males (average age of 11 years vs. 10 years, respectively), and, on average, longer (average length 410 mm vs. 397 mm, respectively) and heavier (average weight 901 g vs. 705 g, respectively), although male Arctic char showed slightly greater maximum length (514 mm vs. 508 mm in females) and weight (1480 g vs. 1470 g in females). No relationship between fish body length and age was found for Arctic char incidental mortalities, indicating body size is not a good predictor for Arctic char age in the Milne Port area.

Concentrations of metals in Arctic char tissue analyzed for body burden in 2018 was consistent from those found in 2010 to 2017. No samples in 2018, or previous years, exceeded the Health Canada guideline (0.5 mg/kg) for mercury in fish tissue for human consumption.

5.2 AIS

5.2.1 Zooplankton

A total of three new zooplankton taxa were identified during the 2018 AIS surveys; however, only one taxon could be identified below the family level and no taxa could be identified to species. None of the newly observed zooplankton taxa were identified as invasive to the Arctic region. A literature review of known geographic distributions for each taxa confirmed that each new taxa was either known to occur in the Arctic or identified at a higher taxonomic level (e.g., genus, family, class), which contained species known to occur in the Arctic. Known occurrences of species within each newly observed taxa identified to higher taxonomic level suggest that specimens could also be native to the Arctic.

Taxa collected during the AIS monitoring surveys should continue to be compared to the best available literature (e.g., check for additions to the Canadian and global invasive species databases on an annual basis) to confirm the geographic ranges of known invasive species.

5.2.2 Benthic Infauna

Benthic infauna samples were collected from 10 stations in Milne Inlet and Ragged Island that were sampled previously as a part of the long term AIS program and 15 stations sampled as a part of the MEEMP for the first time in 2018. The samples were identified to the lowest possible taxonomic level. A total of 349 different benthic invertebrate taxa were identified, which included 46 taxa that were not identified in previous surveys. An analysis of the available literature and species databases indicated that 45 of the 46 newly identified taxa had known ranges that include Arctic waters or had unknown northern limits with ranges reaching into the north Atlantic and Norwegian Sea. These taxa presumably could have ranges that extend to Arctic waters.

One of the 46 new benthic infaunal species identified in 2018 was a sabellid worm found in the deep-water sediment samples collected at Milne Port. This was initially identified by the taxonomic laboratory as *Pseudofabricia* sp. Currently, the only species described for this genus is *P. aberrans*, which is considered endemic to the Mediterranean Sea (Giangrande and Cantone 1990; Cepeda and Lattig 2016; WoRMS 2019). *P. aberrans* is not listed in the global invasive species database (Molnar et al. 2008), or as a known invasive species list within the National Risk Assessment for Introduction of Aquatic Nonindigenous Species to Canada by Ballast Water (Casas-Monroy et al. 2014). Samples were sent for independent verification by the University of Laval's Benthic Ecology Laboratory, which concluded that the species may have been *Manayunkia aesturiana*. This species has a documented range in the North Atlantic (including Arctic waters) and specimens have been collected near Baffin Island (Goldsmit 2016).

In 2017 AIS surveys, the cryptogenic amphipod *Monocorophium insidiosium* was identified in samples collected from Milne Port (Golder 2018). The invasive status of this amphipod could not be determined due to uncertainties surrounding its native range, which may include the northwest Atlantic (Fofonoff et al. 2019). Individuals of this genus were identified in 2018 surveys and were not identifiable to the species level but were consistent with 2017 *M. insidiosium* specimens (Macdonald 2019, pers. comm.). Independent verification of the taxonomic identifications indicated that the *M. insidiosium* identified in 2017 and 2018 may have been *Crassikorophium bonelli* which has been identified from eastern North America and the northeastern Atlantic Ocean (GBIF 2018; ETI Bioinformatics 2019; Sirenko et al. 2019).

5.2.3 Macroflora and Benthic Epifauna

Underwater video surveys along the length of each of the four previously established AIS transects were analyzed for presence of macroflora and epifauna species. One new macroflora taxa of encrusting coralline algae (Family Corallinophycidae) was identified in the 2018 survey that had not been previously observed along the same transects. However, encrusting coralline algae had been observed previously during the MEEMP underwater surveys in 2017 (Golder 2018) and, therefore, cannot be considered non-native.

Three new epifauna taxa that had not been previously observed during AIS surveys were identified in the 2018 AIS survey. Two of the three taxa, a nemertean and a Pectinariidae polychaete have been identified in previous years benthic infaunal samples. The third taxa observed was a prickleback fish further discussed in Section 4.2.4. None of the newly observed taxa from the 2018 AIS underwater video surveys were identified as potential non-native or invasive species.

5.2.4 Fish and Mobile Epifauna

Monitoring for potential invasive or non-native fish species was conducted through an extensive program that included use of four types of fishing gear, zooplankton net sampling and underwater video recording. Three fish species (Arctic cod, herring, and prickleback) were observed in 2018 that were not previously recorded in the AIS database (ANNEXE H and ANNEXE J). Arctic cod have previously been observed at Milne Port (SEM 2017b), Atlantic herring have been documented on the north end of Baffin Island, and prickleback species are documented to inhabit the Arctic Ocean (Nelson 1994 referenced in Fishbase; Lamb and Edgell 2010). Therefore, it is unlikely that any fish species caught or observed during the 2018 studies are non-native or invasive.

5.2.5 Encrusting Epifauna

Samples of rocks and settlement plates for encrusting epifauna were analyzed for the first time in 2018 since the deployment of settlement baskets in 2016. Insufficient colonization was the reason encrusting epifauna from settlement baskets was not analyzed in 2017.

A total of eight encrusting epifaunal taxa was identified in the samples. The majority of the colonizing organisms found were in juvenile stages, which made positive identification down to the species level difficult. Juvenile barnacles of unidentified species constituted 97% of the total number of organisms found (1,733 organisms). Other observed epifaunal taxa were wrinkled rock-borer, commonly found in underwater video and infaunal samples, four species of colonial bryozoans, clams (*Mya* sp.), and polychaetes (*Circeis* sp.). None of the identified taxa were found in the marine invasive species databases.

5.2.6 Ship Hull Monitoring

Ship hull monitoring was conducted for the first time in 2018. Underwater video surveys were conducted over the hulls of three ore carriers berthed alongside the ore dock. Most of the ships' surface below the water line was found free of biofouling. Exceptions were small areas at the sterns of two ships, the Arkadia and Golden Saguenay, where some amounts of colonization by aquatic organisms were found. On the Arkadia, this included barnacles (undetermined species). Biofouling taxa on the Golden Saguenay was not positively identified through the video footage due to limited definition of the camera and low lighting, and no physical samples were collected due to the depth and location of the observations (more than 7 m below the sea surface).

6.0 CONCLUSION AND RECOMMENDATIONS

The MEEMP study design was considerably modified in 2018. The main modifications included addition of benthic infauna sampling to monitor for potential effect through distance-gradient design; conducting epibenthic video surveys within permanently established belt transects using before/after, control/impact design instead of radial distance gradient video surveys; and a longer duration of the fish sampling program.

Main conclusions and recommendations based on the results of the 2018 MEEMP studies is as follows:

- Water quality:
 - All water quality samples collected in 2018 were below the applicable water quality guidelines and effect thresholds for all tested parameters. Concentrations of iron and aluminum that do not have established CCME guidelines were above detection limits; however, these parameters were either within range of previously observed background levels or were below the detection limit levels used in the 2010-2016 sampling programs. Temporal and spatial variability were generally low among water samples collected throughout the water quality program. Water sampling should be repeated in 2019 following the same procedures outlined in this report.
- Sediment Quality:
 - Iron concentrations showed gradual increases at the 50-m station of the East Transect since 2016, and at the 1,000-m station of the same transect since 2015. However, these increases were only significant at the 50-m station between 2016 and 2017 (following a significant decrease observed between 2015 and 2016), and at the 1,000 m-station between 2015 and 2017 (following a decrease observed between 2014 and 2015). No significant increases of iron concentrations when corrected to fines content were detected in the West, North and Coastal transects.
 - It is recommended that the sediment sampling program conducted annually since 2014 continue in 2019 to further evaluate changes in sediment chemistry and composition.
- Macroflora and Epifauna:
 - Previous surveys have reiterated the difficulty in accurately replicating the position of underwater video transects between replicate transects and between subsequent survey years, which made it difficult to interpret inter-annual changes and assess potential linkages to Project activities. Therefore, the surveys conducted within the permanently established belt transects with clearly demarcated boundaries are anticipated to improve repeatability and count accuracy.
 - It is recommended to continue epibenthic monitoring within the belt transects using underwater video in 2019.
- Benthic Infauna:
 - With the video survey shortcomings detected in previous years, it was recommended that beginning in 2018, biological sampling focus on benthic infauna rather than epifauna and macroflora. Benthic infaunal sampling was conducted in conjunction with sediment sampling along the radial transects following established methods outlined in Environment Canada's Metal Mining EEM Guidance Document (Environment Canada 2012). Community composition and distribution of benthic infauna will be used as an indicator of potential effects from increased sedimentation or contamination from Project activities, should any be present within sediments in Milne Port. Sampling for benthic infauna

along the radial transects will provide a more reliable dataset using a more repeatable sampling method than underwater video surveys with less variability created by the inherent difficulty in replicating surveys between years.

- Shellfish (*H. arctica*) samples collected from benthic infauna samples and analyzed for weight-length relationship and concentrations of metals in tissue can also be used as an alternative indicator to fish weight-length and body burden studies. However, shellfish sampling can also be considered redundant if fish studies yield sufficient sampling size for the analysis.
- Benthic infauna sampling should be continued in 2019 and further as one of the main indicators of Project-related effect monitoring in the marine environment.
- It should be evaluated whether shellfish sampling for weight and length and body burden should be continued in 2019.

■ Fish:

- Considerably more fish were collected in 2018 than during previous sampling years. Fishing yield in 2018 was greater than in any previous surveys in terms of both total catch and CPUE. As in previous years, gill netting proved to be the most effective survey method, particularly for adult fish. Fukui traps, on the other hand, yielded the smallest catch for the entire duration of the MEEMP studies. Beach seine proved to be the most efficient method in terms of CPUE when recalculated to the number of fish caught per hour. Beach seining, however, can only be used to target small and juvenile fish in the limited nearshore areas.
- Statistical analysis found no significant changes in fish weight-to-length relationships in the three main species caught, Arctic char, fourhorn sculpin and shorthorn sculpin, between 2017 and 2018, although the sample sizes in 2017 were considerably smaller.
- Arctic char tissue analysis showed concentrations of metals consistent with previous years' surveys. No exceedance of Health Canada guideline for mercury in fish tissue was detected.
- In 2019, monitoring should continue to provide general characterization of the fish community (including Arctic char) in the Milne Port area using the same methods as in 2018. Fish community monitoring should include monitoring for the relative abundance and distribution of species, catch per unit of effort, measurements of length/weight distribution of each fish species, and analysis of age distribution, body burden and diet of incidental fish mortalities.

Modifications to AIS Monitoring Program included addition of the ship hull monitoring for potential biofouling and expansion of the benthic infauna program. The key findings and recommendations for the AIS program are as follows:

- The AIS benthic infauna sampling program was expanded considerably by adding 15 new benthic stations that expanded the area of study further west, east and north and to greater water depths. As a result, a greater number of benthic infauna taxa was identified than in previous years, including 46 taxa that were detected in the area for the first time since the start of the AIS program. One of the 46 new species was initially identified as *Pseudofabricia* sp. nr. *Aberrans*; a species described as endemic to the Mediterranean Sea but is not listed in the global or national invasive species databases. For confirmation purposes,

samples were sent to the University of Laval's Benthic Ecology Laboratory for independent taxonomic verification. The laboratory confirmed that the specimen could be *Manayunkia aesturiana* which has a documented range in the North Atlantic (including Arctic waters) and has been collected previously near Baffin Island (Goldsmit 2016).

- The underwater video survey of the three ore carriers showed that most of the hulls were free of biofouling with the exception of small areas at the sterns of two of the sampled ships where some amounts of colonization by aquatic organisms were found. Colonization on one of the ships consisted of barnacles (species undetermined). Fouling organisms on the other ship could not be positively identified due to limitations in camera resolution at the low lighting available and the inability to collect physical samples in the area of colonization. It is recommended that future surveys of ship hulls be conducted using a higher definition video camera with enhanced lighting capabilities.
- Based on AIS monitoring conducted to date, no confirmed invasive or non-native zooplankton, benthic epifauna, macroflora or fish taxa have been identified in the RSA.
- Encrusting epifauna samples from settlement baskets were collected for the first time in 2018 since their installation in 2016. No confirmed invasive or non-native taxa have been identified in these samples to date.

Overall indicator thresholds established for the Marine Environment in the Final Environmental Impact Statement (FEIS) and FEIS Addendum (Baffinland 2012; 2013) were only exceeded in 2018 for the following sediment quality components:

- Slight exceedance of CCME guidelines for PAH (acenaphthylene and dibenz(a,h)anthracene) in one sample on the North Transect.
- Iron concentrations in sediment showed significant increases at 50 and 1,000 m from the ore dock along the East Transect in comparison to the baseline year of 2014.

These observed changes remained within the geographic boundaries predicted in the assessment (Baffinland 2012; 2013).

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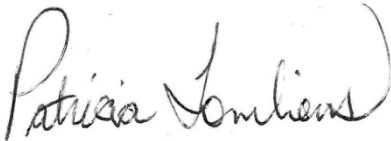
Golder Associates Ltd.



Arman Ospan, MSc, RPBio
Marine Biologist



John Sherrin, MSc, RPBio
Marine Biologist



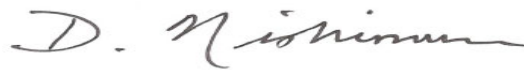
Trish Tomliens, BSc, RBTech
Benthic Ecologist



Christine Bylenga, BSc
Biologist



Kristin Westman, MSc, RPBio
Marine Biologist



Derek Nishimura, MSc, RPBio
Senior Biologist

Reviewed by:



Sima Usvyatsov, PhD
Biological Scientist



Shawn Redden, RPBio
Associate, Senior Fisheries Biologist

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ANNEXE A

Photo Log



Photograph 1: *Milne Port ore stockpile, looking southeast.*



Photograph 2: *Green sea urchins and a feather star collected from one of the Fukui traps on 17 August 2018.*



Photograph 3: Sieved benthic sample collected from station BE-3-1 on 17 August 2018.



Photograph 4: *Hiatella arctica* removed from benthic sample BE-4-3 for tissue analysis on 17 August 2018.



Photograph 5: *A whelk snail found in one of the Fukui traps retrieved on 17 August 2018.*



Photograph 6: *Pandalus sp., a genus of shrimp found in a Fukui trap retrieved on 17 August 2018.*



Photograph 7: Golder staff processing a benthic sample collected from station BM-1-13 on 18 August 2018.



Photograph 8: Golder staff deploying Petite Ponar grab sampler for sediment collection on 19 August 2018.



Photograph 9: *Milne Port ore dock, photograph taken on 19 August 2018.*



Photograph 10: *Unidentified larval fish collected from beach seine SN05 on 26 August 2018.*



Photograph 11: Arctic cod collected from gill net GN10, panel 4 on 4 August 2018.



Photograph 12: Arctic char collected from gill net GN10, panel 3 on 4 August 2018.



Photograph 13: *Fourhorn sculpin* collected from gill net GN13, panel 3 on 9 August 2018.



Photograph 14: *Shorthorn sculpin* collected from gill net GN11, panel 5 on 4 August 2018.



Photograph 15: *Field team deploying CTD Seabird at one of the Ragged Island station locations on 8 August 2018.*



Photograph 16: *Zooplankton sample collection at Ragged Island on 8 August 2018.*



Photograph 17: Homogenized sediment sample collected from station SC-2-1 on 11 August 2018.



Photograph 18: *Hiatella arctica* collected from station SW2 for tissue analysis on 13 August 2018.



Photograph 19: *Ophiuridae* family of brittlestar collected from benthic station SW1-3 on 13 August 2018.



Photograph 20: Scallops and brittle stars observed from underwater video footage taken along AIS Transect #1 on 6 August 2018.



Photograph 21: *Clione limnacinia* observed from underwater video footage taken along belt transect TP 7 on 6 August 2018.



Photograph 22: Brittle stars and scallop of the genus *Pecten* sp. from underwater video footage along AIS Transect #4 taken on 4 August 2018.



Photograph 23: *Prickleback species of fish observed from underwater video footage taken along AIS Transect #1 on 6 August 2018.*

ANNEXE B

Water Quality Analysis Data



GOLDER ASSOCIATES LTD.
ATTN: Arman Ospan
3795 Carey Road, Second Floor
Victoria BC V8Z 6T8

Date Received: 07-AUG-18
Report Date: 28-AUG-18 14:42 (MT)
Version: FINAL REV. 2

Client Phone: 250-881-7372

Certificate of Analysis

Lab Work Order #: L2142053
Project P.O. #: NOT SUBMITTED
Job Reference: 1663724/14000
C of C Numbers: 17-668075
Legal Site Desc:

Comments: 28-AUG-2018 Salinity, EC and LEPH/HEPH data is included.

Amber Springer, B.Sc
Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ADDRESS: 8081 Lougheed Hwy, Suite 100, Burnaby, BC V5A 1W9 Canada | Phone: +1 604 253 4188 | Fax: +1 604 253 6700
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ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L2142053-1	L2142053-2	L2142053-3	L2142053-4	L2142053-5
		Description	Seawater	Seawater	Seawater	Seawater	Seawater
		Sampled Date	01-AUG-18	01-AUG-18	01-AUG-18	01-AUG-18	01-AUG-18
		Sampled Time	10:30	10:20	10:00	10:10	
		Client ID	SOURCE	ENE	WNW	NORTH	DUP-A
Grouping	Analyte						
SEAWATER							
Physical Tests	Conductivity (uS/cm)		11300	14200	11400	14500	11500
	Hardness (as CaCO3) (mg/L)		1170	1440	1150	1570	1140
	pH (pH)		8.05	8.02	8.03	8.02	8.03
	Salinity (psu)		6.5	8.3	6.5	8.5	6.6
	Total Suspended Solids (mg/L)		4.3	3.1	<2.0	<2.0	2.2
	Turbidity (NTU)		2.52	1.91	1.02	0.71	0.94
Anions and Nutrients	Alkalinity, Total (as CaCO3) (mg/L)		94.7	90.1	87.9	90.1	88.0
	Ammonia, Total (as N) (mg/L)		0.0139	<0.0050	<0.0050	<0.0050	<0.0050
	Bromide (Br) (mg/L)		12.6	15.0	12.6	15.8	12.0
	Chloride (Cl) (mg/L)		3590	4500	3550	4610	3570
	Fluoride (F) (mg/L)		<1.0	<1.0	<1.0	<1.0	<1.0
	Nitrate (as N) (mg/L)		<0.50	<0.50	<0.50	<0.50	<0.50
	Nitrite (as N) (mg/L)		<0.10	<0.10	<0.10	<0.10	0.10
	Total Kjeldahl Nitrogen (mg/L)		0.135	0.095	0.115	0.106	0.113
Sulfate (SO4) (mg/L)		489	607	483	629	483	
Organic / Inorganic Carbon	Total Organic Carbon (mg/L)		1.54	1.24	1.15	1.14	1.23
Total Metals	Aluminum (Al)-Total (mg/L)		0.0478	0.0378	0.0164	0.0149	0.0207
	Antimony (Sb)-Total (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Arsenic (As)-Total (mg/L)		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
	Barium (Ba)-Total (mg/L)		0.0052	0.0051	0.0047	0.0055	0.0055
	Beryllium (Be)-Total (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Bismuth (Bi)-Total (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Boron (B)-Total (mg/L)		1.03	1.26	0.97	1.32	0.99
	Cadmium (Cd)-Total (mg/L)		<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Calcium (Ca)-Total (mg/L)		94.9	114	98.1	115	99.5
	Cesium (Cs)-Total (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Chromium (Cr)-Total (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Cobalt (Co)-Total (mg/L)		<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Copper (Cu)-Total (mg/L)		0.00085	0.00081	0.00079	<0.00050	0.00085
	Gallium (Ga)-Total (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Iron (Fe)-Total (mg/L)		0.093	0.071	0.025	0.018	0.026
	Lead (Pb)-Total (mg/L)		<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
	Lithium (Li)-Total (mg/L)		0.038	0.043	0.036	0.051	0.037
	Magnesium (Mg)-Total (mg/L)		228	286	224	283	234
	Manganese (Mn)-Total (mg/L)		0.00256	0.00186	0.00158	0.00090	0.00161
	Mercury (Hg)-Total (mg/L)		<0.000010	<0.000010	<0.000010	<0.000010	<0.000010

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID	L2142053-1 Seawater 01-AUG-18 10:30 SOURCE	L2142053-2 Seawater 01-AUG-18 10:20 ENE	L2142053-3 Seawater 01-AUG-18 10:00 WNW	L2142053-4 Seawater 01-AUG-18 10:10 NORTH	L2142053-5 Seawater 01-AUG-18 DUP-A	
Grouping	Analyte					
SEAWATER						
Total Metals	Molybdenum (Mo)-Total (mg/L)	0.0024	0.0025	0.0021	0.0029	0.0022
	Nickel (Ni)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Phosphorus (P)-Total (mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050
	Potassium (K)-Total (mg/L)	67.1	84.9	68.4	85.7	67.1
	Rhenium (Re)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Rubidium (Rb)-Total (mg/L)	0.0218	0.0257	0.0214	0.0302	0.0221
	Selenium (Se)-Total (mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
	Silicon (Si)-Total (mg/L)	<1.0	<1.0	<1.0	<1.0	<1.0
	Silver (Ag)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Sodium (Na)-Total (mg/L)	1760	2370	1850	2340	1800
	Strontium (Sr)-Total (mg/L)	1.47	1.77	1.50	1.84	1.54
	Sulfur (S)-Total (mg/L)	175	212	172	223	179
	Tellurium (Te)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Thallium (Tl)-Total (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Thorium (Th)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Tin (Sn)-Total (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Titanium (Ti)-Total (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	Tungsten (W)-Total (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Uranium (U)-Total (mg/L)	0.00281	0.00152	0.00204	0.00156	0.00196
	Vanadium (V)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Yttrium (Y)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Zinc (Zn)-Total (mg/L)	<0.0030	<0.0030	0.0031	<0.0030	0.0034
	Zirconium (Zr)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Dissolved Metals	Dissolved Mercury Filtration Location	LAB	LAB	LAB	LAB	LAB
	Dissolved Metals Filtration Location	LAB	LAB	LAB	LAB	LAB
	Aluminum (Al)-Dissolved (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	Antimony (Sb)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Arsenic (As)-Dissolved (mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
	Barium (Ba)-Dissolved (mg/L)	0.0046	0.0053	0.0048	0.0054	0.0050
	Beryllium (Be)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Bismuth (Bi)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Boron (B)-Dissolved (mg/L)	0.92	1.30	1.03	1.26	0.99
	Cadmium (Cd)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Calcium (Ca)-Dissolved (mg/L)	91.9	112	95.2	108	95.8
	Cesium (Cs)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Chromium (Cr)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Cobalt (Co)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID	L2142053-1 Seawater 01-AUG-18 10:30 SOURCE	L2142053-2 Seawater 01-AUG-18 10:20 ENE	L2142053-3 Seawater 01-AUG-18 10:00 WNW	L2142053-4 Seawater 01-AUG-18 10:10 NORTH	L2142053-5 Seawater 01-AUG-18 DUP-A	
Grouping	Analyte					
SEAWATER						
Dissolved Metals	Copper (Cu)-Dissolved (mg/L)	0.00069	0.00051	0.00053	<0.00050	0.00096
	Gallium (Ga)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Iron (Fe)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010
	Lead (Pb)-Dissolved (mg/L)	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
	Lithium (Li)-Dissolved (mg/L)	0.034	0.050	0.037	0.047	0.039
	Magnesium (Mg)-Dissolved (mg/L)	228	283	223	316	218
	Manganese (Mn)-Dissolved (mg/L)	0.00087	0.00061	0.00103	0.00063	0.00107
	Mercury (Hg)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Molybdenum (Mo)-Dissolved (mg/L)	0.0020	0.0029	0.0022	0.0027	0.0022
	Nickel (Ni)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	0.00318 ^{DTC}	<0.00050
	Phosphorus (P)-Dissolved (mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050
	Potassium (K)-Dissolved (mg/L)	64	82	65	82	67
	Rhenium (Re)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Rubidium (Rb)-Dissolved (mg/L)	0.0195	0.0290	0.0222	0.0273	0.0233
	Selenium (Se)-Dissolved (mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
	Silicon (Si)-Dissolved (mg/L)	<1.0	<1.0	<1.0	<1.0	<1.0
	Silver (Ag)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Sodium (Na)-Dissolved (mg/L)	1730	2230	1850	2330	1920
	Strontium (Sr)-Dissolved (mg/L)	1.37	1.84	1.47	1.82	1.45
	Sulfur (S)-Dissolved (mg/L)	179	223	174	243	532 ^{DTC}
	Tellurium (Te)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Thallium (Tl)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Thorium (Th)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Tin (Sn)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Titanium (Ti)-Dissolved (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	Tungsten (W)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Uranium (U)-Dissolved (mg/L)	0.00263	0.00166	0.00212	0.00150	0.00204
	Vanadium (V)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Yttrium (Y)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Zinc (Zn)-Dissolved (mg/L)	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
	Zirconium (Zr)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID		L2142053-1 Seawater 01-AUG-18 10:30 SOURCE	L2142053-2 Seawater 01-AUG-18 10:20 ENE	L2142053-3 Seawater 01-AUG-18 10:00 WNW	L2142053-4 Seawater 01-AUG-18 10:10 NORTH	L2142053-5 Seawater 01-AUG-18 DUP-A
Grouping	Analyte					
WATER						
Bacteriological Tests	Coliform Bacteria - Fecal (CFU/100mL)	<1 ^{PEHR}	<1 ^{PEHR}	<1 ^{PEHR}	<1 ^{PEHR}	<1 ^{PEHR}
Hydrocarbons	EPH10-19 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	EPH19-32 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	LEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	HEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	Surrogate: 2-Bromobenzotrifluoride (%)	107.3	113.1	102.4	105.6	108.1
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Acenaphthylene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Acridine (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Anthracene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Benz(a)anthracene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Benzo(a)pyrene (mg/L)	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
	Benzo(b&j)fluoranthene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Benzo(b+j+k)fluoranthene (mg/L)	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
	Benzo(g,h,i)perylene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Benzo(k)fluoranthene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Chrysene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Dibenz(a,h)anthracene (mg/L)	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
	Fluoranthene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Fluorene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Indeno(1,2,3-c,d)pyrene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	1-Methylnaphthalene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	2-Methylnaphthalene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Naphthalene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Phenanthrene (mg/L)	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
	Pyrene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Quinoline (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Surrogate: Acridine d9 (%)	89.0	85.6	90.0	94.2	90.1
	Surrogate: Chrysene d12 (%)	84.3	80.2	78.9	85.0	83.8
	Surrogate: Naphthalene d8 (%)	83.0	85.2	83.9	96.3	91.4
	Surrogate: Phenanthrene d10 (%)	95.9	94.8	94.1	103.9	99.3

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

Reference Information

QC Samples with Qualifiers & Comments:

QC Type Description	Parameter	Qualifier	Applies to Sample Number(s)
Laboratory Control Sample	Silicon (Si)-Total	MES	L2142053-1, -2, -3, -4, -5

Qualifiers for Individual Parameters Listed:

Qualifier	Description
DTC	Dissolved concentration exceeds total. Results were confirmed by re-analysis.
MES	Data Quality Objective was marginally exceeded (by < 10% absolute) for < 10% of analytes in a Multi-Element Scan / Multi-Parameter Scan (considered acceptable as per OMOE & CCME).
PEHR	Parameter Exceeded Recommended Holding Time On Receipt: Proceed With Analysis As Requested.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
ALK-TITR-VA	Seawater	Alkalinity Spec by Titration (Seawater)	APHA 2320 Alkalinity
		This analysis is carried out using procedures adapted from APHA Method 2320 "Alkalinity". Total alkalinity is determined by potentiometric titration to a pH 4.5 endpoint. Bicarbonate, carbonate and hydroxide alkalinity are calculated from phenolphthalein alkalinity and total alkalinity values.	
ANIONS-C-BR-IC-VA	Seawater	Bromide by IC (seawater)	EPA 300.1 (mod)
		This analysis is carried out using procedures adapted from APHA Method 4110 B. "Ion Chromatography with Chemical Suppression of Eluent Conductivity" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography".	
ANIONS-C-CL-IC-VA	Seawater	Chloride by IC (seawater)	EPA 300.1 (mod)
		This analysis is carried out using procedures adapted from APHA Method 4110 B. "Ion Chromatography with Chemical Suppression of Eluent Conductivity" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography".	
ANIONS-C-F-IC-VA	Seawater	Fluoride by IC (seawater)	EPA 300.1 (mod)
		This analysis is carried out using procedures adapted from APHA Method 4110 B. "Ion Chromatography with Chemical Suppression of Eluent Conductivity" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography".	
ANIONS-C-NO2-IC-VA	Seawater	Nitrite in Seawater by IC	EPA 300.1 (mod)
		This analysis is carried out using procedures adapted from EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography". Nitrite is detected by UV absorbance.	
ANIONS-C-NO3-IC-VA	Seawater	Nitrate in Seawater by IC	EPA 300.1 (mod)
		This analysis is carried out using procedures adapted from EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography". Nitrate is detected by UV absorbance.	
ANIONS-C-SO4-IC-VA	Seawater	Sulfate by IC (seawater)	EPA 300.1 (mod)
		This analysis is carried out using procedures adapted from APHA Method 4110 B. "Ion Chromatography with Chemical Suppression of Eluent Conductivity" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography".	
CARBONS-C-TOC-VA	Seawater	TOC by combustion (seawater)	APHA 5310B TOTAL ORGANIC CARBON (TOC)
		This analysis is carried out using procedures adapted from APHA Method 5310 "Total Organic Carbon (TOC)".	
EC-C-PCT-VA	Seawater	Conductivity (Automated) (seawater)	APHA 2510 Auto. Conduc.
		This analysis is carried out using procedures adapted from APHA Method 2510 "Conductivity". Conductivity is determined using a conductivity electrode.	
EPH-ME-FID-VA	Water	EPH in Water	BC Lab Manual
		EPH is extracted from water using a hexane micro-extraction technique, with analysis by GC-FID, as per the BC Lab Manual. EPH results include PAHs and are therefore not equivalent to LEPH or HEPH.	
FCOLI-MF-ENV-VA	Water	Fecal coliform by membrane filtration	APHA METHOD 9222
		This analysis is carried out using procedures adapted from APHA Method 9222 "Membrane Filter Technique for Members of the Coliform Group". Coliform bacteria is enumerated by culturing and colony counting. A known sample volume is filtered through a 0.45 micron membrane filter. The test involves an initial 24 hour incubation of the filter with the appropriate growth medium, positive results require further testing (up to an additional 48 hours) to confirm and quantify the total coliform. This method is used for non-turbid water with a low background bacteria level.	
HARDNESS-CALC-VA	Seawater	Hardness	APHA 2340B
		Hardness (also known as Total Hardness) is calculated from the sum of Calcium and Magnesium concentrations, expressed in CaCO3 equivalents. Dissolved Calcium and Magnesium concentrations are preferentially used for the hardness calculation.	
HG-DIS-C-CVAFS-VA	Seawater	Diss. Mercury in Seawater by CVAFS	PUGET SOUND PROTOCOLS, EPA 245.7
		This analysis is carried out using procedures adapted from "Recommended Guidelines for Measuring Metals in Puget Sound Marine Water, Sediment, and Tissue Samples" prepared for the United States Environmental Protection Agency and the Puget Sound Water Quality Authority, 1995. The procedures may involve preliminary sample treatment by filtration (EPA Method 3005A) and involves a cold-oxidation of the acidified seawater sample using bromine monochloride prior to reduction of the sample with stannous chloride. Instrumental analysis is by cold vapour atomic fluorescence spectrophotometry or atomic absorption spectrophotometry (EPA Method 245.7).	
HG-TOT-C-CVAFS-VA	Seawater	Total Mercury in Seawater by CVAFS	PUGET SOUND PROTOCOLS, EPA 245.7

Reference Information

This analysis is carried out using procedures adapted from "Recommended Guidelines for Measuring Metals in Puget Sound Marine Water, Sediment, and Tissue Samples" prepared for the United States Environmental Protection Agency and the Puget Sound Water Quality Authority, 1995. The procedure involves a cold-oxidation of the acidified seawater sample using bromine monochloride prior to reduction of the sample with stannous chloride. Instrumental analysis is by cold vapour atomic fluorescence spectrophotometry or atomic absorption spectrophotometry (EPA Method 245.7).

LEPH/HEPH-CALC-VA Water LEPHs and HEPHs BC MOE LEPH/HEPH

LEPHw and HEPHw are measures of Light and Heavy Extractable Petroleum Hydrocarbons in water. Results are calculated by subtraction of applicable PAH concentrations from EPH10-19 and EPH19-32, as per the BC Lab Manual LEPH/HEPH calculation procedure.

LEPHw = EPH10-19 minus Acenaphthene, Acridine, Anthracene, Fluorene, Naphthalene and Phenanthrene.

HEPH = EPH19-32 minus Benz(a)anthracene, Benzo(a)pyrene, Fluoranthene, and Pyrene.

MET-D-L-HRMS-VA Seawater Diss. Metals in Seawater by HR-ICPMS EPA 200.8

Trace metals in seawater are analyzed by high resolution inductively coupled plasma mass spectrometry (HR-ICPMS) based on US EPA Method 200.8, (Revision 5.5). The procedures may involve laboratory sample filtration based on APHA Method 3030B.

MET-T-L-HRMS-VA Seawater Tot. Metals in Seawater by HR-ICPMS EPA 200.8

Trace metals in seawater are analyzed by high resolution inductively coupled plasma mass spectrometry (HR-ICPMS) based on US EPA Method 200.8, (Revision 5.5). The procedures may involve preliminary sample treatment by acid digestion based on APHA Method 3030E.

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

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

PAH-ME-MS-VA Water PAHs in Water EPA 3511/8270D (mod)

PAHs are extracted from water using a hexane micro-extraction technique, with analysis by GC/MS. Because the two isomers cannot be readily separated chromatographically, benzo(j)fluoranthene is reported as part of the benzo(b)fluoranthene parameter.

PH-C-PCT-VA Seawater pH by Meter (Automated) (seawater) APHA 4500-H pH Value

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

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

SALINITY-CALC-VA Seawater Salinity by conductivity meter APHA 2520B

Salinity is determined by the APHA 2520B Electrical Conductivity Method. Salinity is a unitless parameter that is roughly equivalent to grams per Litre. ALS applies the unit of psu (practical salinity unit) to indicate that salinity values are derived from the Practical Salinity Scale.

TKN-C-F-VA Seawater TKN in Seawater by Fluorescence APHA 4500-NORG D.

This analysis is carried out using procedures adapted from APHA Method 4500-Norg D. "Block Digestion and Flow Injection Analysis". Total Kjeldahl Nitrogen is determined using block digestion followed by Flow-injection analysis with fluorescence detection.

TSS-C-VA Seawater Total Suspended Solids by Gravimetric APHA 2540 D

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

TURBIDITY-C-VA Seawater Turbidity by Meter in Seawater APHA 2130 Turbidity

This analysis is carried out using procedures adapted from APHA Method 2130 "Turbidity". Turbidity is determined by the nephelometric method.

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

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

Laboratory Definition Code	Laboratory Location
VA	ALS ENVIRONMENTAL - VANCOUVER, BRITISH COLUMBIA, CANADA

Chain of Custody Numbers:

17-668075

Reference Information

GLOSSARY OF REPORT TERMS

Surrogate - A compound that is similar in behaviour to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

mg/kg - milligrams per kilogram based on dry weight of sample.

mg/kg wwt - milligrams per kilogram based on wet weight of sample.

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight of sample.

mg/L - milligrams per litre.

< - Less than.

D.L. - The reported Detection Limit, also known as the Limit of Reporting (LOR).

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.



Quality Control Report

Workorder: L2142053

Report Date: 28-AUG-18

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Client: GOLDER ASSOCIATES LTD.
 3795 Carey Road, Second Floor
 Victoria BC V8Z 6T8
 Contact: Arman Ospan

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
EPH-ME-FID-VA		Water						
Batch	R4161202							
WG2842904-2	LCS							
EPH10-19			95.4		%		70-130	07-AUG-18
EPH19-32			90.0		%		70-130	07-AUG-18
WG2843178-2	LCS							
EPH10-19			84.6		%		70-130	08-AUG-18
EPH19-32			87.6		%		70-130	08-AUG-18
WG2842904-1	MB							
EPH10-19			<0.25		mg/L		0.25	08-AUG-18
EPH19-32			<0.25		mg/L		0.25	08-AUG-18
Surrogate: 2-Bromobenzotrifluoride			97.0		%		60-140	08-AUG-18
WG2843178-1	MB							
EPH10-19			<0.25		mg/L		0.25	08-AUG-18
EPH19-32			<0.25		mg/L		0.25	08-AUG-18
Surrogate: 2-Bromobenzotrifluoride			93.6		%		60-140	08-AUG-18
FCOLI-MF-ENV-VA		Water						
Batch	R4161996							
WG2843119-2	MB							
Coliform Bacteria - Fecal			<1		CFU/100mL		1	07-AUG-18
PAH-ME-MS-VA		Water						
Batch	R4181364							
WG2859555-2	LCS							
Acenaphthene			95.0		%		60-130	27-AUG-18
Acenaphthylene			99.2		%		60-130	27-AUG-18
Acridine			99.8		%		60-130	27-AUG-18
Anthracene			96.5		%		60-130	27-AUG-18
Benz(a)anthracene			112.5		%		60-130	27-AUG-18
Benzo(a)pyrene			101.1		%		60-130	27-AUG-18
Benzo(b&j)fluoranthene			95.5		%		60-130	27-AUG-18
Benzo(g,h,i)perylene			105.7		%		60-130	27-AUG-18
Benzo(k)fluoranthene			88.2		%		60-130	27-AUG-18
Chrysene			100.2		%		60-130	27-AUG-18
Dibenz(a,h)anthracene			102.7		%		60-130	27-AUG-18
Fluoranthene			103.0		%		60-130	27-AUG-18
Fluorene			98.5		%		60-130	27-AUG-18
Indeno(1,2,3-c,d)pyrene			107.4		%		60-130	27-AUG-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-ME-MS-VA		Water						
Batch	R4181364							
WG2859555-2	LCS							
1-Methylnaphthalene			94.0		%		60-130	27-AUG-18
2-Methylnaphthalene			92.8		%		60-130	27-AUG-18
Naphthalene			93.0		%		50-130	27-AUG-18
Phenanthrene			103.3		%		60-130	27-AUG-18
Pyrene			105.1		%		60-130	27-AUG-18
Quinoline			70.9		%		60-130	27-AUG-18
WG2859555-1	MB							
Acenaphthene			<0.000010		mg/L		0.00001	27-AUG-18
Acenaphthylene			<0.000010		mg/L		0.00001	27-AUG-18
Acridine			<0.000010		mg/L		0.00001	27-AUG-18
Anthracene			<0.000010		mg/L		0.00001	27-AUG-18
Benz(a)anthracene			<0.000010		mg/L		0.00001	27-AUG-18
Benzo(a)pyrene			<0.0000050		mg/L		0.000005	27-AUG-18
Benzo(b&j)fluoranthene			<0.000010		mg/L		0.00001	27-AUG-18
Benzo(g,h,i)perylene			<0.000010		mg/L		0.00001	27-AUG-18
Benzo(k)fluoranthene			<0.000010		mg/L		0.00001	27-AUG-18
Chrysene			<0.000010		mg/L		0.00001	27-AUG-18
Dibenz(a,h)anthracene			<0.0000050		mg/L		0.000005	27-AUG-18
Fluoranthene			<0.000010		mg/L		0.00001	27-AUG-18
Fluorene			<0.000010		mg/L		0.00001	27-AUG-18
Indeno(1,2,3-c,d)pyrene			<0.000010		mg/L		0.00001	27-AUG-18
1-Methylnaphthalene			<0.000050		mg/L		0.00005	27-AUG-18
2-Methylnaphthalene			<0.000050		mg/L		0.00005	27-AUG-18
Naphthalene			<0.000050		mg/L		0.00005	27-AUG-18
Phenanthrene			<0.000020		mg/L		0.00002	27-AUG-18
Pyrene			<0.000010		mg/L		0.00001	27-AUG-18
Quinoline			<0.000050		mg/L		0.00005	27-AUG-18
Surrogate: Acridine d9			91.7		%		60-130	27-AUG-18
Surrogate: Chrysene d12			95.8		%		60-130	27-AUG-18
Surrogate: Naphthalene d8			92.9		%		50-130	27-AUG-18
Surrogate: Phenanthrene d10			99.1		%		60-130	27-AUG-18

ALK-TITR-VA

Seawater



Quality Control Report

Workorder: L2142053

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
ALK-TITR-VA		Seawater						
Batch	R4161800							
WG2842980-3	CRM	VA-ALK-TITR-CONTROL						
Alkalinity, Total (as CaCO3)			106.7		%		85-115	08-AUG-18
WG2842980-5	DUP	L2142053-1						
Alkalinity, Total (as CaCO3)		94.7	93.9		mg/L	0.8	20	08-AUG-18
WG2842980-1	MB							
Alkalinity, Total (as CaCO3)			<1.0		mg/L		1	08-AUG-18
ANIONS-C-BR-IC-VA		Seawater						
Batch	R4164917							
WG2842959-3	DUP	L2142053-1						
Bromide (Br)		12.6	11.7		mg/L	7.6	20	07-AUG-18
WG2842959-2	LCS							
Bromide (Br)			99.0		%		85-115	07-AUG-18
WG2842959-1	MB							
Bromide (Br)			<5.0		mg/L		5	07-AUG-18
ANIONS-C-CL-IC-VA		Seawater						
Batch	R4164917							
WG2842959-3	DUP	L2142053-1						
Chloride (Cl)		3590	3500		mg/L	2.6	20	07-AUG-18
WG2842959-2	LCS							
Chloride (Cl)			101.2		%		90-110	07-AUG-18
WG2842959-1	MB							
Chloride (Cl)			<50		mg/L		50	07-AUG-18
ANIONS-C-F-IC-VA		Seawater						
Batch	R4164917							
WG2842959-3	DUP	L2142053-1						
Fluoride (F)		<1.0	<1.0	RPD-NA	mg/L	N/A	20	07-AUG-18
WG2842959-2	LCS							
Fluoride (F)			99.98		%		90-110	07-AUG-18
WG2842959-1	MB							
Fluoride (F)			<1.0		mg/L		1	07-AUG-18
ANIONS-C-NO2-IC-VA		Seawater						
Batch	R4164917							
WG2842959-3	DUP	L2142053-1						
Nitrite (as N)		<0.10	<0.10	RPD-NA	mg/L	N/A	20	07-AUG-18
WG2842959-2	LCS							
Nitrite (as N)			100.7		%		90-110	07-AUG-18
WG2842959-1	MB							

Quality Control Report

Workorder: L2142053

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
ANIONS-C-NO2-IC-VA Seawater								
Batch	R4164917							
WG2842959-1	MB							
Nitrite (as N)			<0.10		mg/L		0.1	07-AUG-18
ANIONS-C-NO3-IC-VA Seawater								
Batch	R4164917							
WG2842959-3	DUP	L2142053-1						
Nitrate (as N)		<0.50	<0.50	RPD-NA	mg/L	N/A	20	07-AUG-18
WG2842959-2	LCS							
Nitrate (as N)			101.0		%		90-110	07-AUG-18
WG2842959-1	MB							
Nitrate (as N)			<0.50		mg/L		0.5	07-AUG-18
ANIONS-C-SO4-IC-VA Seawater								
Batch	R4164917							
WG2842959-3	DUP	L2142053-1						
Sulfate (SO4)		489	471		mg/L	3.7	20	07-AUG-18
WG2842959-2	LCS							
Sulfate (SO4)			102.3		%		90-110	07-AUG-18
WG2842959-1	MB							
Sulfate (SO4)			<30		mg/L		30	07-AUG-18
CARBONS-C-TOC-VA Seawater								
Batch	R4161527							
WG2843183-4	LCS							
Total Organic Carbon			99.1		%		80-120	08-AUG-18
WG2843183-8	LCS							
Total Organic Carbon			95.9		%		80-120	08-AUG-18
WG2843183-3	MB							
Total Organic Carbon			<0.50		mg/L		0.5	08-AUG-18
WG2843183-7	MB							
Total Organic Carbon			<0.50		mg/L		0.5	08-AUG-18
HG-DIS-C-CVAFS-VA Seawater								
Batch	R4160612							
WG2843414-3	DUP	L2142053-2						
Mercury (Hg)-Dissolved		<0.000010	<0.000010	RPD-NA	mg/L	N/A	20	08-AUG-18
WG2843414-2	LCS							
Mercury (Hg)-Dissolved			99.4		%		80-120	08-AUG-18
WG2843414-1	MB	LF						
Mercury (Hg)-Dissolved			<0.000010		mg/L		0.00001	08-AUG-18
WG2843414-4	MS	L2142053-1						



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
HG-DIS-C-CVAFS-VA								
	Seawater							
Batch	R4160612							
WG2843414-4 MS		L2142053-1						
Mercury (Hg)-Dissolved			89.8		%		70-130	08-AUG-18
HG-TOT-C-CVAFS-VA								
	Seawater							
Batch	R4161253							
WG2844105-6 DUP		L2142053-2						
Mercury (Hg)-Total		<0.000010	<0.000010	RPD-NA	mg/L	N/A	20	08-AUG-18
WG2844105-2 LCS								
Mercury (Hg)-Total			98.0		%		80-120	08-AUG-18
WG2844105-1 MB								
Mercury (Hg)-Total			<0.000010		mg/L		0.00001	08-AUG-18
WG2844105-5 MS		L2142053-1						
Mercury (Hg)-Total			95.1		%		70-130	08-AUG-18
MET-D-L-HRMS-VA								
	Seawater							
Batch	R4163572							
WG2843170-3 DUP		L2142053-2						
Aluminum (Al)-Dissolved		<0.0050	<0.0050	RPD-NA	mg/L	N/A	20	09-AUG-18
Antimony (Sb)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	09-AUG-18
Arsenic (As)-Dissolved		<0.0020	<0.0020	RPD-NA	mg/L	N/A	20	09-AUG-18
Barium (Ba)-Dissolved		0.0053	0.0055		mg/L	3.4	20	09-AUG-18
Beryllium (Be)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	09-AUG-18
Bismuth (Bi)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	09-AUG-18
Boron (B)-Dissolved		1.30	1.34		mg/L	3.0	20	09-AUG-18
Cadmium (Cd)-Dissolved		<0.000050	<0.000050	RPD-NA	mg/L	N/A	20	09-AUG-18
Calcium (Ca)-Dissolved		112	111		mg/L	1.0	20	09-AUG-18
Cesium (Cs)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	09-AUG-18
Chromium (Cr)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	09-AUG-18
Cobalt (Co)-Dissolved		<0.000050	<0.000050	RPD-NA	mg/L	N/A	20	09-AUG-18
Copper (Cu)-Dissolved		0.00051	0.00054		mg/L	5.7	20	09-AUG-18
Gallium (Ga)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	09-AUG-18
Iron (Fe)-Dissolved		<0.010	<0.010	RPD-NA	mg/L	N/A	20	09-AUG-18
Lead (Pb)-Dissolved		<0.00030	<0.00030	RPD-NA	mg/L	N/A	20	09-AUG-18
Lithium (Li)-Dissolved		0.050	0.048		mg/L	2.4	20	09-AUG-18
Magnesium (Mg)-Dissolved		283	295		mg/L	4.3	20	09-AUG-18
Manganese (Mn)-Dissolved		0.00061	0.00059		mg/L	3.5	20	09-AUG-18
Molybdenum (Mo)-Dissolved		0.0029	0.0027		mg/L	5.5	20	09-AUG-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-D-L-HRMS-VA		Seawater						
Batch	R4163572							
WG2843170-3	DUP	L2142053-2						
Nickel (Ni)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	09-AUG-18
Phosphorus (P)-Dissolved		<0.050	<0.050	RPD-NA	mg/L	N/A	20	09-AUG-18
Potassium (K)-Dissolved		82	81		mg/L	0.8	20	09-AUG-18
Rhenium (Re)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	09-AUG-18
Rubidium (Rb)-Dissolved		0.0290	0.0275		mg/L	5.3	20	09-AUG-18
Selenium (Se)-Dissolved		<0.0020	<0.0020	RPD-NA	mg/L	N/A	20	09-AUG-18
Silicon (Si)-Dissolved		<1.0	<1.0	RPD-NA	mg/L	N/A	20	09-AUG-18
Silver (Ag)-Dissolved		<0.00010	<0.00010	RPD-NA	mg/L	N/A	20	09-AUG-18
Sodium (Na)-Dissolved		2230	2250		mg/L	1.1	20	09-AUG-18
Strontium (Sr)-Dissolved		1.84	1.83		mg/L	0.5	20	09-AUG-18
Sulfur (S)-Dissolved		223	229		mg/L	3.0	20	09-AUG-18
Tellurium (Te)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	09-AUG-18
Thallium (Tl)-Dissolved		<0.000050	<0.000050	RPD-NA	mg/L	N/A	20	09-AUG-18
Thorium (Th)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	09-AUG-18
Tin (Sn)-Dissolved		<0.0010	<0.0010	RPD-NA	mg/L	N/A	20	09-AUG-18
Titanium (Ti)-Dissolved		<0.0050	<0.0050	RPD-NA	mg/L	N/A	20	09-AUG-18
Tungsten (W)-Dissolved		<0.0010	<0.0010	RPD-NA	mg/L	N/A	20	09-AUG-18
Uranium (U)-Dissolved		0.00166	0.00161		mg/L	3.1	20	09-AUG-18
Vanadium (V)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	09-AUG-18
Yttrium (Y)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	09-AUG-18
Zinc (Zn)-Dissolved		<0.0030	<0.0030	RPD-NA	mg/L	N/A	20	09-AUG-18
Zirconium (Zr)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	09-AUG-18
WG2843170-2		LCS						
Aluminum (Al)-Dissolved			99.8		%		80-120	09-AUG-18
Antimony (Sb)-Dissolved			104.2		%		80-120	09-AUG-18
Arsenic (As)-Dissolved			88.9		%		80-120	09-AUG-18
Barium (Ba)-Dissolved			94.4		%		80-120	09-AUG-18
Beryllium (Be)-Dissolved			95.8		%		80-120	09-AUG-18
Bismuth (Bi)-Dissolved			102.4		%		80-120	09-AUG-18
Boron (B)-Dissolved			104.4		%		80-120	09-AUG-18
Cadmium (Cd)-Dissolved			101.0		%		80-120	09-AUG-18
Calcium (Ca)-Dissolved			101.6		%		80-120	09-AUG-18
Cesium (Cs)-Dissolved			88.8		%		80-120	09-AUG-18
Chromium (Cr)-Dissolved			96.0		%		80-120	09-AUG-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-D-L-HRMS-VA								
	Seawater							
Batch	R4163572							
WG2843170-2	LCS							
Cobalt (Co)-Dissolved			97.6		%		80-120	09-AUG-18
Copper (Cu)-Dissolved			89.6		%		80-120	09-AUG-18
Gallium (Ga)-Dissolved			99.6		%		80-120	09-AUG-18
Iron (Fe)-Dissolved			96.9		%		80-120	09-AUG-18
Lead (Pb)-Dissolved			106.1		%		80-120	09-AUG-18
Lithium (Li)-Dissolved			96.1		%		80-120	09-AUG-18
Magnesium (Mg)-Dissolved			93.5		%		80-120	09-AUG-18
Manganese (Mn)-Dissolved			97.2		%		80-120	09-AUG-18
Molybdenum (Mo)-Dissolved			94.6		%		80-120	09-AUG-18
Nickel (Ni)-Dissolved			94.8		%		80-120	09-AUG-18
Phosphorus (P)-Dissolved			90.4		%		80-120	09-AUG-18
Potassium (K)-Dissolved			89.9		%		80-120	09-AUG-18
Rhenium (Re)-Dissolved			95.2		%		80-120	09-AUG-18
Rubidium (Rb)-Dissolved			93.5		%		80-120	09-AUG-18
Selenium (Se)-Dissolved			101.7		%		80-120	09-AUG-18
Silicon (Si)-Dissolved			104.1		%		80-120	09-AUG-18
Silver (Ag)-Dissolved			97.6		%		80-120	09-AUG-18
Sodium (Na)-Dissolved			98.8		%		80-120	09-AUG-18
Strontium (Sr)-Dissolved			91.2		%		80-120	09-AUG-18
Sulfur (S)-Dissolved			96.4		%		80-120	09-AUG-18
Tellurium (Te)-Dissolved			103.0		%		80-120	09-AUG-18
Thallium (Tl)-Dissolved			98.5		%		80-120	09-AUG-18
Thorium (Th)-Dissolved			104.0		%		80-120	09-AUG-18
Tin (Sn)-Dissolved			93.0		%		80-120	09-AUG-18
Titanium (Ti)-Dissolved			94.0		%		80-120	09-AUG-18
Tungsten (W)-Dissolved			91.8		%		80-120	09-AUG-18
Uranium (U)-Dissolved			100.6		%		80-120	09-AUG-18
Vanadium (V)-Dissolved			97.0		%		80-120	09-AUG-18
Yttrium (Y)-Dissolved			99.0		%		80-120	09-AUG-18
Zinc (Zn)-Dissolved			91.8		%		80-120	09-AUG-18
Zirconium (Zr)-Dissolved			87.9		%		80-120	09-AUG-18
WG2843170-1	MB	LF						
Aluminum (Al)-Dissolved			<0.0050		mg/L		0.005	09-AUG-18
Antimony (Sb)-Dissolved			<0.00050		mg/L		0.0005	09-AUG-18



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-D-L-HRMS-VA								
	Seawater							
Batch	R4163572							
WG2843170-1	MB	LF						
Arsenic (As)-Dissolved			<0.0020		mg/L		0.002	09-AUG-18
Barium (Ba)-Dissolved			<0.0010		mg/L		0.001	09-AUG-18
Beryllium (Be)-Dissolved			<0.00050		mg/L		0.0005	09-AUG-18
Bismuth (Bi)-Dissolved			<0.00050		mg/L		0.0005	09-AUG-18
Boron (B)-Dissolved			<0.10		mg/L		0.1	09-AUG-18
Cadmium (Cd)-Dissolved			<0.000050		mg/L		0.00005	09-AUG-18
Calcium (Ca)-Dissolved			<1.0		mg/L		1	09-AUG-18
Cesium (Cs)-Dissolved			<0.00050		mg/L		0.0005	09-AUG-18
Chromium (Cr)-Dissolved			<0.00050		mg/L		0.0005	09-AUG-18
Cobalt (Co)-Dissolved			<0.000050		mg/L		0.00005	09-AUG-18
Copper (Cu)-Dissolved			<0.00050		mg/L		0.0005	09-AUG-18
Gallium (Ga)-Dissolved			<0.00050		mg/L		0.0005	09-AUG-18
Iron (Fe)-Dissolved			<0.010		mg/L		0.01	09-AUG-18
Lead (Pb)-Dissolved			<0.00030		mg/L		0.0003	09-AUG-18
Lithium (Li)-Dissolved			<0.020		mg/L		0.02	09-AUG-18
Magnesium (Mg)-Dissolved			<1.0		mg/L		1	09-AUG-18
Manganese (Mn)-Dissolved			<0.00020		mg/L		0.0002	09-AUG-18
Molybdenum (Mo)-Dissolved			<0.0020		mg/L		0.002	09-AUG-18
Nickel (Ni)-Dissolved			<0.00050		mg/L		0.0005	09-AUG-18
Phosphorus (P)-Dissolved			<0.050		mg/L		0.05	09-AUG-18
Potassium (K)-Dissolved			<1.0		mg/L		1	09-AUG-18
Rhenium (Re)-Dissolved			<0.00050		mg/L		0.0005	09-AUG-18
Rubidium (Rb)-Dissolved			<0.0050		mg/L		0.005	09-AUG-18
Selenium (Se)-Dissolved			<0.0020		mg/L		0.002	09-AUG-18
Silicon (Si)-Dissolved			<1.0		mg/L		1	09-AUG-18
Silver (Ag)-Dissolved			<0.00010		mg/L		0.0001	09-AUG-18
Sodium (Na)-Dissolved			<1.0		mg/L		1	09-AUG-18
Strontium (Sr)-Dissolved			<0.010		mg/L		0.01	09-AUG-18
Sulfur (S)-Dissolved			<5.0		mg/L		5	09-AUG-18
Tellurium (Te)-Dissolved			<0.00050		mg/L		0.0005	09-AUG-18
Thallium (Tl)-Dissolved			<0.000050		mg/L		0.00005	09-AUG-18
Thorium (Th)-Dissolved			<0.00050		mg/L		0.0005	09-AUG-18
Tin (Sn)-Dissolved			<0.0010		mg/L		0.001	09-AUG-18
Titanium (Ti)-Dissolved			<0.0050		mg/L		0.005	09-AUG-18



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-D-L-HRMS-VA								
	Seawater							
Batch	R4163572							
WG2843170-1	MB	LF						
Tungsten (W)-Dissolved			<0.0010		mg/L		0.001	09-AUG-18
Uranium (U)-Dissolved			<0.000050		mg/L		0.00005	09-AUG-18
Vanadium (V)-Dissolved			<0.00050		mg/L		0.0005	09-AUG-18
Yttrium (Y)-Dissolved			<0.00050		mg/L		0.0005	09-AUG-18
Zinc (Zn)-Dissolved			<0.0030		mg/L		0.003	09-AUG-18
Zirconium (Zr)-Dissolved			<0.00050		mg/L		0.0005	09-AUG-18
MET-T-L-HRMS-VA								
	Seawater							
Batch	R4163572							
WG2843349-2	LCS							
Aluminum (Al)-Total			107.0		%		80-120	09-AUG-18
Antimony (Sb)-Total			102.3		%		80-120	09-AUG-18
Arsenic (As)-Total			98.7		%		80-120	09-AUG-18
Barium (Ba)-Total			96.8		%		80-120	09-AUG-18
Beryllium (Be)-Total			97.0		%		80-120	09-AUG-18
Bismuth (Bi)-Total			103.8		%		80-120	09-AUG-18
Boron (B)-Total			101.6		%		80-120	09-AUG-18
Cadmium (Cd)-Total			99.8		%		80-120	09-AUG-18
Calcium (Ca)-Total			99.98		%		80-120	09-AUG-18
Cesium (Cs)-Total			90.6		%		80-120	09-AUG-18
Chromium (Cr)-Total			97.2		%		80-120	09-AUG-18
Cobalt (Co)-Total			105.6		%		80-120	09-AUG-18
Copper (Cu)-Total			100.0		%		80-120	09-AUG-18
Gallium (Ga)-Total			102.4		%		80-120	09-AUG-18
Iron (Fe)-Total			108.2		%		80-120	09-AUG-18
Lead (Pb)-Total			111.3		%		80-120	09-AUG-18
Lithium (Li)-Total			95.7		%		80-120	09-AUG-18
Magnesium (Mg)-Total			95.4		%		80-120	09-AUG-18
Manganese (Mn)-Total			106.0		%		80-120	09-AUG-18
Molybdenum (Mo)-Total			90.3		%		80-120	09-AUG-18
Nickel (Ni)-Total			103.0		%		80-120	09-AUG-18
Phosphorus (P)-Total			97.0		%		80-120	09-AUG-18
Potassium (K)-Total			94.0		%		80-120	09-AUG-18
Rhenium (Re)-Total			99.6		%		80-120	09-AUG-18
Rubidium (Rb)-Total			90.4		%		80-120	09-AUG-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-T-L-HRMS-VA		Seawater						
Batch	R4163572							
WG2843349-2	LCS							
Selenium (Se)-Total			101.2		%		80-120	09-AUG-18
Silicon (Si)-Total			120.9	MES	%		80-120	09-AUG-18
Silver (Ag)-Total			93.9		%		80-120	09-AUG-18
Sodium (Na)-Total			103.6		%		80-120	09-AUG-18
Strontium (Sr)-Total			92.8		%		80-120	09-AUG-18
Sulfur (S)-Total			106.6		%		70-130	09-AUG-18
Tellurium (Te)-Total			102.0		%		80-120	09-AUG-18
Thallium (Tl)-Total			101.9		%		80-120	09-AUG-18
Thorium (Th)-Total			107.0		%		80-120	09-AUG-18
Tin (Sn)-Total			100.6		%		80-120	09-AUG-18
Titanium (Ti)-Total			104.0		%		80-120	09-AUG-18
Tungsten (W)-Total			97.1		%		80-120	09-AUG-18
Uranium (U)-Total			102.2		%		80-120	09-AUG-18
Vanadium (V)-Total			105.2		%		80-120	09-AUG-18
Yttrium (Y)-Total			98.0		%		80-120	09-AUG-18
Zinc (Zn)-Total			95.6		%		80-120	09-AUG-18
Zirconium (Zr)-Total			90.7		%		80-120	09-AUG-18
WG2843349-1	MB							
Aluminum (Al)-Total			<0.0050		mg/L		0.005	09-AUG-18
Antimony (Sb)-Total			<0.00050		mg/L		0.0005	09-AUG-18
Arsenic (As)-Total			<0.0020		mg/L		0.002	09-AUG-18
Barium (Ba)-Total			<0.0010		mg/L		0.001	09-AUG-18
Beryllium (Be)-Total			<0.00050		mg/L		0.0005	09-AUG-18
Bismuth (Bi)-Total			<0.00050		mg/L		0.0005	09-AUG-18
Boron (B)-Total			<0.10		mg/L		0.1	09-AUG-18
Cadmium (Cd)-Total			<0.000050		mg/L		0.00005	09-AUG-18
Calcium (Ca)-Total			<1.0		mg/L		1	09-AUG-18
Cesium (Cs)-Total			<0.00050		mg/L		0.0005	09-AUG-18
Chromium (Cr)-Total			<0.00050		mg/L		0.0005	09-AUG-18
Cobalt (Co)-Total			<0.000050		mg/L		0.00005	09-AUG-18
Copper (Cu)-Total			<0.00050		mg/L		0.0005	09-AUG-18
Gallium (Ga)-Total			<0.00050		mg/L		0.0005	09-AUG-18
Iron (Fe)-Total			<0.010		mg/L		0.01	09-AUG-18
Lead (Pb)-Total			<0.00030		mg/L		0.0003	09-AUG-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-T-L-HRMS-VA		Seawater						
Batch	R4163572							
WG2843349-1	MB							
Lithium (Li)-Total			<0.020		mg/L		0.02	09-AUG-18
Magnesium (Mg)-Total			<1.0		mg/L		1	09-AUG-18
Manganese (Mn)-Total			<0.00020		mg/L		0.0002	09-AUG-18
Molybdenum (Mo)-Total			<0.0020		mg/L		0.002	09-AUG-18
Nickel (Ni)-Total			<0.00050		mg/L		0.0005	09-AUG-18
Phosphorus (P)-Total			<0.050		mg/L		0.05	09-AUG-18
Potassium (K)-Total			<1.0		mg/L		1	09-AUG-18
Rhenium (Re)-Total			<0.00050		mg/L		0.0005	09-AUG-18
Rubidium (Rb)-Total			<0.0050		mg/L		0.005	09-AUG-18
Selenium (Se)-Total			<0.0020		mg/L		0.002	09-AUG-18
Silicon (Si)-Total			<1.0		mg/L		1	09-AUG-18
Silver (Ag)-Total			<0.00010		mg/L		0.0001	09-AUG-18
Sodium (Na)-Total			<1.0		mg/L		1	09-AUG-18
Strontium (Sr)-Total			<0.010		mg/L		0.01	09-AUG-18
Sulfur (S)-Total			<5.0		mg/L		5	09-AUG-18
Tellurium (Te)-Total			<0.00050		mg/L		0.0005	09-AUG-18
Thallium (Tl)-Total			<0.000050		mg/L		0.00005	09-AUG-18
Thorium (Th)-Total			<0.00050		mg/L		0.0005	09-AUG-18
Tin (Sn)-Total			<0.0010		mg/L		0.001	09-AUG-18
Titanium (Ti)-Total			<0.0050		mg/L		0.005	09-AUG-18
Tungsten (W)-Total			<0.0010		mg/L		0.001	09-AUG-18
Uranium (U)-Total			<0.000050		mg/L		0.00005	09-AUG-18
Vanadium (V)-Total			<0.00050		mg/L		0.0005	09-AUG-18
Yttrium (Y)-Total			<0.00050		mg/L		0.0005	09-AUG-18
Zinc (Zn)-Total			<0.0030		mg/L		0.003	09-AUG-18
Zirconium (Zr)-Total			<0.00050		mg/L		0.0005	09-AUG-18
NH3-F-VA		Seawater						
Batch	R4161073							
WG2843113-3	DUP	L2142053-1						
Ammonia, Total (as N)		0.0139	0.0134		mg/L	3.8	20	08-AUG-18
WG2843113-2	LCS							
Ammonia, Total (as N)			101.9		%		85-115	08-AUG-18
WG2843113-1	MB							
Ammonia, Total (as N)			<0.0050		mg/L		0.005	08-AUG-18
WG2843113-4	MS	L2142053-1						

Quality Control Report

Workorder: L2142053

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
NH3-F-VA								
Seawater								
Batch	R4161073							
WG2843113-4	MS	L2142053-1						
Ammonia, Total (as N)			94.3		%		75-125	08-AUG-18
PH-C-PCT-VA								
Seawater								
Batch	R4161800							
WG2842980-2	CRM	VA-PH7-BUF						
pH			7.01		pH		6.9-7.1	08-AUG-18
WG2842980-5	DUP	L2142053-1						
pH		8.05	8.09	J	pH	0.04	0.3	08-AUG-18
TKN-C-F-VA								
Seawater								
Batch	R4161498							
WG2843154-3	DUP	L2142053-2						
Total Kjeldahl Nitrogen		0.095	0.100		mg/L	4.4	20	08-AUG-18
WG2843154-2	LCS							
Total Kjeldahl Nitrogen			100.6		%		75-125	08-AUG-18
WG2843154-1	MB							
Total Kjeldahl Nitrogen			<0.050		mg/L		0.05	08-AUG-18
WG2843154-4	MS	L2142053-3						
Total Kjeldahl Nitrogen			101.0		%		70-130	08-AUG-18
TSS-C-VA								
Seawater								
Batch	R4160707							
WG2842958-2	LCS							
Total Suspended Solids			89.3		%		85-115	07-AUG-18
WG2842958-1	MB							
Total Suspended Solids			<2.0		mg/L		2	07-AUG-18
TURBIDITY-C-VA								
Seawater								
Batch	R4160462							
WG2843045-2	CRM	VA-FORM-40						
Turbidity			99.0		%		85-115	07-AUG-18
WG2843045-1	MB							
Turbidity			<0.10		NTU		0.1	07-AUG-18

Quality Control Report

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Legend:

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

Sample Parameter Qualifier Definitions:

Qualifier	Description
J	Duplicate results and limits are expressed in terms of absolute difference.
MES	Data Quality Objective was marginally exceeded (by < 10% absolute) for < 10% of analytes in a Multi-Element Scan / Multi-Parameter Scan (considered acceptable as per OMOE & CCME).
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

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Hold Time Exceedances:

ALS Product Description	Sample ID	Sampling Date	Date Processed	Rec. HT	Actual HT	Units	Qualifier
Physical Tests							
Turbidity by Meter in Seawater							
	1	01-AUG-18 10:30	07-AUG-18 16:28	3	6	days	EHTR
	2	01-AUG-18 10:20	07-AUG-18 16:28	3	6	days	EHTR
	3	01-AUG-18 10:00	07-AUG-18 16:28	3	6	days	EHTR
	4	01-AUG-18 10:10	07-AUG-18 16:28	3	6	days	EHTR
	5	01-AUG-18	07-AUG-18 16:28	3	6	days	EHTR
pH by Meter (Automated) (seawater)							
	1	01-AUG-18 10:30	08-AUG-18 09:41	0.25	167	hours	EHTR-FM
	2	01-AUG-18 10:20	08-AUG-18 09:41	0.25	167	hours	EHTR-FM
	3	01-AUG-18 10:00	08-AUG-18 09:41	0.25	168	hours	EHTR-FM
	4	01-AUG-18 10:10	08-AUG-18 09:41	0.25	168	hours	EHTR-FM
	5	01-AUG-18	08-AUG-18 09:41	0.25	166	hours	EHTR-FM
Anions and Nutrients							
Nitrate in Seawater by IC							
	1	01-AUG-18 10:30	07-AUG-18 10:07	3	6	days	EHTR
	2	01-AUG-18 10:20	07-AUG-18 10:07	3	6	days	EHTR
	3	01-AUG-18 10:00	07-AUG-18 10:07	3	6	days	EHTR
	4	01-AUG-18 10:10	07-AUG-18 10:07	3	6	days	EHTR
	5	01-AUG-18	07-AUG-18 10:07	3	6	days	EHTR
Nitrite in Seawater by IC							
	1	01-AUG-18 10:30	07-AUG-18 10:07	3	6	days	EHTR
	2	01-AUG-18 10:20	07-AUG-18 10:07	3	6	days	EHTR
	3	01-AUG-18 10:00	07-AUG-18 10:07	3	6	days	EHTR
	4	01-AUG-18 10:10	07-AUG-18 10:07	3	6	days	EHTR
	5	01-AUG-18	07-AUG-18 10:07	3	6	days	EHTR
Bacteriological Tests							
Fecal coliform by membrane filtration							
	1	01-AUG-18 10:30	07-AUG-18 14:30	30	148	hours	EHTR
	2	01-AUG-18 10:20	07-AUG-18 14:30	30	148	hours	EHTR
	3	01-AUG-18 10:00	07-AUG-18 14:30	30	149	hours	EHTR
	4	01-AUG-18 10:10	07-AUG-18 14:30	30	148	hours	EHTR
	5	01-AUG-18	07-AUG-18 14:30	30	146	hours	EHTR
Polycyclic Aromatic Hydrocarbons							
PAHs in Water							
	1	01-AUG-18 10:30	24-AUG-18 16:00	14	23	days	EHT
	2	01-AUG-18 10:20	24-AUG-18 16:00	14	23	days	EHT
	3	01-AUG-18 10:00	24-AUG-18 16:00	14	23	days	EHT
	4	01-AUG-18 10:10	24-AUG-18 16:00	14	23	days	EHT
	5	01-AUG-18	24-AUG-18 16:00	14	23	days	EHT

Legend & Qualifier Definitions:

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

Notes*:

Where actual sampling date is not provided to ALS, the date (& time) of receipt is used for calculation purposes.
 Where actual sampling time is not provided to ALS, the earlier of 12 noon on the sampling date or the time (& date) of receipt is used for calculation purposes. Samples for L2142053 were received on 07-AUG-18 10:10.

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

Quality Control Report

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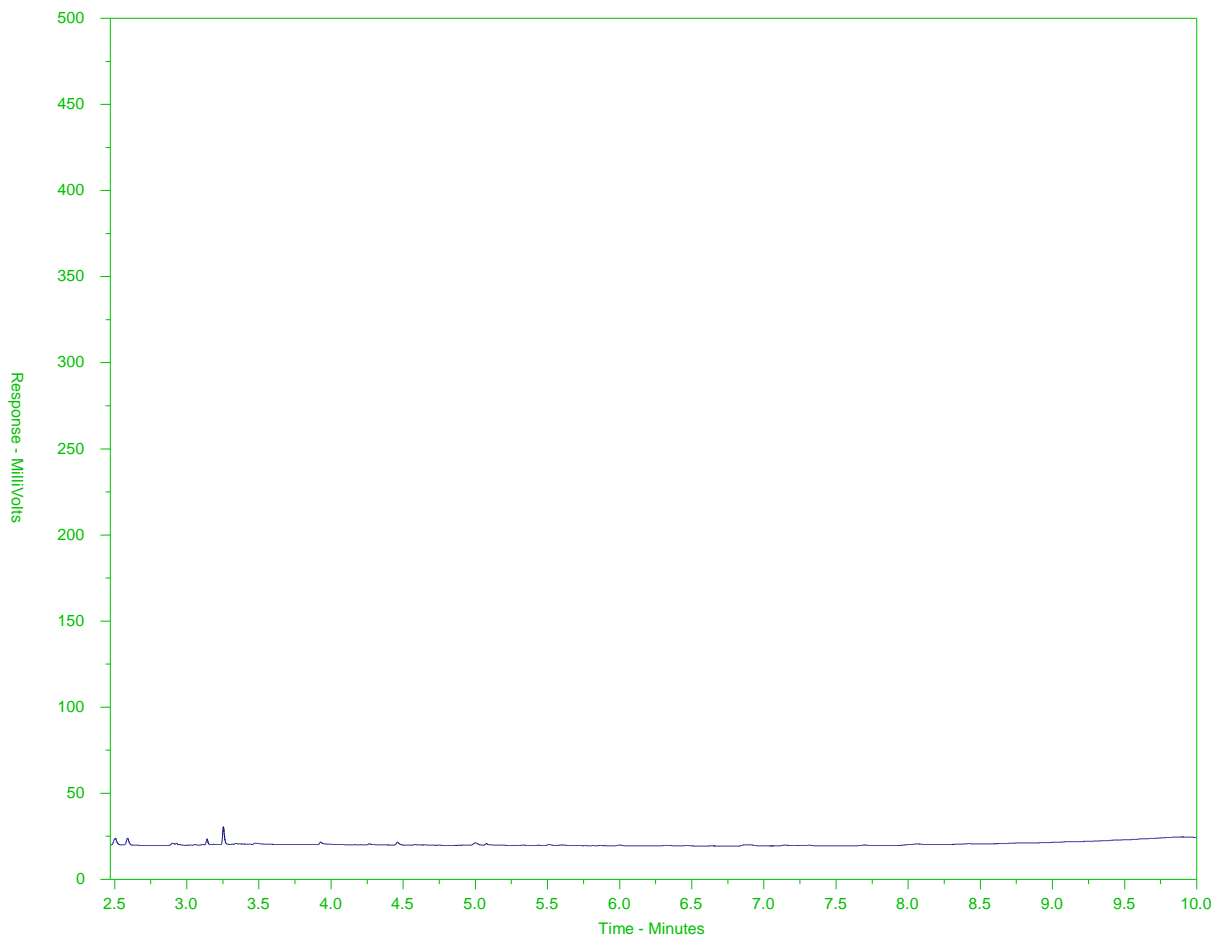
The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide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

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

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2142053-1
 Client Sample ID: SOURCE



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →		← Motor Oils/ Lube Oils/ Grease →	
← Diesel/ Jet Fuels →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

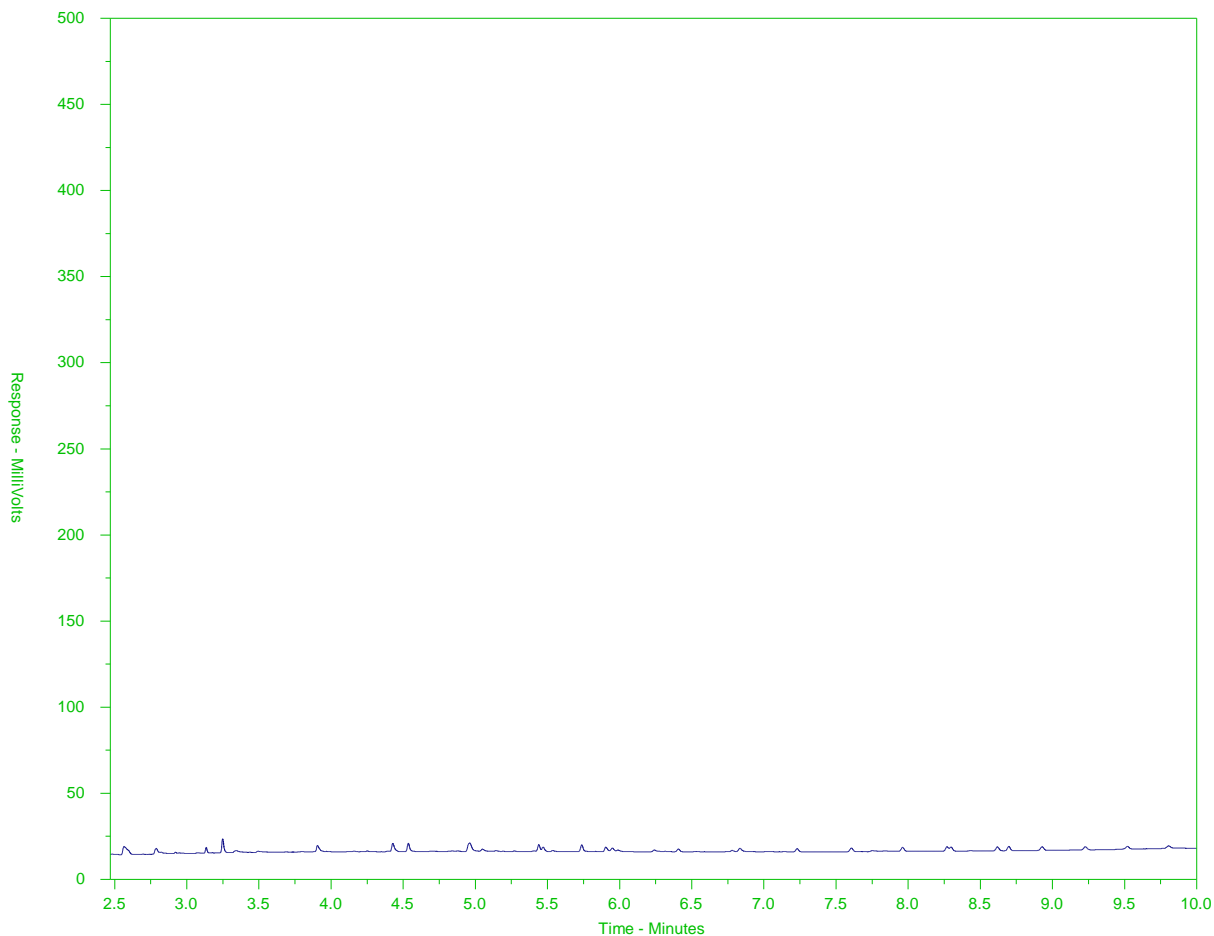
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2142053-2
 Client Sample ID: ENE



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →		← Motor Oils/ Lube Oils/ Grease →	
← Diesel/ Jet Fuels →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

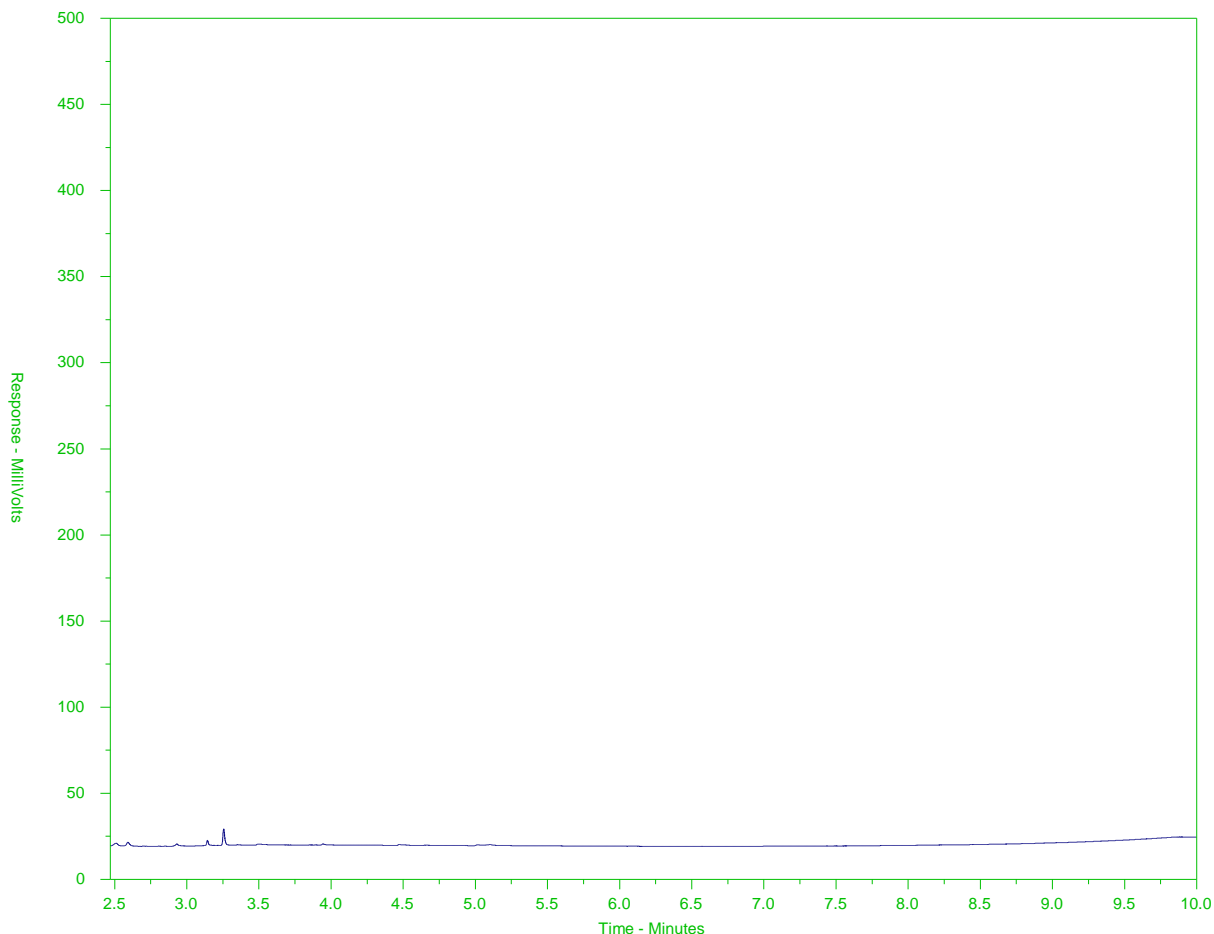
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2142053-3
 Client Sample ID: WNW



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →		← Motor Oils/ Lube Oils/ Grease →	
← Diesel/ Jet Fuels →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

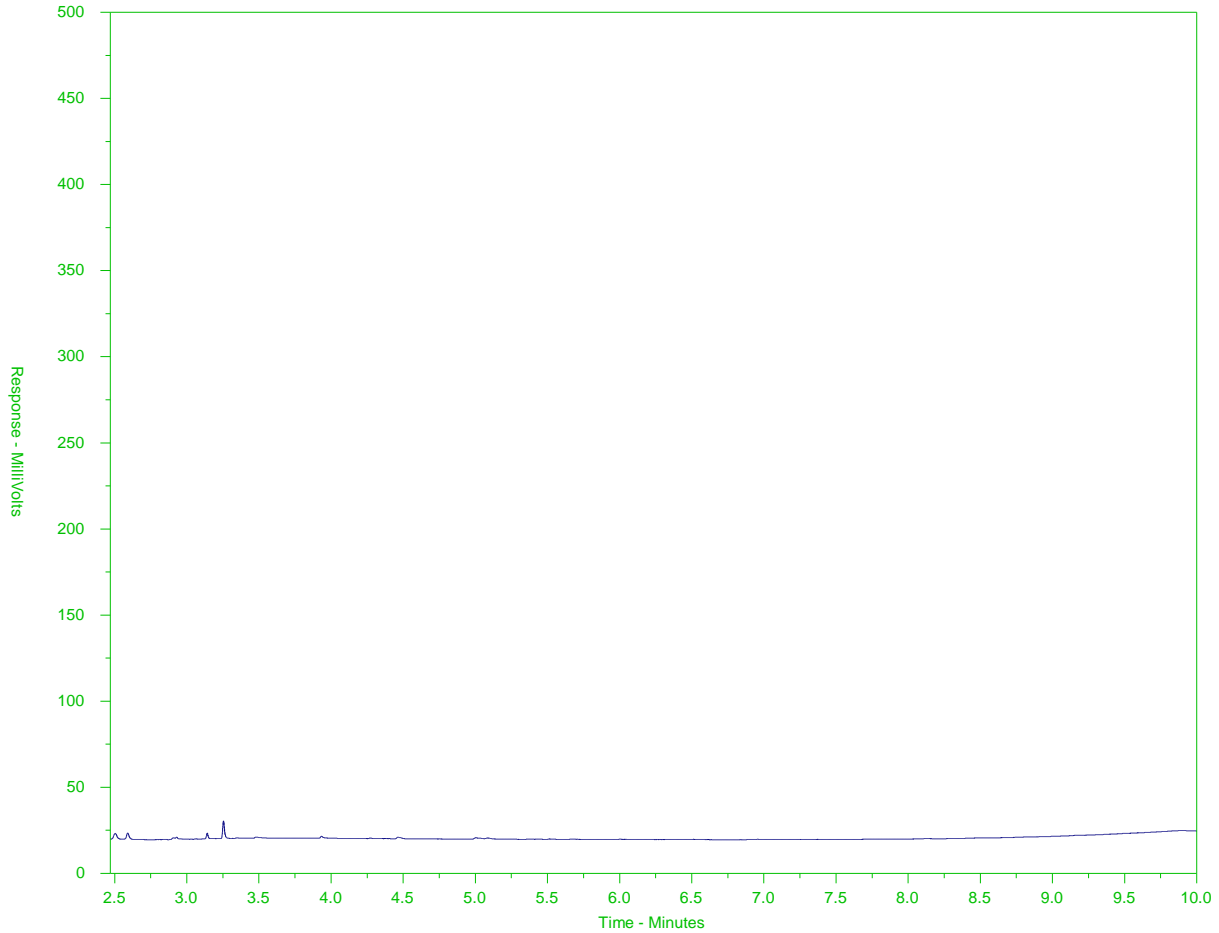
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2142053-4
 Client Sample ID: NORTH



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →		← Motor Oils/ Lube Oils/ Grease →	
← Diesel/ Jet Fuels →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

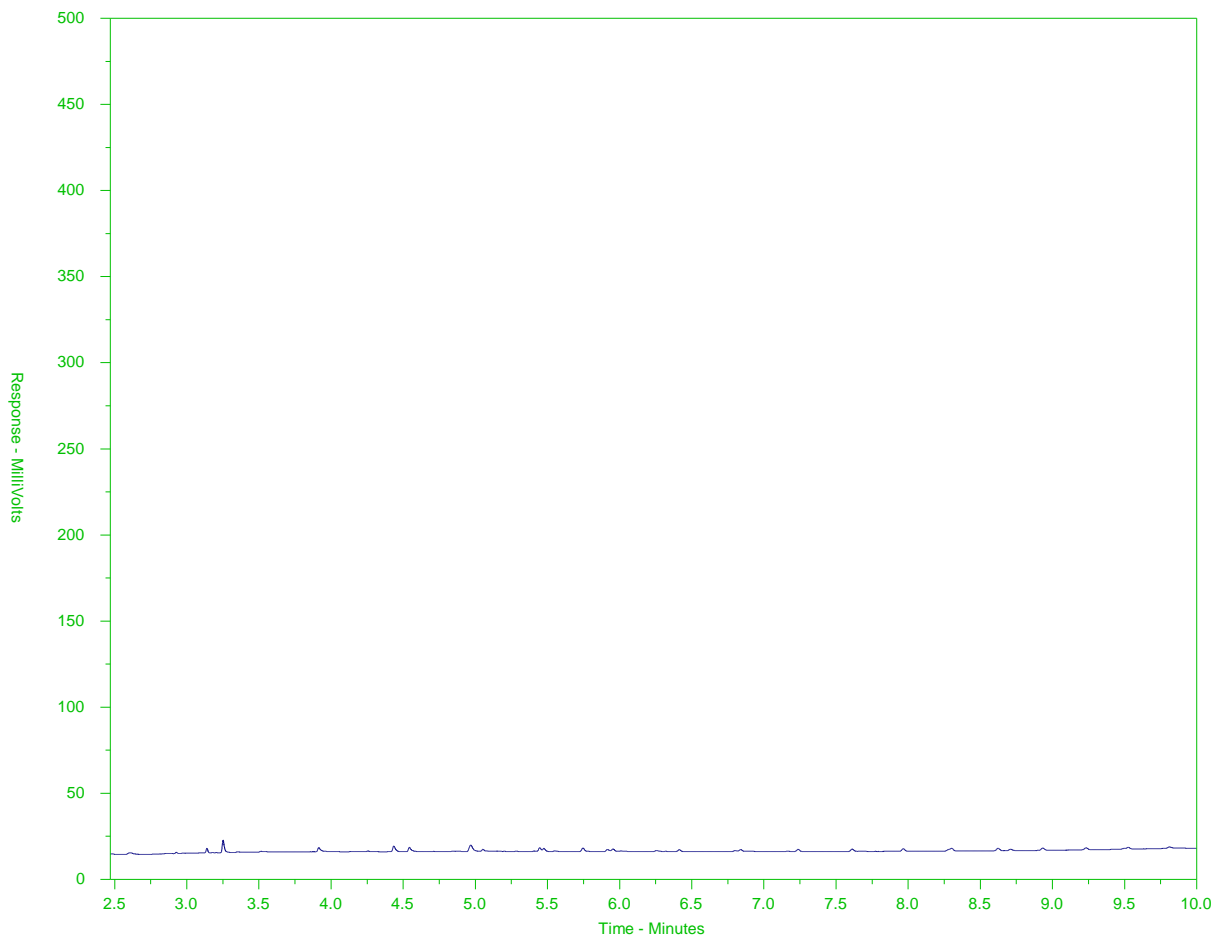
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2142053-5
 Client Sample ID: DUP-A



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →		← Motor Oils/ Lube Oils/ Grease →	
← Diesel/ Jet Fuels →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.



GOLDER ASSOCIATES LTD.
ATTN: John Sherrin
3795 Carey Road, Second Floor
Victoria BC V8Z 6T8

Date Received: 10-AUG-18
Report Date: 27-AUG-18 13:08 (MT)
Version: FINAL REV. 2

Client Phone: 250-881-7372

Certificate of Analysis

Lab Work Order #: L2144572
Project P.O. #: NOT SUBMITTED
Job Reference: 1663724/14000/3
C of C Numbers:
Legal Site Desc:

Comments: 27-AUG-2018 Salinity data is included.

Amber Springer, B.Sc
Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ADDRESS: 8081 Lougheed Hwy, Suite 100, Burnaby, BC V5A 1W9 Canada | Phone: +1 604 253 4188 | Fax: +1 604 253 6700
ALS CANADA LTD Part of the ALS Group An ALS Limited Company

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L2144572-1	L2144572-2	L2144572-3	L2144572-4
		Description	SEAWATER	SEAWATER	SEAWATER	SEAWATER
		Sampled Date	07-AUG-18	07-AUG-18	07-AUG-18	07-AUG-18
		Sampled Time	17:30	17:20	17:00	17:10
		Client ID	SOURCE	WNW	NORTH	ENE
Grouping	Analyte					
SEAWATER						
Physical Tests	Conductivity (uS/cm)		12100	13500	14900	17000
	Hardness (as CaCO3) (mg/L)		1300	1390	1550	1780
	pH (pH)		8.09	8.08	8.07	8.07
	Salinity (psu)		6.9	7.7	8.7	9.9
	Total Suspended Solids (mg/L)		<2.0	<2.0	<2.0	<2.0
	Turbidity (NTU)		0.55	0.58	0.49	0.60
Anions and Nutrients	Alkalinity, Total (as CaCO3) (mg/L)		80.5	80.7	80.4	83.2
	Ammonia, Total (as N) (mg/L)		<0.0050	<0.0050	<0.0050	<0.0050
	Bromide (Br) (mg/L)		13.4	15.0	17.3	20.2
	Chloride (Cl) (mg/L)		3850	4360	4940	5800
	Fluoride (F) (mg/L)		<1.0	<1.0	<1.0	<1.0
	Nitrate (as N) (mg/L)		<0.50	<0.50	<0.50	<0.50
	Nitrite (as N) (mg/L)		<0.10	<0.10	<0.10	<0.10
	Total Kjeldahl Nitrogen (mg/L)		0.081	0.090	0.091	0.090
	Sulfate (SO4) (mg/L)		497	553	655	765
Organic / Inorganic Carbon	Total Organic Carbon (mg/L)		1.33	1.77	1.22	1.20
Total Metals	Aluminum (Al)-Total (mg/L)		0.0155	0.0165	0.0142	0.0209
	Antimony (Sb)-Total (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050
	Arsenic (As)-Total (mg/L)		<0.0020	<0.0020	<0.0020	<0.0020
	Barium (Ba)-Total (mg/L)		0.0058	0.0060	0.0056	0.0064
	Beryllium (Be)-Total (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050
	Bismuth (Bi)-Total (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050
	Boron (B)-Total (mg/L)		0.94	1.10	1.21	1.40
	Cadmium (Cd)-Total (mg/L)		<0.000050	<0.000050	<0.000050	<0.000050
	Calcium (Ca)-Total (mg/L)		95.6	105	118	135
	Cesium (Cs)-Total (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050
	Chromium (Cr)-Total (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050
	Cobalt (Co)-Total (mg/L)		<0.000050	<0.000050	<0.000050	<0.000050
	Copper (Cu)-Total (mg/L)		<0.00050	<0.00050	<0.00050	0.00088
	Gallium (Ga)-Total (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050
	Iron (Fe)-Total (mg/L)		0.017	0.019	0.014	0.026
	Lead (Pb)-Total (mg/L)		<0.00030	<0.00030	<0.00030	<0.00030
	Lithium (Li)-Total (mg/L)		0.045	0.035	0.042	0.048
	Magnesium (Mg)-Total (mg/L)		251	275	301	362
	Manganese (Mn)-Total (mg/L)		0.00102	0.00115	0.00106	0.00157
	Mercury (Hg)-Total (mg/L)		<0.000010	<0.000010	<0.000010	<0.000010

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID		L2144572-1 SEAWATER 07-AUG-18 17:30 SOURCE	L2144572-2 SEAWATER 07-AUG-18 17:20 WNW	L2144572-3 SEAWATER 07-AUG-18 17:00 NORTH	L2144572-4 SEAWATER 07-AUG-18 17:10 ENE
Grouping	Analyte				
SEAWATER					
Total Metals	Molybdenum (Mo)-Total (mg/L)	0.0022	0.0026	0.0027	0.0031
	Nickel (Ni)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Phosphorus (P)-Total (mg/L)	<0.050	<0.050	<0.050	<0.050
	Potassium (K)-Total (mg/L)	71.2	77.3	94.4	107
	Rhenium (Re)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Rubidium (Rb)-Total (mg/L)	0.0233	0.0268	0.0285	0.0327
	Selenium (Se)-Total (mg/L)	<0.0020	<0.0020	<0.0020	<0.0020
	Silicon (Si)-Total (mg/L)	1.0	<1.0	<1.0	<1.0
	Silver (Ag)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010
	Sodium (Na)-Total (mg/L)	1950	2100	2440	2760
	Strontium (Sr)-Total (mg/L)	1.50	1.57	1.73	1.99
	Sulfur (S)-Total (mg/L)	190	211	234	279
	Tellurium (Te)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Thallium (Tl)-Total (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050
	Thorium (Th)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Tin (Sn)-Total (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010
	Titanium (Ti)-Total (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050
	Tungsten (W)-Total (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010
	Uranium (U)-Total (mg/L)	0.00125	0.00127	0.00132	0.00187
	Vanadium (V)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Yttrium (Y)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Zinc (Zn)-Total (mg/L)	<0.0030	<0.0030	<0.0030	<0.0030
	Zirconium (Zr)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
Dissolved Metals	Dissolved Mercury Filtration Location	LAB	LAB	LAB	LAB
	Dissolved Metals Filtration Location	LAB	LAB	LAB	LAB
	Aluminum (Al)-Dissolved (mg/L)	0.0072	0.0071	0.0068	0.0059
	Antimony (Sb)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Arsenic (As)-Dissolved (mg/L)	<0.0020	<0.0020	<0.0020	<0.0020
	Barium (Ba)-Dissolved (mg/L)	0.0055	0.0054	0.0056	0.0057
	Beryllium (Be)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Bismuth (Bi)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Boron (B)-Dissolved (mg/L)	0.96	1.08	1.21	1.40
	Cadmium (Cd)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050
	Calcium (Ca)-Dissolved (mg/L)	100	105	114	132
	Cesium (Cs)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Chromium (Cr)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Cobalt (Co)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID	L2144572-1 SEAWATER 07-AUG-18 17:30 SOURCE	L2144572-2 SEAWATER 07-AUG-18 17:20 WNW	L2144572-3 SEAWATER 07-AUG-18 17:00 NORTH	L2144572-4 SEAWATER 07-AUG-18 17:10 ENE	
Grouping	Analyte				
SEAWATER					
Dissolved Metals	Copper (Cu)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Gallium (Ga)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Iron (Fe)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010
	Lead (Pb)-Dissolved (mg/L)	<0.00030	<0.00030	<0.00030	<0.00030
	Lithium (Li)-Dissolved (mg/L)	0.047	0.037	0.039	0.049
	Magnesium (Mg)-Dissolved (mg/L)	254	273	307	352
	Manganese (Mn)-Dissolved (mg/L)	0.00076	0.00088	0.00084	0.00097
	Mercury (Hg)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Molybdenum (Mo)-Dissolved (mg/L)	0.0022	0.0025	0.0027	0.0032
	Nickel (Ni)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Phosphorus (P)-Dissolved (mg/L)	<0.050	<0.050	<0.050	<0.050
	Potassium (K)-Dissolved (mg/L)	75	82	99	107
	Rhenium (Re)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Rubidium (Rb)-Dissolved (mg/L)	0.0234	0.0261	0.0277	0.0327
	Selenium (Se)-Dissolved (mg/L)	<0.0020	<0.0020	<0.0020	<0.0020
	Silicon (Si)-Dissolved (mg/L)	<1.0	<1.0	<1.0	<1.0
	Silver (Ag)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010
	Sodium (Na)-Dissolved (mg/L)	2060	2200	2410	2770
	Strontium (Sr)-Dissolved (mg/L)	1.48	1.56	1.77	1.99
	Sulfur (S)-Dissolved (mg/L)	188	208	235	272
	Tellurium (Te)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Thallium (Tl)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050
	Thorium (Th)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Tin (Sn)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010
	Titanium (Ti)-Dissolved (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050
	Tungsten (W)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010
	Uranium (U)-Dissolved (mg/L)	0.00127	0.00126	0.00131	0.00185
	Vanadium (V)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Yttrium (Y)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Zinc (Zn)-Dissolved (mg/L)	<0.0030	<0.0030	<0.0030	<0.0030
	Zirconium (Zr)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID	L2144572-1 SEAWATER 07-AUG-18 17:30 SOURCE	L2144572-2 SEAWATER 07-AUG-18 17:20 WNW	L2144572-3 SEAWATER 07-AUG-18 17:00 NORTH	L2144572-4 SEAWATER 07-AUG-18 17:10 ENE	
Grouping	Analyte				
WATER					
Bacteriological Tests	Coliform Bacteria - Fecal (CFU/100mL)	<1	<1	<1	<1
Hydrocarbons	EPH10-19 (mg/L)	<0.25	<0.25	<0.25	<0.25
	EPH19-32 (mg/L)	<0.25	<0.25	<0.25	<0.25
	LEPH (mg/L)	<0.25	<0.25	<0.25	<0.25
	HEPH (mg/L)	<0.25	<0.25	<0.25	<0.25
	Surrogate: 2-Bromobenzotrifluoride (%)	109.0	117.5	104.8	118.3
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Acenaphthylene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Acridine (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Anthracene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Benz(a)anthracene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Benzo(a)pyrene (mg/L)	<0.0000050	<0.0000050	<0.0000050	<0.0000050
	Benzo(b&j)fluoranthene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Benzo(b+j+k)fluoranthene (mg/L)	<0.000015	<0.000015	<0.000015	<0.000015
	Benzo(g,h,i)perylene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Benzo(k)fluoranthene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Chrysene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Dibenz(a,h)anthracene (mg/L)	<0.0000050	<0.0000050	<0.0000050	<0.0000050
	Fluoranthene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Fluorene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Indeno(1,2,3-c,d)pyrene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	1-Methylnaphthalene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050
	2-Methylnaphthalene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050
	Naphthalene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050
	Phenanthrene (mg/L)	<0.000020	<0.000020	<0.000020	<0.000020
	Pyrene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Quinoline (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050
	Surrogate: Acridine d9 (%)	104.2	108.8	112.0	113.3
	Surrogate: Chrysene d12 (%)	97.0	105.6	97.4	90.8
	Surrogate: Naphthalene d8 (%)	115.2	117.5	115.0	116.7
	Surrogate: Phenanthrene d10 (%)	121.3	125.4	124.2	122.8

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

Reference Information

QC Samples with Qualifiers & Comments:

QC Type Description	Parameter	Qualifier	Applies to Sample Number(s)
Laboratory Control Sample	Silicon (Si)-Dissolved	MES	L2144572-1, -2, -3, -4
Matrix Spike	Calcium (Ca)-Dissolved	MS-B	L2144572-1, -2, -3, -4
Matrix Spike	Magnesium (Mg)-Dissolved	MS-B	L2144572-1, -2, -3, -4
Matrix Spike	Sodium (Na)-Dissolved	MS-B	L2144572-1, -2, -3, -4
Matrix Spike	Strontium (Sr)-Dissolved	MS-B	L2144572-1, -2, -3, -4
Matrix Spike	Calcium (Ca)-Total	MS-B	L2144572-1, -2, -3, -4
Matrix Spike	Magnesium (Mg)-Total	MS-B	L2144572-1, -2, -3, -4
Matrix Spike	Sodium (Na)-Total	MS-B	L2144572-1, -2, -3, -4
Matrix Spike	Strontium (Sr)-Total	MS-B	L2144572-1, -2, -3, -4

Qualifiers for Individual Parameters Listed:

Qualifier	Description
MES	Data Quality Objective was marginally exceeded (by < 10% absolute) for < 10% of analytes in a Multi-Element Scan / Multi-Parameter Scan (considered acceptable as per OMOE & CCME).
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
ALK-TITR-VA	Seawater	Alkalinity Spec by Titration (Seawater)	APHA 2320 Alkalinity
This analysis is carried out using procedures adapted from APHA Method 2320 "Alkalinity". Total alkalinity is determined by potentiometric titration to a pH 4.5 endpoint. Bicarbonate, carbonate and hydroxide alkalinity are calculated from phenolphthalein alkalinity and total alkalinity values.			
ANIONS-C-BR-IC-VA	Seawater	Bromide by IC (seawater)	EPA 300.1 (mod)
This analysis is carried out using procedures adapted from APHA Method 4110 B. "Ion Chromatography with Chemical Suppression of Eluent Conductivity" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography".			
ANIONS-C-CL-IC-VA	Seawater	Chloride by IC (seawater)	EPA 300.1 (mod)
This analysis is carried out using procedures adapted from APHA Method 4110 B. "Ion Chromatography with Chemical Suppression of Eluent Conductivity" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography".			
ANIONS-C-F-IC-VA	Seawater	Fluoride by IC (seawater)	EPA 300.1 (mod)
This analysis is carried out using procedures adapted from APHA Method 4110 B. "Ion Chromatography with Chemical Suppression of Eluent Conductivity" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography".			
ANIONS-C-NO2-IC-VA	Seawater	Nitrite in Seawater by IC	EPA 300.1 (mod)
This analysis is carried out using procedures adapted from EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography". Nitrite is detected by UV absorbance.			
ANIONS-C-NO3-IC-VA	Seawater	Nitrate in Seawater by IC	EPA 300.1 (mod)
This analysis is carried out using procedures adapted from EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography". Nitrate is detected by UV absorbance.			
ANIONS-C-SO4-IC-VA	Seawater	Sulfate by IC (seawater)	EPA 300.1 (mod)
This analysis is carried out using procedures adapted from APHA Method 4110 B. "Ion Chromatography with Chemical Suppression of Eluent Conductivity" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography".			
CARBONS-C-TOC-VA	Seawater	TOC by combustion (seawater)	APHA 5310B TOTAL ORGANIC CARBON (TOC)
This analysis is carried out using procedures adapted from APHA Method 5310 "Total Organic Carbon (TOC)".			
EC-C-PCT-VA	Seawater	Conductivity (Automated) (seawater)	APHA 2510 Auto. Conduc.
This analysis is carried out using procedures adapted from APHA Method 2510 "Conductivity". Conductivity is determined using a conductivity electrode.			
EC-SCREEN-VA	Seawater	Conductivity Screen (Internal Use Only)	APHA 2510
Qualitative analysis of conductivity where required during preparation of other tests - e.g. TDS, metals, etc.			
EPH-ME-FID-VA	Water	EPH in Water	BC Lab Manual
EPH is extracted from water using a hexane micro-extraction technique, with analysis by GC-FID, as per the BC Lab Manual. EPH results include PAHs and are therefore not equivalent to LEPH or HEPH.			
FCOLI-MF-ENV-VA	Water	Fecal coliform by membrane filtration	APHA METHOD 9222
This analysis is carried out using procedures adapted from APHA Method 9222 "Membrane Filter Technique for Members of the Coliform Group". Coliform bacteria is enumerated by culturing and colony counting. A known sample volume is filtered through a 0.45 micron membrane filter. The test involves an initial 24 hour incubation of the filter with the appropriate growth medium, positive results require further testing (up to an additional 48 hours) to confirm and quantify the total coliform. This method is used for non-turbid water with a low background bacteria level.			

Reference Information

HARDNESS-CALC-VA	Seawater	Hardness	APHA 2340B
Hardness (also known as Total Hardness) is calculated from the sum of Calcium and Magnesium concentrations, expressed in CaCO ₃ equivalents. Dissolved Calcium and Magnesium concentrations are preferentially used for the hardness calculation.			
HG-DIS-C-CVAFS-VA	Seawater	Diss. Mercury in Seawater by CVAFS	PUGET SOUND PROTOCOLS, EPA 245.7
This analysis is carried out using procedures adapted from "Recommended Guidelines for Measuring Metals in Puget Sound Marine Water, Sediment, and Tissue Samples" prepared for the United States Environmental Protection Agency and the Puget Sound Water Quality Authority, 1995. The procedures may involve preliminary sample treatment by filtration (EPA Method 3005A) and involves a cold-oxidation of the acidified seawater sample using bromine monochloride prior to reduction of the sample with stannous chloride. Instrumental analysis is by cold vapour atomic fluorescence spectrophotometry or atomic absorption spectrophotometry (EPA Method 245.7).			
HG-TOT-C-CVAFS-VA	Seawater	Total Mercury in Seawater by CVAFS	PUGET SOUND PROTOCOLS, EPA 245.7
This analysis is carried out using procedures adapted from "Recommended Guidelines for Measuring Metals in Puget Sound Marine Water, Sediment, and Tissue Samples" prepared for the United States Environmental Protection Agency and the Puget Sound Water Quality Authority, 1995. The procedure involves a cold-oxidation of the acidified seawater sample using bromine monochloride prior to reduction of the sample with stannous chloride. Instrumental analysis is by cold vapour atomic fluorescence spectrophotometry or atomic absorption spectrophotometry (EPA Method 245.7).			
LEPH/HEPH-CALC-VA	Water	LEPHs and HEPHs	BC MOE LEPH/HEPH
LEPHw and HEPHw are measures of Light and Heavy Extractable Petroleum Hydrocarbons in water. Results are calculated by subtraction of applicable PAH concentrations from EPH10-19 and EPH19-32, as per the BC Lab Manual LEPH/HEPH calculation procedure. LEPHw = EPH10-19 minus Acenaphthene, Acridine, Anthracene, Fluorene, Naphthalene and Phenanthrene. HEPH = EPH19-32 minus Benz(a)anthracene, Benzo(a)pyrene, Fluoranthene, and Pyrene.			
MET-D-L-HRMS-VA	Seawater	Diss. Metals in Seawater by HR-ICPMS	EPA 200.8
Trace metals in seawater are analyzed by high resolution inductively coupled plasma mass spectrometry (HR-ICPMS) based on US EPA Method 200.8, (Revision 5.5). The procedures may involve laboratory sample filtration based on APHA Method 3030B.			
MET-T-L-HRMS-VA	Seawater	Tot. Metals in Seawater by HR-ICPMS	EPA 200.8
Trace metals in seawater are analyzed by high resolution inductively coupled plasma mass spectrometry (HR-ICPMS) based on US EPA Method 200.8, (Revision 5.5). The procedures may involve preliminary sample treatment by acid digestion based on APHA Method 3030E.			
NH3-F-VA	Seawater	Ammonia in Seawater by Fluorescence	J. ENVIRON. MONIT., 2005, 7, 37-42, RSC
This analysis is carried out, on sulfuric acid preserved samples, using procedures modified from J. Environ. Monit., 2005, 7, 37 - 42, The Royal Society of Chemistry, "Flow-injection analysis with fluorescence detection for the determination of trace levels of ammonium in seawater", Roslyn J. Waston et al.			
PAH-ME-MS-VA	Water	PAHs in Water	EPA 3511/8270D (mod)
PAHs are extracted from water using a hexane micro-extraction technique, with analysis by GC/MS. Because the two isomers cannot be readily separated chromatographically, benzo(j)fluoranthene is reported as part of the benzo(b)fluoranthene parameter.			
PH-C-PCT-VA	Seawater	pH by Meter (Automated) (seawater)	APHA 4500-H pH Value
This analysis is carried out using procedures adapted from APHA Method 4500-H "pH Value". The pH is determined in the laboratory using a pH electrode.			
It is recommended that this analysis be conducted in the field.			
SALINITY-CALC-VA	Seawater	Salinity by conductivity meter	APHA 2520B
Salinity is determined by the APHA 2520B Electrical Conductivity Method. Salinity is a unitless parameter that is roughly equivalent to grams per Litre. ALS applies the unit of psu (practical salinity unit) to indicate that salinity values are derived from the Practical Salinity Scale.			
TKN-C-F-VA	Seawater	TKN in Seawater by Fluorescence	APHA 4500-NORG D.
This analysis is carried out using procedures adapted from APHA Method 4500-Norg D. "Block Digestion and Flow Injection Analysis". Total Kjeldahl Nitrogen is determined using block digestion followed by Flow-injection analysis with fluorescence detection.			
TSS-C-VA	Seawater	Total Suspended Solids by Gravimetric	APHA 2540 D
This analysis is carried out using procedures adapted from APHA Method 2540 "Solids". Solids are determined gravimetrically. Total Suspended Solids (TSS) is determined by filtering a sample through a glass fibre filter. TSS is determined by drying the filter at 104 degrees celsius.			
TURBIDITY-C-VA	Seawater	Turbidity by Meter in Seawater	APHA 2130 Turbidity
This analysis is carried out using procedures adapted from APHA Method 2130 "Turbidity". Turbidity is determined by the nephelometric method.			

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

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

Laboratory Definition Code	Laboratory Location
VA	ALS ENVIRONMENTAL - VANCOUVER, BRITISH COLUMBIA, CANADA

Chain of Custody Numbers:

Reference Information

GLOSSARY OF REPORT TERMS

Surrogate - A compound that is similar in behaviour to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

mg/kg - milligrams per kilogram based on dry weight of sample.

mg/kg wwt - milligrams per kilogram based on wet weight of sample.

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight of sample.

mg/L - milligrams per litre.

< - Less than.

D.L. - The reported Detection Limit, also known as the Limit of Reporting (LOR).

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Quality Control Report

Workorder: L2144572

Report Date: 27-AUG-18

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Client: GOLDER ASSOCIATES LTD.
3795 Carey Road, Second Floor
Victoria BC V8Z 6T8

Contact: John Sherrin

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
EPH-ME-FID-VA		Water						
Batch	R4172647							
WG2848690-2	LCS							
EPH10-19			102.0		%		70-130	15-AUG-18
EPH19-32			104.7		%		70-130	15-AUG-18
WG2848690-1	MB							
EPH10-19			<0.25		mg/L		0.25	15-AUG-18
EPH19-32			<0.25		mg/L		0.25	15-AUG-18
Surrogate: 2-Bromobenzotrifluoride			121.5		%		60-140	15-AUG-18
FCOLI-MF-ENV-VA		Water						
Batch	R4165848							
WG2846577-1	MB							
Coliform Bacteria - Fecal			<1		CFU/100mL		1	10-AUG-18
PAH-ME-MS-VA		Water						
Batch	R4170010							
WG2848690-2	LCS							
Acenaphthene			90.9		%		60-130	17-AUG-18
Acenaphthylene			92.4		%		60-130	17-AUG-18
Acridine			93.4		%		60-130	17-AUG-18
Anthracene			92.5		%		60-130	17-AUG-18
Benz(a)anthracene			98.4		%		60-130	17-AUG-18
Benzo(a)pyrene			88.5		%		60-130	17-AUG-18
Benzo(b&j)fluoranthene			79.3		%		60-130	17-AUG-18
Benzo(g,h,i)perylene			95.3		%		60-130	17-AUG-18
Benzo(k)fluoranthene			88.3		%		60-130	17-AUG-18
Chrysene			97.5		%		60-130	17-AUG-18
Dibenz(a,h)anthracene			94.5		%		60-130	17-AUG-18
Fluoranthene			95.4		%		60-130	17-AUG-18
Fluorene			92.2		%		60-130	17-AUG-18
Indeno(1,2,3-c,d)pyrene			95.2		%		60-130	17-AUG-18
1-Methylnaphthalene			82.5		%		60-130	17-AUG-18
2-Methylnaphthalene			86.8		%		60-130	17-AUG-18
Naphthalene			87.8		%		50-130	17-AUG-18
Phenanthrene			96.6		%		60-130	17-AUG-18
Pyrene			95.8		%		60-130	17-AUG-18
Quinoline			64.4		%		60-130	17-AUG-18
WG2848690-1	MB							



Quality Control Report

Workorder: L2144572

Report Date: 27-AUG-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-ME-MS-VA		Water						
Batch	R4170010							
WG2848690-1	MB							
Acenaphthene			<0.000010		mg/L		0.00001	17-AUG-18
Acenaphthylene			<0.000010		mg/L		0.00001	17-AUG-18
Acridine			<0.000010		mg/L		0.00001	17-AUG-18
Anthracene			<0.000010		mg/L		0.00001	17-AUG-18
Benz(a)anthracene			<0.000010		mg/L		0.00001	17-AUG-18
Benzo(a)pyrene			<0.0000050		mg/L		0.000005	17-AUG-18
Benzo(b&j)fluoranthene			<0.000010		mg/L		0.00001	17-AUG-18
Benzo(g,h,i)perylene			<0.000010		mg/L		0.00001	17-AUG-18
Benzo(k)fluoranthene			<0.000010		mg/L		0.00001	17-AUG-18
Chrysene			<0.000010		mg/L		0.00001	17-AUG-18
Dibenz(a,h)anthracene			<0.0000050		mg/L		0.000005	17-AUG-18
Fluoranthene			<0.000010		mg/L		0.00001	17-AUG-18
Fluorene			<0.000010		mg/L		0.00001	17-AUG-18
Indeno(1,2,3-c,d)pyrene			<0.000010		mg/L		0.00001	17-AUG-18
1-Methylnaphthalene			<0.000050		mg/L		0.00005	17-AUG-18
2-Methylnaphthalene			<0.000050		mg/L		0.00005	17-AUG-18
Naphthalene			<0.000050		mg/L		0.00005	17-AUG-18
Phenanthrene			<0.000020		mg/L		0.00002	17-AUG-18
Pyrene			<0.000010		mg/L		0.00001	17-AUG-18
Quinoline			<0.000050		mg/L		0.00005	17-AUG-18
Surrogate: Acridine d9			120.7		%		60-130	17-AUG-18
Surrogate: Chrysene d12			122.1		%		60-130	17-AUG-18
Surrogate: Naphthalene d8			121.7		%		50-130	17-AUG-18
Surrogate: Phenanthrene d10			126.4		%		60-130	17-AUG-18
ALK-TITR-VA		Seawater						
Batch	R4165554							
WG2846491-3	CRM	VA-ALK-TITR-CONTROL						
Alkalinity, Total (as CaCO3)			103.1		%		85-115	11-AUG-18
WG2846491-5	DUP	L2144572-1						
Alkalinity, Total (as CaCO3)		80.5	79.8		mg/L	0.9	20	11-AUG-18
WG2846491-1	MB							
Alkalinity, Total (as CaCO3)			<1.0		mg/L		1	11-AUG-18
ANIONS-C-BR-IC-VA		Seawater						



Quality Control Report

Workorder: L2144572

Report Date: 27-AUG-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
ANIONS-C-BR-IC-VA		Seawater						
Batch	R4164847							
WG2846432-3	DUP	L2144572-1						
Bromide (Br)		13.4	13.4		mg/L	0.1	20	10-AUG-18
WG2846432-2	LCS							
Bromide (Br)			94.6		%		85-115	10-AUG-18
WG2846432-1	MB							
Bromide (Br)			<5.0		mg/L		5	10-AUG-18
ANIONS-C-CL-IC-VA		Seawater						
Batch	R4164847							
WG2846432-3	DUP	L2144572-1						
Chloride (Cl)		3850	3810		mg/L	1.0	20	10-AUG-18
WG2846432-2	LCS							
Chloride (Cl)			96.9		%		90-110	10-AUG-18
WG2846432-1	MB							
Chloride (Cl)			<50		mg/L		50	10-AUG-18
ANIONS-C-F-IC-VA		Seawater						
Batch	R4164847							
WG2846432-3	DUP	L2144572-1						
Fluoride (F)		<1.0	<1.0	RPD-NA	mg/L	N/A	20	10-AUG-18
WG2846432-2	LCS							
Fluoride (F)			97.7		%		90-110	10-AUG-18
WG2846432-1	MB							
Fluoride (F)			<1.0		mg/L		1	10-AUG-18
ANIONS-C-NO2-IC-VA		Seawater						
Batch	R4164847							
WG2846432-3	DUP	L2144572-1						
Nitrite (as N)		<0.10	<0.10	RPD-NA	mg/L	N/A	20	10-AUG-18
WG2846432-2	LCS							
Nitrite (as N)			99.4		%		90-110	10-AUG-18
WG2846432-1	MB							
Nitrite (as N)			<0.10		mg/L		0.1	10-AUG-18
ANIONS-C-NO3-IC-VA		Seawater						
Batch	R4164847							
WG2846432-3	DUP	L2144572-1						
Nitrate (as N)		<0.50	<0.50	RPD-NA	mg/L	N/A	20	10-AUG-18
WG2846432-2	LCS							
Nitrate (as N)			97.4		%		90-110	10-AUG-18
WG2846432-1	MB							

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
ANIONS-C-NO3-IC-VA Seawater								
Batch	R4164847							
WG2846432-1	MB							
Nitrate (as N)			<0.50		mg/L		0.5	10-AUG-18
ANIONS-C-SO4-IC-VA Seawater								
Batch	R4164847							
WG2846432-3	DUP	L2144572-1						
Sulfate (SO4)		497	500		mg/L	0.5	20	10-AUG-18
WG2846432-2	LCS							
Sulfate (SO4)			98.6		%		90-110	10-AUG-18
WG2846432-1	MB							
Sulfate (SO4)			<30		mg/L		30	10-AUG-18
CARBONS-C-TOC-VA Seawater								
Batch	R4165476							
WG2846716-4	LCS							
Total Organic Carbon			98.8		%		80-120	10-AUG-18
WG2846716-3	MB							
Total Organic Carbon			<0.50		mg/L		0.5	10-AUG-18
EC-C-PCT-VA Seawater								
Batch	R4165554							
WG2846491-4	CRM	VA-EC-PCT-CONTROL						
Conductivity			104.6		%		90-110	11-AUG-18
WG2846491-5	DUP	L2144572-1						
Conductivity		12100	12000		uS/cm	0.7	10	11-AUG-18
WG2846491-1	MB							
Conductivity			<2.0		uS/cm		2	11-AUG-18
HG-DIS-C-CVAFS-VA Seawater								
Batch	R4164308							
WG2846698-2	LCS							
Mercury (Hg)-Dissolved			95.5		%		80-120	11-AUG-18
WG2846698-1	MB	LF						
Mercury (Hg)-Dissolved			<0.000010		mg/L		0.00001	11-AUG-18
WG2846698-4	MS	L2144572-4						
Mercury (Hg)-Dissolved			93.6		%		70-130	11-AUG-18
HG-TOT-C-CVAFS-VA Seawater								

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HG-TOT-C-CVAFS-VA		Seawater						
Batch	R4164308							
WG2846706-2	LCS							
Mercury (Hg)-Total			97.9		%		80-120	11-AUG-18
WG2846706-1	MB							
Mercury (Hg)-Total			<0.000010		mg/L		0.00001	11-AUG-18
MET-D-L-HRMS-VA		Seawater						
Batch	R4175659							
WG2847227-3	DUP	L2144572-2						
Antimony (Sb)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	16-AUG-18
Arsenic (As)-Dissolved		<0.0020	<0.0020	RPD-NA	mg/L	N/A	20	16-AUG-18
Barium (Ba)-Dissolved		0.0054	0.0054		mg/L	0.2	20	16-AUG-18
Beryllium (Be)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	16-AUG-18
Bismuth (Bi)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	16-AUG-18
Boron (B)-Dissolved		1.08	1.11		mg/L	2.5	20	16-AUG-18
Calcium (Ca)-Dissolved		105	105		mg/L	0.1	20	16-AUG-18
Cesium (Cs)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	16-AUG-18
Chromium (Cr)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	16-AUG-18
Cobalt (Co)-Dissolved		<0.000050	<0.000050	RPD-NA	mg/L	N/A	20	16-AUG-18
Copper (Cu)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	16-AUG-18
Gallium (Ga)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	16-AUG-18
Iron (Fe)-Dissolved		<0.010	<0.010	RPD-NA	mg/L	N/A	20	16-AUG-18
Lead (Pb)-Dissolved		<0.00030	<0.00030	RPD-NA	mg/L	N/A	20	16-AUG-18
Magnesium (Mg)-Dissolved		273	273		mg/L	0.1	20	16-AUG-18
Manganese (Mn)-Dissolved		0.00088	0.00072		mg/L	20	20	16-AUG-18
Molybdenum (Mo)-Dissolved		0.0025	0.0025		mg/L	0.4	20	16-AUG-18
Nickel (Ni)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	16-AUG-18
Phosphorus (P)-Dissolved		<0.050	<0.050	RPD-NA	mg/L	N/A	20	16-AUG-18
Potassium (K)-Dissolved		82	76		mg/L	7.1	20	16-AUG-18
Rhenium (Re)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	16-AUG-18
Rubidium (Rb)-Dissolved		0.0261	0.0260		mg/L	0.4	20	16-AUG-18
Selenium (Se)-Dissolved		<0.0020	<0.0020	RPD-NA	mg/L	N/A	20	16-AUG-18
Silicon (Si)-Dissolved		<1.0	<1.0	RPD-NA	mg/L	N/A	20	16-AUG-18
Silver (Ag)-Dissolved		<0.00010	<0.00010	RPD-NA	mg/L	N/A	20	16-AUG-18
Sodium (Na)-Dissolved		2200	2140		mg/L	2.7	20	16-AUG-18
Strontium (Sr)-Dissolved		1.56	1.53		mg/L	2.3	20	16-AUG-18
Sulfur (S)-Dissolved		208	208		mg/L	0.2	20	16-AUG-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-D-L-HRMS-VA								
	Seawater							
Batch	R4175659							
WG2847227-3	DUP	L2144572-2						
Tellurium (Te)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	16-AUG-18
Thallium (Tl)-Dissolved		<0.000050	<0.000050	RPD-NA	mg/L	N/A	20	16-AUG-18
Thorium (Th)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	16-AUG-18
Tin (Sn)-Dissolved		<0.0010	<0.0010	RPD-NA	mg/L	N/A	20	16-AUG-18
Titanium (Ti)-Dissolved		<0.0050	<0.0050	RPD-NA	mg/L	N/A	20	16-AUG-18
Tungsten (W)-Dissolved		<0.0010	<0.0010	RPD-NA	mg/L	N/A	20	16-AUG-18
Uranium (U)-Dissolved		0.00126	0.00138		mg/L	9.1	20	16-AUG-18
Vanadium (V)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	16-AUG-18
Yttrium (Y)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	16-AUG-18
Zinc (Zn)-Dissolved		<0.0030	<0.0030	RPD-NA	mg/L	N/A	20	16-AUG-18
Zirconium (Zr)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	16-AUG-18
WG2847227-2	LCS							
Aluminum (Al)-Dissolved			103.0		%		80-120	16-AUG-18
Antimony (Sb)-Dissolved			101.9		%		80-120	16-AUG-18
Arsenic (As)-Dissolved			101.0		%		80-120	16-AUG-18
Barium (Ba)-Dissolved			96.8		%		80-120	16-AUG-18
Beryllium (Be)-Dissolved			94.3		%		80-120	16-AUG-18
Bismuth (Bi)-Dissolved			100.0		%		80-120	16-AUG-18
Boron (B)-Dissolved			100.4		%		80-120	16-AUG-18
Cadmium (Cd)-Dissolved			99.5		%		80-120	16-AUG-18
Calcium (Ca)-Dissolved			100.7		%		80-120	16-AUG-18
Cesium (Cs)-Dissolved			90.4		%		80-120	16-AUG-18
Chromium (Cr)-Dissolved			98.0		%		80-120	16-AUG-18
Cobalt (Co)-Dissolved			101.6		%		80-120	16-AUG-18
Copper (Cu)-Dissolved			106.0		%		80-120	16-AUG-18
Gallium (Ga)-Dissolved			105.6		%		80-120	16-AUG-18
Iron (Fe)-Dissolved			107.9		%		80-120	16-AUG-18
Lead (Pb)-Dissolved			102.8		%		80-120	16-AUG-18
Lithium (Li)-Dissolved			110.4		%		80-120	16-AUG-18
Magnesium (Mg)-Dissolved			100.9		%		80-120	16-AUG-18
Manganese (Mn)-Dissolved			102.0		%		80-120	16-AUG-18
Molybdenum (Mo)-Dissolved			93.6		%		80-120	16-AUG-18
Nickel (Ni)-Dissolved			103.2		%		80-120	16-AUG-18
Phosphorus (P)-Dissolved			98.6		%		80-120	16-AUG-18

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MET-D-L-HRMS-VA								
	Seawater							
Batch	R4175659							
WG2847227-2	LCS							
Potassium (K)-Dissolved			103.5		%		80-120	16-AUG-18
Rhenium (Re)-Dissolved			96.3		%		80-120	16-AUG-18
Rubidium (Rb)-Dissolved			102.0		%		80-120	16-AUG-18
Selenium (Se)-Dissolved			97.0		%		80-120	16-AUG-18
Silicon (Si)-Dissolved			120.5	MES	%		80-120	16-AUG-18
Silver (Ag)-Dissolved			95.9		%		80-120	16-AUG-18
Sodium (Na)-Dissolved			100.8		%		80-120	16-AUG-18
Strontium (Sr)-Dissolved			87.6		%		80-120	16-AUG-18
Sulfur (S)-Dissolved			111.1		%		80-120	16-AUG-18
Tellurium (Te)-Dissolved			102.0		%		80-120	16-AUG-18
Thallium (Tl)-Dissolved			94.7		%		80-120	16-AUG-18
Thorium (Th)-Dissolved			100.0		%		80-120	16-AUG-18
Tin (Sn)-Dissolved			96.4		%		80-120	16-AUG-18
Titanium (Ti)-Dissolved			107.6		%		80-120	16-AUG-18
Tungsten (W)-Dissolved			91.2		%		80-120	16-AUG-18
Uranium (U)-Dissolved			96.2		%		80-120	16-AUG-18
Vanadium (V)-Dissolved			103.4		%		80-120	16-AUG-18
Yttrium (Y)-Dissolved			100.0		%		80-120	16-AUG-18
Zinc (Zn)-Dissolved			101.6		%		80-120	16-AUG-18
Zirconium (Zr)-Dissolved			91.2		%		80-120	16-AUG-18
WG2847227-1	MB	LF						
Antimony (Sb)-Dissolved			<0.00050		mg/L		0.0005	16-AUG-18
Arsenic (As)-Dissolved			<0.0020		mg/L		0.002	16-AUG-18
Barium (Ba)-Dissolved			<0.0010		mg/L		0.001	16-AUG-18
Beryllium (Be)-Dissolved			<0.00050		mg/L		0.0005	16-AUG-18
Bismuth (Bi)-Dissolved			<0.00050		mg/L		0.0005	16-AUG-18
Boron (B)-Dissolved			<0.10		mg/L		0.1	16-AUG-18
Cadmium (Cd)-Dissolved			<0.000050		mg/L		0.00005	16-AUG-18
Calcium (Ca)-Dissolved			<1.0		mg/L		1	16-AUG-18
Cesium (Cs)-Dissolved			<0.00050		mg/L		0.0005	16-AUG-18
Chromium (Cr)-Dissolved			<0.00050		mg/L		0.0005	16-AUG-18
Cobalt (Co)-Dissolved			<0.000050		mg/L		0.00005	16-AUG-18
Copper (Cu)-Dissolved			<0.00050		mg/L		0.0005	16-AUG-18
Gallium (Ga)-Dissolved			<0.00050		mg/L		0.0005	16-AUG-18



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MET-D-L-HRMS-VA								
	Seawater							
Batch	R4175659							
WG2847227-1 MB		LF						
Iron (Fe)-Dissolved			<0.010		mg/L		0.01	16-AUG-18
Lead (Pb)-Dissolved			<0.00030		mg/L		0.0003	16-AUG-18
Lithium (Li)-Dissolved			<0.020		mg/L		0.02	16-AUG-18
Magnesium (Mg)-Dissolved			<1.0		mg/L		1	16-AUG-18
Manganese (Mn)-Dissolved			<0.00020		mg/L		0.0002	16-AUG-18
Molybdenum (Mo)-Dissolved			<0.0020		mg/L		0.002	16-AUG-18
Nickel (Ni)-Dissolved			<0.00050		mg/L		0.0005	16-AUG-18
Phosphorus (P)-Dissolved			<0.050		mg/L		0.05	16-AUG-18
Potassium (K)-Dissolved			<1.0		mg/L		1	16-AUG-18
Rhenium (Re)-Dissolved			<0.00050		mg/L		0.0005	16-AUG-18
Rubidium (Rb)-Dissolved			<0.0050		mg/L		0.005	16-AUG-18
Selenium (Se)-Dissolved			<0.0020		mg/L		0.002	16-AUG-18
Silicon (Si)-Dissolved			<1.0		mg/L		1	16-AUG-18
Sodium (Na)-Dissolved			<1.0		mg/L		1	16-AUG-18
Strontium (Sr)-Dissolved			<0.010		mg/L		0.01	16-AUG-18
Sulfur (S)-Dissolved			<5.0		mg/L		5	16-AUG-18
Tellurium (Te)-Dissolved			<0.00050		mg/L		0.0005	16-AUG-18
Thallium (Tl)-Dissolved			<0.000050		mg/L		0.00005	16-AUG-18
Thorium (Th)-Dissolved			<0.00050		mg/L		0.0005	16-AUG-18
Tin (Sn)-Dissolved			<0.0010		mg/L		0.001	16-AUG-18
Titanium (Ti)-Dissolved			<0.0050		mg/L		0.005	16-AUG-18
Tungsten (W)-Dissolved			<0.0010		mg/L		0.001	16-AUG-18
Uranium (U)-Dissolved			<0.000050		mg/L		0.00005	16-AUG-18
Vanadium (V)-Dissolved			<0.00050		mg/L		0.0005	16-AUG-18
Yttrium (Y)-Dissolved			<0.00050		mg/L		0.0005	16-AUG-18
Zinc (Zn)-Dissolved			<0.0030		mg/L		0.003	16-AUG-18
Zirconium (Zr)-Dissolved			<0.00050		mg/L		0.0005	16-AUG-18
WG2847227-4 MS		L2144572-1						
Aluminum (Al)-Dissolved			100.2		%		70-130	16-AUG-18
Antimony (Sb)-Dissolved			102.1		%		70-130	16-AUG-18
Arsenic (As)-Dissolved			94.8		%		70-130	16-AUG-18
Barium (Ba)-Dissolved			100.7		%		70-130	16-AUG-18
Beryllium (Be)-Dissolved			97.5		%		70-130	16-AUG-18
Bismuth (Bi)-Dissolved			91.5		%		70-130	16-AUG-18

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MET-D-L-HRMS-VA	Seawater							
Batch	R4175659							
WG2847227-4 MS		L2144572-1						
Boron (B)-Dissolved			93.2		%		70-130	16-AUG-18
Cadmium (Cd)-Dissolved			90.2		%		70-130	16-AUG-18
Calcium (Ca)-Dissolved			N/A	MS-B	%		-	16-AUG-18
Cesium (Cs)-Dissolved			94.5		%		70-130	16-AUG-18
Chromium (Cr)-Dissolved			90.2		%		70-130	16-AUG-18
Cobalt (Co)-Dissolved			94.8		%		70-130	16-AUG-18
Copper (Cu)-Dissolved			88.9		%		70-130	16-AUG-18
Gallium (Ga)-Dissolved			90.8		%		70-130	16-AUG-18
Iron (Fe)-Dissolved			90.3		%		70-130	16-AUG-18
Lead (Pb)-Dissolved			91.8		%		70-130	16-AUG-18
Lithium (Li)-Dissolved			100.4		%		70-130	16-AUG-18
Magnesium (Mg)-Dissolved			N/A	MS-B	%		-	16-AUG-18
Manganese (Mn)-Dissolved			94.2		%		70-130	16-AUG-18
Molybdenum (Mo)-Dissolved			105.0		%		70-130	16-AUG-18
Nickel (Ni)-Dissolved			92.4		%		70-130	16-AUG-18
Phosphorus (P)-Dissolved			93.3		%		70-130	16-AUG-18
Potassium (K)-Dissolved			80.8		%		70-130	16-AUG-18
Rhenium (Re)-Dissolved			100.0		%		70-130	16-AUG-18
Rubidium (Rb)-Dissolved			107.6		%		70-130	16-AUG-18
Selenium (Se)-Dissolved			90.0		%		70-130	16-AUG-18
Silver (Ag)-Dissolved			90.7		%		70-130	16-AUG-18
Sodium (Na)-Dissolved			N/A	MS-B	%		-	16-AUG-18
Strontium (Sr)-Dissolved			N/A	MS-B	%		-	16-AUG-18
Tellurium (Te)-Dissolved			99.97		%		70-130	16-AUG-18
Thallium (Tl)-Dissolved			89.2		%		70-130	16-AUG-18
Thorium (Th)-Dissolved			104.2		%		70-130	16-AUG-18
Tin (Sn)-Dissolved			97.0		%		70-130	16-AUG-18
Titanium (Ti)-Dissolved			98.4		%		70-130	16-AUG-18
Tungsten (W)-Dissolved			99.2		%		70-130	16-AUG-18
Uranium (U)-Dissolved			101.7		%		70-130	16-AUG-18
Vanadium (V)-Dissolved			97.0		%		70-130	16-AUG-18
Yttrium (Y)-Dissolved			101.2		%		70-130	16-AUG-18
Zinc (Zn)-Dissolved			89.3		%		70-130	16-AUG-18
Zirconium (Zr)-Dissolved			93.4		%		70-130	16-AUG-18



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MET-D-L-HRMS-VA		Seawater						
Batch	R4178616							
WG2847227-3	DUP	L2144572-2						
Aluminum (Al)-Dissolved		0.0071	0.0067		mg/L	5.6	20	17-AUG-18
Cadmium (Cd)-Dissolved		<0.000050	<0.000050	RPD-NA	mg/L	N/A	20	17-AUG-18
Lithium (Li)-Dissolved		0.037	0.035		mg/L	6.4	20	17-AUG-18
WG2847227-1	MB	LF						
Aluminum (Al)-Dissolved			<0.0050		mg/L		0.005	17-AUG-18
Silver (Ag)-Dissolved			<0.00010		mg/L		0.0001	17-AUG-18
MET-T-L-HRMS-VA		Seawater						
Batch	R4175659							
WG2846837-2	LCS							
Aluminum (Al)-Total			99.8		%		80-120	16-AUG-18
Antimony (Sb)-Total			106.7		%		80-120	16-AUG-18
Arsenic (As)-Total			95.6		%		80-120	16-AUG-18
Barium (Ba)-Total			96.4		%		80-120	16-AUG-18
Beryllium (Be)-Total			92.8		%		80-120	16-AUG-18
Bismuth (Bi)-Total			104.5		%		80-120	16-AUG-18
Boron (B)-Total			100.5		%		80-120	16-AUG-18
Cadmium (Cd)-Total			97.0		%		80-120	16-AUG-18
Calcium (Ca)-Total			96.7		%		80-120	16-AUG-18
Cesium (Cs)-Total			91.0		%		80-120	16-AUG-18
Chromium (Cr)-Total			92.4		%		80-120	16-AUG-18
Cobalt (Co)-Total			99.6		%		80-120	16-AUG-18
Copper (Cu)-Total			99.2		%		80-120	16-AUG-18
Gallium (Ga)-Total			102.4		%		80-120	16-AUG-18
Iron (Fe)-Total			101.9		%		80-120	16-AUG-18
Lead (Pb)-Total			108.0		%		80-120	16-AUG-18
Lithium (Li)-Total			107.2		%		80-120	16-AUG-18
Magnesium (Mg)-Total			99.1		%		80-120	16-AUG-18
Manganese (Mn)-Total			102.4		%		80-120	16-AUG-18
Molybdenum (Mo)-Total			93.6		%		80-120	16-AUG-18
Nickel (Ni)-Total			100.4		%		80-120	16-AUG-18
Phosphorus (P)-Total			96.1		%		80-120	16-AUG-18
Potassium (K)-Total			93.9		%		80-120	16-AUG-18
Rhenium (Re)-Total			97.7		%		80-120	16-AUG-18
Rubidium (Rb)-Total			101.0		%		80-120	16-AUG-18

Quality Control Report

Workorder: L2144572

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-T-L-HRMS-VA		Seawater						
Batch	R4175659							
WG2846837-2 LCS								
Selenium (Se)-Total			94.3		%		80-120	16-AUG-18
Silicon (Si)-Total			118.9		%		80-120	16-AUG-18
Silver (Ag)-Total			94.8		%		80-120	16-AUG-18
Sodium (Na)-Total			95.1		%		80-120	16-AUG-18
Strontium (Sr)-Total			97.6		%		80-120	16-AUG-18
Sulfur (S)-Total			110.8		%		70-130	16-AUG-18
Tellurium (Te)-Total			100.0		%		80-120	16-AUG-18
Thallium (Tl)-Total			99.3		%		80-120	16-AUG-18
Thorium (Th)-Total			104.0		%		80-120	16-AUG-18
Tin (Sn)-Total			97.6		%		80-120	16-AUG-18
Titanium (Ti)-Total			103.6		%		80-120	16-AUG-18
Tungsten (W)-Total			94.5		%		80-120	16-AUG-18
Uranium (U)-Total			101.2		%		80-120	16-AUG-18
Vanadium (V)-Total			100.8		%		80-120	16-AUG-18
Yttrium (Y)-Total			100.0		%		80-120	16-AUG-18
Zinc (Zn)-Total			97.2		%		80-120	16-AUG-18
Zirconium (Zr)-Total			90.9		%		80-120	16-AUG-18
WG2846837-1 MB								
Aluminum (Al)-Total			<0.0050		mg/L		0.005	16-AUG-18
Antimony (Sb)-Total			<0.00050		mg/L		0.0005	16-AUG-18
Arsenic (As)-Total			<0.0020		mg/L		0.002	16-AUG-18
Barium (Ba)-Total			<0.0010		mg/L		0.001	16-AUG-18
Beryllium (Be)-Total			<0.00050		mg/L		0.0005	16-AUG-18
Bismuth (Bi)-Total			<0.00050		mg/L		0.0005	16-AUG-18
Boron (B)-Total			<0.10		mg/L		0.1	16-AUG-18
Cadmium (Cd)-Total			<0.000050		mg/L		0.00005	16-AUG-18
Calcium (Ca)-Total			<1.0		mg/L		1	16-AUG-18
Cesium (Cs)-Total			<0.00050		mg/L		0.0005	16-AUG-18
Chromium (Cr)-Total			<0.00050		mg/L		0.0005	16-AUG-18
Cobalt (Co)-Total			<0.000050		mg/L		0.00005	16-AUG-18
Copper (Cu)-Total			<0.00050		mg/L		0.0005	16-AUG-18
Gallium (Ga)-Total			<0.00050		mg/L		0.0005	16-AUG-18
Iron (Fe)-Total			<0.010		mg/L		0.01	16-AUG-18
Lead (Pb)-Total			<0.00030		mg/L		0.0003	16-AUG-18



Quality Control Report

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-T-L-HRMS-VA								
	Seawater							
Batch	R4175659							
WG2846837-1 MB								
Lithium (Li)-Total			<0.020		mg/L		0.02	16-AUG-18
Magnesium (Mg)-Total			<1.0		mg/L		1	16-AUG-18
Manganese (Mn)-Total			<0.00020		mg/L		0.0002	16-AUG-18
Molybdenum (Mo)-Total			<0.0020		mg/L		0.002	16-AUG-18
Nickel (Ni)-Total			<0.00050		mg/L		0.0005	16-AUG-18
Phosphorus (P)-Total			<0.050		mg/L		0.05	16-AUG-18
Potassium (K)-Total			<1.0		mg/L		1	16-AUG-18
Rhenium (Re)-Total			<0.00050		mg/L		0.0005	16-AUG-18
Rubidium (Rb)-Total			<0.0050		mg/L		0.005	16-AUG-18
Selenium (Se)-Total			<0.0020		mg/L		0.002	16-AUG-18
Silicon (Si)-Total			<1.0		mg/L		1	16-AUG-18
Silver (Ag)-Total			<0.00010		mg/L		0.0001	16-AUG-18
Sodium (Na)-Total			<1.0		mg/L		1	16-AUG-18
Strontium (Sr)-Total			<0.010		mg/L		0.01	16-AUG-18
Sulfur (S)-Total			<5.0		mg/L		5	16-AUG-18
Tellurium (Te)-Total			<0.00050		mg/L		0.0005	16-AUG-18
Thallium (Tl)-Total			<0.000050		mg/L		0.00005	16-AUG-18
Thorium (Th)-Total			<0.00050		mg/L		0.0005	16-AUG-18
Tin (Sn)-Total			<0.0010		mg/L		0.001	16-AUG-18
Titanium (Ti)-Total			<0.0050		mg/L		0.005	16-AUG-18
Tungsten (W)-Total			<0.0010		mg/L		0.001	16-AUG-18
Uranium (U)-Total			<0.000050		mg/L		0.00005	16-AUG-18
Vanadium (V)-Total			<0.00050		mg/L		0.0005	16-AUG-18
Yttrium (Y)-Total			<0.00050		mg/L		0.0005	16-AUG-18
Zinc (Zn)-Total			<0.0030		mg/L		0.003	16-AUG-18
Zirconium (Zr)-Total			<0.00050		mg/L		0.0005	16-AUG-18
WG2846837-4 MS		L2144572-3						
Aluminum (Al)-Total			95.8		%		70-130	16-AUG-18
Antimony (Sb)-Total			103.1		%		70-130	16-AUG-18
Arsenic (As)-Total			93.8		%		70-130	16-AUG-18
Barium (Ba)-Total			104.2		%		70-130	16-AUG-18
Beryllium (Be)-Total			99.5		%		70-130	16-AUG-18
Bismuth (Bi)-Total			90.9		%		70-130	16-AUG-18
Boron (B)-Total			94.2		%		70-130	16-AUG-18

Quality Control Report

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Report Date: 27-AUG-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-T-L-HRMS-VA								
	Seawater							
Batch	R4175659							
WG2846837-4 MS		L2144572-3						
Cadmium (Cd)-Total			92.0		%		70-130	16-AUG-18
Calcium (Ca)-Total			N/A	MS-B	%		-	16-AUG-18
Cesium (Cs)-Total			97.3		%		70-130	16-AUG-18
Chromium (Cr)-Total			90.0		%		70-130	16-AUG-18
Cobalt (Co)-Total			87.0		%		70-130	16-AUG-18
Copper (Cu)-Total			83.7		%		70-130	16-AUG-18
Gallium (Ga)-Total			85.0		%		70-130	16-AUG-18
Iron (Fe)-Total			87.6		%		70-130	16-AUG-18
Lead (Pb)-Total			89.9		%		70-130	16-AUG-18
Lithium (Li)-Total			105.5		%		70-130	16-AUG-18
Magnesium (Mg)-Total			N/A	MS-B	%		-	16-AUG-18
Manganese (Mn)-Total			89.2		%		70-130	16-AUG-18
Molybdenum (Mo)-Total			109.9		%		70-130	16-AUG-18
Nickel (Ni)-Total			85.4		%		70-130	16-AUG-18
Phosphorus (P)-Total			86.5		%		70-130	16-AUG-18
Potassium (K)-Total			75.8		%		70-130	16-AUG-18
Rhenium (Re)-Total			97.2		%		70-130	16-AUG-18
Rubidium (Rb)-Total			109.5		%		70-130	16-AUG-18
Selenium (Se)-Total			86.8		%		70-130	16-AUG-18
Silver (Ag)-Total			91.0		%		70-130	16-AUG-18
Sodium (Na)-Total			N/A	MS-B	%		-	16-AUG-18
Strontium (Sr)-Total			N/A	MS-B	%		-	16-AUG-18
Tellurium (Te)-Total			104.0		%		70-130	16-AUG-18
Thallium (Tl)-Total			87.2		%		70-130	16-AUG-18
Thorium (Th)-Total			104.4		%		70-130	16-AUG-18
Tin (Sn)-Total			99.0		%		70-130	16-AUG-18
Titanium (Ti)-Total			93.8		%		70-130	16-AUG-18
Tungsten (W)-Total			98.2		%		70-130	16-AUG-18
Uranium (U)-Total			99.4		%		70-130	16-AUG-18
Vanadium (V)-Total			92.2		%		70-130	16-AUG-18
Yttrium (Y)-Total			103.3		%		70-130	16-AUG-18
Zinc (Zn)-Total			82.1		%		70-130	16-AUG-18
Zirconium (Zr)-Total			97.4		%		70-130	16-AUG-18

NH3-F-VA

Seawater

Quality Control Report

Workorder: L2144572

Report Date: 27-AUG-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
NH3-F-VA		Seawater						
Batch	R4167288							
WG2846701-2	LCS							
Ammonia, Total (as N)			97.4		%		85-115	13-AUG-18
WG2846701-1	MB							
Ammonia, Total (as N)			<0.0050		mg/L		0.005	13-AUG-18
PH-C-PCT-VA		Seawater						
Batch	R4165554							
WG2846491-2	CRM	VA-PH7-BUF						
pH			7.01		pH		6.9-7.1	11-AUG-18
WG2846491-5	DUP	L2144572-1						
pH		8.09	8.10	J	pH	0.01	0.3	11-AUG-18
TKN-C-F-VA		Seawater						
Batch	R4169336							
WG2848376-3	DUP	L2144572-1						
Total Kjeldahl Nitrogen		0.081	0.081		mg/L	0.3	20	14-AUG-18
WG2848376-2	LCS							
Total Kjeldahl Nitrogen			102.9		%		75-125	14-AUG-18
WG2848376-1	MB							
Total Kjeldahl Nitrogen			<0.050		mg/L		0.05	14-AUG-18
WG2848376-4	MS	L2144572-2						
Total Kjeldahl Nitrogen			103.4		%		70-130	14-AUG-18
TSS-C-VA		Seawater						
Batch	R4169024							
WG2848433-2	LCS							
Total Suspended Solids			98.1		%		85-115	14-AUG-18
WG2848433-1	MB							
Total Suspended Solids			<2.0		mg/L		2	14-AUG-18
TURBIDITY-C-VA		Seawater						
Batch	R4163250							
WG2846247-2	CRM	VA-FORM-40						
Turbidity			100.5		%		85-115	10-AUG-18
WG2846247-3	DUP	L2144572-1						
Turbidity		0.55	0.59		NTU	8.3	15	10-AUG-18
WG2846247-1	MB							
Turbidity			<0.10		NTU		0.1	10-AUG-18

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Workorder: L2144572

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Legend:

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

Sample Parameter Qualifier Definitions:

Qualifier	Description
J	Duplicate results and limits are expressed in terms of absolute difference.
MES	Data Quality Objective was marginally exceeded (by < 10% absolute) for < 10% of analytes in a Multi-Element Scan / Multi-Parameter Scan (considered acceptable as per OMOE & CCME).
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

Quality Control Report

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Hold Time Exceedances:

ALS Product Description	Sample ID	Sampling Date	Date Processed	Rec. HT	Actual HT	Units	Qualifier
Physical Tests							
pH by Meter (Automated) (seawater)							
	1	07-AUG-18 17:30	11-AUG-18 11:00	0.25	90	hours	EHTR-FM
	2	07-AUG-18 17:20	11-AUG-18 11:00	0.25	90	hours	EHTR-FM
	3	07-AUG-18 17:00	11-AUG-18 11:00	0.25	90	hours	EHTR-FM
	4	07-AUG-18 17:10	11-AUG-18 11:00	0.25	90	hours	EHTR-FM
Bacteriological Tests							
Fecal coliform by membrane filtration							
	1	07-AUG-18 17:30	10-AUG-18 15:00	30	70	hours	EHTR
	2	07-AUG-18 17:20	10-AUG-18 15:00	30	70	hours	EHTR
	3	07-AUG-18 17:00	10-AUG-18 15:00	30	70	hours	EHTR
	4	07-AUG-18 17:10	10-AUG-18 15:00	30	70	hours	EHTR

Legend & Qualifier Definitions:

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

Notes*:

Where actual sampling date is not provided to ALS, the date (& time) of receipt is used for calculation purposes.
Where actual sampling time is not provided to ALS, the earlier of 12 noon on the sampling date or the time (& date) of receipt is used for calculation purposes. Samples for L2144572 were received on 10-AUG-18 09:15.

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

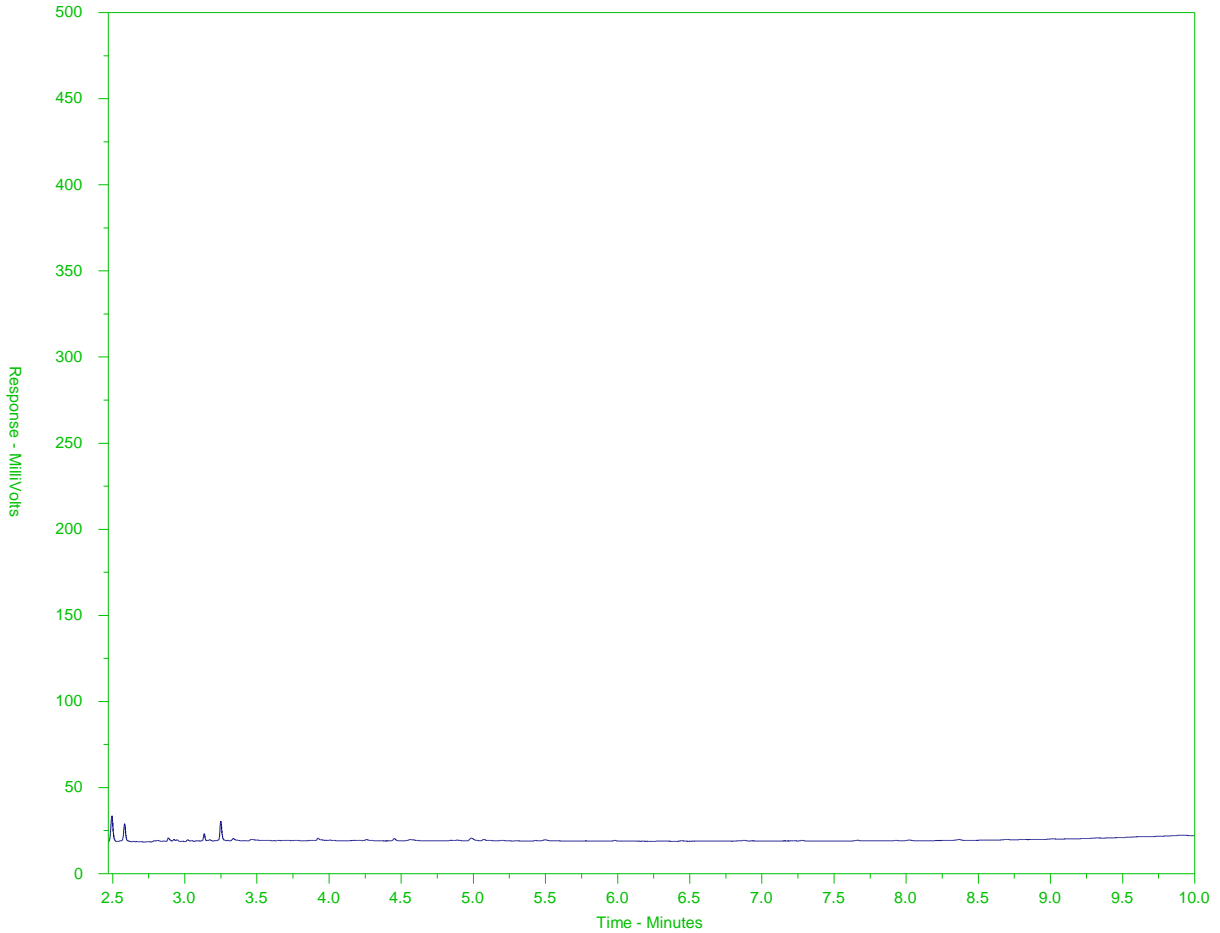
The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide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

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

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2144572-1
 Client Sample ID: SOURCE



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →		← Motor Oils/ Lube Oils/ Grease →	
← Diesel/ Jet Fuels →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

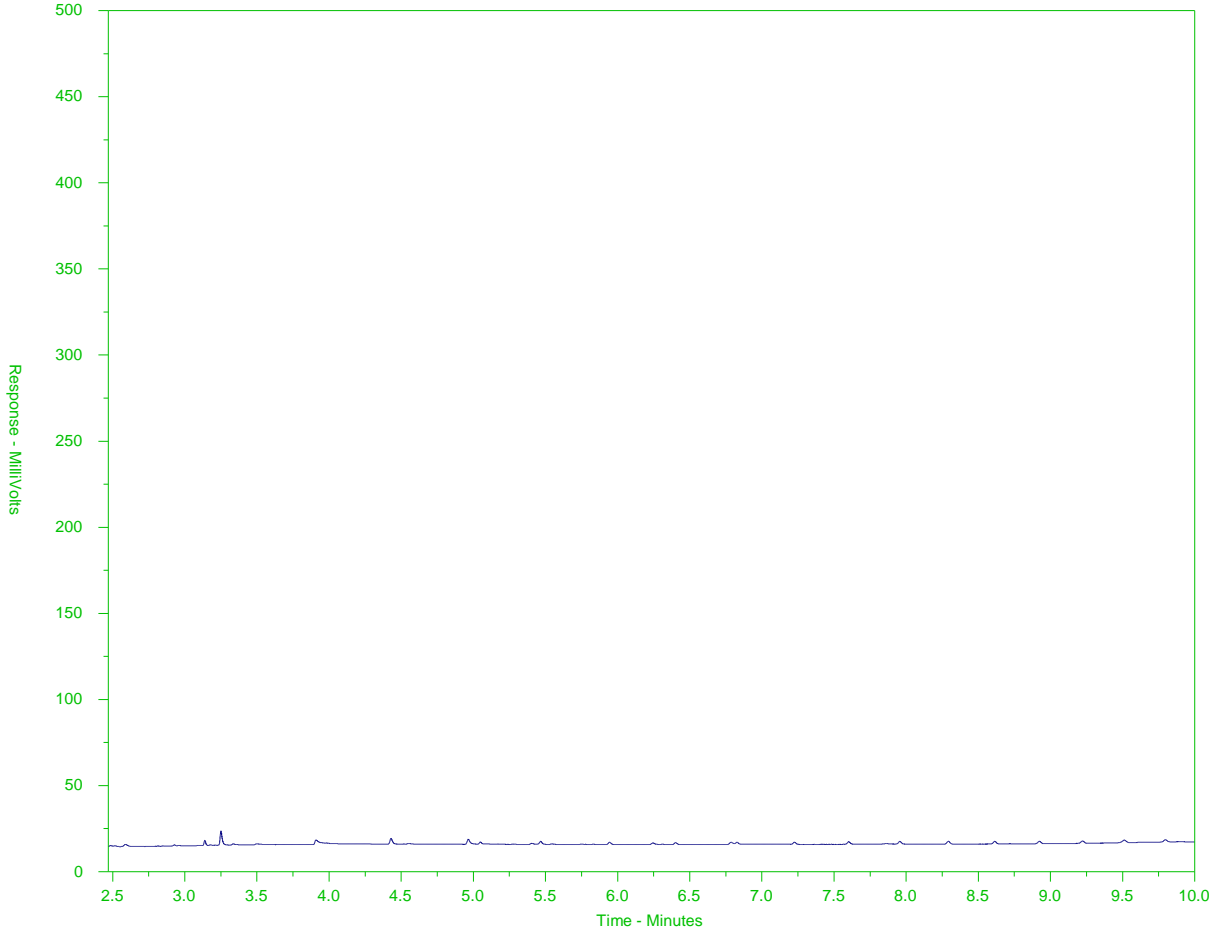
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2144572-2
 Client Sample ID: WNW



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →	← Motor Oils/ Lube Oils/ Grease →		
← Diesel/ Jet Fuels →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

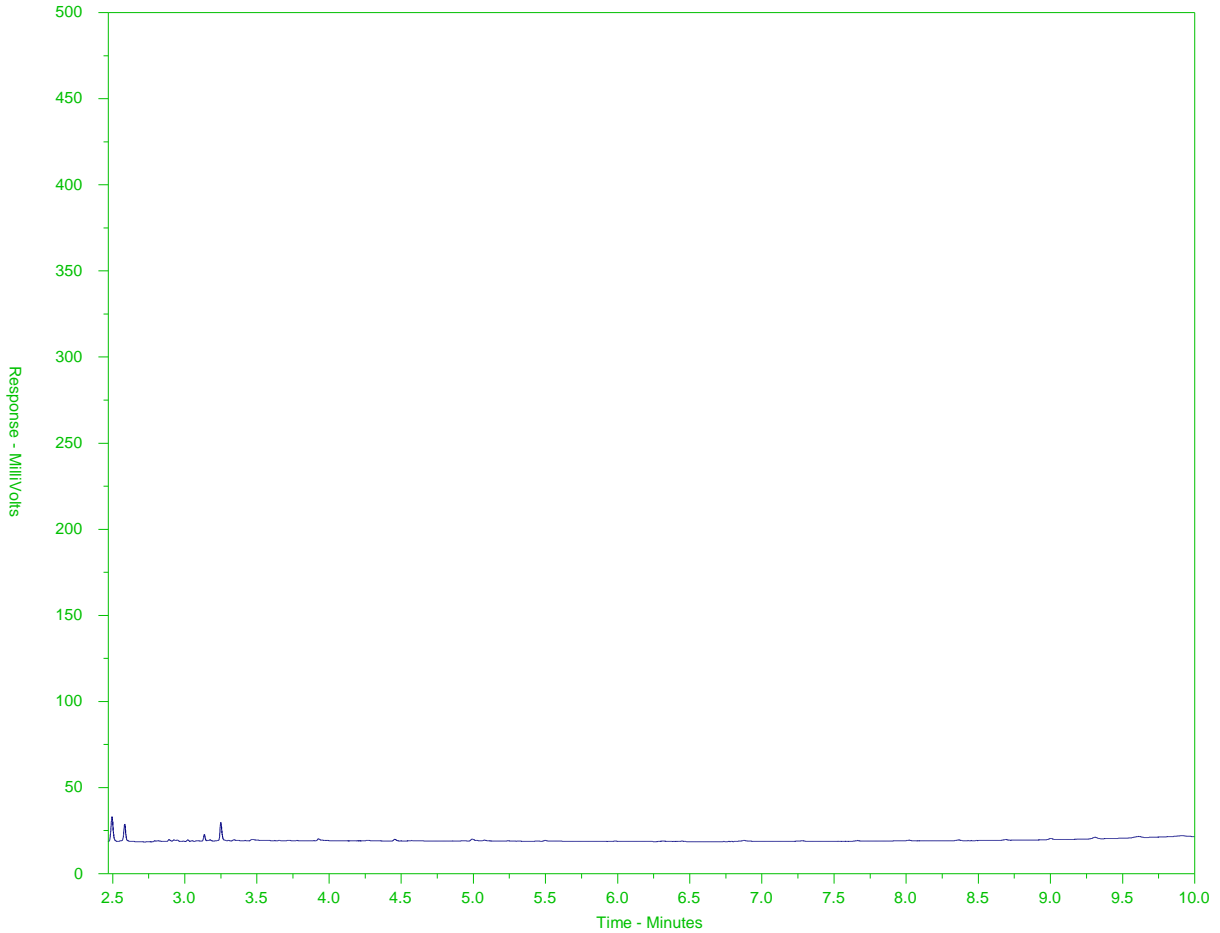
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2144572-3
 Client Sample ID: NORTH



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →		← Motor Oils/ Lube Oils/ Grease →	
← Diesel/ Jet Fuels →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

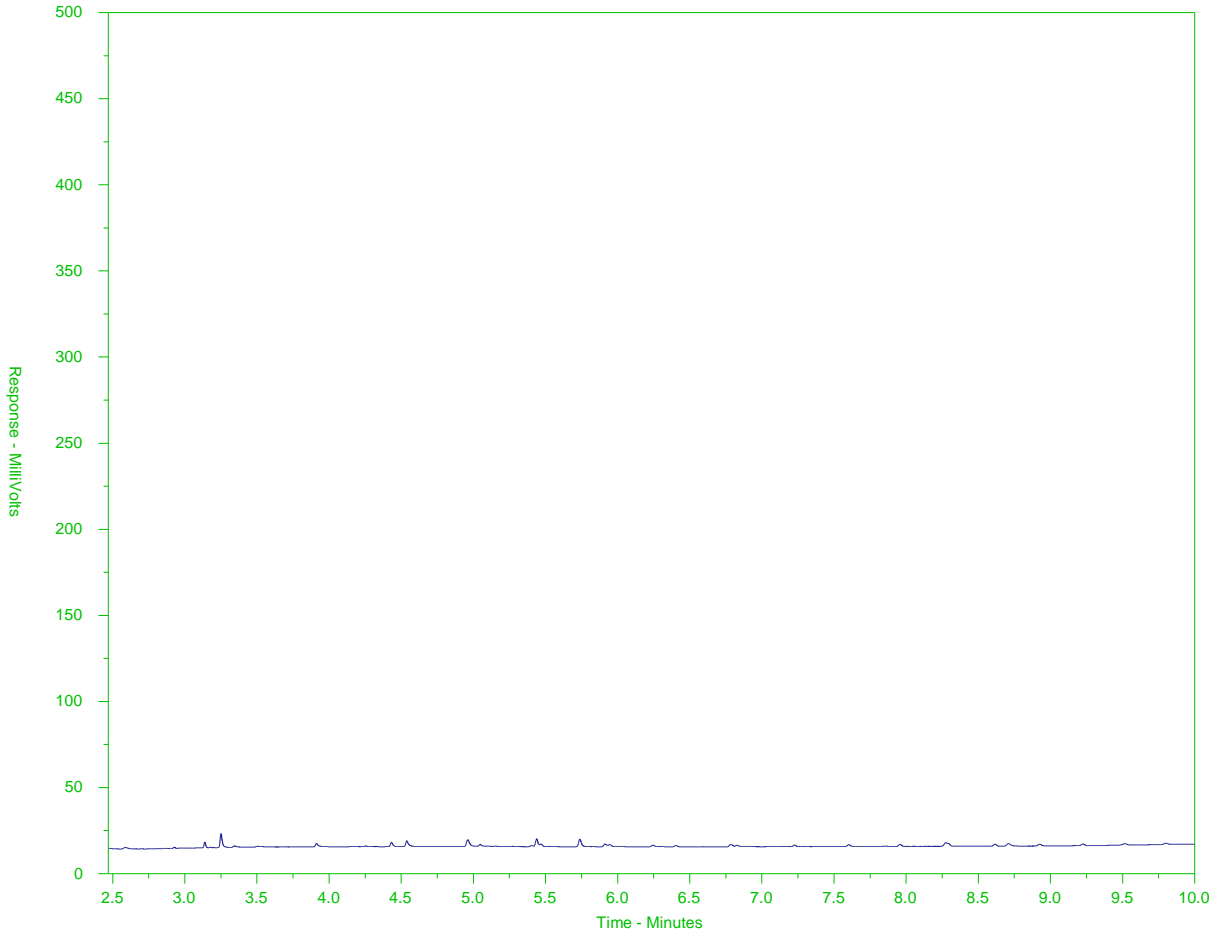
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2144572-4
 Client Sample ID: ENE



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →	← Motor Oils/ Lube Oils/ Grease →		
← Diesel/ Jet Fuels →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.



GOLDER ASSOCIATES LTD.
ATTN: John Sherrin
3795 Carey Road, Second Floor
Victoria BC V8Z 6T8

Date Received: 17-AUG-18
Report Date: 25-AUG-18 10:26 (MT)
Version: FINAL

Client Phone: 250-881-7372

Certificate of Analysis

Lab Work Order #: L2148896
Project P.O. #: NOT SUBMITTED
Job Reference: 1663724/14000/3
C of C Numbers:
Legal Site Desc:

Comments: ADDITIONAL 24-AUG-18 13:06

Amber Springer, B.Sc
Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ADDRESS: 8081 Lougheed Hwy, Suite 100, Burnaby, BC V5A 1W9 Canada | Phone: +1 604 253 4188 | Fax: +1 604 253 6700
ALS CANADA LTD Part of the ALS Group An ALS Limited Company

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID		L2148896-1 Seawater 14-AUG-18 SOURCE	L2148896-2 Seawater 14-AUG-18 WNW	L2148896-3 Seawater 14-AUG-18 NORTH	L2148896-4 Seawater 14-AUG-18 ENE	L2148896-5 Seawater 14-AUG-18 DUP-B
Grouping	Analyte					
SEAWATER						
Physical Tests	Conductivity (uS/cm)	9630	10100	9970	9690	10100
	Hardness (as CaCO3) (mg/L)	932	926	928	876	1010
	pH (pH)	8.08	8.07	8.07	8.09	8.07
	Salinity (psu)	5.4	5.6	5.6	5.4	5.7
	Total Suspended Solids (mg/L)	2.2	<2.0	<2.0	<2.0	<2.0
	Turbidity (NTU)	0.88	0.65	0.50	0.66	0.60
Anions and Nutrients	Alkalinity, Total (as CaCO3) (mg/L)	89.0	84.9	84.7	90.2	85.2
	Ammonia, Total (as N) (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	Bromide (Br) (mg/L)	10.4	10.1	10.5	10.4	10.3
	Chloride (Cl) (mg/L)	2950	3050	3080	2950	3070
	Fluoride (F) (mg/L)	<1.0	<1.0	<1.0	<1.0	<1.0
	Nitrate (as N) (mg/L)	<0.50	<0.50	<0.50	<0.50	<0.50
	Nitrite (as N) (mg/L)	<0.10	<0.10	<0.10	<0.10	<0.10
	Total Kjeldahl Nitrogen (mg/L)	0.129	0.105	0.084	0.105	0.145
	Sulfate (SO4) (mg/L)	396	410	411	398	420
Organic / Inorganic Carbon	Total Organic Carbon (mg/L)	1.45	1.12	1.02	1.35	1.14
Total Metals	Aluminum (Al)-Total (mg/L)	0.0213	0.0129	0.0124	0.0186	0.0143
	Antimony (Sb)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Arsenic (As)-Total (mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
	Barium (Ba)-Total (mg/L)	0.0047	0.0046	0.0046	0.0046	0.0048
	Beryllium (Be)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Bismuth (Bi)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Boron (B)-Total (mg/L)	0.74	0.76	0.74	0.71	0.74
	Cadmium (Cd)-Total (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Calcium (Ca)-Total (mg/L)	75.8	86.0	77.6	78.3	82.3
	Cesium (Cs)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Chromium (Cr)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Cobalt (Co)-Total (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Copper (Cu)-Total (mg/L)	0.00052	<0.00050	0.00053	0.00054	0.00051
	Gallium (Ga)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Iron (Fe)-Total (mg/L)	0.026	0.018	0.017	0.020	0.023
	Lead (Pb)-Total (mg/L)	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
	Lithium (Li)-Total (mg/L)	0.027	0.030	0.029	0.027	0.029
	Magnesium (Mg)-Total (mg/L)	178	189	185	188	192
	Manganese (Mn)-Total (mg/L)	0.00366	0.00094	0.00079	0.00106	0.00095
	Mercury (Hg)-Total (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010

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

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Sample ID Description Sampled Date Sampled Time Client ID		L2148896-1 Seawater 14-AUG-18 SOURCE	L2148896-2 Seawater 14-AUG-18 WNW	L2148896-3 Seawater 14-AUG-18 NORTH	L2148896-4 Seawater 14-AUG-18 ENE	L2148896-5 Seawater 14-AUG-18 DUP-B
Grouping	Analyte					
SEAWATER						
Total Metals	Molybdenum (Mo)-Total (mg/L)	0.0020	<0.0020	<0.0020	<0.0020	<0.0020
	Nickel (Ni)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Phosphorus (P)-Total (mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050
	Potassium (K)-Total (mg/L)	48.8	58.0	50.8	53.7	53.3
	Rhenium (Re)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Rubidium (Rb)-Total (mg/L)	0.0173	0.0184	0.0173	0.0171	0.0182
	Selenium (Se)-Total (mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
	Silicon (Si)-Total (mg/L)	<1.0	<1.0	<1.0	<1.0	<1.0
	Silver (Ag)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Sodium (Na)-Total (mg/L)	1410	1590	1430	1440	1550
	Strontium (Sr)-Total (mg/L)	1.21	1.20	1.19	1.14	1.30
	Sulfur (S)-Total (mg/L)	137	142	140	143	174
	Tellurium (Te)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Thallium (Tl)-Total (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Thorium (Th)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Tin (Sn)-Total (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Titanium (Ti)-Total (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	Tungsten (W)-Total (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Uranium (U)-Total (mg/L)	0.00214	0.00124	0.00115	0.00193	0.00130
	Vanadium (V)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Yttrium (Y)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Zinc (Zn)-Total (mg/L)	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
	Zirconium (Zr)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Dissolved Metals	Dissolved Mercury Filtration Location	LAB	LAB	LAB	LAB	LAB
	Dissolved Metals Filtration Location	LAB	LAB	LAB	LAB	LAB
	Aluminum (Al)-Dissolved (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	Antimony (Sb)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Arsenic (As)-Dissolved (mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
	Barium (Ba)-Dissolved (mg/L)	0.0045	0.0044	0.0047	0.0040	0.0043
	Beryllium (Be)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Bismuth (Bi)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Boron (B)-Dissolved (mg/L)	0.69	0.76	0.70	0.67	0.71
	Cadmium (Cd)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Calcium (Ca)-Dissolved (mg/L)	77.7	74.6	74.8	77.1	83.5
	Cesium (Cs)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Chromium (Cr)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Cobalt (Co)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050

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

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Sample ID Description Sampled Date Sampled Time Client ID	L2148896-1 Seawater 14-AUG-18 SOURCE	L2148896-2 Seawater 14-AUG-18 WNW	L2148896-3 Seawater 14-AUG-18 NORTH	L2148896-4 Seawater 14-AUG-18 ENE	L2148896-5 Seawater 14-AUG-18 DUP-B
Grouping	Analyte				
SEAWATER					
Dissolved Metals	Copper (Cu)-Dissolved (mg/L)	0.00051	<0.00050	<0.00050	<0.00050
	Gallium (Ga)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Iron (Fe)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010
	Lead (Pb)-Dissolved (mg/L)	<0.00030	<0.00030	<0.00030	<0.00030
	Lithium (Li)-Dissolved (mg/L)	0.028	0.029	0.027	0.028
	Magnesium (Mg)-Dissolved (mg/L)	179	180	180	166
	Manganese (Mn)-Dissolved (mg/L)	0.00287	0.00059	0.00081	0.00054
	Mercury (Hg)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Molybdenum (Mo)-Dissolved (mg/L)	<0.0020	<0.0020	<0.0020	<0.0020
	Nickel (Ni)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Phosphorus (P)-Dissolved (mg/L)	<0.050	<0.050	<0.050	<0.050
	Potassium (K)-Dissolved (mg/L)	51	52	49	49
	Rhenium (Re)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Rubidium (Rb)-Dissolved (mg/L)	0.0172	0.0176	0.0172	0.0161
	Selenium (Se)-Dissolved (mg/L)	<0.0020	<0.0020	<0.0020	<0.0020
	Silicon (Si)-Dissolved (mg/L)	<1.0	<1.0	<1.0	<1.0
	Silver (Ag)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010
	Sodium (Na)-Dissolved (mg/L)	1450	1390	1370	1420
	Strontium (Sr)-Dissolved (mg/L)	1.21	1.18	1.13	1.09
	Sulfur (S)-Dissolved (mg/L)	137	145	137	134
	Tellurium (Te)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Thallium (Tl)-Dissolved (mg/L)	0.000057	0.000051	0.000051	<0.000050
	Thorium (Th)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Tin (Sn)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010
	Titanium (Ti)-Dissolved (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050
	Tungsten (W)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010
	Uranium (U)-Dissolved (mg/L)	0.00210	0.00131	0.00122	0.00207
	Vanadium (V)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Yttrium (Y)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Zinc (Zn)-Dissolved (mg/L)	<0.0030	<0.0030	<0.0030	<0.0030
	Zirconium (Zr)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID	L2148896-1 Seawater 14-AUG-18 SOURCE	L2148896-2 Seawater 14-AUG-18 WNW	L2148896-3 Seawater 14-AUG-18 NORTH	L2148896-4 Seawater 14-AUG-18 ENE	L2148896-5 Seawater 14-AUG-18 DUP-B	
Grouping	Analyte					
WATER						
Bacteriological Tests	Coliform Bacteria - Fecal (CFU/100mL)	<1 ^{PEHR}	<1 ^{PEHR}	<1 ^{PEHR}	<1 ^{PEHR}	<1 ^{PEHR}
Hydrocarbons	EPH10-19 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	EPH19-32 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	LEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	HEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	Surrogate: 2-Bromobenzotrifluoride (%)	104.8	118.7	121.7	110.6	119.0
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Acenaphthylene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Acridine (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Anthracene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Benz(a)anthracene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Benzo(a)pyrene (mg/L)	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
	Benzo(b&j)fluoranthene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Benzo(b+j+k)fluoranthene (mg/L)	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
	Benzo(g,h,i)perylene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Benzo(k)fluoranthene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Chrysene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Dibenz(a,h)anthracene (mg/L)	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
	Fluoranthene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Fluorene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Indeno(1,2,3-c,d)pyrene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	1-Methylnaphthalene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	2-Methylnaphthalene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Naphthalene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Phenanthrene (mg/L)	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
	Pyrene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Quinoline (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Surrogate: Acridine d9 (%)	85.5	84.0	85.0	79.8	96.2
	Surrogate: Chrysene d12 (%)	82.0	77.5	75.1	73.9	100.1
	Surrogate: Naphthalene d8 (%)	94.9	92.5	89.8	79.9	108.4
	Surrogate: Phenanthrene d10 (%)	97.2	94.6	92.6	83.5	108.1

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

Reference Information

QC Samples with Qualifiers & Comments:

QC Type Description	Parameter	Qualifier	Applies to Sample Number(s)
Matrix Spike	Bromide (Br)	MS-B	L2148896-1, -2, -3, -4, -5
Matrix Spike	Chloride (Cl)	MS-B	L2148896-1, -2, -3, -4, -5
Matrix Spike	Sulfate (SO4)	MS-B	L2148896-1, -2, -3, -4, -5
Matrix Spike	Magnesium (Mg)-Dissolved	MS-B	L2148896-1, -2, -3, -4, -5
Matrix Spike	Sodium (Na)-Dissolved	MS-B	L2148896-1, -2, -3, -4, -5
Matrix Spike	Strontium (Sr)-Dissolved	MS-B	L2148896-1, -2, -3, -4, -5
Matrix Spike	Magnesium (Mg)-Total	MS-B	L2148896-1, -2, -3, -4, -5
Matrix Spike	Sodium (Na)-Total	MS-B	L2148896-1, -2, -3, -4, -5
Matrix Spike	Strontium (Sr)-Total	MS-B	L2148896-1, -2, -3, -4, -5

Qualifiers for Individual Parameters Listed:

Qualifier	Description
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.
PEHR	Parameter Exceeded Recommended Holding Time On Receipt: Proceed With Analysis As Requested.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
ALK-TITR-VA	Seawater	Alkalinity Spec by Titration (Seawater)	APHA 2320 Alkalinity
This analysis is carried out using procedures adapted from APHA Method 2320 "Alkalinity". Total alkalinity is determined by potentiometric titration to a pH 4.5 endpoint. Bicarbonate, carbonate and hydroxide alkalinity are calculated from phenolphthalein alkalinity and total alkalinity values.			
ANIONS-C-BR-IC-VA	Seawater	Bromide by IC (seawater)	EPA 300.1 (mod)
This analysis is carried out using procedures adapted from APHA Method 4110 B. "Ion Chromatography with Chemical Suppression of Eluent Conductivity" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography".			
ANIONS-C-CL-IC-VA	Seawater	Chloride by IC (seawater)	EPA 300.1 (mod)
This analysis is carried out using procedures adapted from APHA Method 4110 B. "Ion Chromatography with Chemical Suppression of Eluent Conductivity" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography".			
ANIONS-C-F-IC-VA	Seawater	Fluoride by IC (seawater)	EPA 300.1 (mod)
This analysis is carried out using procedures adapted from APHA Method 4110 B. "Ion Chromatography with Chemical Suppression of Eluent Conductivity" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography".			
ANIONS-C-NO2-IC-VA	Seawater	Nitrite in Seawater by IC	EPA 300.1 (mod)
This analysis is carried out using procedures adapted from EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography". Nitrite is detected by UV absorbance.			
ANIONS-C-NO3-IC-VA	Seawater	Nitrate in Seawater by IC	EPA 300.1 (mod)
This analysis is carried out using procedures adapted from EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography". Nitrate is detected by UV absorbance.			
ANIONS-C-SO4-IC-VA	Seawater	Sulfate by IC (seawater)	EPA 300.1 (mod)
This analysis is carried out using procedures adapted from APHA Method 4110 B. "Ion Chromatography with Chemical Suppression of Eluent Conductivity" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography".			
CARBONS-C-TOC-VA	Seawater	TOC by combustion (seawater)	APHA 5310B TOTAL ORGANIC CARBON (TOC)
This analysis is carried out using procedures adapted from APHA Method 5310 "Total Organic Carbon (TOC)".			
EC-C-PCT-VA	Seawater	Conductivity (Automated) (seawater)	APHA 2510 Auto. Conduc.
This analysis is carried out using procedures adapted from APHA Method 2510 "Conductivity". Conductivity is determined using a conductivity electrode.			
EC-SCREEN-VA	Seawater	Conductivity Screen (Internal Use Only)	APHA 2510
Qualitative analysis of conductivity where required during preparation of other tests - e.g. TDS, metals, etc.			
EPH-ME-FID-VA	Water	EPH in Water	BC Lab Manual
EPH is extracted from water using a hexane micro-extraction technique, with analysis by GC-FID, as per the BC Lab Manual. EPH results include PAHs and are therefore not equivalent to LEPH or HEPH.			
FCOLI-MF-ENV-VA	Water	Fecal coliform by membrane filtration	APHA METHOD 9222
This analysis is carried out using procedures adapted from APHA Method 9222 "Membrane Filter Technique for Members of the Coliform Group". Coliform bacteria is enumerated by culturing and colony counting. A known sample volume is filtered through a 0.45 micron membrane filter. The test involves an initial 24 hour incubation of the filter with the appropriate growth medium, positive results require further testing (up to an additional 48 hours) to confirm and quantify the total coliform. This method is used for non-turbid water with a low background bacteria level.			
HARDNESS-CALC-VA	Seawater	Hardness	APHA 2340B

Reference Information

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

HG-DIS-C-CVAFS-VA Seawater Diss. Mercury in Seawater by CVAFS PUGET SOUND PROTOCOLS, EPA 245.7

This analysis is carried out using procedures adapted from "Recommended Guidelines for Measuring Metals in Puget Sound Marine Water, Sediment, and Tissue Samples" prepared for the United States Environmental Protection Agency and the Puget Sound Water Quality Authority, 1995. The procedures may involve preliminary sample treatment by filtration (EPA Method 3005A) and involves a cold-oxidation of the acidified seawater sample using bromine monochloride prior to reduction of the sample with stannous chloride. Instrumental analysis is by cold vapour atomic fluorescence spectrophotometry or atomic absorption spectrophotometry (EPA Method 245.7).

HG-TOT-C-CVAFS-VA Seawater Total Mercury in Seawater by CVAFS PUGET SOUND PROTOCOLS, EPA 245.7

This analysis is carried out using procedures adapted from "Recommended Guidelines for Measuring Metals in Puget Sound Marine Water, Sediment, and Tissue Samples" prepared for the United States Environmental Protection Agency and the Puget Sound Water Quality Authority, 1995. The procedure involves a cold-oxidation of the acidified seawater sample using bromine monochloride prior to reduction of the sample with stannous chloride. Instrumental analysis is by cold vapour atomic fluorescence spectrophotometry or atomic absorption spectrophotometry (EPA Method 245.7).

LEPH/HEPH-CALC-VA Water LEPHs and HEPHs BC MOE LEPH/HEPH

LEPHw and HEPHw are measures of Light and Heavy Extractable Petroleum Hydrocarbons in water. Results are calculated by subtraction of applicable PAH concentrations from EPH10-19 and EPH19-32, as per the BC Lab Manual LEPH/HEPH calculation procedure.

LEPHw = EPH10-19 minus Acenaphthene, Acridine, Anthracene, Fluorene, Naphthalene and Phenanthrene.

HEPH = EPH19-32 minus Benz(a)anthracene, Benzo(a)pyrene, Fluoranthene, and Pyrene.

MET-D-L-HRMS-VA Seawater Diss. Metals in Seawater by HR-ICPMS EPA 200.8

Trace metals in seawater are analyzed by high resolution inductively coupled plasma mass spectrometry (HR-ICPMS) based on US EPA Method 200.8, (Revision 5.5). The procedures may involve laboratory sample filtration based on APHA Method 3030B.

MET-T-L-HRMS-VA Seawater Tot. Metals in Seawater by HR-ICPMS EPA 200.8

Trace metals in seawater are analyzed by high resolution inductively coupled plasma mass spectrometry (HR-ICPMS) based on US EPA Method 200.8, (Revision 5.5). The procedures may involve preliminary sample treatment by acid digestion based on APHA Method 3030E.

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

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

PAH-ME-MS-VA Water PAHs in Water EPA 3511/8270D (mod)

PAHs are extracted from water using a hexane micro-extraction technique, with analysis by GC/MS. Because the two isomers cannot be readily separated chromatographically, benzo(j)fluoranthene is reported as part of the benzo(b)fluoranthene parameter.

PH-C-PCT-VA Seawater pH by Meter (Automated) (seawater) APHA 4500-H pH Value

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

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

SALINITY-CALC-VA Seawater Salinity by conductivity meter APHA 2520B

Salinity is determined by the APHA 2520B Electrical Conductivity Method. Salinity is a unitless parameter that is roughly equivalent to grams per Litre. ALS applies the unit of psu (practical salinity unit) to indicate that salinity values are derived from the Practical Salinity Scale.

TKN-C-F-VA Seawater TKN in Seawater by Fluorescence APHA 4500-NORG D.

This analysis is carried out using procedures adapted from APHA Method 4500-Norg D. "Block Digestion and Flow Injection Analysis". Total Kjeldahl Nitrogen is determined using block digestion followed by Flow-injection analysis with fluorescence detection.

TSS-C-VA Seawater Total Suspended Solids by Gravimetric APHA 2540 D

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

TURBIDITY-C-VA Seawater Turbidity by Meter in Seawater APHA 2130 Turbidity

This analysis is carried out using procedures adapted from APHA Method 2130 "Turbidity". Turbidity is determined by the nephelometric method.

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

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

Laboratory Definition Code	Laboratory Location
VA	ALS ENVIRONMENTAL - VANCOUVER, BRITISH COLUMBIA, CANADA

Chain of Custody Numbers:

Reference Information

GLOSSARY OF REPORT TERMS

Surrogate - A compound that is similar in behaviour to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

mg/kg - milligrams per kilogram based on dry weight of sample.

mg/kg wwt - milligrams per kilogram based on wet weight of sample.

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight of sample.

mg/L - milligrams per litre.

< - Less than.

D.L. - The reported Detection Limit, also known as the Limit of Reporting (LOR).

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.



Quality Control Report

Workorder: L2148896

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Client: GOLDER ASSOCIATES LTD.
3795 Carey Road, Second Floor
Victoria BC V8Z 6T8

Contact: John Sherrin

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
EPH-ME-FID-VA		Water						
Batch	R4179544							
WG2856364-2	LCS							
EPH10-19			99.5		%		70-130	22-AUG-18
EPH19-32			97.4		%		70-130	22-AUG-18
WG2856364-1	MB							
EPH10-19			<0.25		mg/L		0.25	22-AUG-18
EPH19-32			<0.25		mg/L		0.25	22-AUG-18
Surrogate: 2-Bromobenzotrifluoride			107.4		%		60-140	22-AUG-18
FCOLI-MF-ENV-VA		Water						
Batch	R4176419							
WG2852252-2	MB							
Coliform Bacteria - Fecal			<1		CFU/100mL		1	17-AUG-18
PAH-ME-MS-VA		Water						
Batch	R4179958							
WG2856364-2	LCS							
Acenaphthene			88.3		%		60-130	23-AUG-18
Acenaphthylene			91.5		%		60-130	23-AUG-18
Acridine			87.8		%		60-130	23-AUG-18
Anthracene			98.7		%		60-130	23-AUG-18
Benz(a)anthracene			95.5		%		60-130	23-AUG-18
Benzo(a)pyrene			94.6		%		60-130	23-AUG-18
Benzo(b&j)fluoranthene			83.8		%		60-130	23-AUG-18
Benzo(g,h,i)perylene			90.4		%		60-130	23-AUG-18
Benzo(k)fluoranthene			88.9		%		60-130	23-AUG-18
Chrysene			97.4		%		60-130	23-AUG-18
Dibenz(a,h)anthracene			96.9		%		60-130	23-AUG-18
Fluoranthene			96.8		%		60-130	23-AUG-18
Fluorene			94.0		%		60-130	23-AUG-18
Indeno(1,2,3-c,d)pyrene			95.8		%		60-130	23-AUG-18
1-Methylnaphthalene			84.6		%		60-130	23-AUG-18
2-Methylnaphthalene			87.2		%		60-130	23-AUG-18
Naphthalene			79.4		%		50-130	23-AUG-18
Phenanthrene			97.8		%		60-130	23-AUG-18
Pyrene			98.0		%		60-130	23-AUG-18
Quinoline			74.2		%		60-130	23-AUG-18
WG2856364-1	MB							

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-ME-MS-VA		Water						
Batch	R4179958							
WG2856364-1	MB							
Acenaphthene			<0.000010		mg/L		0.00001	23-AUG-18
Acenaphthylene			<0.000010		mg/L		0.00001	23-AUG-18
Acridine			<0.000010		mg/L		0.00001	23-AUG-18
Anthracene			<0.000010		mg/L		0.00001	23-AUG-18
Benz(a)anthracene			<0.000010		mg/L		0.00001	23-AUG-18
Benzo(a)pyrene			<0.0000050		mg/L		0.000005	23-AUG-18
Benzo(b&j)fluoranthene			<0.000010		mg/L		0.00001	23-AUG-18
Benzo(g,h,i)perylene			<0.000010		mg/L		0.00001	23-AUG-18
Benzo(k)fluoranthene			<0.000010		mg/L		0.00001	23-AUG-18
Chrysene			<0.000010		mg/L		0.00001	23-AUG-18
Dibenz(a,h)anthracene			<0.0000050		mg/L		0.000005	23-AUG-18
Fluoranthene			<0.000010		mg/L		0.00001	23-AUG-18
Fluorene			<0.000010		mg/L		0.00001	23-AUG-18
Indeno(1,2,3-c,d)pyrene			<0.000010		mg/L		0.00001	23-AUG-18
1-Methylnaphthalene			<0.000050		mg/L		0.00005	23-AUG-18
2-Methylnaphthalene			<0.000050		mg/L		0.00005	23-AUG-18
Naphthalene			<0.000050		mg/L		0.00005	23-AUG-18
Phenanthrene			<0.000020		mg/L		0.00002	23-AUG-18
Pyrene			<0.000010		mg/L		0.00001	23-AUG-18
Quinoline			<0.000050		mg/L		0.00005	23-AUG-18
Surrogate: Acridine d9			99.2		%		60-130	23-AUG-18
Surrogate: Chrysene d12			107.4		%		60-130	23-AUG-18
Surrogate: Naphthalene d8			99.2		%		50-130	23-AUG-18
Surrogate: Phenanthrene d10			107.2		%		60-130	23-AUG-18
ALK-TITR-VA		Seawater						
Batch	R4177250							
WG2853043-3	CRM	VA-ALK-TITR-CONTROL						
Alkalinity, Total (as CaCO3)			100.7		%		85-115	18-AUG-18
WG2853043-5	DUP	L2148896-1						
Alkalinity, Total (as CaCO3)		89.0	89.8		mg/L	0.9	20	18-AUG-18
WG2853043-1	MB							
Alkalinity, Total (as CaCO3)			<1.0		mg/L		1	18-AUG-18
ANIONS-C-BR-IC-VA		Seawater						

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
ANIONS-C-BR-IC-VA		Seawater						
Batch	R4178111							
WG2853086-3	DUP	L2148896-1						
Bromide (Br)		10.4	10.0		mg/L	4.2	20	17-AUG-18
WG2853086-2	LCS							
Bromide (Br)			99.4		%		85-115	17-AUG-18
WG2853086-1	MB							
Bromide (Br)			<5.0		mg/L		5	17-AUG-18
WG2853086-4	MS	L2148896-2						
Bromide (Br)			N/A	MS-B	%		-	17-AUG-18
ANIONS-C-CL-IC-VA		Seawater						
Batch	R4178111							
WG2853086-3	DUP	L2148896-1						
Chloride (Cl)		2950	2960		mg/L	0.3	20	17-AUG-18
WG2853086-2	LCS							
Chloride (Cl)			99.6		%		90-110	17-AUG-18
WG2853086-1	MB							
Chloride (Cl)			<50		mg/L		50	17-AUG-18
WG2853086-4	MS	L2148896-2						
Chloride (Cl)			N/A	MS-B	%		-	17-AUG-18
ANIONS-C-F-IC-VA		Seawater						
Batch	R4178111							
WG2853086-3	DUP	L2148896-1						
Fluoride (F)		<1.0	<1.0	RPD-NA	mg/L	N/A	20	17-AUG-18
WG2853086-2	LCS							
Fluoride (F)			98.9		%		90-110	17-AUG-18
WG2853086-1	MB							
Fluoride (F)			<1.0		mg/L		1	17-AUG-18
ANIONS-C-NO2-IC-VA		Seawater						
Batch	R4178111							
WG2853086-3	DUP	L2148896-1						
Nitrite (as N)		<0.10	<0.10	RPD-NA	mg/L	N/A	20	17-AUG-18
WG2853086-2	LCS							
Nitrite (as N)			99.3		%		90-110	17-AUG-18
WG2853086-1	MB							
Nitrite (as N)			<0.10		mg/L		0.1	17-AUG-18
ANIONS-C-NO3-IC-VA		Seawater						

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
ANIONS-C-NO3-IC-VA		Seawater						
Batch	R4178111							
WG2853086-3	DUP	L2148896-1						
Nitrate (as N)		<0.50	<0.50	RPD-NA	mg/L	N/A	20	17-AUG-18
WG2853086-2	LCS							
Nitrate (as N)			101.5		%		90-110	17-AUG-18
WG2853086-1	MB							
Nitrate (as N)			<0.50		mg/L		0.5	17-AUG-18
ANIONS-C-SO4-IC-VA		Seawater						
Batch	R4178111							
WG2853086-3	DUP	L2148896-1						
Sulfate (SO4)		396	407		mg/L	2.8	20	17-AUG-18
WG2853086-2	LCS							
Sulfate (SO4)			100.6		%		90-110	17-AUG-18
WG2853086-1	MB							
Sulfate (SO4)			<30		mg/L		30	17-AUG-18
WG2853086-4	MS	L2148896-2						
Sulfate (SO4)			N/A	MS-B	%		-	17-AUG-18
CARBONS-C-TOC-VA		Seawater						
Batch	R4176319							
WG2853296-1	DUP	L2148896-2						
Total Organic Carbon		1.12	1.12		mg/L	0.1	20	17-AUG-18
WG2853296-4	LCS							
Total Organic Carbon			97.9		%		80-120	17-AUG-18
WG2853296-3	MB							
Total Organic Carbon			<0.50		mg/L		0.5	17-AUG-18
WG2853296-2	MS	L2148896-3						
Total Organic Carbon			104.7		%		70-130	17-AUG-18
EC-C-PCT-VA		Seawater						
Batch	R4177250							
WG2853043-4	CRM	VA-EC-PCT-CONTROL						
Conductivity			99.4		%		90-110	18-AUG-18
WG2853043-5	DUP	L2148896-1						
Conductivity		9630	9580		uS/cm	0.5	10	18-AUG-18
WG2853043-1	MB							
Conductivity			<2.0		uS/cm		2	18-AUG-18
HG-DIS-C-CVAFS-VA		Seawater						

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
HG-DIS-C-CVAFS-VA		Seawater						
Batch	R4175860							
WG2853304-3	DUP	L2148896-2						
Mercury (Hg)-Dissolved		<0.000010	<0.000010	RPD-NA	mg/L	N/A	20	18-AUG-18
WG2853275-2	LCS							
Mercury (Hg)-Dissolved			99.95		%		80-120	18-AUG-18
WG2853304-2	LCS							
Mercury (Hg)-Dissolved			99.96		%		80-120	18-AUG-18
WG2853275-1	MB	LF						
Mercury (Hg)-Dissolved			<0.000010		mg/L		0.00001	18-AUG-18
WG2853304-1	MB	LF						
Mercury (Hg)-Dissolved			<0.000010		mg/L		0.00001	18-AUG-18
HG-TOT-C-CVAFS-VA		Seawater						
Batch	R4175860							
WG2853299-2	LCS							
Mercury (Hg)-Total			99.96		%		80-120	18-AUG-18
WG2853299-1	MB							
Mercury (Hg)-Total			<0.000010		mg/L		0.00001	18-AUG-18
MET-D-L-HRMS-VA		Seawater						
Batch	R4179695							
WG2853500-3	DUP	L2148896-3						
Antimony (Sb)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	21-AUG-18
Arsenic (As)-Dissolved		<0.0020	<0.0020	RPD-NA	mg/L	N/A	20	21-AUG-18
Barium (Ba)-Dissolved		0.0047	0.0043		mg/L	8.2	20	21-AUG-18
Beryllium (Be)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	21-AUG-18
Bismuth (Bi)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	21-AUG-18
Boron (B)-Dissolved		0.70	0.70		mg/L	0.1	20	21-AUG-18
Cadmium (Cd)-Dissolved		<0.000050	<0.000050	RPD-NA	mg/L	N/A	20	21-AUG-18
Calcium (Ca)-Dissolved		74.8	77.2		mg/L	3.3	20	21-AUG-18
Cesium (Cs)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	21-AUG-18
Chromium (Cr)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	21-AUG-18
Cobalt (Co)-Dissolved		<0.000050	<0.000050	RPD-NA	mg/L	N/A	20	21-AUG-18
Copper (Cu)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	21-AUG-18
Gallium (Ga)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	21-AUG-18
Iron (Fe)-Dissolved		<0.010	<0.010	RPD-NA	mg/L	N/A	20	21-AUG-18
Lead (Pb)-Dissolved		<0.00030	<0.00030	RPD-NA	mg/L	N/A	20	21-AUG-18
Lithium (Li)-Dissolved		0.027	0.027		mg/L	3.4	20	21-AUG-18
Magnesium (Mg)-Dissolved		180	183		mg/L	1.9	20	21-AUG-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-D-L-HRMS-VA		Seawater						
Batch	R4179695							
WG2853500-3	DUP	L2148896-3						
Manganese (Mn)-Dissolved		0.00081	0.00064	J	mg/L	0.00016	0.0004	21-AUG-18
Molybdenum (Mo)-Dissolved		<0.0020	<0.0020	RPD-NA	mg/L	N/A	20	21-AUG-18
Nickel (Ni)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	21-AUG-18
Phosphorus (P)-Dissolved		<0.050	<0.050	RPD-NA	mg/L	N/A	20	21-AUG-18
Potassium (K)-Dissolved		49	52		mg/L	5.1	20	21-AUG-18
Rhenium (Re)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	21-AUG-18
Rubidium (Rb)-Dissolved		0.0172	0.0165		mg/L	4.2	20	21-AUG-18
Selenium (Se)-Dissolved		<0.0020	<0.0020	RPD-NA	mg/L	N/A	20	21-AUG-18
Silicon (Si)-Dissolved		<1.0	<1.0	RPD-NA	mg/L	N/A	20	21-AUG-18
Silver (Ag)-Dissolved		<0.00010	<0.00010	RPD-NA	mg/L	N/A	20	21-AUG-18
Sodium (Na)-Dissolved		1370	1470		mg/L	7.2	20	21-AUG-18
Strontium (Sr)-Dissolved		1.13	1.19		mg/L	5.2	20	21-AUG-18
Sulfur (S)-Dissolved		137	137		mg/L	0.6	20	21-AUG-18
Tellurium (Te)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	21-AUG-18
Thallium (Tl)-Dissolved		0.000051	<0.000050	RPD-NA	mg/L	N/A	20	21-AUG-18
Thorium (Th)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	21-AUG-18
Tin (Sn)-Dissolved		<0.0010	<0.0010	RPD-NA	mg/L	N/A	20	21-AUG-18
Titanium (Ti)-Dissolved		<0.0050	<0.0050	RPD-NA	mg/L	N/A	20	21-AUG-18
Tungsten (W)-Dissolved		<0.0010	<0.0010	RPD-NA	mg/L	N/A	20	21-AUG-18
Uranium (U)-Dissolved		0.00122	0.00112		mg/L	8.5	20	21-AUG-18
Vanadium (V)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	21-AUG-18
Yttrium (Y)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	21-AUG-18
Zirconium (Zr)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	21-AUG-18
WG2853500-2	LCS							
Aluminum (Al)-Dissolved			90.0		%		80-120	21-AUG-18
Antimony (Sb)-Dissolved			97.6		%		80-120	21-AUG-18
Arsenic (As)-Dissolved			92.5		%		80-120	21-AUG-18
Barium (Ba)-Dissolved			93.2		%		80-120	21-AUG-18
Beryllium (Be)-Dissolved			90.2		%		80-120	21-AUG-18
Bismuth (Bi)-Dissolved			96.1		%		80-120	21-AUG-18
Boron (B)-Dissolved			94.1		%		80-120	21-AUG-18
Cadmium (Cd)-Dissolved			93.4		%		80-120	21-AUG-18
Calcium (Ca)-Dissolved			101.1		%		80-120	21-AUG-18
Cesium (Cs)-Dissolved			87.0		%		80-120	21-AUG-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-D-L-HRMS-VA								
	Seawater							
Batch	R4179695							
WG2853500-2	LCS							
Chromium (Cr)-Dissolved			95.6		%		80-120	21-AUG-18
Cobalt (Co)-Dissolved			97.2		%		80-120	21-AUG-18
Copper (Cu)-Dissolved			94.4		%		80-120	21-AUG-18
Gallium (Ga)-Dissolved			94.0		%		80-120	21-AUG-18
Iron (Fe)-Dissolved			94.2		%		80-120	21-AUG-18
Lead (Pb)-Dissolved			101.0		%		80-120	21-AUG-18
Lithium (Li)-Dissolved			87.7		%		80-120	21-AUG-18
Magnesium (Mg)-Dissolved			90.5		%		80-120	21-AUG-18
Manganese (Mn)-Dissolved			93.6		%		80-120	21-AUG-18
Molybdenum (Mo)-Dissolved			87.6		%		80-120	21-AUG-18
Nickel (Ni)-Dissolved			90.6		%		80-120	21-AUG-18
Phosphorus (P)-Dissolved			90.8		%		80-120	21-AUG-18
Potassium (K)-Dissolved			92.0		%		80-120	21-AUG-18
Rhenium (Re)-Dissolved			93.6		%		80-120	21-AUG-18
Rubidium (Rb)-Dissolved			94.6		%		80-120	21-AUG-18
Selenium (Se)-Dissolved			96.6		%		80-120	21-AUG-18
Silicon (Si)-Dissolved			98.0		%		80-120	21-AUG-18
Silver (Ag)-Dissolved			85.8		%		80-120	21-AUG-18
Sodium (Na)-Dissolved			104.4		%		80-120	21-AUG-18
Strontium (Sr)-Dissolved			94.4		%		80-120	21-AUG-18
Sulfur (S)-Dissolved			98.2		%		80-120	21-AUG-18
Tellurium (Te)-Dissolved			95.8		%		80-120	21-AUG-18
Thallium (Tl)-Dissolved			95.5		%		80-120	21-AUG-18
Thorium (Th)-Dissolved			104.0		%		80-120	21-AUG-18
Tin (Sn)-Dissolved			95.4		%		80-120	21-AUG-18
Titanium (Ti)-Dissolved			91.6		%		80-120	21-AUG-18
Tungsten (W)-Dissolved			90.6		%		80-120	21-AUG-18
Uranium (U)-Dissolved			96.8		%		80-120	21-AUG-18
Vanadium (V)-Dissolved			95.8		%		80-120	21-AUG-18
Yttrium (Y)-Dissolved			91.0		%		80-120	21-AUG-18
Zinc (Zn)-Dissolved			95.4		%		80-120	21-AUG-18
Zirconium (Zr)-Dissolved			91.3		%		80-120	21-AUG-18
WG2853500-1	MB	LF						
Aluminum (Al)-Dissolved			<0.0050		mg/L		0.005	21-AUG-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-D-L-HRMS-VA	Seawater							
Batch	R4179695							
WG2853500-1 MB		LF						
Antimony (Sb)-Dissolved			<0.00050		mg/L		0.0005	21-AUG-18
Arsenic (As)-Dissolved			<0.0020		mg/L		0.002	21-AUG-18
Barium (Ba)-Dissolved			<0.0010		mg/L		0.001	21-AUG-18
Beryllium (Be)-Dissolved			<0.00050		mg/L		0.0005	21-AUG-18
Bismuth (Bi)-Dissolved			<0.00050		mg/L		0.0005	21-AUG-18
Boron (B)-Dissolved			<0.10		mg/L		0.1	21-AUG-18
Cadmium (Cd)-Dissolved			<0.000050		mg/L		0.00005	21-AUG-18
Cesium (Cs)-Dissolved			<0.00050		mg/L		0.0005	21-AUG-18
Chromium (Cr)-Dissolved			<0.00050		mg/L		0.0005	21-AUG-18
Cobalt (Co)-Dissolved			<0.000050		mg/L		0.00005	21-AUG-18
Copper (Cu)-Dissolved			<0.00050		mg/L		0.0005	21-AUG-18
Gallium (Ga)-Dissolved			<0.00050		mg/L		0.0005	21-AUG-18
Iron (Fe)-Dissolved			<0.010		mg/L		0.01	21-AUG-18
Lead (Pb)-Dissolved			<0.00030		mg/L		0.0003	21-AUG-18
Lithium (Li)-Dissolved			<0.020		mg/L		0.02	21-AUG-18
Magnesium (Mg)-Dissolved			<1.0		mg/L		1	21-AUG-18
Manganese (Mn)-Dissolved			<0.00020		mg/L		0.0002	21-AUG-18
Molybdenum (Mo)-Dissolved			<0.0020		mg/L		0.002	21-AUG-18
Nickel (Ni)-Dissolved			<0.00050		mg/L		0.0005	21-AUG-18
Phosphorus (P)-Dissolved			<0.050		mg/L		0.05	21-AUG-18
Rhenium (Re)-Dissolved			<0.00050		mg/L		0.0005	21-AUG-18
Rubidium (Rb)-Dissolved			<0.0050		mg/L		0.005	21-AUG-18
Selenium (Se)-Dissolved			<0.0020		mg/L		0.002	21-AUG-18
Silicon (Si)-Dissolved			<1.0		mg/L		1	21-AUG-18
Silver (Ag)-Dissolved			<0.00010		mg/L		0.0001	21-AUG-18
Strontium (Sr)-Dissolved			<0.010		mg/L		0.01	21-AUG-18
Sulfur (S)-Dissolved			<5.0		mg/L		5	21-AUG-18
Tellurium (Te)-Dissolved			<0.00050		mg/L		0.0005	21-AUG-18
Thorium (Th)-Dissolved			<0.00050		mg/L		0.0005	21-AUG-18
Tin (Sn)-Dissolved			<0.0010		mg/L		0.001	21-AUG-18
Titanium (Ti)-Dissolved			<0.0050		mg/L		0.005	21-AUG-18
Tungsten (W)-Dissolved			<0.0010		mg/L		0.001	21-AUG-18
Uranium (U)-Dissolved			<0.000050		mg/L		0.00005	21-AUG-18
Vanadium (V)-Dissolved			<0.00050		mg/L		0.0005	21-AUG-18



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-D-L-HRMS-VA								
	Seawater							
Batch	R4179695							
WG2853500-1	MB	LF						
Yttrium (Y)-Dissolved			<0.00050		mg/L		0.0005	21-AUG-18
Zinc (Zn)-Dissolved			<0.0030		mg/L		0.003	21-AUG-18
Zirconium (Zr)-Dissolved			<0.00050		mg/L		0.0005	21-AUG-18
WG2853500-4	MS	L2148896-1						
Aluminum (Al)-Dissolved			92.9		%		70-130	21-AUG-18
Antimony (Sb)-Dissolved			100.7		%		70-130	21-AUG-18
Arsenic (As)-Dissolved			92.8		%		70-130	21-AUG-18
Barium (Ba)-Dissolved			93.2		%		70-130	21-AUG-18
Beryllium (Be)-Dissolved			95.6		%		70-130	21-AUG-18
Bismuth (Bi)-Dissolved			84.8		%		70-130	21-AUG-18
Boron (B)-Dissolved			99.5		%		70-130	21-AUG-18
Cadmium (Cd)-Dissolved			90.2		%		70-130	21-AUG-18
Calcium (Ca)-Dissolved			98.3		%		70-130	21-AUG-18
Cesium (Cs)-Dissolved			93.5		%		70-130	21-AUG-18
Chromium (Cr)-Dissolved			90.0		%		70-130	21-AUG-18
Cobalt (Co)-Dissolved			91.8		%		70-130	21-AUG-18
Copper (Cu)-Dissolved			85.0		%		70-130	21-AUG-18
Gallium (Ga)-Dissolved			90.8		%		70-130	21-AUG-18
Iron (Fe)-Dissolved			85.9		%		70-130	21-AUG-18
Lead (Pb)-Dissolved			85.2		%		70-130	21-AUG-18
Lithium (Li)-Dissolved			96.1		%		70-130	21-AUG-18
Magnesium (Mg)-Dissolved			N/A	MS-B	%		-	21-AUG-18
Manganese (Mn)-Dissolved			90.1		%		70-130	21-AUG-18
Molybdenum (Mo)-Dissolved			97.4		%		70-130	21-AUG-18
Nickel (Ni)-Dissolved			85.9		%		70-130	21-AUG-18
Phosphorus (P)-Dissolved			92.5		%		70-130	21-AUG-18
Potassium (K)-Dissolved			85.9		%		70-130	21-AUG-18
Rhenium (Re)-Dissolved			92.6		%		70-130	21-AUG-18
Rubidium (Rb)-Dissolved			101.8		%		70-130	21-AUG-18
Selenium (Se)-Dissolved			97.4		%		70-130	21-AUG-18
Silver (Ag)-Dissolved			86.8		%		70-130	21-AUG-18
Sodium (Na)-Dissolved			N/A	MS-B	%		-	21-AUG-18
Strontium (Sr)-Dissolved			N/A	MS-B	%		-	21-AUG-18
Tellurium (Te)-Dissolved			97.6		%		70-130	21-AUG-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-D-L-HRMS-VA		Seawater						
Batch	R4179695							
WG2853500-4	MS	L2148896-1						
Thallium (Tl)-Dissolved			85.7		%		70-130	21-AUG-18
Thorium (Th)-Dissolved			100.4		%		70-130	21-AUG-18
Tin (Sn)-Dissolved			94.0		%		70-130	21-AUG-18
Titanium (Ti)-Dissolved			96.0		%		70-130	21-AUG-18
Tungsten (W)-Dissolved			93.8		%		70-130	21-AUG-18
Uranium (U)-Dissolved			96.0		%		70-130	21-AUG-18
Vanadium (V)-Dissolved			94.4		%		70-130	21-AUG-18
Yttrium (Y)-Dissolved			96.5		%		70-130	21-AUG-18
Zinc (Zn)-Dissolved			86.0		%		70-130	21-AUG-18
Zirconium (Zr)-Dissolved			97.8		%		70-130	21-AUG-18
Batch	R4181660							
WG2853500-3	DUP	L2148896-3						
Aluminum (Al)-Dissolved		<0.0050	<0.0050	RPD-NA	mg/L	N/A	20	22-AUG-18
Zinc (Zn)-Dissolved		<0.0030	<0.0030	RPD-NA	mg/L	N/A	20	22-AUG-18
WG2853500-1	MB	LF						
Calcium (Ca)-Dissolved			<1.0		mg/L		1	22-AUG-18
Potassium (K)-Dissolved			<1.0		mg/L		1	22-AUG-18
Sodium (Na)-Dissolved			<1.0		mg/L		1	22-AUG-18
Thallium (Tl)-Dissolved			<0.000050		mg/L		0.00005	22-AUG-18
MET-T-L-HRMS-VA		Seawater						
Batch	R4179695							
WG2854102-3	DUP	L2148896-2						
Aluminum (Al)-Total		0.0129	0.0150		mg/L	15	20	21-AUG-18
Antimony (Sb)-Total		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	21-AUG-18
Arsenic (As)-Total		<0.0020	<0.0020	RPD-NA	mg/L	N/A	20	21-AUG-18
Barium (Ba)-Total		0.0046	0.0047		mg/L	2.4	20	21-AUG-18
Beryllium (Be)-Total		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	21-AUG-18
Bismuth (Bi)-Total		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	21-AUG-18
Boron (B)-Total		0.76	0.70		mg/L	7.8	20	21-AUG-18
Cadmium (Cd)-Total		<0.000050	<0.000050	RPD-NA	mg/L	N/A	20	21-AUG-18
Calcium (Ca)-Total		86.0	81.4		mg/L	5.4	20	21-AUG-18
Cesium (Cs)-Total		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	21-AUG-18
Chromium (Cr)-Total		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	21-AUG-18
Cobalt (Co)-Total		<0.000050	<0.000050	RPD-NA	mg/L	N/A	20	21-AUG-18
Copper (Cu)-Total		<0.00050	0.00065	RPD-NA	mg/L	N/A	20	21-AUG-18



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-T-L-HRMS-VA		Seawater						
Batch	R4179695							
WG2854102-3	DUP	L2148896-2						
Gallium (Ga)-Total		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	21-AUG-18
Iron (Fe)-Total		0.018	0.018		mg/L	3.3	20	21-AUG-18
Lead (Pb)-Total		<0.00030	<0.00030	RPD-NA	mg/L	N/A	20	21-AUG-18
Lithium (Li)-Total		0.030	0.029		mg/L	3.8	20	21-AUG-18
Magnesium (Mg)-Total		189	208		mg/L	9.6	20	21-AUG-18
Manganese (Mn)-Total		0.00094	0.00103		mg/L	9.2	20	21-AUG-18
Molybdenum (Mo)-Total		<0.0020	<0.0020	RPD-NA	mg/L	N/A	20	21-AUG-18
Nickel (Ni)-Total		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	21-AUG-18
Phosphorus (P)-Total		<0.050	<0.050	RPD-NA	mg/L	N/A	20	21-AUG-18
Potassium (K)-Total		58.0	54.1		mg/L	6.9	20	21-AUG-18
Rhenium (Re)-Total		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	21-AUG-18
Rubidium (Rb)-Total		0.0184	0.0173		mg/L	6.2	20	21-AUG-18
Selenium (Se)-Total		<0.0020	<0.0020	RPD-NA	mg/L	N/A	20	21-AUG-18
Silicon (Si)-Total		<1.0	<1.0	RPD-NA	mg/L	N/A	25	21-AUG-18
Silver (Ag)-Total		<0.00010	<0.00010	RPD-NA	mg/L	N/A	20	21-AUG-18
Sodium (Na)-Total		1590	1530		mg/L	3.3	20	21-AUG-18
Strontium (Sr)-Total		1.20	1.20		mg/L	0.2	20	21-AUG-18
Sulfur (S)-Total		142	159		mg/L	11	25	21-AUG-18
Tellurium (Te)-Total		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	21-AUG-18
Thallium (Tl)-Total		<0.000050	<0.000050	RPD-NA	mg/L	N/A	20	21-AUG-18
Thorium (Th)-Total		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	21-AUG-18
Tin (Sn)-Total		<0.0010	<0.0010	RPD-NA	mg/L	N/A	20	21-AUG-18
Titanium (Ti)-Total		<0.0050	<0.0050	RPD-NA	mg/L	N/A	20	21-AUG-18
Tungsten (W)-Total		<0.0010	<0.0010	RPD-NA	mg/L	N/A	20	21-AUG-18
Uranium (U)-Total		0.00124	0.00128		mg/L	3.2	20	21-AUG-18
Vanadium (V)-Total		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	21-AUG-18
Yttrium (Y)-Total		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	21-AUG-18
Zinc (Zn)-Total		<0.0030	<0.0030	RPD-NA	mg/L	N/A	20	21-AUG-18
Zirconium (Zr)-Total		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	21-AUG-18
WG2854102-2		LCS						
Aluminum (Al)-Total			93.3		%		80-120	21-AUG-18
Antimony (Sb)-Total			99.6		%		80-120	21-AUG-18
Arsenic (As)-Total			99.2		%		80-120	21-AUG-18
Barium (Ba)-Total			94.8		%		80-120	21-AUG-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-T-L-HRMS-VA	Seawater							
Batch	R4179695							
WG2854102-2	LCS							
Beryllium (Be)-Total			88.5		%		80-120	21-AUG-18
Bismuth (Bi)-Total			98.2		%		80-120	21-AUG-18
Boron (B)-Total			94.4		%		80-120	21-AUG-18
Cadmium (Cd)-Total			91.7		%		80-120	21-AUG-18
Calcium (Ca)-Total			97.8		%		80-120	21-AUG-18
Cesium (Cs)-Total			89.2		%		80-120	21-AUG-18
Chromium (Cr)-Total			95.2		%		80-120	21-AUG-18
Cobalt (Co)-Total			94.0		%		80-120	21-AUG-18
Copper (Cu)-Total			94.4		%		80-120	21-AUG-18
Gallium (Ga)-Total			99.2		%		80-120	21-AUG-18
Iron (Fe)-Total			102.1		%		80-120	21-AUG-18
Lead (Pb)-Total			105.2		%		80-120	21-AUG-18
Lithium (Li)-Total			89.8		%		80-120	21-AUG-18
Magnesium (Mg)-Total			100.9		%		80-120	21-AUG-18
Manganese (Mn)-Total			100.0		%		80-120	21-AUG-18
Molybdenum (Mo)-Total			88.0		%		80-120	21-AUG-18
Nickel (Ni)-Total			96.6		%		80-120	21-AUG-18
Phosphorus (P)-Total			96.4		%		80-120	21-AUG-18
Potassium (K)-Total			91.0		%		80-120	21-AUG-18
Rhenium (Re)-Total			95.9		%		80-120	21-AUG-18
Rubidium (Rb)-Total			93.1		%		80-120	21-AUG-18
Selenium (Se)-Total			95.1		%		80-120	21-AUG-18
Silicon (Si)-Total			106.1		%		80-120	21-AUG-18
Silver (Ag)-Total			89.2		%		80-120	21-AUG-18
Sodium (Na)-Total			97.6		%		80-120	21-AUG-18
Strontium (Sr)-Total			90.0		%		80-120	21-AUG-18
Sulfur (S)-Total			106.1		%		70-130	21-AUG-18
Tellurium (Te)-Total			93.7		%		80-120	21-AUG-18
Thallium (Tl)-Total			98.7		%		80-120	21-AUG-18
Thorium (Th)-Total			105.0		%		80-120	21-AUG-18
Tin (Sn)-Total			92.6		%		80-120	21-AUG-18
Titanium (Ti)-Total			100.8		%		80-120	21-AUG-18
Tungsten (W)-Total			95.1		%		80-120	21-AUG-18
Uranium (U)-Total			97.8		%		80-120	21-AUG-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-T-L-HRMS-VA		Seawater						
Batch	R4179695							
WG2854102-2	LCS							
Vanadium (V)-Total			100.4		%		80-120	21-AUG-18
Yttrium (Y)-Total			89.1		%		80-120	21-AUG-18
Zinc (Zn)-Total			95.4		%		80-120	21-AUG-18
Zirconium (Zr)-Total			87.0		%		80-120	21-AUG-18
WG2854102-1	MB							
Aluminum (Al)-Total			<0.0050		mg/L		0.005	21-AUG-18
Antimony (Sb)-Total			<0.00050		mg/L		0.0005	21-AUG-18
Arsenic (As)-Total			<0.0020		mg/L		0.002	21-AUG-18
Barium (Ba)-Total			<0.0010		mg/L		0.001	21-AUG-18
Beryllium (Be)-Total			<0.00050		mg/L		0.0005	21-AUG-18
Bismuth (Bi)-Total			<0.00050		mg/L		0.0005	21-AUG-18
Boron (B)-Total			<0.10		mg/L		0.1	21-AUG-18
Cadmium (Cd)-Total			<0.000050		mg/L		0.00005	21-AUG-18
Calcium (Ca)-Total			<1.0		mg/L		1	21-AUG-18
Cesium (Cs)-Total			<0.00050		mg/L		0.0005	21-AUG-18
Chromium (Cr)-Total			<0.00050		mg/L		0.0005	21-AUG-18
Cobalt (Co)-Total			<0.000050		mg/L		0.00005	21-AUG-18
Copper (Cu)-Total			<0.00050		mg/L		0.0005	21-AUG-18
Gallium (Ga)-Total			<0.00050		mg/L		0.0005	21-AUG-18
Iron (Fe)-Total			<0.010		mg/L		0.01	21-AUG-18
Lead (Pb)-Total			<0.00030		mg/L		0.0003	21-AUG-18
Lithium (Li)-Total			<0.020		mg/L		0.02	21-AUG-18
Magnesium (Mg)-Total			<1.0		mg/L		1	21-AUG-18
Manganese (Mn)-Total			<0.00020		mg/L		0.0002	21-AUG-18
Molybdenum (Mo)-Total			<0.0020		mg/L		0.002	21-AUG-18
Nickel (Ni)-Total			<0.00050		mg/L		0.0005	21-AUG-18
Phosphorus (P)-Total			<0.050		mg/L		0.05	21-AUG-18
Potassium (K)-Total			<1.0		mg/L		1	21-AUG-18
Rhenium (Re)-Total			<0.00050		mg/L		0.0005	21-AUG-18
Rubidium (Rb)-Total			<0.0050		mg/L		0.005	21-AUG-18
Selenium (Se)-Total			<0.0020		mg/L		0.002	21-AUG-18
Silicon (Si)-Total			<1.0		mg/L		1	21-AUG-18
Silver (Ag)-Total			<0.00010		mg/L		0.0001	21-AUG-18
Sodium (Na)-Total			<1.0		mg/L		1	21-AUG-18



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-T-L-HRMS-VA								
	Seawater							
Batch	R4179695							
WG2854102-1	MB							
Strontium (Sr)-Total			<0.010		mg/L		0.01	21-AUG-18
Sulfur (S)-Total			<5.0		mg/L		5	21-AUG-18
Tellurium (Te)-Total			<0.00050		mg/L		0.0005	21-AUG-18
Thallium (Tl)-Total			<0.000050		mg/L		0.00005	21-AUG-18
Thorium (Th)-Total			<0.00050		mg/L		0.0005	21-AUG-18
Tin (Sn)-Total			<0.0010		mg/L		0.001	21-AUG-18
Titanium (Ti)-Total			<0.0050		mg/L		0.005	21-AUG-18
Tungsten (W)-Total			<0.0010		mg/L		0.001	21-AUG-18
Uranium (U)-Total			<0.000050		mg/L		0.00005	21-AUG-18
Vanadium (V)-Total			<0.00050		mg/L		0.0005	21-AUG-18
Yttrium (Y)-Total			<0.00050		mg/L		0.0005	21-AUG-18
Zinc (Zn)-Total			<0.0030		mg/L		0.003	21-AUG-18
Zirconium (Zr)-Total			<0.00050		mg/L		0.0005	21-AUG-18
WG2854102-4	MS	L2148896-1						
Aluminum (Al)-Total			89.8		%		70-130	21-AUG-18
Antimony (Sb)-Total			97.7		%		70-130	21-AUG-18
Arsenic (As)-Total			91.3		%		70-130	21-AUG-18
Barium (Ba)-Total			95.7		%		70-130	21-AUG-18
Beryllium (Be)-Total			94.6		%		70-130	21-AUG-18
Bismuth (Bi)-Total			89.9		%		70-130	21-AUG-18
Boron (B)-Total			101.6		%		70-130	21-AUG-18
Cadmium (Cd)-Total			90.5		%		70-130	21-AUG-18
Calcium (Ca)-Total			99.6		%		70-130	21-AUG-18
Cesium (Cs)-Total			97.9		%		70-130	21-AUG-18
Chromium (Cr)-Total			90.4		%		70-130	21-AUG-18
Cobalt (Co)-Total			86.4		%		70-130	21-AUG-18
Copper (Cu)-Total			83.4		%		70-130	21-AUG-18
Gallium (Ga)-Total			87.4		%		70-130	21-AUG-18
Iron (Fe)-Total			87.4		%		70-130	21-AUG-18
Lead (Pb)-Total			91.8		%		70-130	21-AUG-18
Lithium (Li)-Total			98.5		%		70-130	21-AUG-18
Magnesium (Mg)-Total			N/A	MS-B	%		-	21-AUG-18
Manganese (Mn)-Total			88.6		%		70-130	21-AUG-18
Molybdenum (Mo)-Total			105.4		%		70-130	21-AUG-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-T-L-HRMS-VA		Seawater						
Batch	R4179695							
WG2854102-4 MS		L2148896-1						
Nickel (Ni)-Total			84.9		%		70-130	21-AUG-18
Phosphorus (P)-Total			88.9		%		70-130	21-AUG-18
Potassium (K)-Total			84.8		%		70-130	21-AUG-18
Rhenium (Re)-Total			101.4		%		70-130	21-AUG-18
Rubidium (Rb)-Total			103.7		%		70-130	21-AUG-18
Selenium (Se)-Total			93.4		%		70-130	21-AUG-18
Silver (Ag)-Total			88.2		%		70-130	21-AUG-18
Sodium (Na)-Total			N/A	MS-B	%		-	21-AUG-18
Strontium (Sr)-Total			N/A	MS-B	%		-	21-AUG-18
Tellurium (Te)-Total			98.3		%		70-130	21-AUG-18
Thallium (Tl)-Total			91.9		%		70-130	21-AUG-18
Thorium (Th)-Total			105.2		%		70-130	21-AUG-18
Tin (Sn)-Total			93.5		%		70-130	21-AUG-18
Titanium (Ti)-Total			90.5		%		70-130	21-AUG-18
Tungsten (W)-Total			102.0		%		70-130	21-AUG-18
Uranium (U)-Total			101.8		%		70-130	21-AUG-18
Vanadium (V)-Total			91.0		%		70-130	21-AUG-18
Yttrium (Y)-Total			97.5		%		70-130	21-AUG-18
Zinc (Zn)-Total			84.9		%		70-130	21-AUG-18
Zirconium (Zr)-Total			97.8		%		70-130	21-AUG-18
NH3-F-VA		Seawater						
Batch	R4176871							
WG2853509-3 DUP		L2148896-1						
Ammonia, Total (as N)		<0.0050	<0.0050	RPD-NA	mg/L	N/A	20	20-AUG-18
WG2853509-2 LCS								
Ammonia, Total (as N)			96.7		%		85-115	20-AUG-18
WG2853509-6 LCS								
Ammonia, Total (as N)			92.7		%		85-115	20-AUG-18
WG2853509-1 MB								
Ammonia, Total (as N)			<0.0050		mg/L		0.005	20-AUG-18
WG2853509-5 MB								
Ammonia, Total (as N)			<0.0050		mg/L		0.005	20-AUG-18
WG2853509-4 MS		L2148896-1						
Ammonia, Total (as N)			95.8		%		75-125	20-AUG-18
PH-C-PCT-VA		Seawater						

Quality Control Report

Workorder: L2148896

Report Date: 25-AUG-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PH-C-PCT-VA		Seawater						
Batch	R4177250							
WG2853043-2	CRM	VA-PH7-BUF						
pH			7.01		pH		6.9-7.1	18-AUG-18
WG2853043-5	DUP	L2148896-1						
pH		8.08	8.08	J	pH	0.00	0.3	18-AUG-18
TKN-C-F-VA		Seawater						
Batch	R4178851							
WG2854704-3	DUP	L2148896-1						
Total Kjeldahl Nitrogen		0.129	0.135		mg/L	4.0	20	21-AUG-18
WG2854704-2	LCS							
Total Kjeldahl Nitrogen			106.6		%		75-125	21-AUG-18
WG2854704-1	MB							
Total Kjeldahl Nitrogen			<0.050		mg/L		0.05	21-AUG-18
WG2854704-4	MS	L2148896-2						
Total Kjeldahl Nitrogen			111.8		%		70-130	21-AUG-18
Batch	R4180759							
WG2855926-2	LCS							
Total Kjeldahl Nitrogen			102.2		%		75-125	22-AUG-18
WG2855926-1	MB							
Total Kjeldahl Nitrogen			<0.050		mg/L		0.05	22-AUG-18
TSS-C-VA		Seawater						
Batch	R4179085							
WG2854839-2	LCS							
Total Suspended Solids			89.3		%		85-115	20-AUG-18
WG2854839-1	MB							
Total Suspended Solids			<2.0		mg/L		2	20-AUG-18
TURBIDITY-C-VA		Seawater						
Batch	R4175815							
WG2853256-2	CRM	VA-FORM-40						
Turbidity			100.5		%		85-115	18-AUG-18
WG2853256-1	MB							
Turbidity			<0.10		NTU		0.1	18-AUG-18

Quality Control Report

Workorder: L2148896

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Legend:

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

Sample Parameter Qualifier Definitions:

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

Quality Control Report

Workorder: L2148896

Report Date: 25-AUG-18

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Hold Time Exceedances:

ALS Product Description	Sample ID	Sampling Date	Date Processed	Rec. HT	Actual HT	Units	Qualifier
Physical Tests							
Turbidity by Meter in Seawater							
	1	14-AUG-18	18-AUG-18 01:00	3	4	days	EHTL
	2	14-AUG-18	18-AUG-18 01:00	3	4	days	EHTL
	3	14-AUG-18	18-AUG-18 01:00	3	4	days	EHTL
	4	14-AUG-18	18-AUG-18 01:00	3	4	days	EHTL
	5	14-AUG-18	18-AUG-18 01:00	3	4	days	EHTL
pH by Meter (Automated) (seawater)							
	1	14-AUG-18	18-AUG-18 09:06	0.25	93	hours	EHTR-FM
	2	14-AUG-18	18-AUG-18 09:06	0.25	93	hours	EHTR-FM
	3	14-AUG-18	18-AUG-18 09:06	0.25	93	hours	EHTR-FM
	4	14-AUG-18	18-AUG-18 09:06	0.25	93	hours	EHTR-FM
	5	14-AUG-18	18-AUG-18 09:06	0.25	93	hours	EHTR-FM
Bacteriological Tests							
Fecal coliform by membrane filtration							
	1	14-AUG-18	17-AUG-18 12:35	30	72	hours	EHTR
	2	14-AUG-18	17-AUG-18 12:35	30	72	hours	EHTR
	3	14-AUG-18	17-AUG-18 12:35	30	72	hours	EHTR
	4	14-AUG-18	17-AUG-18 12:35	30	72	hours	EHTR
	5	14-AUG-18	17-AUG-18 12:35	30	72	hours	EHTR

Legend & Qualifier Definitions:

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

Notes*:

Where actual sampling date is not provided to ALS, the date (& time) of receipt is used for calculation purposes.
 Where actual sampling time is not provided to ALS, the earlier of 12 noon on the sampling date or the time (& date) of receipt is used for calculation purposes. Samples for L2148896 were received on 17-AUG-18 09:45.

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

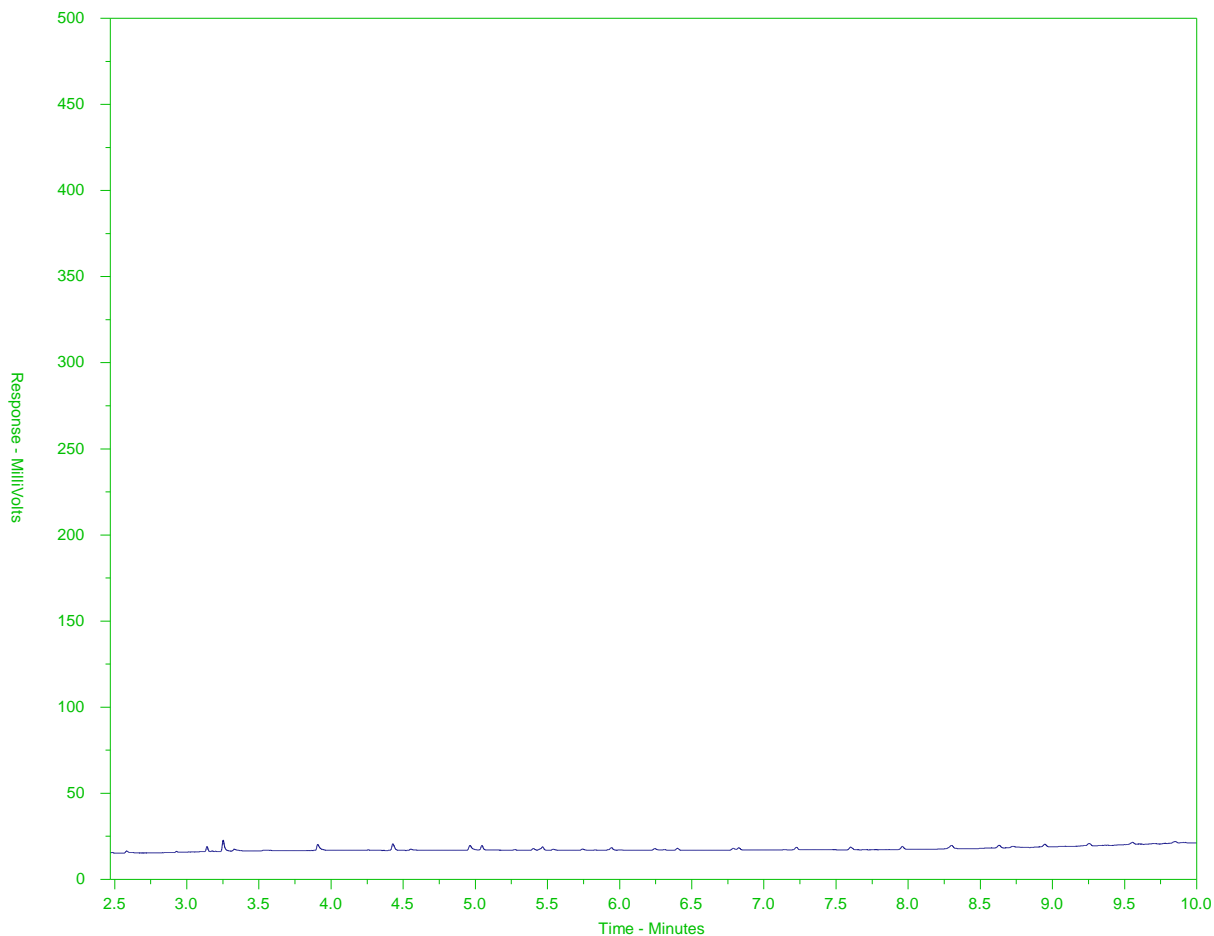
The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide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

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

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2148896-1
 Client Sample ID: SOURCE



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →		← Motor Oils/ Lube Oils/ Grease →	
← Diesel/ Jet Fuels →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

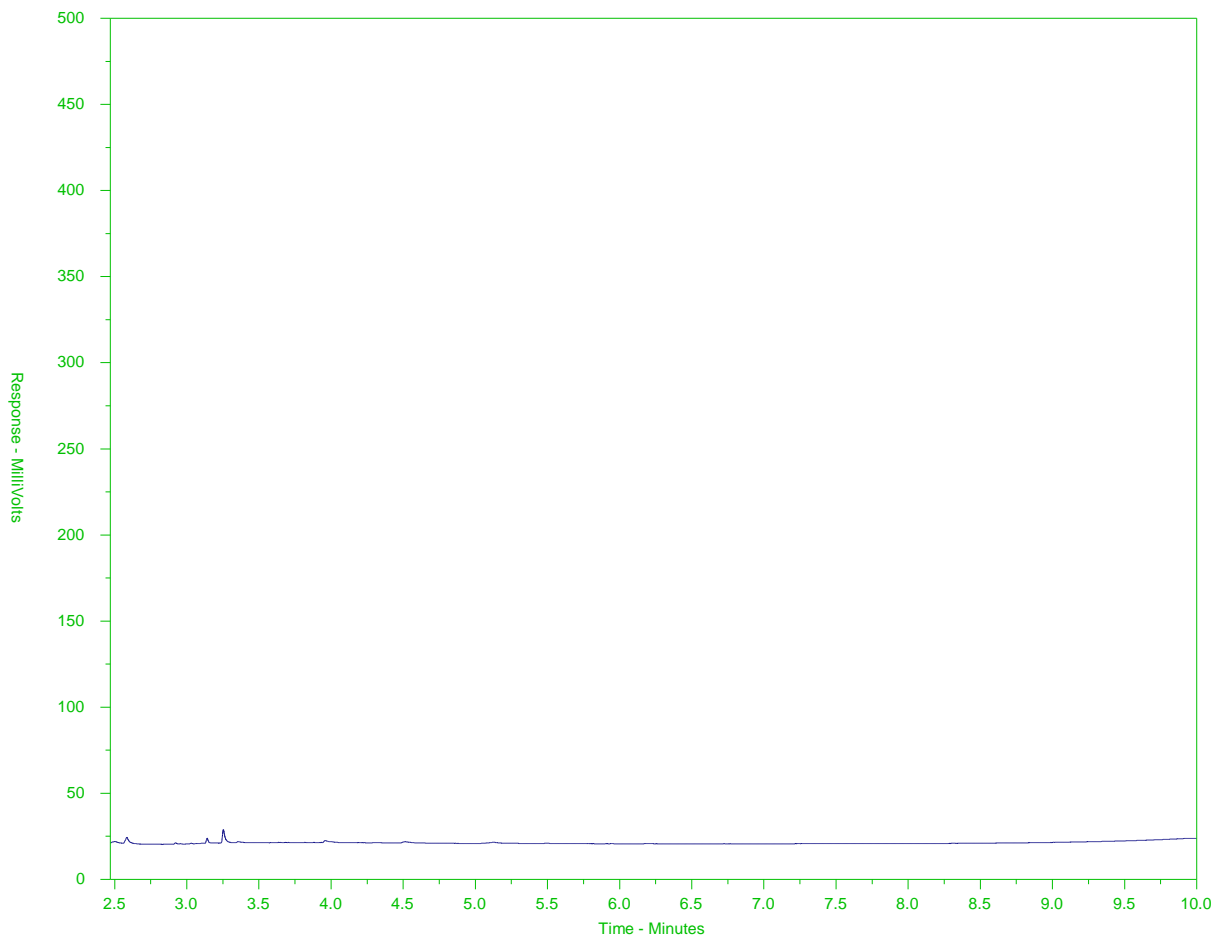
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2148896-2
 Client Sample ID: WNW



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →		← Motor Oils/ Lube Oils/ Grease →	
← Diesel/ Jet Fuels →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

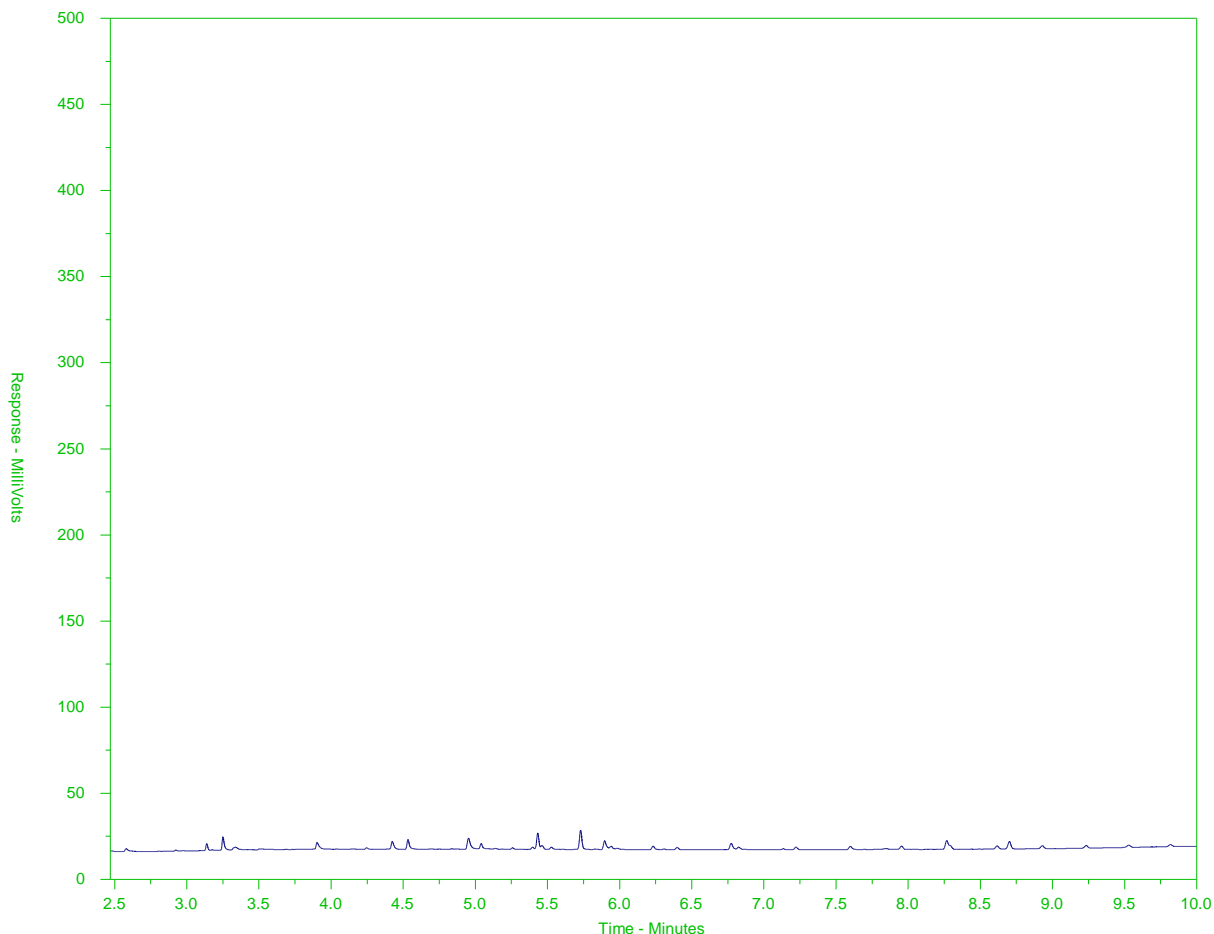
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2148896-3
 Client Sample ID: NORTH



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →		← Motor Oils/ Lube Oils/ Grease →	
← Diesel/ Jet Fuels →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

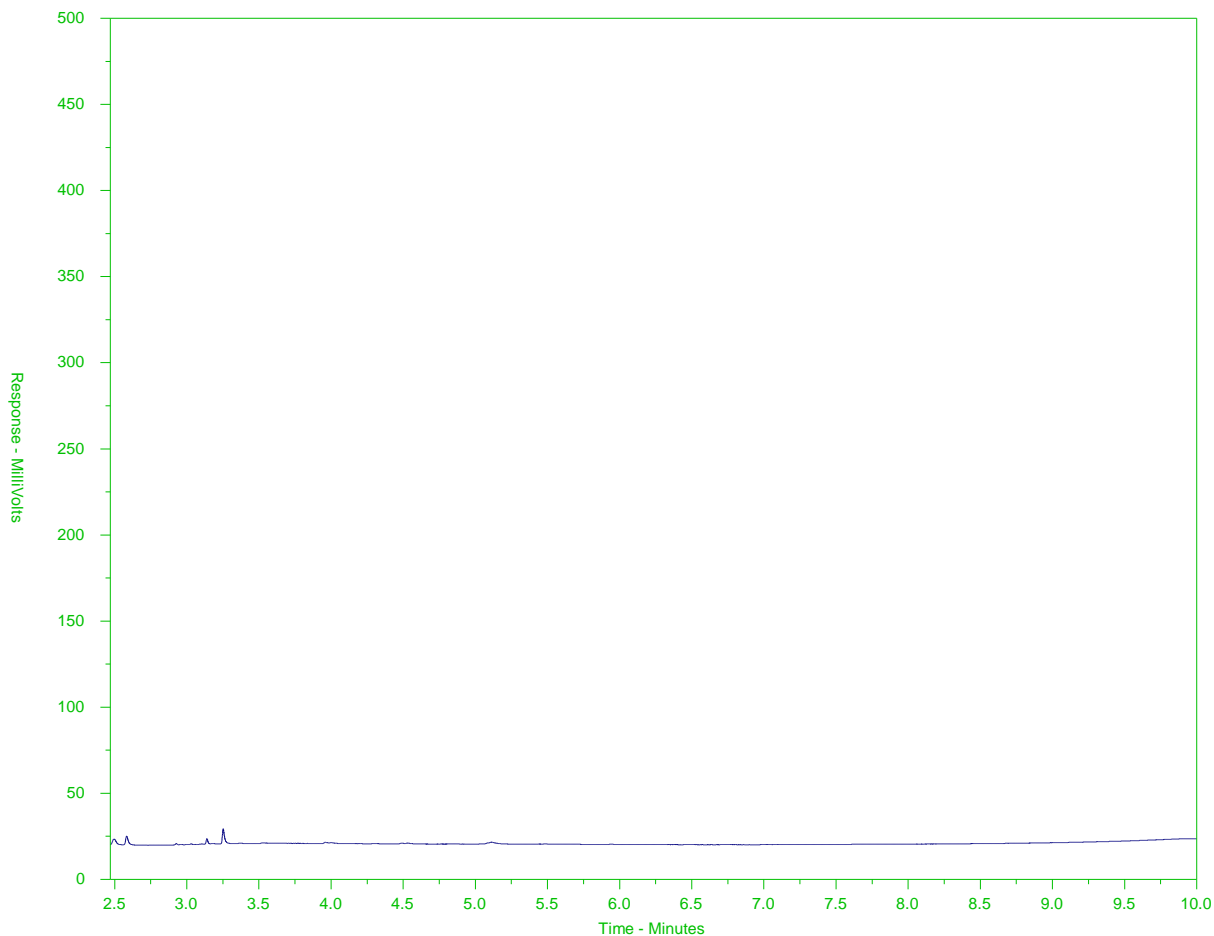
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2148896-4
 Client Sample ID: ENE



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →		← Motor Oils/ Lube Oils/ Grease →	
← Diesel/ Jet Fuels →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

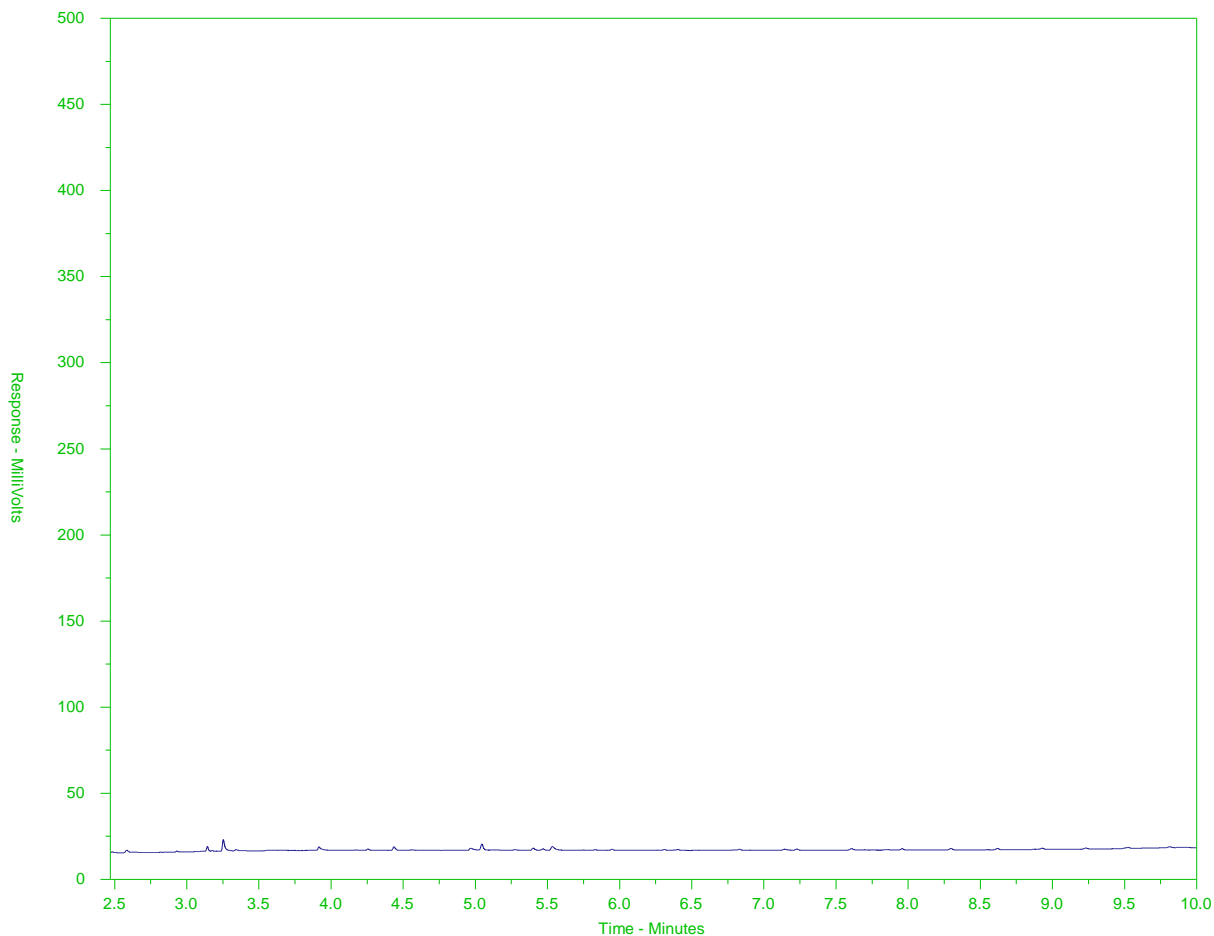
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2148896-5
 Client Sample ID: DUP-B



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →		← Motor Oils/ Lube Oils/ Grease →	
← Diesel/ Jet Fuels →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.



GOLDER ASSOCIATES LTD.
ATTN: John Sherrin / Arman Ospan
3795 Carey Road, Second Floor
Victoria BC V8Z 6T8

Date Received: 24-AUG-18
Report Date: 31-AUG-18 15:10 (MT)
Version: FINAL

Client Phone: 250-881-7372

Certificate of Analysis

Lab Work Order #: L2152840
Project P.O. #: NOT SUBMITTED
Job Reference: 1663724/14000/3
C of C Numbers:
Legal Site Desc:

Amber Springer, B.Sc
Account Manager

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ADDRESS: 8081 Lougheed Hwy, Suite 100, Burnaby, BC V5A 1W9 Canada | Phone: +1 604 253 4188 | Fax: +1 604 253 6700
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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID	L2152840-1 SEAWATER 21-AUG-18 08:50 SOURCE	L2152840-2 SEAWATER 21-AUG-18 09:00 WNW	L2152840-3 SEAWATER 21-AUG-18 09:05 NORTH	L2152840-4 SEAWATER 21-AUG-18 09:10 ENE	
Grouping	Analyte				
SEAWATER					
Physical Tests	Conductivity (uS/cm)	9460	12800	17000	9770
	Hardness (as CaCO3) (mg/L)	1020	1340	1610	1070
	pH (pH)	8.06	8.06	8.03	8.08
	Total Suspended Solids (mg/L)	<2.0	<2.0	<2.0	<2.0
	Turbidity (NTU)	0.74	0.91	0.57	0.46
Anions and Nutrients	Alkalinity, Total (as CaCO3) (mg/L)	98.9	99.3	96.5	97.2
	Ammonia, Total (as N) (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050
	Bromide (Br) (mg/L)	10.2	15.1	19.8	11.1
	Chloride (Cl) (mg/L)	2980	4240	5550	3190
	Fluoride (F) (mg/L)	<1.0	<1.0	<1.0	<1.0
	Nitrate (as N) (mg/L)	<0.50	<0.50	<0.50	<0.50
	Nitrite (as N) (mg/L)	<0.10	<0.10	<0.10	<0.10
	Total Kjeldahl Nitrogen (mg/L)	0.125	0.121	0.103	0.099
	Sulfate (SO4) (mg/L)	403	582	766	433
Organic / Inorganic Carbon	Total Organic Carbon (mg/L)	1.56	1.48	1.18	1.50
Total Metals	Aluminum (Al)-Total (mg/L)	0.0186	0.0184	0.0169	0.0114
	Antimony (Sb)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Arsenic (As)-Total (mg/L)	<0.0020	<0.0020	<0.0020	<0.0020
	Barium (Ba)-Total (mg/L)	0.0053	0.0058	0.0061	0.0059
	Beryllium (Be)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Bismuth (Bi)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Boron (B)-Total (mg/L)	0.72	0.98	0.98	0.79
	Cadmium (Cd)-Total (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050
	Calcium (Ca)-Total (mg/L)	84.3	103	99.3	87.0
	Cesium (Cs)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Chromium (Cr)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Cobalt (Co)-Total (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050
	Copper (Cu)-Total (mg/L)	<0.00050	0.00085	<0.00050	<0.00050
	Gallium (Ga)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Iron (Fe)-Total (mg/L)	0.022	0.029	0.023	0.011
	Lead (Pb)-Total (mg/L)	<0.00030	<0.00030	<0.00030	<0.00030
	Lithium (Li)-Total (mg/L)	0.031	0.041	0.042	0.034
	Magnesium (Mg)-Total (mg/L)	201	267	267	206
	Manganese (Mn)-Total (mg/L)	0.00111	0.00125	0.00118	0.00089
	Mercury (Hg)-Total (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Molybdenum (Mo)-Total (mg/L)	<0.0020	0.0027	0.0026	0.0022

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID		L2152840-1 SEAWATER 21-AUG-18 08:50 SOURCE	L2152840-2 SEAWATER 21-AUG-18 09:00 WNW	L2152840-3 SEAWATER 21-AUG-18 09:05 NORTH	L2152840-4 SEAWATER 21-AUG-18 09:10 ENE
Grouping	Analyte				
SEAWATER					
Total Metals	Nickel (Ni)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Phosphorus (P)-Total (mg/L)	<0.050	<0.050	<0.050	<0.050
	Potassium (K)-Total (mg/L)	59.6	79.0	76.4	62.6
	Rhenium (Re)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Rubidium (Rb)-Total (mg/L)	0.0203	0.0270	0.0267	0.0222
	Selenium (Se)-Total (mg/L)	<0.0020	<0.0020	<0.0020	<0.0020
	Silicon (Si)-Total (mg/L)	<1.0	<1.0	<1.0	<1.0
	Silver (Ag)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010
	Sodium (Na)-Total (mg/L)	1580	2110	2030	1650
	Strontium (Sr)-Total (mg/L)	1.27	1.67	1.59	1.26
	Sulfur (S)-Total (mg/L)	141	191	187	142
	Tellurium (Te)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Thallium (Tl)-Total (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050
	Thorium (Th)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Tin (Sn)-Total (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010
	Titanium (Ti)-Total (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050
	Tungsten (W)-Total (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010
	Uranium (U)-Total (mg/L)	0.00187	0.00224	0.00200	0.00188
	Vanadium (V)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Yttrium (Y)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Zinc (Zn)-Total (mg/L)	<0.0030	<0.0030	<0.0030	<0.0030
	Zirconium (Zr)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
Dissolved Metals	Dissolved Mercury Filtration Location	LAB	LAB	LAB	LAB
	Dissolved Metals Filtration Location	LAB	LAB	LAB	LAB
	Aluminum (Al)-Dissolved (mg/L)	<0.0050	<0.0050	<0.0050	0.0079
	Antimony (Sb)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Arsenic (As)-Dissolved (mg/L)	<0.0020	<0.0020	<0.0020	<0.0020
	Barium (Ba)-Dissolved (mg/L)	0.0054	0.0061	0.0059	0.0054
	Beryllium (Be)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Bismuth (Bi)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Boron (B)-Dissolved (mg/L)	0.73	1.00	1.17	0.78
	Cadmium (Cd)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050
	Calcium (Ca)-Dissolved (mg/L)	84.8	107	124	88.3
	Cesium (Cs)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Chromium (Cr)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Cobalt (Co)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050
	Copper (Cu)-Dissolved (mg/L)	<0.00050	0.00064	<0.00050	<0.00050

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID	L2152840-1 SEAWATER 21-AUG-18 08:50 SOURCE	L2152840-2 SEAWATER 21-AUG-18 09:00 WNW	L2152840-3 SEAWATER 21-AUG-18 09:05 NORTH	L2152840-4 SEAWATER 21-AUG-18 09:10 ENE	
Grouping	Analyte				
SEAWATER					
Dissolved Metals	Gallium (Ga)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Iron (Fe)-Dissolved (mg/L)	<0.010	<0.010	<0.010	0.013
	Lead (Pb)-Dissolved (mg/L)	<0.00030	<0.00030	<0.00030	<0.00030
	Lithium (Li)-Dissolved (mg/L)	0.033	0.043	0.050	0.033
	Magnesium (Mg)-Dissolved (mg/L)	197	260	316	206
	Manganese (Mn)-Dissolved (mg/L)	0.00059	0.00062	0.00067	0.00109
	Mercury (Hg)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Molybdenum (Mo)-Dissolved (mg/L)	<0.0020	0.0028	0.0031	0.0021
	Nickel (Ni)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Phosphorus (P)-Dissolved (mg/L)	<0.050	<0.050	<0.050	<0.050
	Potassium (K)-Dissolved (mg/L)	60	79	97	63
	Rhenium (Re)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Rubidium (Rb)-Dissolved (mg/L)	0.0213	0.0271	0.0316	0.0211
	Selenium (Se)-Dissolved (mg/L)	<0.0020	<0.0020	<0.0020	<0.0020
	Silicon (Si)-Dissolved (mg/L)	<1.0	<1.0	<1.0	<1.0
	Silver (Ag)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010
	Sodium (Na)-Dissolved (mg/L)	1580	2100	2610	1640
	Strontium (Sr)-Dissolved (mg/L)	1.21	1.66	1.82	1.23
	Sulfur (S)-Dissolved (mg/L)	141	185	231	147
	Tellurium (Te)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Thallium (Tl)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050
	Thorium (Th)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Tin (Sn)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010
	Titanium (Ti)-Dissolved (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050
	Tungsten (W)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010
	Uranium (U)-Dissolved (mg/L)	0.00188	0.00226	0.00203	0.00192
	Vanadium (V)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Yttrium (Y)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Zinc (Zn)-Dissolved (mg/L)	<0.0030	<0.0030	<0.0030	<0.0030
	Zirconium (Zr)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID	L2152840-1 SEAWATER 21-AUG-18 08:50 SOURCE	L2152840-2 SEAWATER 21-AUG-18 09:00 WNW	L2152840-3 SEAWATER 21-AUG-18 09:05 NORTH	L2152840-4 SEAWATER 21-AUG-18 09:10 ENE	
Grouping	Analyte				
WATER					
Bacteriological Tests	Coliform Bacteria - Fecal (CFU/100mL)	<1	<1	<1	<1
Hydrocarbons	EPH10-19 (mg/L)	<0.25	<0.25	<0.25	<0.25
	EPH19-32 (mg/L)	<0.25	<0.25	<0.25	<0.25
	LEPH (mg/L)	<0.25	<0.25	<0.25	<0.25
	HEPH (mg/L)	<0.25	<0.25	<0.25	<0.25
	Surrogate: 2-Bromobenzotrifluoride (%)	98.2	103.9	92.4	95.8
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Acenaphthylene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Acridine (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Anthracene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Benz(a)anthracene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Benzo(a)pyrene (mg/L)	<0.0000050	<0.0000050	<0.0000050	<0.0000050
	Benzo(b&j)fluoranthene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Benzo(b+j+k)fluoranthene (mg/L)	<0.000015	<0.000015	<0.000015	<0.000015
	Benzo(g,h,i)perylene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Benzo(k)fluoranthene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Chrysene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Dibenz(a,h)anthracene (mg/L)	<0.0000050	<0.0000050	<0.0000050	<0.0000050
	Fluoranthene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Fluorene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Indeno(1,2,3-c,d)pyrene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	1-Methylnaphthalene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050
	2-Methylnaphthalene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050
	Naphthalene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050
	Phenanthrene (mg/L)	<0.000020	<0.000020	<0.000020	<0.000020
	Pyrene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Quinoline (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050
	Surrogate: Acridine d9 (%)	74.8	73.8	70.0	75.3
	Surrogate: Chrysene d12 (%)	67.5	78.4	75.4	68.7
	Surrogate: Naphthalene d8 (%)	89.2	96.0	92.3	94.4
	Surrogate: Phenanthrene d10 (%)	94.3	98.9	95.1	95.4

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

Reference Information

QC Samples with Qualifiers & Comments:

QC Type Description	Parameter	Qualifier	Applies to Sample Number(s)
Matrix Spike	Magnesium (Mg)-Dissolved	MS-B	L2152840-1, -2, -3, -4
Matrix Spike	Sodium (Na)-Dissolved	MS-B	L2152840-1, -2, -3, -4
Matrix Spike	Strontium (Sr)-Dissolved	MS-B	L2152840-1, -2, -3, -4
Matrix Spike	Calcium (Ca)-Total	MS-B	L2152840-1, -2, -3, -4
Matrix Spike	Magnesium (Mg)-Total	MS-B	L2152840-1, -2, -3, -4
Matrix Spike	Potassium (K)-Total	MS-B	L2152840-1, -2, -3, -4
Matrix Spike	Rubidium (Rb)-Total	MS-B	L2152840-1, -2, -3, -4
Matrix Spike	Sodium (Na)-Total	MS-B	L2152840-1, -2, -3, -4
Matrix Spike	Strontium (Sr)-Total	MS-B	L2152840-1, -2, -3, -4

Qualifiers for Individual Parameters Listed:

Qualifier	Description
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
ALK-TITR-VA	Seawater	Alkalinity Spec by Titration (Seawater)	APHA 2320 Alkalinity
This analysis is carried out using procedures adapted from APHA Method 2320 "Alkalinity". Total alkalinity is determined by potentiometric titration to a pH 4.5 endpoint. Bicarbonate, carbonate and hydroxide alkalinity are calculated from phenolphthalein alkalinity and total alkalinity values.			
ANIONS-C-BR-IC-VA	Seawater	Bromide by IC (seawater)	EPA 300.1 (mod)
This analysis is carried out using procedures adapted from APHA Method 4110 B. "Ion Chromatography with Chemical Suppression of Eluent Conductivity" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography".			
ANIONS-C-CL-IC-VA	Seawater	Chloride by IC (seawater)	EPA 300.1 (mod)
This analysis is carried out using procedures adapted from APHA Method 4110 B. "Ion Chromatography with Chemical Suppression of Eluent Conductivity" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography".			
ANIONS-C-F-IC-VA	Seawater	Fluoride by IC (seawater)	EPA 300.1 (mod)
This analysis is carried out using procedures adapted from APHA Method 4110 B. "Ion Chromatography with Chemical Suppression of Eluent Conductivity" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography".			
ANIONS-C-NO2-IC-VA	Seawater	Nitrite in Seawater by IC	EPA 300.1 (mod)
This analysis is carried out using procedures adapted from EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography". Nitrite is detected by UV absorbance.			
ANIONS-C-NO3-IC-VA	Seawater	Nitrate in Seawater by IC	EPA 300.1 (mod)
This analysis is carried out using procedures adapted from EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography". Nitrate is detected by UV absorbance.			
ANIONS-C-SO4-IC-VA	Seawater	Sulfate by IC (seawater)	EPA 300.1 (mod)
This analysis is carried out using procedures adapted from APHA Method 4110 B. "Ion Chromatography with Chemical Suppression of Eluent Conductivity" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography".			
CARBONS-C-TOC-VA	Seawater	TOC by combustion (seawater)	APHA 5310B TOTAL ORGANIC CARBON (TOC)
This analysis is carried out using procedures adapted from APHA Method 5310 "Total Organic Carbon (TOC)".			
EC-C-PCT-VA	Seawater	Conductivity (Automated) (seawater)	APHA 2510 Auto. Conduc.
This analysis is carried out using procedures adapted from APHA Method 2510 "Conductivity". Conductivity is determined using a conductivity electrode.			
EPH-ME-FID-VA	Water	EPH in Water	BC Lab Manual
EPH is extracted from water using a hexane micro-extraction technique, with analysis by GC-FID, as per the BC Lab Manual. EPH results include PAHs and are therefore not equivalent to LEPH or HEPH.			
FCOLI-MF-ENV-VA	Water	Fecal coliform by membrane filtration	APHA METHOD 9222
This analysis is carried out using procedures adapted from APHA Method 9222 "Membrane Filter Technique for Members of the Coliform Group". Coliform bacteria is enumerated by culturing and colony counting. A known sample volume is filtered through a 0.45 micron membrane filter. The test involves an initial 24 hour incubation of the filter with the appropriate growth medium, positive results require further testing (up to an additional 48 hours) to confirm and quantify the total coliform. This method is used for non-turbid water with a low background bacteria level.			
HARDNESS-CALC-VA	Seawater	Hardness	APHA 2340B
Hardness (also known as Total Hardness) is calculated from the sum of Calcium and Magnesium concentrations, expressed in CaCO3 equivalents. Dissolved Calcium and Magnesium concentrations are preferentially used for the hardness calculation.			
HG-DIS-C-CVAFS-VA	Seawater	Diss. Mercury in Seawater by CVAFS	PUGET SOUND PROTOCOLS, EPA 245.7

Reference Information

This analysis is carried out using procedures adapted from "Recommended Guidelines for Measuring Metals in Puget Sound Marine Water, Sediment, and Tissue Samples" prepared for the United States Environmental Protection Agency and the Puget Sound Water Quality Authority, 1995. The procedures may involve preliminary sample treatment by filtration (EPA Method 3005A) and involves a cold-oxidation of the acidified seawater sample using bromine monochloride prior to reduction of the sample with stannous chloride. Instrumental analysis is by cold vapour atomic fluorescence spectrophotometry or atomic absorption spectrophotometry (EPA Method 245.7).

HG-TOT-C-CVAFS-VA Seawater Total Mercury in Seawater by CVAFS PUGET SOUND PROTOCOLS, EPA 245.7

This analysis is carried out using procedures adapted from "Recommended Guidelines for Measuring Metals in Puget Sound Marine Water, Sediment, and Tissue Samples" prepared for the United States Environmental Protection Agency and the Puget Sound Water Quality Authority, 1995. The procedure involves a cold-oxidation of the acidified seawater sample using bromine monochloride prior to reduction of the sample with stannous chloride. Instrumental analysis is by cold vapour atomic fluorescence spectrophotometry or atomic absorption spectrophotometry (EPA Method 245.7).

LEPH/HEPH-CALC-VA Water LEPHs and HEPHs BC MOE LEPH/HEPH

LEPHw and HEPHw are measures of Light and Heavy Extractable Petroleum Hydrocarbons in water. Results are calculated by subtraction of applicable PAH concentrations from EPH10-19 and EPH19-32, as per the BC Lab Manual LEPH/HEPH calculation procedure.

LEPHw = EPH10-19 minus Acenaphthene, Acridine, Anthracene, Fluorene, Naphthalene and Phenanthrene.

HEPH = EPH19-32 minus Benz(a)anthracene, Benzo(a)pyrene, Fluoranthene, and Pyrene.

MET-D-L-HRMS-VA Seawater Diss. Metals in Seawater by HR-ICPMS EPA 200.8

Trace metals in seawater are analyzed by high resolution inductively coupled plasma mass spectrometry (HR-ICPMS) based on US EPA Method 200.8, (Revision 5.5). The procedures may involve laboratory sample filtration based on APHA Method 3030B.

MET-T-L-HRMS-VA Seawater Tot. Metals in Seawater by HR-ICPMS EPA 200.8

Trace metals in seawater are analyzed by high resolution inductively coupled plasma mass spectrometry (HR-ICPMS) based on US EPA Method 200.8, (Revision 5.5). The procedures may involve preliminary sample treatment by acid digestion based on APHA Method 3030E.

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

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

PAH-ME-MS-VA Water PAHs in Water EPA 3511/8270D (mod)

PAHs are extracted from water using a hexane micro-extraction technique, with analysis by GC/MS. Because the two isomers cannot be readily separated chromatographically, benzo(j)fluoranthene is reported as part of the benzo(b)fluoranthene parameter.

PH-C-PCT-VA Seawater pH by Meter (Automated) (seawater) APHA 4500-H pH Value

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

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

TKN-C-F-VA Seawater TKN in Seawater by Fluorescence APHA 4500-NORG D.

This analysis is carried out using procedures adapted from APHA Method 4500-Norg D. "Block Digestion and Flow Injection Analysis". Total Kjeldahl Nitrogen is determined using block digestion followed by Flow-injection analysis with fluorescence detection.

TSS-C-VA Seawater Total Suspended Solids by Gravimetric APHA 2540 D

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

TURBIDITY-C-VA Seawater Turbidity by Meter in Seawater APHA 2130 Turbidity

This analysis is carried out using procedures adapted from APHA Method 2130 "Turbidity". Turbidity is determined by the nephelometric method.

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

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

Laboratory Definition Code	Laboratory Location
VA	ALS ENVIRONMENTAL - VANCOUVER, BRITISH COLUMBIA, CANADA

Chain of Custody Numbers:

Reference Information

GLOSSARY OF REPORT TERMS

Surrogate - A compound that is similar in behaviour to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

mg/kg - milligrams per kilogram based on dry weight of sample.

mg/kg wwt - milligrams per kilogram based on wet weight of sample.

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight of sample.

mg/L - milligrams per litre.

< - Less than.

D.L. - The reported Detection Limit, also known as the Limit of Reporting (LOR).

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.



Quality Control Report

Workorder: L2152840

Report Date: 31-AUG-18

Page 1 of 15

Client: GOLDER ASSOCIATES LTD.
3795 Carey Road, Second Floor
Victoria BC V8Z 6T8

Contact: John Sherrin / Arman Ospan

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
EPH-ME-FID-VA		Water						
Batch	R4191713							
WG2862959-2	LCS							
EPH10-19			113.7		%		70-130	30-AUG-18
EPH19-32			111.7		%		70-130	30-AUG-18
WG2862959-1	MB							
EPH10-19			<0.25		mg/L		0.25	30-AUG-18
EPH19-32			<0.25		mg/L		0.25	30-AUG-18
Surrogate: 2-Bromobenzotrifluoride			90.4		%		60-140	30-AUG-18
FCOLI-MF-ENV-VA		Water						
Batch	R4185736							
WG2858735-2	MB							
Coliform Bacteria - Fecal			<1		CFU/100mL		1	24-AUG-18
PAH-ME-MS-VA		Water						
Batch	R4193448							
WG2862959-2	LCS							
Acenaphthene			70.4		%		60-130	31-AUG-18
Acenaphthylene			74.5		%		60-130	31-AUG-18
Acridine			63.5		%		60-130	31-AUG-18
Anthracene			81.0		%		60-130	31-AUG-18
Benz(a)anthracene			80.6		%		60-130	31-AUG-18
Benzo(a)pyrene			77.1		%		60-130	31-AUG-18
Benzo(b&j)fluoranthene			72.3		%		60-130	31-AUG-18
Benzo(g,h,i)perylene			80.1		%		60-130	31-AUG-18
Benzo(k)fluoranthene			82.2		%		60-130	31-AUG-18
Chrysene			84.5		%		60-130	31-AUG-18
Dibenz(a,h)anthracene			86.1		%		60-130	31-AUG-18
Fluoranthene			83.3		%		60-130	31-AUG-18
Fluorene			77.4		%		60-130	31-AUG-18
Indeno(1,2,3-c,d)pyrene			82.7		%		60-130	31-AUG-18
1-Methylnaphthalene			64.5		%		60-130	31-AUG-18
2-Methylnaphthalene			60.1		%		60-130	31-AUG-18
Naphthalene			63.4		%		50-130	31-AUG-18
Phenanthrene			82.2		%		60-130	31-AUG-18
Pyrene			82.9		%		60-130	31-AUG-18
Quinoline			80.6		%		60-130	31-AUG-18
WG2862959-1	MB							



Quality Control Report

Workorder: L2152840

Report Date: 31-AUG-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-ME-MS-VA								
	Water							
Batch	R4193448							
WG2862959-1	MB							
Acenaphthene			<0.000010		mg/L		0.00001	31-AUG-18
Acenaphthylene			<0.000010		mg/L		0.00001	31-AUG-18
Acridine			<0.000010		mg/L		0.00001	31-AUG-18
Anthracene			<0.000010		mg/L		0.00001	31-AUG-18
Benz(a)anthracene			<0.000010		mg/L		0.00001	31-AUG-18
Benzo(a)pyrene			<0.0000050		mg/L		0.000005	31-AUG-18
Benzo(b&j)fluoranthene			<0.000010		mg/L		0.00001	31-AUG-18
Benzo(g,h,i)perylene			<0.000010		mg/L		0.00001	31-AUG-18
Benzo(k)fluoranthene			<0.000010		mg/L		0.00001	31-AUG-18
Chrysene			<0.000010		mg/L		0.00001	31-AUG-18
Dibenz(a,h)anthracene			<0.0000050		mg/L		0.000005	31-AUG-18
Fluoranthene			<0.000010		mg/L		0.00001	31-AUG-18
Fluorene			<0.000010		mg/L		0.00001	31-AUG-18
Indeno(1,2,3-c,d)pyrene			<0.000010		mg/L		0.00001	31-AUG-18
1-Methylnaphthalene			<0.000050		mg/L		0.00005	31-AUG-18
2-Methylnaphthalene			<0.000050		mg/L		0.00005	31-AUG-18
Naphthalene			<0.000050		mg/L		0.00005	31-AUG-18
Phenanthrene			<0.000020		mg/L		0.00002	31-AUG-18
Pyrene			<0.000010		mg/L		0.00001	31-AUG-18
Quinoline			<0.000050		mg/L		0.00005	31-AUG-18
Surrogate: Acridine d9			79.8		%		60-130	31-AUG-18
Surrogate: Chrysene d12			100.7		%		60-130	31-AUG-18
Surrogate: Naphthalene d8			93.1		%		50-130	31-AUG-18
Surrogate: Phenanthrene d10			98.0		%		60-130	31-AUG-18
ALK-TITR-VA								
	Seawater							
Batch	R4194452							
WG2861704-3	CRM	VA-ALK-TITR-CONTROL						
Alkalinity, Total (as CaCO3)			100.2		%		85-115	30-AUG-18
WG2861704-1	MB							
Alkalinity, Total (as CaCO3)			<1.0		mg/L		1	30-AUG-18
ANIONS-C-BR-IC-VA								
	Seawater							
Batch	R4194598							
WG2861700-2	LCS							
Bromide (Br)			104.0		%		85-115	29-AUG-18
WG2861700-1	MB							

Quality Control Report

Workorder: L2152840

Report Date: 31-AUG-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
ANIONS-C-BR-IC-VA	Seawater							
Batch	R4194598							
WG2861700-1 MB								
Bromide (Br)			<5.0		mg/L		5	29-AUG-18
ANIONS-C-CL-IC-VA	Seawater							
Batch	R4194598							
WG2861700-2 LCS								
Chloride (Cl)			100.4		%		90-110	29-AUG-18
WG2861700-1 MB								
Chloride (Cl)			<50		mg/L		50	29-AUG-18
ANIONS-C-F-IC-VA	Seawater							
Batch	R4194598							
WG2861700-2 LCS								
Fluoride (F)			99.8		%		90-110	29-AUG-18
WG2861700-1 MB								
Fluoride (F)			<1.0		mg/L		1	29-AUG-18
ANIONS-C-NO2-IC-VA	Seawater							
Batch	R4194598							
WG2861700-2 LCS								
Nitrite (as N)			100.7		%		90-110	29-AUG-18
WG2861700-1 MB								
Nitrite (as N)			<0.10		mg/L		0.1	29-AUG-18
ANIONS-C-NO3-IC-VA	Seawater							
Batch	R4194598							
WG2861700-2 LCS								
Nitrate (as N)			100.6		%		90-110	29-AUG-18
WG2861700-1 MB								
Nitrate (as N)			<0.50		mg/L		0.5	29-AUG-18
ANIONS-C-SO4-IC-VA	Seawater							
Batch	R4194598							
WG2861700-2 LCS								
Sulfate (SO4)			100.7		%		90-110	29-AUG-18
WG2861700-1 MB								
Sulfate (SO4)			<30		mg/L		30	29-AUG-18
CARBONS-C-TOC-VA	Seawater							

Quality Control Report

Workorder: L2152840

Report Date: 31-AUG-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
CARBONS-C-TOC-VA								
	Seawater							
Batch	R4188929							
WG2861170-1	DUP	L2152840-4						
Total Organic Carbon		1.50	1.51		mg/L	0.7	20	27-AUG-18
WG2861170-4	LCS							
Total Organic Carbon			97.4		%		80-120	27-AUG-18
WG2861170-3	MB							
Total Organic Carbon			<0.50		mg/L		0.5	27-AUG-18
EC-C-PCT-VA								
	Seawater							
Batch	R4194452							
WG2861704-4	CRM	VA-EC-PCT-CONTROL						
Conductivity			99.0		%		90-110	30-AUG-18
WG2861704-1	MB							
Conductivity			<2.0		uS/cm		2	30-AUG-18
HG-DIS-C-CVAFS-VA								
	Seawater							
Batch	R4182927							
WG2859683-2	LCS							
Mercury (Hg)-Dissolved			97.1		%		80-120	25-AUG-18
WG2859683-1	MB	LF						
Mercury (Hg)-Dissolved			<0.000010		mg/L		0.00001	25-AUG-18
WG2859683-4	MS	L2152840-2						
Mercury (Hg)-Dissolved			96.4		%		70-130	25-AUG-18
HG-TOT-C-CVAFS-VA								
	Seawater							
Batch	R4184632							
WG2860762-2	LCS							
Mercury (Hg)-Total			101.0		%		80-120	27-AUG-18
WG2860762-1	MB							
Mercury (Hg)-Total			<0.000010		mg/L		0.00001	27-AUG-18
MET-D-L-HRMS-VA								
	Seawater							
Batch	R4191429							
WG2859780-2	LCS							
Aluminum (Al)-Dissolved			93.3		%		80-120	29-AUG-18
Antimony (Sb)-Dissolved			96.5		%		80-120	29-AUG-18
Arsenic (As)-Dissolved			97.7		%		80-120	29-AUG-18
Barium (Ba)-Dissolved			99.2		%		80-120	29-AUG-18
Beryllium (Be)-Dissolved			95.8		%		80-120	29-AUG-18
Bismuth (Bi)-Dissolved			100.9		%		80-120	29-AUG-18
Boron (B)-Dissolved			113.4		%		80-120	29-AUG-18
Cadmium (Cd)-Dissolved			101.0		%		80-120	29-AUG-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-D-L-HRMS-VA		Seawater						
Batch	R4191429							
WG2859780-2	LCS							
Calcium (Ca)-Dissolved			88.4		%		80-120	29-AUG-18
Cesium (Cs)-Dissolved			100.2		%		80-120	29-AUG-18
Chromium (Cr)-Dissolved			95.2		%		80-120	29-AUG-18
Cobalt (Co)-Dissolved			93.6		%		80-120	29-AUG-18
Copper (Cu)-Dissolved			93.6		%		80-120	29-AUG-18
Gallium (Ga)-Dissolved			96.4		%		80-120	29-AUG-18
Iron (Fe)-Dissolved			96.4		%		80-120	29-AUG-18
Lead (Pb)-Dissolved			106.6		%		80-120	29-AUG-18
Lithium (Li)-Dissolved			97.6		%		80-120	29-AUG-18
Magnesium (Mg)-Dissolved			100.5		%		80-120	29-AUG-18
Manganese (Mn)-Dissolved			100.8		%		80-120	29-AUG-18
Molybdenum (Mo)-Dissolved			100.4		%		80-120	29-AUG-18
Nickel (Ni)-Dissolved			91.2		%		80-120	29-AUG-18
Phosphorus (P)-Dissolved			98.9		%		80-120	29-AUG-18
Potassium (K)-Dissolved			103.7		%		80-120	29-AUG-18
Rhenium (Re)-Dissolved			102.0		%		80-120	29-AUG-18
Rubidium (Rb)-Dissolved			102.0		%		80-120	29-AUG-18
Selenium (Se)-Dissolved			94.0		%		80-120	29-AUG-18
Silicon (Si)-Dissolved			112.7		%		80-120	29-AUG-18
Silver (Ag)-Dissolved			95.9		%		80-120	29-AUG-18
Sodium (Na)-Dissolved			115.4		%		80-120	29-AUG-18
Strontium (Sr)-Dissolved			93.6		%		80-120	29-AUG-18
Sulfur (S)-Dissolved			97.4		%		80-120	29-AUG-18
Tellurium (Te)-Dissolved			103.0		%		80-120	29-AUG-18
Thallium (Tl)-Dissolved			95.5		%		80-120	29-AUG-18
Thorium (Th)-Dissolved			97.7		%		80-120	29-AUG-18
Tin (Sn)-Dissolved			102.8		%		80-120	29-AUG-18
Titanium (Ti)-Dissolved			92.8		%		80-120	29-AUG-18
Tungsten (W)-Dissolved			98.2		%		80-120	29-AUG-18
Uranium (U)-Dissolved			104.0		%		80-120	29-AUG-18
Vanadium (V)-Dissolved			96.6		%		80-120	29-AUG-18
Yttrium (Y)-Dissolved			97.1		%		80-120	29-AUG-18
Zinc (Zn)-Dissolved			91.8		%		80-120	29-AUG-18
Zirconium (Zr)-Dissolved			95.0		%		80-120	29-AUG-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-D-L-HRMS-VA	Seawater							
Batch	R4191429							
WG2859780-1 MB		LF						
Aluminum (Al)-Dissolved			<0.0050		mg/L		0.005	29-AUG-18
Antimony (Sb)-Dissolved			<0.00050		mg/L		0.0005	29-AUG-18
Arsenic (As)-Dissolved			<0.0020		mg/L		0.002	29-AUG-18
Barium (Ba)-Dissolved			<0.0010		mg/L		0.001	29-AUG-18
Beryllium (Be)-Dissolved			<0.00050		mg/L		0.0005	29-AUG-18
Bismuth (Bi)-Dissolved			<0.00050		mg/L		0.0005	29-AUG-18
Boron (B)-Dissolved			<0.10		mg/L		0.1	29-AUG-18
Cadmium (Cd)-Dissolved			<0.000050		mg/L		0.00005	29-AUG-18
Calcium (Ca)-Dissolved			<1.0		mg/L		1	29-AUG-18
Cesium (Cs)-Dissolved			<0.00050		mg/L		0.0005	29-AUG-18
Chromium (Cr)-Dissolved			<0.00050		mg/L		0.0005	29-AUG-18
Cobalt (Co)-Dissolved			<0.000050		mg/L		0.00005	29-AUG-18
Copper (Cu)-Dissolved			<0.00050		mg/L		0.0005	29-AUG-18
Gallium (Ga)-Dissolved			<0.00050		mg/L		0.0005	29-AUG-18
Iron (Fe)-Dissolved			<0.010		mg/L		0.01	29-AUG-18
Lead (Pb)-Dissolved			<0.00030		mg/L		0.0003	29-AUG-18
Lithium (Li)-Dissolved			<0.020		mg/L		0.02	29-AUG-18
Magnesium (Mg)-Dissolved			<1.0		mg/L		1	29-AUG-18
Manganese (Mn)-Dissolved			<0.00020		mg/L		0.0002	29-AUG-18
Molybdenum (Mo)-Dissolved			<0.0020		mg/L		0.002	29-AUG-18
Nickel (Ni)-Dissolved			<0.00050		mg/L		0.0005	29-AUG-18
Phosphorus (P)-Dissolved			<0.050		mg/L		0.05	29-AUG-18
Potassium (K)-Dissolved			<1.0		mg/L		1	29-AUG-18
Rhenium (Re)-Dissolved			<0.00050		mg/L		0.0005	29-AUG-18
Rubidium (Rb)-Dissolved			<0.0050		mg/L		0.005	29-AUG-18
Selenium (Se)-Dissolved			<0.0020		mg/L		0.002	29-AUG-18
Silicon (Si)-Dissolved			<1.0		mg/L		1	29-AUG-18
Silver (Ag)-Dissolved			<0.00010		mg/L		0.0001	29-AUG-18
Sodium (Na)-Dissolved			<1.0		mg/L		1	29-AUG-18
Strontium (Sr)-Dissolved			<0.010		mg/L		0.01	29-AUG-18
Sulfur (S)-Dissolved			<5.0		mg/L		5	29-AUG-18
Tellurium (Te)-Dissolved			<0.00050		mg/L		0.0005	29-AUG-18
Thallium (Tl)-Dissolved			<0.000050		mg/L		0.00005	29-AUG-18
Thorium (Th)-Dissolved			<0.00050		mg/L		0.0005	29-AUG-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-D-L-HRMS-VA		Seawater						
Batch	R4191429							
WG2859780-1	MB	LF						
Tin (Sn)-Dissolved			<0.0010		mg/L		0.001	29-AUG-18
Titanium (Ti)-Dissolved			<0.0050		mg/L		0.005	29-AUG-18
Tungsten (W)-Dissolved			<0.0010		mg/L		0.001	29-AUG-18
Uranium (U)-Dissolved			<0.000050		mg/L		0.00005	29-AUG-18
Vanadium (V)-Dissolved			<0.00050		mg/L		0.0005	29-AUG-18
Yttrium (Y)-Dissolved			<0.00050		mg/L		0.0005	29-AUG-18
Zinc (Zn)-Dissolved			<0.0030		mg/L		0.003	29-AUG-18
Zirconium (Zr)-Dissolved			<0.00050		mg/L		0.0005	29-AUG-18
Batch	R4193248							
WG2859780-3	DUP	L2152840-2						
Aluminum (Al)-Dissolved		<0.0050	0.0090	RPD-NA	mg/L	N/A	20	29-AUG-18
Antimony (Sb)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	29-AUG-18
Arsenic (As)-Dissolved		<0.0020	<0.0020	RPD-NA	mg/L	N/A	20	29-AUG-18
Barium (Ba)-Dissolved		0.0061	0.0062		mg/L	0.8	20	29-AUG-18
Beryllium (Be)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	29-AUG-18
Bismuth (Bi)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	29-AUG-18
Boron (B)-Dissolved		1.00	1.01		mg/L	0.9	20	29-AUG-18
Cadmium (Cd)-Dissolved		<0.000050	<0.000050	RPD-NA	mg/L	N/A	20	29-AUG-18
Calcium (Ca)-Dissolved		107	108		mg/L	1.4	20	29-AUG-18
Cesium (Cs)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	29-AUG-18
Chromium (Cr)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	29-AUG-18
Cobalt (Co)-Dissolved		<0.000050	<0.000050	RPD-NA	mg/L	N/A	20	29-AUG-18
Copper (Cu)-Dissolved		0.00064	0.00074		mg/L	15	20	29-AUG-18
Gallium (Ga)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	29-AUG-18
Iron (Fe)-Dissolved		<0.010	<0.010	RPD-NA	mg/L	N/A	20	29-AUG-18
Lead (Pb)-Dissolved		<0.00030	<0.00030	RPD-NA	mg/L	N/A	20	29-AUG-18
Lithium (Li)-Dissolved		0.043	0.043		mg/L	0.5	20	29-AUG-18
Magnesium (Mg)-Dissolved		260	267		mg/L	2.7	20	29-AUG-18
Manganese (Mn)-Dissolved		0.00062	0.00075		mg/L	19	20	29-AUG-18
Molybdenum (Mo)-Dissolved		0.0028	0.0027		mg/L	4.8	20	29-AUG-18
Nickel (Ni)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	29-AUG-18
Phosphorus (P)-Dissolved		<0.050	<0.050	RPD-NA	mg/L	N/A	20	29-AUG-18
Potassium (K)-Dissolved		79	80		mg/L	1.2	20	29-AUG-18
Rhenium (Re)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	29-AUG-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-D-L-HRMS-VA		Seawater						
Batch	R4193248							
WG2859780-3	DUP	L2152840-2						
Rubidium (Rb)-Dissolved		0.0271	0.0275		mg/L	1.5	20	29-AUG-18
Selenium (Se)-Dissolved		<0.0020	<0.0020	RPD-NA	mg/L	N/A	20	29-AUG-18
Silicon (Si)-Dissolved		<1.0	<1.0	RPD-NA	mg/L	N/A	20	29-AUG-18
Silver (Ag)-Dissolved		<0.00010	<0.00010	RPD-NA	mg/L	N/A	20	29-AUG-18
Sodium (Na)-Dissolved		2100	2170		mg/L	3.4	20	29-AUG-18
Strontium (Sr)-Dissolved		1.66	1.60		mg/L	3.4	20	29-AUG-18
Sulfur (S)-Dissolved		185	193		mg/L	3.9	20	29-AUG-18
Tellurium (Te)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	29-AUG-18
Thallium (Tl)-Dissolved		<0.000050	<0.000050	RPD-NA	mg/L	N/A	20	29-AUG-18
Thorium (Th)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	29-AUG-18
Tin (Sn)-Dissolved		<0.0010	<0.0010	RPD-NA	mg/L	N/A	20	29-AUG-18
Titanium (Ti)-Dissolved		<0.0050	<0.0050	RPD-NA	mg/L	N/A	20	29-AUG-18
Tungsten (W)-Dissolved		<0.0010	<0.0010	RPD-NA	mg/L	N/A	20	29-AUG-18
Uranium (U)-Dissolved		0.00226	0.00238		mg/L	5.2	20	29-AUG-18
Vanadium (V)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	29-AUG-18
Yttrium (Y)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	29-AUG-18
Zinc (Zn)-Dissolved		<0.0030	0.0050	RPD-NA	mg/L	N/A	20	29-AUG-18
Zirconium (Zr)-Dissolved		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	29-AUG-18
WG2859780-4	MS	L2152840-1						
Aluminum (Al)-Dissolved			102.4		%		70-130	29-AUG-18
Antimony (Sb)-Dissolved			104.1		%		70-130	29-AUG-18
Arsenic (As)-Dissolved			94.8		%		70-130	29-AUG-18
Barium (Ba)-Dissolved			99.8		%		70-130	29-AUG-18
Beryllium (Be)-Dissolved			98.0		%		70-130	29-AUG-18
Bismuth (Bi)-Dissolved			95.1		%		70-130	29-AUG-18
Boron (B)-Dissolved			98.7		%		70-130	29-AUG-18
Cadmium (Cd)-Dissolved			95.2		%		70-130	29-AUG-18
Calcium (Ca)-Dissolved			100.6		%		70-130	29-AUG-18
Cesium (Cs)-Dissolved			101.5		%		70-130	29-AUG-18
Chromium (Cr)-Dissolved			96.8		%		70-130	29-AUG-18
Cobalt (Co)-Dissolved			98.8		%		70-130	29-AUG-18
Copper (Cu)-Dissolved			97.3		%		70-130	29-AUG-18
Gallium (Ga)-Dissolved			99.6		%		70-130	29-AUG-18
Iron (Fe)-Dissolved			99.6		%		70-130	29-AUG-18

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MET-D-L-HRMS-VA								
	Seawater							
Batch	R4193248							
WG2859780-4 MS		L2152840-1						
Lead (Pb)-Dissolved			97.4		%		70-130	29-AUG-18
Lithium (Li)-Dissolved			105.8		%		70-130	29-AUG-18
Magnesium (Mg)-Dissolved			N/A	MS-B	%		-	29-AUG-18
Manganese (Mn)-Dissolved			103.4		%		70-130	29-AUG-18
Molybdenum (Mo)-Dissolved			104.4		%		70-130	29-AUG-18
Nickel (Ni)-Dissolved			96.9		%		70-130	29-AUG-18
Phosphorus (P)-Dissolved			101.6		%		70-130	29-AUG-18
Potassium (K)-Dissolved			94.5		%		70-130	29-AUG-18
Rhenium (Re)-Dissolved			94.0		%		70-130	29-AUG-18
Rubidium (Rb)-Dissolved			102.7		%		70-130	29-AUG-18
Selenium (Se)-Dissolved			98.4		%		70-130	29-AUG-18
Silver (Ag)-Dissolved			91.8		%		70-130	29-AUG-18
Sodium (Na)-Dissolved			N/A	MS-B	%		-	29-AUG-18
Strontium (Sr)-Dissolved			N/A	MS-B	%		-	29-AUG-18
Tellurium (Te)-Dissolved			102.0		%		70-130	29-AUG-18
Thallium (Tl)-Dissolved			92.9		%		70-130	29-AUG-18
Thorium (Th)-Dissolved			101.4		%		70-130	29-AUG-18
Tin (Sn)-Dissolved			103.5		%		70-130	29-AUG-18
Titanium (Ti)-Dissolved			102.4		%		70-130	29-AUG-18
Tungsten (W)-Dissolved			96.0		%		70-130	29-AUG-18
Uranium (U)-Dissolved			99.6		%		70-130	29-AUG-18
Vanadium (V)-Dissolved			102.7		%		70-130	29-AUG-18
Yttrium (Y)-Dissolved			103.0		%		70-130	29-AUG-18
Zinc (Zn)-Dissolved			96.9		%		70-130	29-AUG-18
Zirconium (Zr)-Dissolved			105.0		%		70-130	29-AUG-18
MET-T-L-HRMS-VA								
	Seawater							
Batch	R4191429							
WG2860197-2 LCS								
Aluminum (Al)-Total			91.1		%		80-120	29-AUG-18
Antimony (Sb)-Total			93.8		%		80-120	29-AUG-18
Arsenic (As)-Total			95.9		%		80-120	29-AUG-18
Barium (Ba)-Total			95.6		%		80-120	29-AUG-18
Beryllium (Be)-Total			94.2		%		80-120	29-AUG-18
Bismuth (Bi)-Total			95.5		%		80-120	29-AUG-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-T-L-HRMS-VA	Seawater							
Batch	R4191429							
WG2860197-2	LCS							
Boron (B)-Total			106.5		%		80-120	29-AUG-18
Cadmium (Cd)-Total			95.5		%		80-120	29-AUG-18
Calcium (Ca)-Total			90.3		%		80-120	29-AUG-18
Cesium (Cs)-Total			95.8		%		80-120	29-AUG-18
Chromium (Cr)-Total			90.4		%		80-120	29-AUG-18
Cobalt (Co)-Total			92.0		%		80-120	29-AUG-18
Copper (Cu)-Total			90.4		%		80-120	29-AUG-18
Gallium (Ga)-Total			94.0		%		80-120	29-AUG-18
Iron (Fe)-Total			94.7		%		80-120	29-AUG-18
Lead (Pb)-Total			100.8		%		80-120	29-AUG-18
Lithium (Li)-Total			93.2		%		80-120	29-AUG-18
Magnesium (Mg)-Total			96.0		%		80-120	29-AUG-18
Manganese (Mn)-Total			98.0		%		80-120	29-AUG-18
Molybdenum (Mo)-Total			95.2		%		80-120	29-AUG-18
Nickel (Ni)-Total			91.8		%		80-120	29-AUG-18
Phosphorus (P)-Total			97.8		%		80-120	29-AUG-18
Potassium (K)-Total			101.2		%		80-120	29-AUG-18
Rhenium (Re)-Total			98.8		%		80-120	29-AUG-18
Rubidium (Rb)-Total			100.0		%		80-120	29-AUG-18
Selenium (Se)-Total			93.6		%		80-120	29-AUG-18
Silicon (Si)-Total			110.1		%		80-120	29-AUG-18
Silver (Ag)-Total			91.1		%		80-120	29-AUG-18
Sodium (Na)-Total			118.6		%		80-120	29-AUG-18
Strontium (Sr)-Total			95.2		%		80-120	29-AUG-18
Sulfur (S)-Total			96.9		%		70-130	29-AUG-18
Tellurium (Te)-Total			99.0		%		80-120	29-AUG-18
Thallium (Tl)-Total			91.9		%		80-120	29-AUG-18
Thorium (Th)-Total			95.9		%		80-120	29-AUG-18
Tin (Sn)-Total			95.4		%		80-120	29-AUG-18
Titanium (Ti)-Total			93.6		%		80-120	29-AUG-18
Tungsten (W)-Total			94.4		%		80-120	29-AUG-18
Uranium (U)-Total			103.2		%		80-120	29-AUG-18
Vanadium (V)-Total			95.4		%		80-120	29-AUG-18
Yttrium (Y)-Total			97.4		%		80-120	29-AUG-18



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Workorder: L2152840

Report Date: 31-AUG-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-T-L-HRMS-VA		Seawater						
Batch	R4191429							
WG2860197-2	LCS							
Zinc (Zn)-Total			92.2		%		80-120	29-AUG-18
Zirconium (Zr)-Total			94.5		%		80-120	29-AUG-18
WG2860197-1	MB							
Aluminum (Al)-Total			<0.0050		mg/L		0.005	29-AUG-18
Antimony (Sb)-Total			<0.00050		mg/L		0.0005	29-AUG-18
Arsenic (As)-Total			<0.0020		mg/L		0.002	29-AUG-18
Barium (Ba)-Total			<0.0010		mg/L		0.001	29-AUG-18
Beryllium (Be)-Total			<0.00050		mg/L		0.0005	29-AUG-18
Bismuth (Bi)-Total			<0.00050		mg/L		0.0005	29-AUG-18
Boron (B)-Total			<0.10		mg/L		0.1	29-AUG-18
Cadmium (Cd)-Total			<0.000050		mg/L		0.00005	29-AUG-18
Calcium (Ca)-Total			<1.0		mg/L		1	29-AUG-18
Cesium (Cs)-Total			<0.00050		mg/L		0.0005	29-AUG-18
Chromium (Cr)-Total			<0.00050		mg/L		0.0005	29-AUG-18
Cobalt (Co)-Total			<0.000050		mg/L		0.00005	29-AUG-18
Copper (Cu)-Total			<0.00050		mg/L		0.0005	29-AUG-18
Gallium (Ga)-Total			<0.00050		mg/L		0.0005	29-AUG-18
Iron (Fe)-Total			<0.010		mg/L		0.01	29-AUG-18
Lead (Pb)-Total			<0.00030		mg/L		0.0003	29-AUG-18
Lithium (Li)-Total			<0.020		mg/L		0.02	29-AUG-18
Magnesium (Mg)-Total			<1.0		mg/L		1	29-AUG-18
Manganese (Mn)-Total			<0.00020		mg/L		0.0002	29-AUG-18
Molybdenum (Mo)-Total			<0.0020		mg/L		0.002	29-AUG-18
Nickel (Ni)-Total			<0.00050		mg/L		0.0005	29-AUG-18
Phosphorus (P)-Total			<0.050		mg/L		0.05	29-AUG-18
Potassium (K)-Total			<1.0		mg/L		1	29-AUG-18
Rhenium (Re)-Total			<0.00050		mg/L		0.0005	29-AUG-18
Rubidium (Rb)-Total			<0.0050		mg/L		0.005	29-AUG-18
Selenium (Se)-Total			<0.0020		mg/L		0.002	29-AUG-18
Silicon (Si)-Total			<1.0		mg/L		1	29-AUG-18
Silver (Ag)-Total			<0.00010		mg/L		0.0001	29-AUG-18
Sodium (Na)-Total			<1.0		mg/L		1	29-AUG-18
Strontium (Sr)-Total			<0.010		mg/L		0.01	29-AUG-18
Sulfur (S)-Total			<5.0		mg/L		5	29-AUG-18

Quality Control Report

Workorder: L2152840

Report Date: 31-AUG-18

Page 12 of 15

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-T-L-HRMS-VA		Seawater						
Batch	R4191429							
WG2860197-1	MB							
Tellurium (Te)-Total			<0.00050		mg/L		0.0005	29-AUG-18
Thallium (Tl)-Total			<0.000050		mg/L		0.00005	29-AUG-18
Thorium (Th)-Total			<0.00050		mg/L		0.0005	29-AUG-18
Tin (Sn)-Total			<0.0010		mg/L		0.001	29-AUG-18
Titanium (Ti)-Total			<0.0050		mg/L		0.005	29-AUG-18
Tungsten (W)-Total			<0.0010		mg/L		0.001	29-AUG-18
Uranium (U)-Total			<0.000050		mg/L		0.00005	29-AUG-18
Vanadium (V)-Total			<0.00050		mg/L		0.0005	29-AUG-18
Yttrium (Y)-Total			<0.00050		mg/L		0.0005	29-AUG-18
Zinc (Zn)-Total			<0.0030		mg/L		0.003	29-AUG-18
Zirconium (Zr)-Total			<0.00050		mg/L		0.0005	29-AUG-18
NH3-F-VA		Seawater						
Batch	R4185730							
WG2860249-3	DUP	L2152840-1						
Ammonia, Total (as N)		<0.0050	<0.0050	RPD-NA	mg/L	N/A	20	27-AUG-18
WG2860249-2	LCS							
Ammonia, Total (as N)			94.1		%		85-115	27-AUG-18
WG2860249-1	MB							
Ammonia, Total (as N)			<0.0050		mg/L		0.005	27-AUG-18
WG2860249-4	MS	L2152840-1						
Ammonia, Total (as N)			99.2		%		75-125	27-AUG-18
PH-C-PCT-VA		Seawater						
Batch	R4194452							
WG2861704-2	CRM	VA-PH7-BUF						
pH			6.99		pH		6.9-7.1	30-AUG-18
TKN-C-F-VA		Seawater						
Batch	R4190133							
WG2861293-3	DUP	L2152840-3						
Total Kjeldahl Nitrogen		0.103	0.105		mg/L	1.9	20	28-AUG-18
WG2861293-2	LCS							
Total Kjeldahl Nitrogen			105.0		%		75-125	28-AUG-18
WG2861293-1	MB							
Total Kjeldahl Nitrogen			<0.050		mg/L		0.05	28-AUG-18
WG2861293-4	MS	L2152840-4						
Total Kjeldahl Nitrogen			102.7		%		70-130	28-AUG-18



Quality Control Report

Workorder: L2152840

Report Date: 31-AUG-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
TSS-C-VA		Seawater						
Batch	R4184493							
WG2859792-2	LCS							
Total Suspended Solids			96.4		%		85-115	25-AUG-18
WG2859792-4	LCS							
Total Suspended Solids			91.3		%		85-115	25-AUG-18
WG2859792-1	MB							
Total Suspended Solids			<2.0		mg/L		2	25-AUG-18
WG2859792-3	MB							
Total Suspended Solids			<2.0		mg/L		2	25-AUG-18
TURBIDITY-C-VA		Seawater						
Batch	R4183426							
WG2860163-2	CRM	VA-FORM-40						
Turbidity			101.0		%		85-115	26-AUG-18
WG2860163-3	DUP	L2152840-1						
Turbidity		0.74	0.69		NTU	7.0	15	26-AUG-18
WG2860163-1	MB							
Turbidity			<0.10		NTU		0.1	26-AUG-18

Quality Control Report

Workorder: L2152840

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Legend:

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

Sample Parameter Qualifier Definitions:

Qualifier	Description
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

Quality Control Report

Workorder: L2152840

Report Date: 31-AUG-18

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Hold Time Exceedances:

ALS Product Description	Sample ID	Sampling Date	Date Processed	Rec. HT	Actual HT	Units	Qualifier
Physical Tests							
Turbidity by Meter in Seawater							
	1	21-AUG-18 08:50	26-AUG-18 13:38	3	5	days	EHTR
	2	21-AUG-18 09:00	26-AUG-18 13:38	3	5	days	EHTR
	3	21-AUG-18 09:05	26-AUG-18 13:38	3	5	days	EHTR
	4	21-AUG-18 09:10	26-AUG-18 13:38	3	5	days	EHTR
pH by Meter (Automated) (seawater)							
	1	21-AUG-18 08:50	30-AUG-18 11:33	0.25	219	hours	EHTR-FM
	2	21-AUG-18 09:00	30-AUG-18 11:33	0.25	219	hours	EHTR-FM
	3	21-AUG-18 09:05	30-AUG-18 11:33	0.25	218	hours	EHTR-FM
	4	21-AUG-18 09:10	30-AUG-18 11:33	0.25	218	hours	EHTR-FM
Anions and Nutrients							
Nitrate in Seawater by IC							
	1	21-AUG-18 08:50	29-AUG-18 06:23	3	8	days	EHTR
	2	21-AUG-18 09:00	29-AUG-18 06:23	3	8	days	EHTR
	3	21-AUG-18 09:05	29-AUG-18 06:23	3	8	days	EHTR
	4	21-AUG-18 09:10	29-AUG-18 06:23	3	8	days	EHTR
Nitrite in Seawater by IC							
	1	21-AUG-18 08:50	29-AUG-18 06:23	3	8	days	EHTR
	2	21-AUG-18 09:00	29-AUG-18 06:23	3	8	days	EHTR
	3	21-AUG-18 09:05	29-AUG-18 06:23	3	8	days	EHTR
	4	21-AUG-18 09:10	29-AUG-18 06:23	3	8	days	EHTR
Bacteriological Tests							
Fecal coliform by membrane filtration							
	1	21-AUG-18 08:50	24-AUG-18 12:00	30	75	hours	EHTR
	2	21-AUG-18 09:00	24-AUG-18 12:00	30	75	hours	EHTR
	3	21-AUG-18 09:05	24-AUG-18 12:00	30	75	hours	EHTR
	4	21-AUG-18 09:10	24-AUG-18 12:00	30	75	hours	EHTR

Legend & Qualifier Definitions:

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

Notes*:

Where actual sampling date is not provided to ALS, the date (& time) of receipt is used for calculation purposes.
 Where actual sampling time is not provided to ALS, the earlier of 12 noon on the sampling date or the time (& date) of receipt is used for calculation purposes. Samples for L2152840 were received on 24-AUG-18 09:30.

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

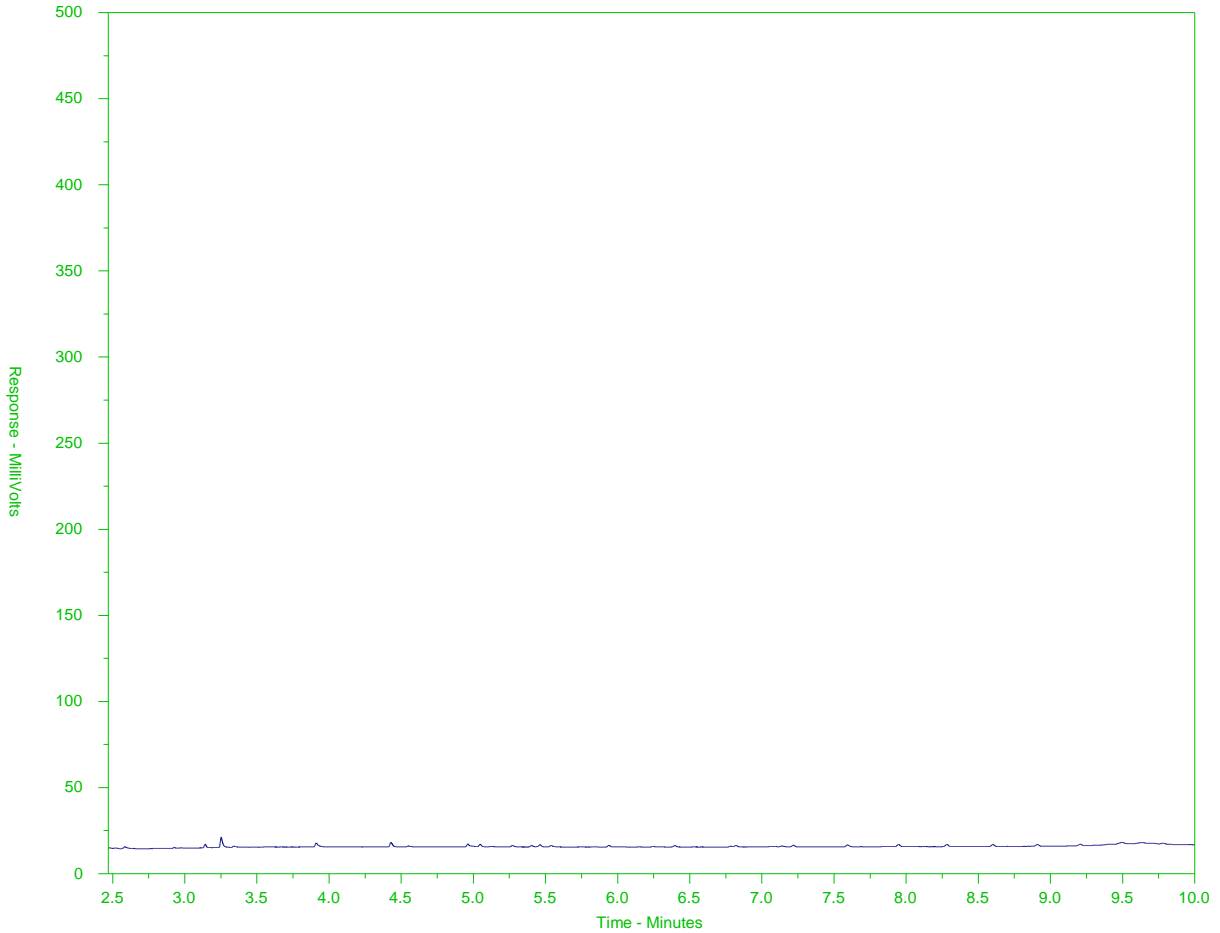
The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide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

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

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2152840-1
 Client Sample ID: SOURCE



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →	← Motor Oils/ Lube Oils/ Grease →		
← Diesel/ Jet Fuels →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

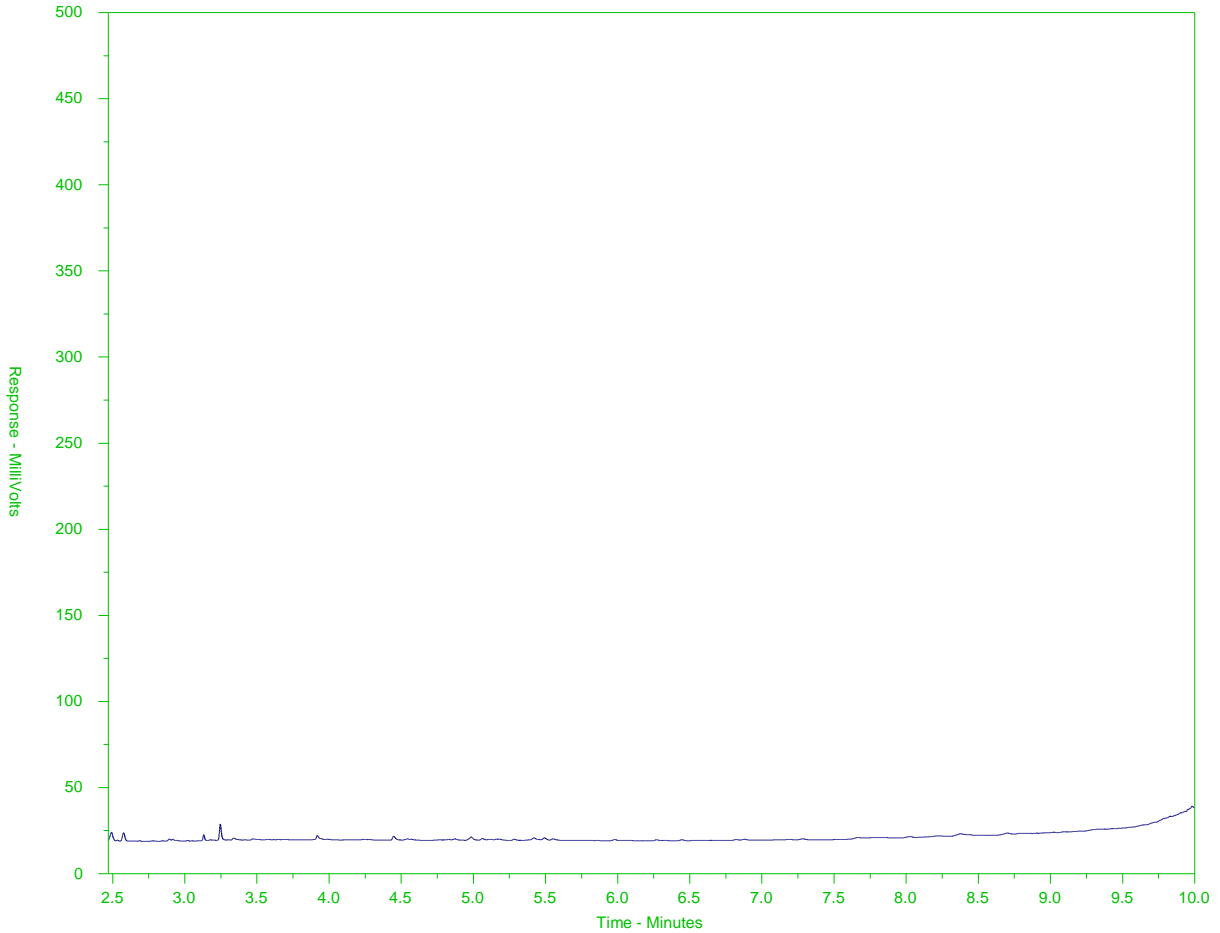
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2152840-2
 Client Sample ID: WNW



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →		← Motor Oils/ Lube Oils/ Grease →	
← Diesel/ Jet Fuels →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

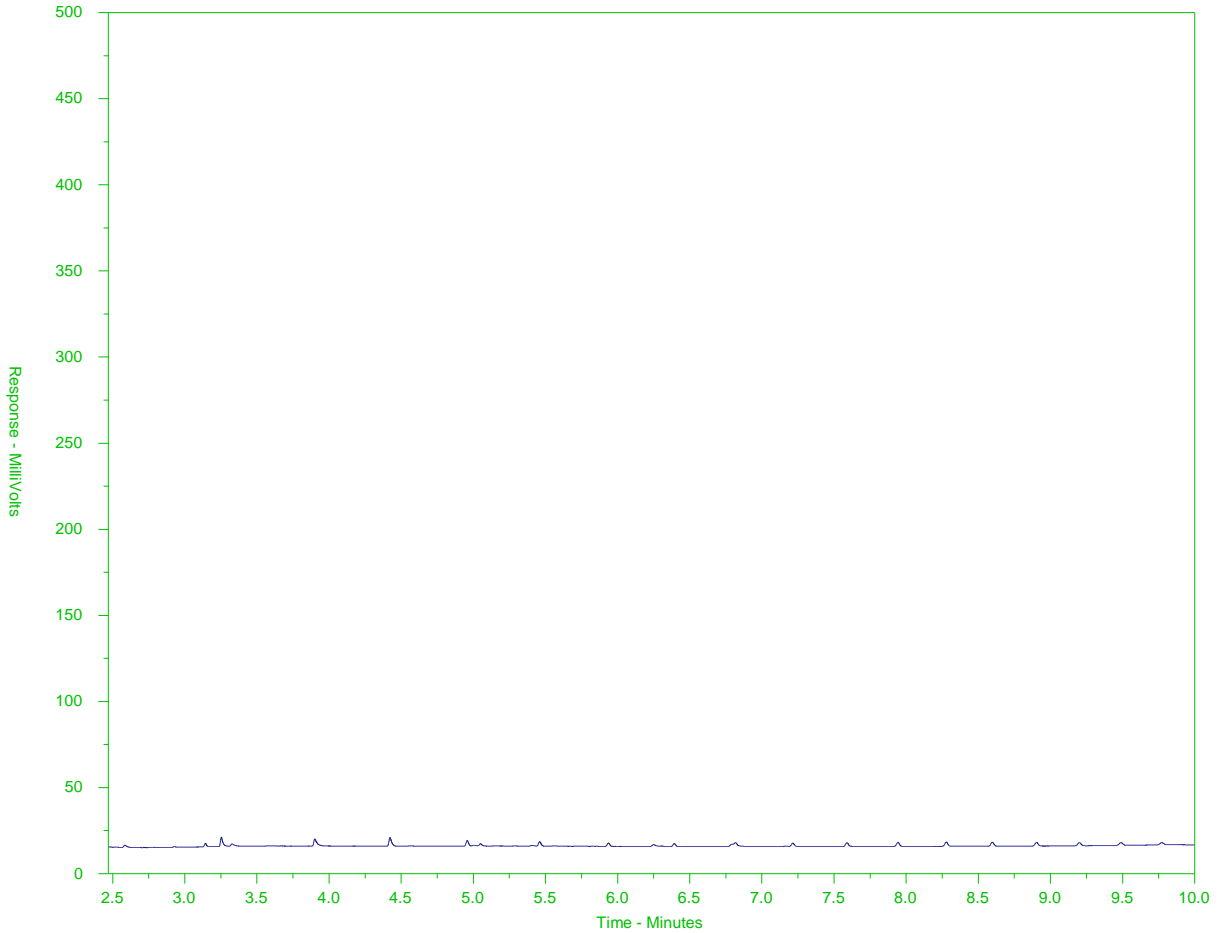
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2152840-3
 Client Sample ID: NORTH



← EPH10-19 →		← EPH19-32 →	
nC10	nC19		nC32
174°C	330°C		467°C
346°F	626°F		873°F
← Gasoline →		← Motor Oils/ Lube Oils/ Grease →	
← Diesel/ Jet Fuels →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

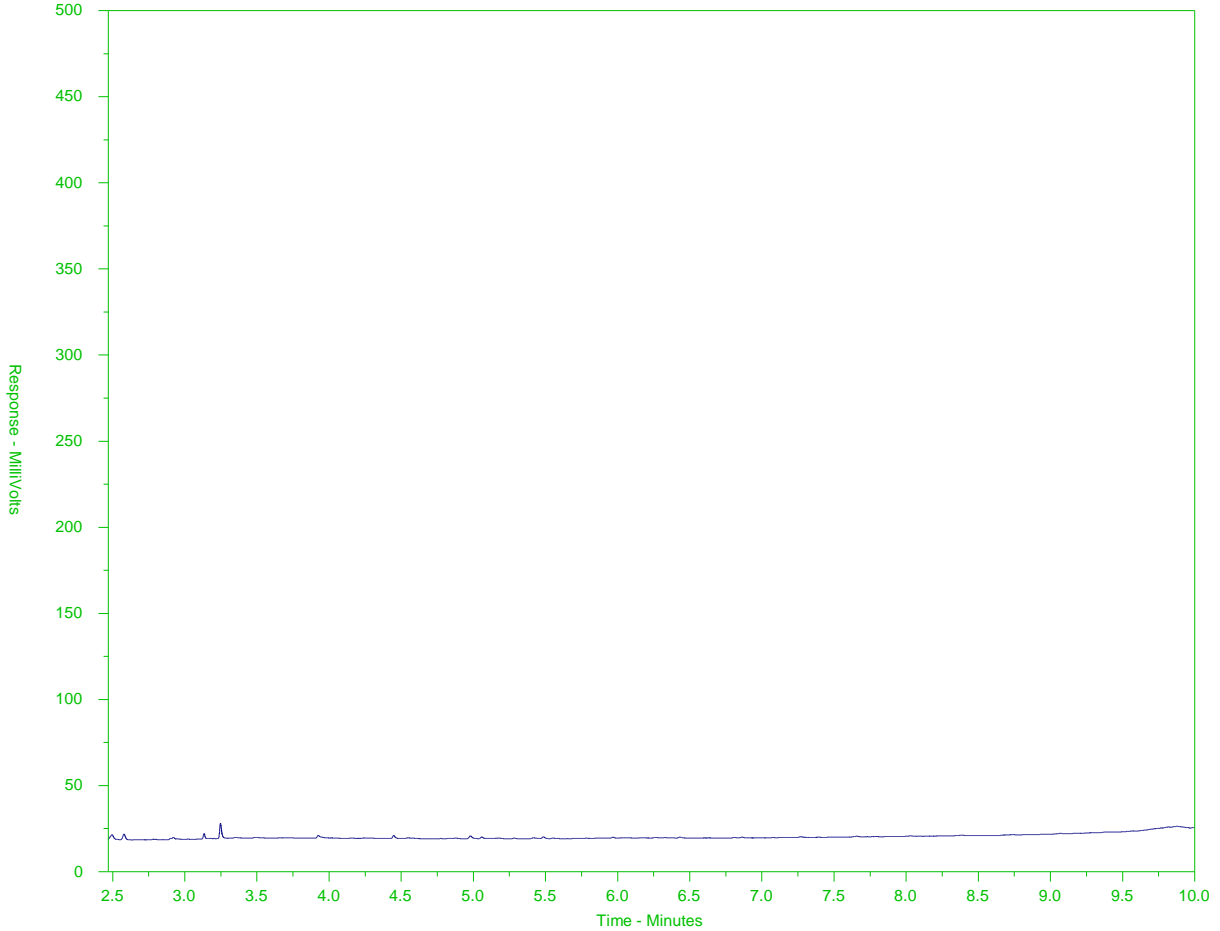
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2152840-4
 Client Sample ID: ENE



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →		← Motor Oils/ Lube Oils/ Grease →	
← Diesel/ Jet Fuels →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

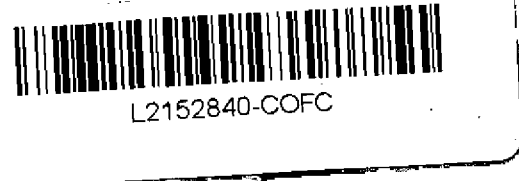
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.



Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878



COC Number: 15 - xxxxxx

Page 1 of 1

www.alsglobal.com

Report To Contact and company name below will appear on the final report		Report Format / Distribution			Select Service Level Below - Please confirm all E&P TATs with your AM - surcharges will apply													
Company: Golder Associates Ltd.		Select Report Format: <input checked="" type="checkbox"/> PDF <input checked="" type="checkbox"/> EXCEL <input type="checkbox"/> EDD (DIGITAL)			Regular [R] <input checked="" type="checkbox"/> Standard TAT if received by 3 pm - business days - no surcharges apply													
Contact: John Sherrin / Arman Ospan		Quality Control (QC) Report with Report <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			PRIORITY (Business Days)		4 day [P4] <input type="checkbox"/>		EMERGENCY		1 Business day [E1] <input type="checkbox"/>							
Phone: 1 (250) 881 7372		<input type="checkbox"/> Compare Results to Criteria on Report - provide details below if box checked			3 day [P3] <input type="checkbox"/>		2 day [P2] <input type="checkbox"/>		Same Day, Weekend or Statutory holiday [E0] <input type="checkbox"/>									
Company address below will appear on the final report		Select Distribution: <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX			Date and Time Required for all E&P TATs:													
Street: 2nd floor 3795 Carey Rd.		Email 1 or Fax: jsherrin@golder.com			For tests that can not be performed according to the service level selected, you will be contacted.													
City/Province: Victoria BC		Email 2: aospan@golder.com			Analysis Request													
Postal Code: V8Z 6T8		Email 3:			Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below													
Invoice To		Invoice Distribution																
Same as Report To <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		Select Invoice Distribution: <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX																
Copy of Invoice with Report <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Email 1 or Fax:																
Company:		Email 2:																
Contact:		Email 3:																
Project Information				Oil and Gas Required Fields (client use)														
ALS Account # / Quote #: BR191034		AFE/Cost Center:		PO#:														
Job #: 1663724/14000/3		Major/Minor Code:		Routing Code:														
PO / AFE:		Requisitioner:																
LSD:		Location:																
ALS Lab Work Order # (lab use only)		ALS Contact:		Sampler:														
ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)			Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	General (pH, Alkalinity, Turbidity, Conductivity, Anions, TSS)	TOC, Ammonia, TKN	Dissolved Metals	Total Metals	Dissolved Mercury	Total Mercury	Hydrocarbons (LEPH/HEPH)	Fecal Coliforms			Number of Containers	
	Source			21 Aug 2018	08:50	Seawater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	9	
	WNW				09:00	Seawater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	9	
	North				09:05	Seawater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	9	
	ENE				09:10	Seawater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	9	
Drinking Water (DW) Samples¹ (client use)				Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)								SAMPLE CONDITION AS RECEIVED (lab use only)						
Are samples taken from a Regulated DW System? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO												Frozen <input type="checkbox"/> SIF Observations Yes <input type="checkbox"/> No <input type="checkbox"/>						
Are samples for human drinking water use? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO												Ice Packs <input checked="" type="checkbox"/> Ice Cubes <input type="checkbox"/> Custody seal intact Yes <input type="checkbox"/> No <input type="checkbox"/>						
												Cooling Initiated <input type="checkbox"/>						
												INITIAL COOLER TEMPERATURES °C						
												FINAL COOLER TEMPERATURES °C						
												8						
SHIPMENT RELEASE (client use)				INITIAL SHIPMENT RECEPTION (lab use only)				FINAL SHIPMENT RECEPTION (lab use only)										
Released by: Sarah Proctor SP		Date: Aug 21/18		Time: 10:10		Received by:		Date:		Time:		Received by: SC		Date: AUG 24 2018		Time: 9:30 AM		

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

OCTOBER 2015 FRONT

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a Regulated Drinking Water (DW) System, please submit using an Authorized DW COC form.



GOLDER ASSOCIATES LTD.
ATTN: John Sherrin
3795 Carey Road, Second Floor
Victoria BC V8Z 6T8

Date Received: 31-AUG-18
Report Date: 10-SEP-18 15:55 (MT)
Version: FINAL

Client Phone: 250-881-7372

Certificate of Analysis

Lab Work Order #: L2156759
Project P.O. #: NOT SUBMITTED
Job Reference: 1663724/14000/3
C of C Numbers:
Legal Site Desc:

Amber Springer, B.Sc
Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ADDRESS: 8081 Lougheed Hwy, Suite 100, Burnaby, BC V5A 1W9 Canada | Phone: +1 604 253 4188 | Fax: +1 604 253 6700
ALS CANADA LTD Part of the ALS Group An ALS Limited Company

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L2156759-1	L2156759-2	L2156759-3	L2156759-4
		Description	Seawater	Seawater	Seawater	Seawater
		Sampled Date	28-AUG-18	28-AUG-18	28-AUG-18	28-AUG-18
		Sampled Time	07:55	08:15	07:45	08:05
		Client ID	SOURCE	WNW	NORTH	ENE
Grouping	Analyte					
SEAWATER						
Physical Tests	Conductivity (uS/cm)		29800	25500	23700	31100
	Hardness (as CaCO3) (mg/L)		3440	2630	2420	3260
	pH (pH)		7.91	7.94	7.93	7.93
	Salinity (psu)		18.5	15.6	14.4	19.3
	Total Suspended Solids (mg/L)		<2.0	<2.0	<2.0	<2.0
	Turbidity (NTU)		0.24	0.21	0.23	0.19
Anions and Nutrients	Alkalinity, Total (as CaCO3) (mg/L)		90.1	92.1	93.5	91.0
	Ammonia, Total (as N) (mg/L)		<0.0050	<0.0050	<0.0050	<0.0050
	Bromide (Br) (mg/L)		33.5	27.9	25.3	40.2
	Chloride (Cl) (mg/L)		9550	7910	7180	11300
	Fluoride (F) (mg/L)		<1.0	<1.0	<1.0	<1.0
	Nitrate (as N) (mg/L)		<0.50	<0.50	<0.50	<0.50
	Nitrite (as N) (mg/L)		<0.10	<0.10	<0.10	<0.10
	Total Kjeldahl Nitrogen (mg/L)		0.064	0.069	0.079	0.060
	Sulfate (SO4) (mg/L)		1330	1100	987	1570
Organic / Inorganic Carbon	Total Organic Carbon (mg/L)		0.92	0.96	0.99	0.88
Total Metals	Aluminum (Al)-Total (mg/L)		0.0094	0.0095	0.0091	0.0082
	Antimony (Sb)-Total (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050
	Arsenic (As)-Total (mg/L)		<0.0020	<0.0020	<0.0020	<0.0020
	Barium (Ba)-Total (mg/L)		0.0080	0.0070	0.0071	0.0077
	Beryllium (Be)-Total (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050
	Bismuth (Bi)-Total (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050
	Boron (B)-Total (mg/L)		2.61	2.25	2.16	2.74
	Cadmium (Cd)-Total (mg/L)		<0.000050	<0.000050	<0.000050	<0.000050
	Calcium (Ca)-Total (mg/L)		229	198	180	241
	Cesium (Cs)-Total (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050
	Chromium (Cr)-Total (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050
	Cobalt (Co)-Total (mg/L)		<0.000050	<0.000050	<0.000050	<0.000050
	Copper (Cu)-Total (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050
	Gallium (Ga)-Total (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050
	Iron (Fe)-Total (mg/L)		<0.010	0.011	<0.010	<0.010
	Lead (Pb)-Total (mg/L)		<0.00030	<0.00030	<0.00030	<0.00030
	Lithium (Li)-Total (mg/L)		0.101	0.085	0.081	0.105
	Magnesium (Mg)-Total (mg/L)		674	561	494	692
	Manganese (Mn)-Total (mg/L)		0.00116	0.00100	0.00094	0.00103
	Mercury (Hg)-Total (mg/L)		<0.000010	<0.000010	<0.000010	<0.000010

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L2156759-1	L2156759-2	L2156759-3	L2156759-4
		Description	Seawater	Seawater	Seawater	Seawater
		Sampled Date	28-AUG-18	28-AUG-18	28-AUG-18	28-AUG-18
		Sampled Time	07:55	08:15	07:45	08:05
		Client ID	SOURCE	WNW	NORTH	ENE
Grouping	Analyte					
SEAWATER						
Total Metals	Molybdenum (Mo)-Total (mg/L)		0.0063	0.0053	0.0050	0.0065
	Nickel (Ni)-Total (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050
	Phosphorus (P)-Total (mg/L)		<0.050	<0.050	<0.050	<0.050
	Potassium (K)-Total (mg/L)		200	172	154	213
	Rhenium (Re)-Total (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050
	Rubidium (Rb)-Total (mg/L)		0.0663	0.0553	0.0518	0.0682
	Selenium (Se)-Total (mg/L)		<0.0020	<0.0020	<0.0020	<0.0020
	Silicon (Si)-Total (mg/L)		<1.0	<1.0	<1.0	<1.0
	Silver (Ag)-Total (mg/L)		<0.00010	<0.00010	<0.00010	<0.00010
	Sodium (Na)-Total (mg/L)		5390	4440	4030	5570
	Strontium (Sr)-Total (mg/L)		3.98	3.44	2.91	4.17
	Sulfur (S)-Total (mg/L)		514	421	370	536
	Tellurium (Te)-Total (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050
	Thallium (Tl)-Total (mg/L)		<0.000050	<0.000050	<0.000050	<0.000050
	Thorium (Th)-Total (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050
	Tin (Sn)-Total (mg/L)		<0.0010	<0.0010	<0.0010	<0.0010
	Titanium (Ti)-Total (mg/L)		<0.0050	<0.0050	<0.0050	<0.0050
	Tungsten (W)-Total (mg/L)		<0.0010	<0.0010	<0.0010	<0.0010
	Uranium (U)-Total (mg/L)		0.00223	0.00215	0.00191	0.00216
	Vanadium (V)-Total (mg/L)		0.00069	0.00067	0.00053	0.00070
	Yttrium (Y)-Total (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050
	Zinc (Zn)-Total (mg/L)		<0.0030	<0.0030	<0.0030	<0.0030
	Zirconium (Zr)-Total (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050
Dissolved Metals	Dissolved Mercury Filtration Location		LAB	LAB	LAB	LAB
	Dissolved Metals Filtration Location		LAB	LAB	LAB	LAB
	Aluminum (Al)-Dissolved (mg/L)		<0.0050	<0.0050	<0.0050	<0.0050
	Antimony (Sb)-Dissolved (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050
	Arsenic (As)-Dissolved (mg/L)		<0.0020	<0.0020	<0.0020	<0.0020
	Barium (Ba)-Dissolved (mg/L)		0.0077	0.0070	0.0068	0.0084
	Beryllium (Be)-Dissolved (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050
	Bismuth (Bi)-Dissolved (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050
	Boron (B)-Dissolved (mg/L)		2.61	2.22	2.09	2.89
	Cadmium (Cd)-Dissolved (mg/L)		<0.000050	<0.000050	<0.000050	<0.000050
	Calcium (Ca)-Dissolved (mg/L)		232	196	184	241
	Cesium (Cs)-Dissolved (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050
	Chromium (Cr)-Dissolved (mg/L)		<0.00050	<0.00050	0.00063	<0.00050
	Cobalt (Co)-Dissolved (mg/L)		<0.000050	<0.000050	<0.000050	<0.000050

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID	L2156759-1 Seawater 28-AUG-18 07:55 SOURCE	L2156759-2 Seawater 28-AUG-18 08:15 WNW	L2156759-3 Seawater 28-AUG-18 07:45 NORTH	L2156759-4 Seawater 28-AUG-18 08:05 ENE	
Grouping	Analyte				
SEAWATER					
Dissolved Metals	Copper (Cu)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Gallium (Ga)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Iron (Fe)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010
	Lead (Pb)-Dissolved (mg/L)	<0.00030	<0.00030	<0.00030	<0.00030
	Lithium (Li)-Dissolved (mg/L)	0.100	0.084	0.079	0.108
	Magnesium (Mg)-Dissolved (mg/L)	695	520	475	646
	Manganese (Mn)-Dissolved (mg/L)	0.00089	0.00076	0.00081	0.00078
	Mercury (Hg)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Molybdenum (Mo)-Dissolved (mg/L)	0.0063	0.0053	0.0049	0.0069
	Nickel (Ni)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Phosphorus (P)-Dissolved (mg/L)	<0.050	<0.050	<0.050	<0.050
	Potassium (K)-Dissolved (mg/L)	203	169	157	215
	Rhenium (Re)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Rubidium (Rb)-Dissolved (mg/L)	0.0641	0.0542	0.0513	0.0703
	Selenium (Se)-Dissolved (mg/L)	<0.0020	<0.0020	<0.0020	<0.0020
	Silicon (Si)-Dissolved (mg/L)	<1.0	<1.0	<1.0	<1.0
	Silver (Ag)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010
	Sodium (Na)-Dissolved (mg/L)	5380	4400	4110	5510
	Strontium (Sr)-Dissolved (mg/L)	3.96	3.09	2.82	3.91
	Sulfur (S)-Dissolved (mg/L)	523	394	357	492
	Tellurium (Te)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Thallium (Tl)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050
	Thorium (Th)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Tin (Sn)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010
	Titanium (Ti)-Dissolved (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050
	Tungsten (W)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010
	Uranium (U)-Dissolved (mg/L)	0.00214	0.00214	0.00191	0.00215
	Vanadium (V)-Dissolved (mg/L)	0.00068	0.00058	<0.00050	0.00070
	Yttrium (Y)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Zinc (Zn)-Dissolved (mg/L)	<0.0030	<0.0030	<0.0030	<0.0030
	Zirconium (Zr)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID	L2156759-1 Seawater 28-AUG-18 07:55 SOURCE	L2156759-2 Seawater 28-AUG-18 08:15 WNW	L2156759-3 Seawater 28-AUG-18 07:45 NORTH	L2156759-4 Seawater 28-AUG-18 08:05 ENE	
Grouping	Analyte				
WATER					
Bacteriological Tests	Coliform Bacteria - Fecal (CFU/100mL)	<1 ^{PEHR}	<1 ^{PEHR}	<1 ^{PEHR}	<1 ^{PEHR}
Hydrocarbons	EPH10-19 (mg/L)	<0.25	<0.25	<0.25	<0.25
	EPH19-32 (mg/L)	<0.25	<0.25	<0.25	<0.25
	LEPH (mg/L)	<0.25	<0.25	<0.25	<0.25
	HEPH (mg/L)	<0.25	<0.25	<0.25	<0.25
	Surrogate: 2-Bromobenzotrifluoride (%)	102.0	98.5	97.9	102.2
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Acenaphthylene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Acridine (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Anthracene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Benz(a)anthracene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Benzo(a)pyrene (mg/L)	<0.0000050	<0.0000050	<0.0000050	<0.0000050
	Benzo(b&j)fluoranthene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Benzo(b+j+k)fluoranthene (mg/L)	<0.000015	<0.000015	<0.000015	<0.000015
	Benzo(g,h,i)perylene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Benzo(k)fluoranthene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Chrysene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Dibenz(a,h)anthracene (mg/L)	<0.0000050	<0.0000050	<0.0000050	<0.0000050
	Fluoranthene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Fluorene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Indeno(1,2,3-c,d)pyrene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	1-Methylnaphthalene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050
	2-Methylnaphthalene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050
	Naphthalene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050
	Phenanthrene (mg/L)	<0.000020	<0.000020	<0.000020	<0.000020
	Pyrene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Quinoline (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050
	Surrogate: Acridine d9 (%)	86.3	82.0	66.7	86.2
	Surrogate: Chrysene d12 (%)	83.9	95.1	70.4	85.9
	Surrogate: Naphthalene d8 (%)	84.0	85.8	76.8	85.5
	Surrogate: Phenanthrene d10 (%)	95.0	99.1	89.5	103.2

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

Reference Information

QC Samples with Qualifiers & Comments:

QC Type Description	Parameter	Qualifier	Applies to Sample Number(s)
Matrix Spike	Bromide (Br)	MS-B	L2156759-1, -2, -3, -4
Matrix Spike	Chloride (Cl)	MS-B	L2156759-1, -2, -3, -4
Matrix Spike	Sulfate (SO4)	MS-B	L2156759-1, -2, -3, -4
Matrix Spike	Calcium (Ca)-Total	MS-B	L2156759-1, -2, -3, -4
Matrix Spike	Magnesium (Mg)-Total	MS-B	L2156759-1, -2, -3, -4
Matrix Spike	Potassium (K)-Total	MS-B	L2156759-1, -2, -3, -4
Matrix Spike	Rubidium (Rb)-Total	MS-B	L2156759-1, -2, -3, -4
Matrix Spike	Sodium (Na)-Total	MS-B	L2156759-1, -2, -3, -4
Matrix Spike	Strontium (Sr)-Total	MS-B	L2156759-1, -2, -3, -4

Qualifiers for Individual Parameters Listed:

Qualifier	Description
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.
PEHR	Parameter Exceeded Recommended Holding Time On Receipt: Proceed With Analysis As Requested.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
ALK-TITR-VA	Seawater	Alkalinity Spec by Titration (Seawater)	APHA 2320 Alkalinity
This analysis is carried out using procedures adapted from APHA Method 2320 "Alkalinity". Total alkalinity is determined by potentiometric titration to a pH 4.5 endpoint. Bicarbonate, carbonate and hydroxide alkalinity are calculated from phenolphthalein alkalinity and total alkalinity values.			
ANIONS-C-BR-IC-VA	Seawater	Bromide by IC (seawater)	EPA 300.1 (mod)
This analysis is carried out using procedures adapted from APHA Method 4110 B. "Ion Chromatography with Chemical Suppression of Eluent Conductivity" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography".			
ANIONS-C-CL-IC-VA	Seawater	Chloride by IC (seawater)	EPA 300.1 (mod)
This analysis is carried out using procedures adapted from APHA Method 4110 B. "Ion Chromatography with Chemical Suppression of Eluent Conductivity" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography".			
ANIONS-C-F-IC-VA	Seawater	Fluoride by IC (seawater)	EPA 300.1 (mod)
This analysis is carried out using procedures adapted from APHA Method 4110 B. "Ion Chromatography with Chemical Suppression of Eluent Conductivity" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography".			
ANIONS-C-NO2-IC-VA	Seawater	Nitrite in Seawater by IC	EPA 300.1 (mod)
This analysis is carried out using procedures adapted from EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography". Nitrite is detected by UV absorbance.			
ANIONS-C-NO3-IC-VA	Seawater	Nitrate in Seawater by IC	EPA 300.1 (mod)
This analysis is carried out using procedures adapted from EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography". Nitrate is detected by UV absorbance.			
ANIONS-C-SO4-IC-VA	Seawater	Sulfate by IC (seawater)	EPA 300.1 (mod)
This analysis is carried out using procedures adapted from APHA Method 4110 B. "Ion Chromatography with Chemical Suppression of Eluent Conductivity" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography".			
CARBONS-C-TOC-VA	Seawater	TOC by combustion (seawater)	APHA 5310B TOTAL ORGANIC CARBON (TOC)
This analysis is carried out using procedures adapted from APHA Method 5310 "Total Organic Carbon (TOC)".			
EC-C-PCT-VA	Seawater	Conductivity (Automated) (seawater)	APHA 2510 Auto. Conduc.
This analysis is carried out using procedures adapted from APHA Method 2510 "Conductivity". Conductivity is determined using a conductivity electrode.			
EC-SCREEN-VA	Seawater	Conductivity Screen (Internal Use Only)	APHA 2510
Qualitative analysis of conductivity where required during preparation of other tests - e.g. TDS, metals, etc.			
EPH-ME-FID-VA	Water	EPH in Water	BC Lab Manual
EPH is extracted from water using a hexane micro-extraction technique, with analysis by GC-FID, as per the BC Lab Manual. EPH results include PAHs and are therefore not equivalent to LEPH or HEPH.			
FCOLI-MF-ENV-VA	Water	Fecal coliform by membrane filtration	APHA METHOD 9222
This analysis is carried out using procedures adapted from APHA Method 9222 "Membrane Filter Technique for Members of the Coliform Group". Coliform bacteria is enumerated by culturing and colony counting. A known sample volume is filtered through a 0.45 micron membrane filter. The test involves an initial 24 hour incubation of the filter with the appropriate growth medium, positive results require further testing (up to an additional 48 hours) to confirm and quantify the total coliform. This method is used for non-turbid water with a low background bacteria level.			
HARDNESS-CALC-VA	Seawater	Hardness	APHA 2340B

Reference Information

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

HG-DIS-C-CVAFS-VA Seawater Diss. Mercury in Seawater by CVAFS PUGET SOUND PROTOCOLS, EPA 245.7

This analysis is carried out using procedures adapted from "Recommended Guidelines for Measuring Metals in Puget Sound Marine Water, Sediment, and Tissue Samples" prepared for the United States Environmental Protection Agency and the Puget Sound Water Quality Authority, 1995. The procedures may involve preliminary sample treatment by filtration (EPA Method 3005A) and involves a cold-oxidation of the acidified seawater sample using bromine monochloride prior to reduction of the sample with stannous chloride. Instrumental analysis is by cold vapour atomic fluorescence spectrophotometry or atomic absorption spectrophotometry (EPA Method 245.7).

HG-TOT-C-CVAFS-VA Seawater Total Mercury in Seawater by CVAFS PUGET SOUND PROTOCOLS, EPA 245.7

This analysis is carried out using procedures adapted from "Recommended Guidelines for Measuring Metals in Puget Sound Marine Water, Sediment, and Tissue Samples" prepared for the United States Environmental Protection Agency and the Puget Sound Water Quality Authority, 1995. The procedure involves a cold-oxidation of the acidified seawater sample using bromine monochloride prior to reduction of the sample with stannous chloride. Instrumental analysis is by cold vapour atomic fluorescence spectrophotometry or atomic absorption spectrophotometry (EPA Method 245.7).

LEPH/HEPH-CALC-VA Water LEPHs and HEPHs BC MOE LEPH/HEPH

LEPHw and HEPHw are measures of Light and Heavy Extractable Petroleum Hydrocarbons in water. Results are calculated by subtraction of applicable PAH concentrations from EPH10-19 and EPH19-32, as per the BC Lab Manual LEPH/HEPH calculation procedure.

LEPHw = EPH10-19 minus Acenaphthene, Acridine, Anthracene, Fluorene, Naphthalene and Phenanthrene.

HEPH = EPH19-32 minus Benz(a)anthracene, Benzo(a)pyrene, Fluoranthene, and Pyrene.

MET-D-L-HRMS-VA Seawater Diss. Metals in Seawater by HR-ICPMS EPA 200.8

Trace metals in seawater are analyzed by high resolution inductively coupled plasma mass spectrometry (HR-ICPMS) based on US EPA Method 200.8, (Revision 5.5). The procedures may involve laboratory sample filtration based on APHA Method 3030B.

MET-T-L-HRMS-VA Seawater Tot. Metals in Seawater by HR-ICPMS EPA 200.8

Trace metals in seawater are analyzed by high resolution inductively coupled plasma mass spectrometry (HR-ICPMS) based on US EPA Method 200.8, (Revision 5.5). The procedures may involve preliminary sample treatment by acid digestion based on APHA Method 3030E.

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

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

PAH-ME-MS-VA Water PAHs in Water EPA 3511/8270D (mod)

PAHs are extracted from water using a hexane micro-extraction technique, with analysis by GC/MS. Because the two isomers cannot be readily separated chromatographically, benzo(j)fluoranthene is reported as part of the benzo(b)fluoranthene parameter.

PH-C-PCT-VA Seawater pH by Meter (Automated) (seawater) APHA 4500-H pH Value

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

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

SALINITY-CALC-VA Seawater Salinity by conductivity meter APHA 2520B

Salinity is determined by the APHA 2520B Electrical Conductivity Method. Salinity is a unitless parameter that is roughly equivalent to grams per Litre. ALS applies the unit of psu (practical salinity unit) to indicate that salinity values are derived from the Practical Salinity Scale.

TKN-C-F-VA Seawater TKN in Seawater by Fluorescence APHA 4500-NORG D.

This analysis is carried out using procedures adapted from APHA Method 4500-Norg D. "Block Digestion and Flow Injection Analysis". Total Kjeldahl Nitrogen is determined using block digestion followed by Flow-injection analysis with fluorescence detection.

TSS-C-VA Seawater Total Suspended Solids by Gravimetric APHA 2540 D

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

TURBIDITY-C-VA Seawater Turbidity by Meter in Seawater APHA 2130 Turbidity

This analysis is carried out using procedures adapted from APHA Method 2130 "Turbidity". Turbidity is determined by the nephelometric method.

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

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

Laboratory Definition Code	Laboratory Location
VA	ALS ENVIRONMENTAL - VANCOUVER, BRITISH COLUMBIA, CANADA

Chain of Custody Numbers:

Reference Information

GLOSSARY OF REPORT TERMS

Surrogate - A compound that is similar in behaviour to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

mg/kg - milligrams per kilogram based on dry weight of sample.

mg/kg wwt - milligrams per kilogram based on wet weight of sample.

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight of sample.

mg/L - milligrams per litre.

< - Less than.

D.L. - The reported Detection Limit, also known as the Limit of Reporting (LOR).

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Quality Control Report

Workorder: L2156759

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Client: GOLDER ASSOCIATES LTD.
 3795 Carey Road, Second Floor
 Victoria BC V8Z 6T8

Contact: John Sherrin

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
EPH-ME-FID-VA		Water						
Batch	R4203184							
WG2868820-2	LCS							
EPH10-19			99.9		%		70-130	06-SEP-18
EPH19-32			104.6		%		70-130	06-SEP-18
WG2868820-1	MB							
EPH10-19			<0.25		mg/L		0.25	06-SEP-18
EPH19-32			<0.25		mg/L		0.25	06-SEP-18
Surrogate: 2-Bromobenzotrifluoride			90.7		%		60-140	06-SEP-18
FCOLI-MF-ENV-VA		Water						
Batch	R4201415							
WG2865116-2	MB							
Coliform Bacteria - Fecal			<1		CFU/100mL		1	31-AUG-18
PAH-ME-MS-VA		Water						
Batch	R4203945							
WG2868820-2	LCS							
Acenaphthene			84.9		%		60-130	10-SEP-18
Acenaphthylene			85.8		%		60-130	10-SEP-18
Acridine			90.2		%		60-130	10-SEP-18
Anthracene			92.8		%		60-130	10-SEP-18
Benz(a)anthracene			74.8		%		60-130	10-SEP-18
Benzo(a)pyrene			81.0		%		60-130	10-SEP-18
Benzo(b&j)fluoranthene			74.9		%		60-130	10-SEP-18
Benzo(g,h,i)perylene			95.6		%		60-130	10-SEP-18
Benzo(k)fluoranthene			85.4		%		60-130	10-SEP-18
Chrysene			78.7		%		60-130	10-SEP-18
Dibenz(a,h)anthracene			89.9		%		60-130	10-SEP-18
Fluoranthene			88.2		%		60-130	10-SEP-18
Fluorene			87.6		%		60-130	10-SEP-18
Indeno(1,2,3-c,d)pyrene			86.1		%		60-130	10-SEP-18
1-Methylnaphthalene			71.7		%		60-130	10-SEP-18
2-Methylnaphthalene			71.3		%		60-130	10-SEP-18
Naphthalene			71.5		%		50-130	10-SEP-18
Phenanthrene			95.3		%		60-130	10-SEP-18
Pyrene			87.0		%		60-130	10-SEP-18
Quinoline			87.6		%		60-130	10-SEP-18
WG2868820-1	MB							



Quality Control Report

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-ME-MS-VA								
	Water							
Batch	R4203945							
WG2868820-1	MB							
Acenaphthene			<0.000010		mg/L		0.00001	10-SEP-18
Acenaphthylene			<0.000010		mg/L		0.00001	10-SEP-18
Acridine			<0.000010		mg/L		0.00001	10-SEP-18
Anthracene			<0.000010		mg/L		0.00001	10-SEP-18
Benz(a)anthracene			<0.000010		mg/L		0.00001	10-SEP-18
Benzo(a)pyrene			<0.0000050		mg/L		0.000005	10-SEP-18
Benzo(b&j)fluoranthene			<0.000010		mg/L		0.00001	10-SEP-18
Benzo(g,h,i)perylene			<0.000010		mg/L		0.00001	10-SEP-18
Benzo(k)fluoranthene			<0.000010		mg/L		0.00001	10-SEP-18
Chrysene			<0.000010		mg/L		0.00001	10-SEP-18
Dibenz(a,h)anthracene			<0.0000050		mg/L		0.000005	10-SEP-18
Fluoranthene			<0.000010		mg/L		0.00001	10-SEP-18
Fluorene			<0.000010		mg/L		0.00001	10-SEP-18
Indeno(1,2,3-c,d)pyrene			<0.000010		mg/L		0.00001	10-SEP-18
1-Methylnaphthalene			<0.000050		mg/L		0.00005	10-SEP-18
2-Methylnaphthalene			<0.000050		mg/L		0.00005	10-SEP-18
Naphthalene			<0.000050		mg/L		0.00005	10-SEP-18
Phenanthrene			<0.000020		mg/L		0.00002	10-SEP-18
Pyrene			<0.000010		mg/L		0.00001	10-SEP-18
Quinoline			<0.000050		mg/L		0.00005	10-SEP-18
Surrogate: Acridine d9			83.5		%		60-130	10-SEP-18
Surrogate: Chrysene d12			73.7		%		60-130	10-SEP-18
Surrogate: Naphthalene d8			78.8		%		50-130	10-SEP-18
Surrogate: Phenanthrene d10			88.1		%		60-130	10-SEP-18
ALK-TITR-VA								
	Seawater							
Batch	R4205592							
WG2871096-5	DUP	L2156759-2						
Alkalinity, Total (as CaCO3)		92.1	91.6		mg/L	0.5	20	07-SEP-18
WG2871096-1	MB							
Alkalinity, Total (as CaCO3)			<1.0		mg/L		1	07-SEP-18
ANIONS-C-BR-IC-VA								
	Seawater							
Batch	R4205872							
WG2869978-6	LCS							
Bromide (Br)			103.8		%		85-115	07-SEP-18
WG2869978-5	MB							

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
ANIONS-C-BR-IC-VA								
Batch	R4205872							
WG2869978-5 MB								
Bromide (Br)			<5.0		mg/L		5	07-SEP-18
WG2869978-8 MS		L2156759-2						
Bromide (Br)			N/A	MS-B	%		-	07-SEP-18
ANIONS-C-CL-IC-VA								
Batch	R4205872							
WG2869978-6 LCS								
Chloride (Cl)			99.9		%		90-110	07-SEP-18
WG2869978-5 MB								
Chloride (Cl)			<50		mg/L		50	07-SEP-18
WG2869978-8 MS		L2156759-2						
Chloride (Cl)			N/A	MS-B	%		-	07-SEP-18
ANIONS-C-F-IC-VA								
Batch	R4205872							
WG2869978-6 LCS								
Fluoride (F)			100.9		%		90-110	07-SEP-18
WG2869978-5 MB								
Fluoride (F)			<1.0		mg/L		1	07-SEP-18
ANIONS-C-NO2-IC-VA								
Batch	R4205872							
WG2869978-6 LCS								
Nitrite (as N)			100.2		%		90-110	07-SEP-18
WG2869978-5 MB								
Nitrite (as N)			<0.10		mg/L		0.1	07-SEP-18
ANIONS-C-NO3-IC-VA								
Batch	R4205872							
WG2869978-6 LCS								
Nitrate (as N)			100.6		%		90-110	07-SEP-18
WG2869978-5 MB								
Nitrate (as N)			<0.50		mg/L		0.5	07-SEP-18
ANIONS-C-SO4-IC-VA								
Batch	R4205872							
WG2869978-6 LCS								
Sulfate (SO4)			100.9		%		90-110	07-SEP-18
WG2869978-5 MB								
Sulfate (SO4)			<30		mg/L		30	07-SEP-18
WG2869978-8 MS		L2156759-2						



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
ANIONS-C-SO4-IC-VA		Seawater						
Batch	R4205872							
WG2869978-8	MS	L2156759-2	N/A	MS-B	%		-	07-SEP-18
Sulfate (SO4)								
CARBONS-C-TOC-VA		Seawater						
Batch	R4203048							
WG2867907-1	DUP	L2156759-1	0.96		mg/L	5.0	20	03-SEP-18
Total Organic Carbon								
WG2867907-4	LCS		107.5		%		80-120	03-SEP-18
Total Organic Carbon								
WG2867907-3	MB		<0.50		mg/L		0.5	03-SEP-18
Total Organic Carbon								
WG2867907-2	MS	L2156759-2	103.3		%		70-130	03-SEP-18
Total Organic Carbon								
EC-C-PCT-VA		Seawater						
Batch	R4205592							
WG2871096-4	CRM	VA-EC-PCT-CONTROL	101.4		%		90-110	07-SEP-18
Conductivity								
WG2871096-5	DUP	L2156759-2	25500	25700	uS/cm	0.8	10	07-SEP-18
Conductivity								
WG2871096-1	MB		<2.0		uS/cm		2	07-SEP-18
Conductivity								
HG-DIS-C-CVAFS-VA		Seawater						
Batch	R4196203							
WG2865969-2	LCS		99.4		%		80-120	01-SEP-18
Mercury (Hg)-Dissolved								
WG2865969-1	MB	LF	<0.000010		mg/L		0.00001	01-SEP-18
Mercury (Hg)-Dissolved								
WG2865969-4	MS	L2156759-4	102.2		%		70-130	01-SEP-18
Mercury (Hg)-Dissolved								
HG-TOT-C-CVAFS-VA		Seawater						
Batch	R4203031							
WG2868487-2	LCS		101.0		%		80-120	05-SEP-18
Mercury (Hg)-Total								
WG2868487-1	MB		<0.000010		mg/L		0.00001	05-SEP-18
Mercury (Hg)-Total								
WG2868487-10	MS	L2156759-3	102.2		%		70-130	05-SEP-18
Mercury (Hg)-Total								
		Seawater						

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-D-L-HRMS-VA	Seawater							
Batch	R4204348							
WG2866192-2	LCS							
Aluminum (Al)-Dissolved			97.2		%		80-120	06-SEP-18
Antimony (Sb)-Dissolved			88.5		%		80-120	06-SEP-18
Arsenic (As)-Dissolved			97.4		%		80-120	06-SEP-18
Barium (Ba)-Dissolved			89.1		%		80-120	06-SEP-18
Beryllium (Be)-Dissolved			88.6		%		80-120	06-SEP-18
Bismuth (Bi)-Dissolved			88.3		%		80-120	06-SEP-18
Boron (B)-Dissolved			92.6		%		80-120	06-SEP-18
Cadmium (Cd)-Dissolved			90.4		%		80-120	06-SEP-18
Calcium (Ca)-Dissolved			87.6		%		80-120	06-SEP-18
Cesium (Cs)-Dissolved			90.5		%		80-120	06-SEP-18
Chromium (Cr)-Dissolved			92.4		%		80-120	06-SEP-18
Cobalt (Co)-Dissolved			96.8		%		80-120	06-SEP-18
Copper (Cu)-Dissolved			94.4		%		80-120	06-SEP-18
Gallium (Ga)-Dissolved			95.2		%		80-120	06-SEP-18
Iron (Fe)-Dissolved			97.1		%		80-120	06-SEP-18
Lead (Pb)-Dissolved			97.6		%		80-120	06-SEP-18
Lithium (Li)-Dissolved			88.3		%		80-120	06-SEP-18
Magnesium (Mg)-Dissolved			89.0		%		80-120	06-SEP-18
Manganese (Mn)-Dissolved			102.0		%		80-120	06-SEP-18
Molybdenum (Mo)-Dissolved			90.6		%		80-120	06-SEP-18
Nickel (Ni)-Dissolved			95.6		%		80-120	06-SEP-18
Phosphorus (P)-Dissolved			99.6		%		80-120	06-SEP-18
Potassium (K)-Dissolved			101.2		%		80-120	06-SEP-18
Rhenium (Re)-Dissolved			95.6		%		80-120	06-SEP-18
Rubidium (Rb)-Dissolved			89.1		%		80-120	06-SEP-18
Selenium (Se)-Dissolved			93.5		%		80-120	06-SEP-18
Silicon (Si)-Dissolved			102.6		%		80-120	06-SEP-18
Silver (Ag)-Dissolved			83.5		%		80-120	06-SEP-18
Sodium (Na)-Dissolved			103.0		%		80-120	06-SEP-18
Strontium (Sr)-Dissolved			95.6		%		80-120	06-SEP-18
Sulfur (S)-Dissolved			98.9		%		80-120	06-SEP-18
Tellurium (Te)-Dissolved			94.0		%		80-120	06-SEP-18
Thallium (Tl)-Dissolved			83.5		%		80-120	06-SEP-18
Thorium (Th)-Dissolved			90.0		%		80-120	06-SEP-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-D-L-HRMS-VA								
	Seawater							
Batch	R4204348							
WG2866192-2	LCS							
Tin (Sn)-Dissolved			98.8		%		80-120	06-SEP-18
Titanium (Ti)-Dissolved			101.6		%		80-120	06-SEP-18
Tungsten (W)-Dissolved			98.2		%		80-120	06-SEP-18
Uranium (U)-Dissolved			99.2		%		80-120	06-SEP-18
Vanadium (V)-Dissolved			98.2		%		80-120	06-SEP-18
Yttrium (Y)-Dissolved			92.2		%		80-120	06-SEP-18
Zinc (Zn)-Dissolved			90.2		%		80-120	06-SEP-18
Zirconium (Zr)-Dissolved			94.8		%		80-120	06-SEP-18
WG2866192-1	MB	LF						
Antimony (Sb)-Dissolved			<0.00050		mg/L		0.0005	06-SEP-18
Arsenic (As)-Dissolved			<0.0020		mg/L		0.002	06-SEP-18
Barium (Ba)-Dissolved			<0.0010		mg/L		0.001	06-SEP-18
Beryllium (Be)-Dissolved			<0.00050		mg/L		0.0005	06-SEP-18
Bismuth (Bi)-Dissolved			<0.00050		mg/L		0.0005	06-SEP-18
Boron (B)-Dissolved			<0.10		mg/L		0.1	06-SEP-18
Calcium (Ca)-Dissolved			<1.0		mg/L		1	06-SEP-18
Cesium (Cs)-Dissolved			<0.00050		mg/L		0.0005	06-SEP-18
Chromium (Cr)-Dissolved			<0.00050		mg/L		0.0005	06-SEP-18
Gallium (Ga)-Dissolved			<0.00050		mg/L		0.0005	06-SEP-18
Lead (Pb)-Dissolved			<0.00030		mg/L		0.0003	06-SEP-18
Lithium (Li)-Dissolved			<0.020		mg/L		0.02	06-SEP-18
Magnesium (Mg)-Dissolved			<1.0		mg/L		1	06-SEP-18
Molybdenum (Mo)-Dissolved			<0.0020		mg/L		0.002	06-SEP-18
Nickel (Ni)-Dissolved			<0.00050		mg/L		0.0005	06-SEP-18
Phosphorus (P)-Dissolved			<0.050		mg/L		0.05	06-SEP-18
Potassium (K)-Dissolved			<1.0		mg/L		1	06-SEP-18
Rhenium (Re)-Dissolved			<0.00050		mg/L		0.0005	06-SEP-18
Rubidium (Rb)-Dissolved			<0.0050		mg/L		0.005	06-SEP-18
Selenium (Se)-Dissolved			<0.0020		mg/L		0.002	06-SEP-18
Silicon (Si)-Dissolved			<1.0		mg/L		1	06-SEP-18
Silver (Ag)-Dissolved			<0.00010		mg/L		0.0001	06-SEP-18
Sodium (Na)-Dissolved			<1.0		mg/L		1	06-SEP-18
Strontium (Sr)-Dissolved			<0.010		mg/L		0.01	06-SEP-18
Sulfur (S)-Dissolved			<5.0		mg/L		5	06-SEP-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-D-L-HRMS-VA		Seawater						
Batch	R4204348							
WG2866192-1	MB	LF						
Tellurium (Te)-Dissolved			<0.00050		mg/L		0.0005	06-SEP-18
Thallium (Tl)-Dissolved			<0.000050		mg/L		0.00005	06-SEP-18
Thorium (Th)-Dissolved			<0.00050		mg/L		0.0005	06-SEP-18
Tin (Sn)-Dissolved			<0.0010		mg/L		0.001	06-SEP-18
Titanium (Ti)-Dissolved			<0.0050		mg/L		0.005	06-SEP-18
Tungsten (W)-Dissolved			<0.0010		mg/L		0.001	06-SEP-18
Uranium (U)-Dissolved			<0.000050		mg/L		0.00005	06-SEP-18
Vanadium (V)-Dissolved			<0.00050		mg/L		0.0005	06-SEP-18
Yttrium (Y)-Dissolved			<0.00050		mg/L		0.0005	06-SEP-18
Zirconium (Zr)-Dissolved			<0.00050		mg/L		0.0005	06-SEP-18
Batch	R4205191							
WG2866192-1	MB	LF						
Aluminum (Al)-Dissolved			<0.0050		mg/L		0.005	06-SEP-18
Cadmium (Cd)-Dissolved			<0.000050		mg/L		0.00005	06-SEP-18
Cobalt (Co)-Dissolved			<0.000050		mg/L		0.00005	06-SEP-18
Copper (Cu)-Dissolved			<0.00050		mg/L		0.0005	06-SEP-18
Iron (Fe)-Dissolved			<0.010		mg/L		0.01	06-SEP-18
Manganese (Mn)-Dissolved			<0.00020		mg/L		0.0002	06-SEP-18
Zinc (Zn)-Dissolved			<0.0030		mg/L		0.003	06-SEP-18
MET-T-L-HRMS-VA		Seawater						
Batch	R4204348							
WG2865917-2	LCS							
Aluminum (Al)-Total			96.6		%		80-120	06-SEP-18
Antimony (Sb)-Total			95.0		%		80-120	06-SEP-18
Arsenic (As)-Total			94.4		%		80-120	06-SEP-18
Barium (Ba)-Total			97.0		%		80-120	06-SEP-18
Beryllium (Be)-Total			96.2		%		80-120	06-SEP-18
Bismuth (Bi)-Total			87.0		%		80-120	06-SEP-18
Boron (B)-Total			93.6		%		80-120	06-SEP-18
Cadmium (Cd)-Total			96.5		%		80-120	06-SEP-18
Calcium (Ca)-Total			91.2		%		80-120	06-SEP-18
Cesium (Cs)-Total			97.2		%		80-120	06-SEP-18
Chromium (Cr)-Total			92.8		%		80-120	06-SEP-18
Cobalt (Co)-Total			94.4		%		80-120	06-SEP-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-T-L-HRMS-VA		Seawater						
Batch	R4204348							
WG2865917-2	LCS							
Copper (Cu)-Total			90.8		%		80-120	06-SEP-18
Gallium (Ga)-Total			95.6		%		80-120	06-SEP-18
Iron (Fe)-Total			96.4		%		80-120	06-SEP-18
Lead (Pb)-Total			98.6		%		80-120	06-SEP-18
Lithium (Li)-Total			98.2		%		80-120	06-SEP-18
Magnesium (Mg)-Total			90.2		%		80-120	06-SEP-18
Manganese (Mn)-Total			100.8		%		80-120	06-SEP-18
Molybdenum (Mo)-Total			94.8		%		80-120	06-SEP-18
Nickel (Ni)-Total			94.2		%		80-120	06-SEP-18
Phosphorus (P)-Total			96.1		%		80-120	06-SEP-18
Potassium (K)-Total			99.7		%		80-120	06-SEP-18
Rhenium (Re)-Total			95.7		%		80-120	06-SEP-18
Rubidium (Rb)-Total			94.8		%		80-120	06-SEP-18
Selenium (Se)-Total			90.5		%		80-120	06-SEP-18
Silicon (Si)-Total			96.3		%		80-120	06-SEP-18
Silver (Ag)-Total			94.9		%		80-120	06-SEP-18
Sodium (Na)-Total			100.4		%		80-120	06-SEP-18
Strontium (Sr)-Total			90.0		%		80-120	06-SEP-18
Sulfur (S)-Total			94.9		%		70-130	06-SEP-18
Tellurium (Te)-Total			97.5		%		80-120	06-SEP-18
Thallium (Tl)-Total			87.2		%		80-120	06-SEP-18
Thorium (Th)-Total			92.2		%		80-120	06-SEP-18
Tin (Sn)-Total			97.6		%		80-120	06-SEP-18
Titanium (Ti)-Total			96.4		%		80-120	06-SEP-18
Tungsten (W)-Total			90.9		%		80-120	06-SEP-18
Uranium (U)-Total			99.0		%		80-120	06-SEP-18
Vanadium (V)-Total			99.0		%		80-120	06-SEP-18
Yttrium (Y)-Total			93.4		%		80-120	06-SEP-18
Zinc (Zn)-Total			89.6		%		80-120	06-SEP-18
Zirconium (Zr)-Total			99.0		%		80-120	06-SEP-18
WG2865917-1	MB							
Aluminum (Al)-Total			<0.0050		mg/L		0.005	06-SEP-18
Antimony (Sb)-Total			<0.00050		mg/L		0.0005	06-SEP-18
Arsenic (As)-Total			<0.0020		mg/L		0.002	06-SEP-18



Quality Control Report

Workorder: L2156759

Report Date: 10-SEP-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-T-L-HRMS-VA	Seawater							
Batch	R4204348							
WG2865917-1 MB								
Barium (Ba)-Total			<0.0010		mg/L		0.001	06-SEP-18
Beryllium (Be)-Total			<0.00050		mg/L		0.0005	06-SEP-18
Bismuth (Bi)-Total			<0.00050		mg/L		0.0005	06-SEP-18
Boron (B)-Total			<0.10		mg/L		0.1	06-SEP-18
Cadmium (Cd)-Total			<0.000050		mg/L		0.00005	06-SEP-18
Calcium (Ca)-Total			<1.0		mg/L		1	06-SEP-18
Cesium (Cs)-Total			<0.00050		mg/L		0.0005	06-SEP-18
Chromium (Cr)-Total			<0.00050		mg/L		0.0005	06-SEP-18
Cobalt (Co)-Total			<0.000050		mg/L		0.00005	06-SEP-18
Copper (Cu)-Total			<0.00050		mg/L		0.0005	06-SEP-18
Gallium (Ga)-Total			<0.00050		mg/L		0.0005	06-SEP-18
Iron (Fe)-Total			<0.010		mg/L		0.01	06-SEP-18
Lead (Pb)-Total			<0.00030		mg/L		0.0003	06-SEP-18
Lithium (Li)-Total			<0.020		mg/L		0.02	06-SEP-18
Magnesium (Mg)-Total			<1.0		mg/L		1	06-SEP-18
Manganese (Mn)-Total			<0.00020		mg/L		0.0002	06-SEP-18
Molybdenum (Mo)-Total			<0.0020		mg/L		0.002	06-SEP-18
Nickel (Ni)-Total			<0.00050		mg/L		0.0005	06-SEP-18
Phosphorus (P)-Total			<0.050		mg/L		0.05	06-SEP-18
Potassium (K)-Total			<1.0		mg/L		1	06-SEP-18
Rhenium (Re)-Total			<0.00050		mg/L		0.0005	06-SEP-18
Rubidium (Rb)-Total			<0.0050		mg/L		0.005	06-SEP-18
Selenium (Se)-Total			<0.0020		mg/L		0.002	06-SEP-18
Silicon (Si)-Total			<1.0		mg/L		1	06-SEP-18
Silver (Ag)-Total			<0.00010		mg/L		0.0001	06-SEP-18
Sodium (Na)-Total			<1.0		mg/L		1	06-SEP-18
Strontium (Sr)-Total			<0.010		mg/L		0.01	06-SEP-18
Sulfur (S)-Total			<5.0		mg/L		5	06-SEP-18
Tellurium (Te)-Total			<0.00050		mg/L		0.0005	06-SEP-18
Thallium (Tl)-Total			<0.000050		mg/L		0.00005	06-SEP-18
Thorium (Th)-Total			<0.00050		mg/L		0.0005	06-SEP-18
Tin (Sn)-Total			<0.0010		mg/L		0.001	06-SEP-18
Titanium (Ti)-Total			<0.0050		mg/L		0.005	06-SEP-18
Tungsten (W)-Total			<0.0010		mg/L		0.001	06-SEP-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-T-L-HRMS-VA		Seawater						
Batch	R4204348							
WG2865917-1	MB							
Uranium (U)-Total			<0.000050		mg/L		0.00005	06-SEP-18
Vanadium (V)-Total			<0.00050		mg/L		0.0005	06-SEP-18
Yttrium (Y)-Total			<0.00050		mg/L		0.0005	06-SEP-18
Zinc (Zn)-Total			<0.0030		mg/L		0.003	06-SEP-18
Zirconium (Zr)-Total			<0.00050		mg/L		0.0005	06-SEP-18
NH3-F-VA		Seawater						
Batch	R4196326							
WG2865925-3	DUP	L2156759-4						
Ammonia, Total (as N)		<0.0050	<0.0050	RPD-NA	mg/L	N/A	20	02-SEP-18
WG2865925-2	LCS							
Ammonia, Total (as N)			94.2		%		85-115	02-SEP-18
WG2865925-1	MB							
Ammonia, Total (as N)			<0.0050		mg/L		0.005	02-SEP-18
WG2865925-4	MS	L2156759-4						
Ammonia, Total (as N)			90.3		%		75-125	02-SEP-18
PH-C-PCT-VA		Seawater						
Batch	R4205592							
WG2871096-2	CRM	VA-PH7-BUF						
pH			6.99		pH		6.9-7.1	07-SEP-18
WG2871096-5	DUP	L2156759-2						
pH		7.94	7.93	J	pH	0.01	0.3	07-SEP-18
TKN-C-F-VA		Seawater						
Batch	R4203481							
WG2868638-2	LCS							
Total Kjeldahl Nitrogen			100.4		%		75-125	06-SEP-18
WG2868638-1	MB							
Total Kjeldahl Nitrogen			<0.050		mg/L		0.05	06-SEP-18
TSS-C-VA		Seawater						
Batch	R4201908							
WG2866832-2	LCS							
Total Suspended Solids			97.3		%		85-115	04-SEP-18
WG2866832-1	MB							
Total Suspended Solids			<2.0		mg/L		2	04-SEP-18
TURBIDITY-C-VA		Seawater						



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
TURBIDITY-C-VA	Seawater							
Batch	R4196200							
WG2866252-2	CRM	VA-FORM-40						
Turbidity			101.3		%		85-115	01-SEP-18
WG2866252-3	DUP	L2156759-1						
Turbidity		0.24	0.24		NTU	0.8	15	01-SEP-18
WG2866252-1	MB							
Turbidity			<0.10		NTU		0.1	01-SEP-18

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Legend:

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

Sample Parameter Qualifier Definitions:

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

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Hold Time Exceedances:

ALS Product Description	Sample ID	Sampling Date	Date Processed	Rec. HT	Actual HT	Units	Qualifier
Physical Tests							
Turbidity by Meter in Seawater							
	1	28-AUG-18 07:55	01-SEP-18 12:00	3	4	days	EHTR
	2	28-AUG-18 08:15	01-SEP-18 12:00	3	4	days	EHTR
	3	28-AUG-18 07:45	01-SEP-18 12:00	3	4	days	EHTR
	4	28-AUG-18 08:05	01-SEP-18 12:00	3	4	days	EHTR
pH by Meter (Automated) (seawater)							
	1	28-AUG-18 07:55	07-SEP-18 12:39	0.25	245	hours	EHTR-FM
	2	28-AUG-18 08:15	07-SEP-18 12:39	0.25	244	hours	EHTR-FM
	3	28-AUG-18 07:45	07-SEP-18 12:39	0.25	245	hours	EHTR-FM
	4	28-AUG-18 08:05	07-SEP-18 12:39	0.25	245	hours	EHTR-FM
Anions and Nutrients							
Nitrate in Seawater by IC							
	1	28-AUG-18 07:55	07-SEP-18 13:12	3	10	days	EHTR
	2	28-AUG-18 08:15	07-SEP-18 13:12	3	10	days	EHTR
	3	28-AUG-18 07:45	07-SEP-18 13:12	3	10	days	EHTR
	4	28-AUG-18 08:05	07-SEP-18 13:12	3	10	days	EHTR
Nitrite in Seawater by IC							
	1	28-AUG-18 07:55	07-SEP-18 13:12	3	10	days	EHTR
	2	28-AUG-18 08:15	07-SEP-18 13:12	3	10	days	EHTR
	3	28-AUG-18 07:45	07-SEP-18 13:12	3	10	days	EHTR
	4	28-AUG-18 08:05	07-SEP-18 13:12	3	10	days	EHTR
Bacteriological Tests							
Fecal coliform by membrane filtration							
	1	28-AUG-18 07:55	31-AUG-18 14:00	30	78	hours	EHTR
	2	28-AUG-18 08:15	31-AUG-18 14:00	30	78	hours	EHTR
	3	28-AUG-18 07:45	31-AUG-18 14:00	30	78	hours	EHTR
	4	28-AUG-18 08:05	31-AUG-18 14:00	30	78	hours	EHTR

Legend & Qualifier Definitions:

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

Notes*:

Where actual sampling date is not provided to ALS, the date (& time) of receipt is used for calculation purposes.
 Where actual sampling time is not provided to ALS, the earlier of 12 noon on the sampling date or the time (& date) of receipt is used for calculation purposes. Samples for L2156759 were received on 31-AUG-18 09:30.

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

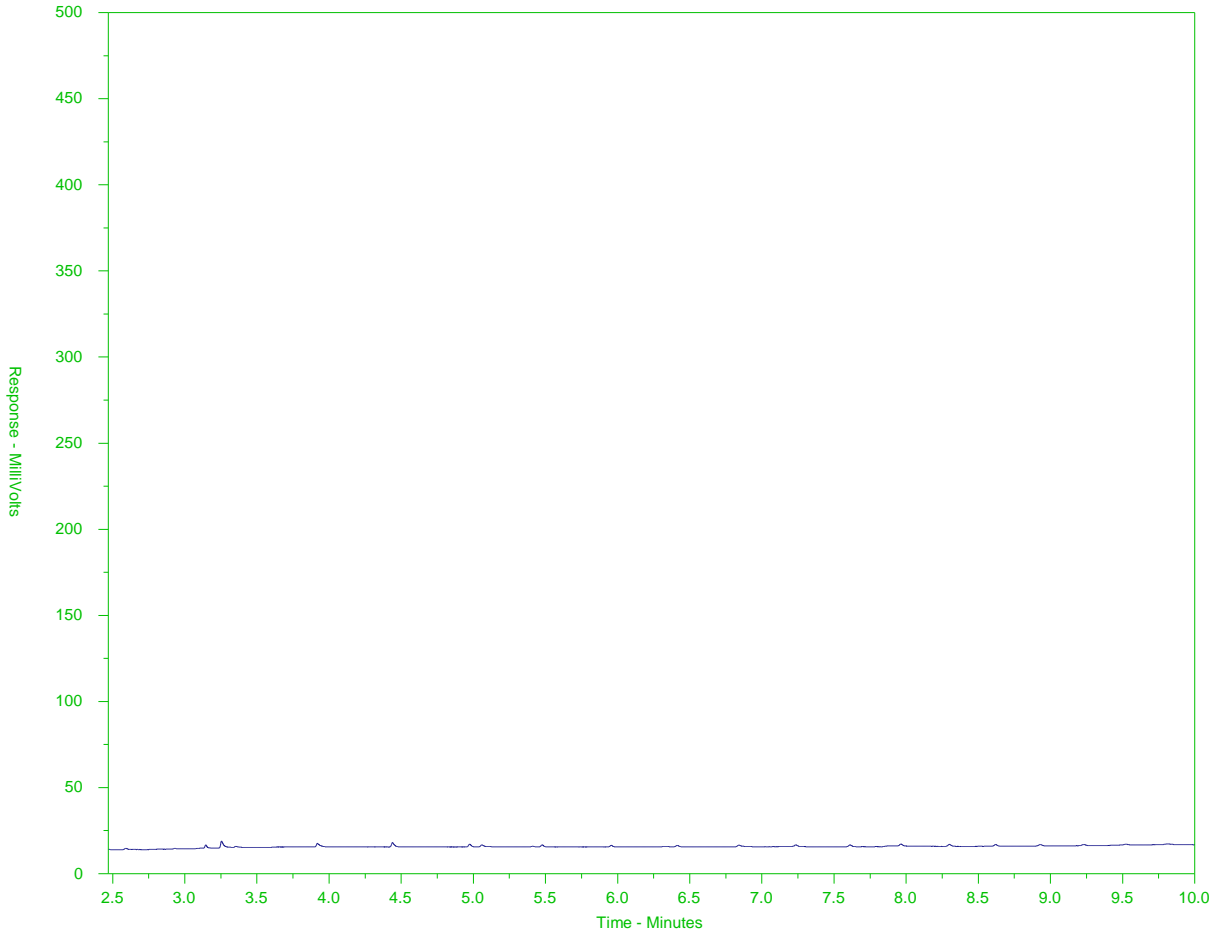
The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide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

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

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2156759-1
 Client Sample ID: SOURCE



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →		← Motor Oils/ Lube Oils/ Grease →	
← Diesel/ Jet Fuels →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

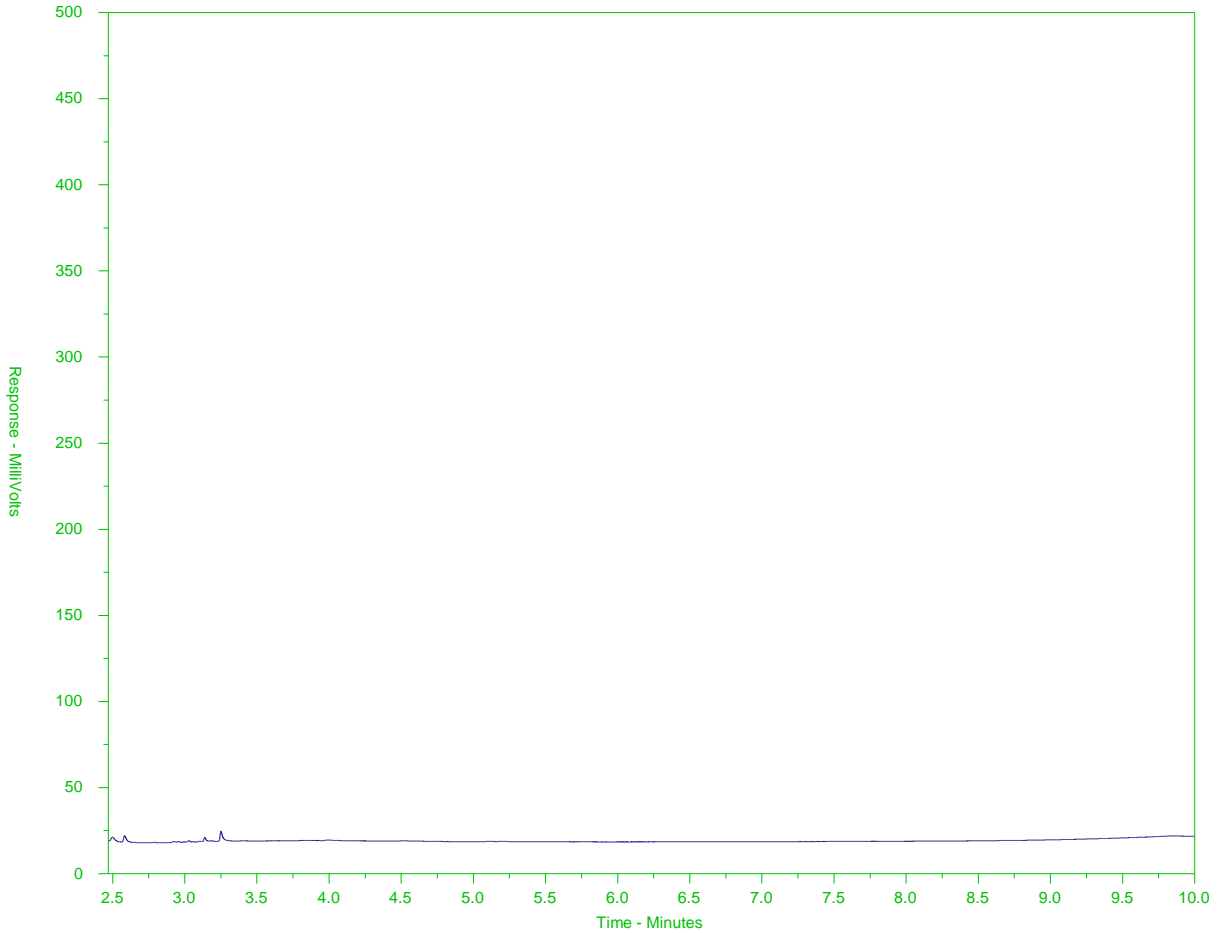
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2156759-2
 Client Sample ID: WNW



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →		← Motor Oils/ Lube Oils/ Grease →	
← Diesel/ Jet Fuels →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

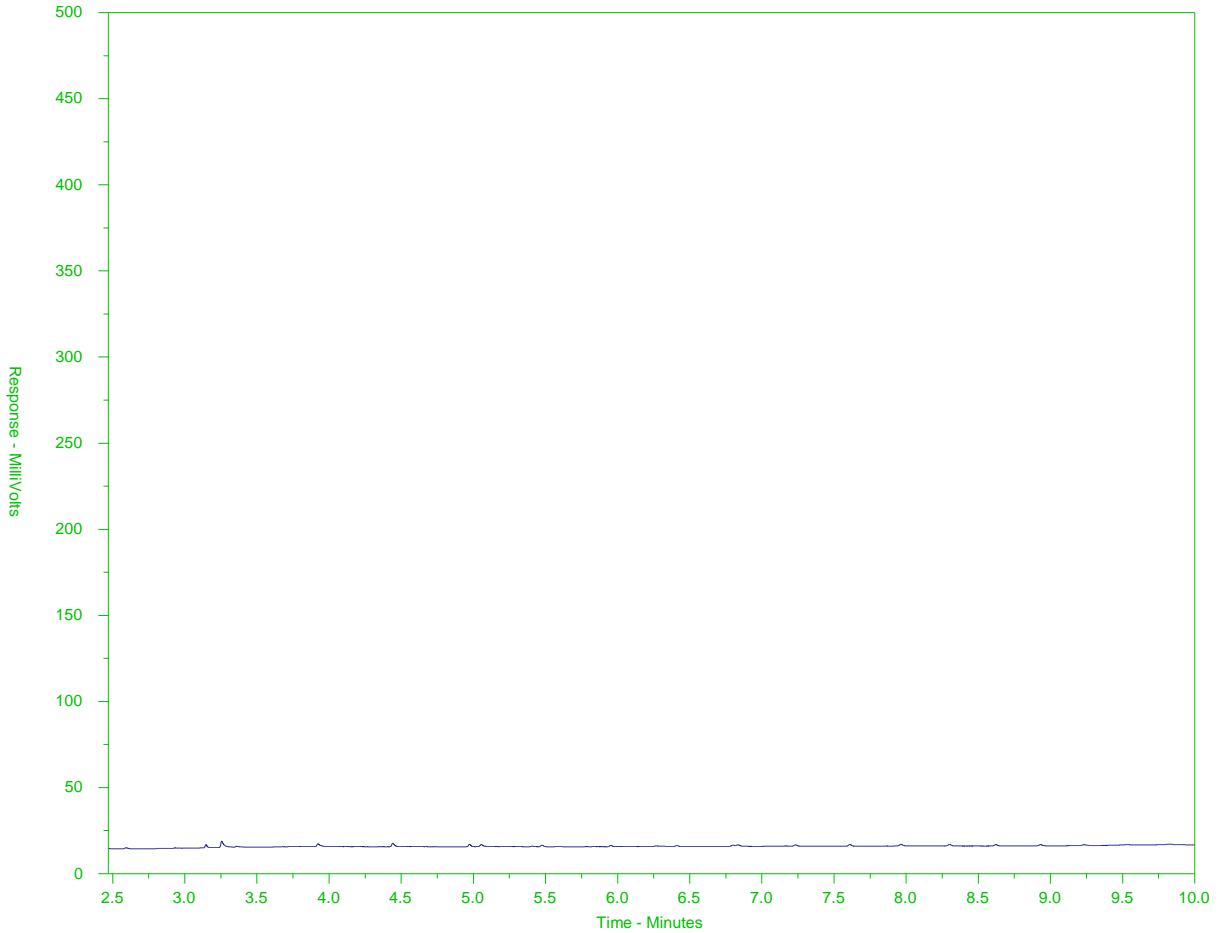
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2156759-3
 Client Sample ID: NORTH



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →	← Motor Oils/ Lube Oils/ Grease →		
← Diesel/ Jet Fuels →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

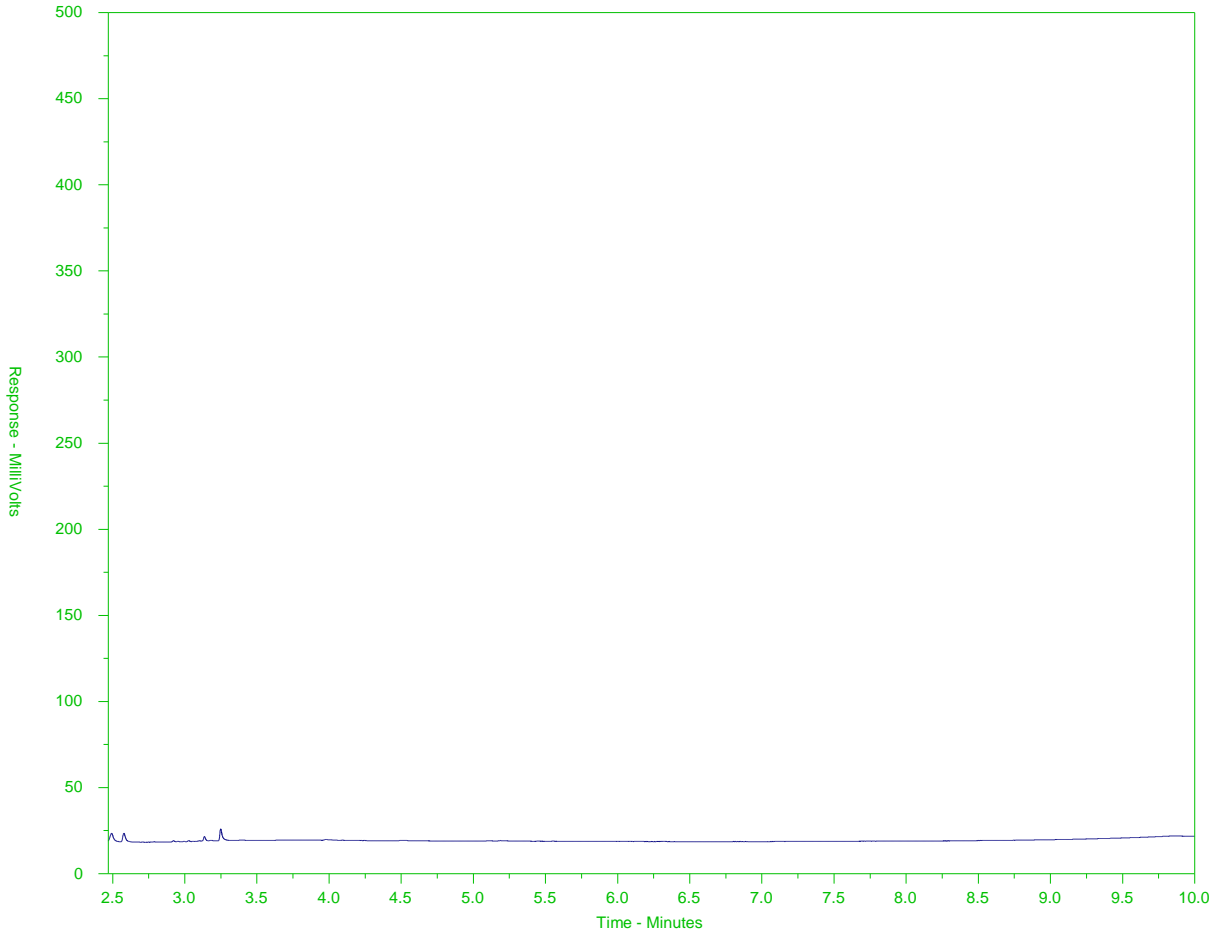
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2156759-4
 Client Sample ID: ENE



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →	← Motor Oils/ Lube Oils/ Grease →		
← Diesel/ Jet Fuels →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

ANNEXE B-2
WATER QUALITY SCREENING TABLE

Client Sample ID	Date Sampled	Time Sampled	Units	CCME Marine WQG for Protection of Aquatic Life	SOURCE WNW DUP-A (WNW)				SOURCE WNW NORTH ENE				SOURCE WNW DUP-B (WNW)				SOURCE WNW NORTH ENE				SOURCE WNW NORTH ENE												
					Lowest Detection Limit	1-Aug-2018 10:30	1-Aug-2018 10:00	1-Aug-2018 0:00	Relative Percent Difference (RDP)	1-Aug-2018 10:10	1-Aug-2018 10:20	Lowest Detection Limit	7-Aug-2018 17:30	7-Aug-2018 17:20	7-Aug-2018 17:00	7-Aug-2018 17:10	Lowest Detection Limit	14-Aug-2018 0:00	14-Aug-2018 0:00	14-Aug-2018 0:00	Relative Percent Difference (RDP)	14-Aug-2018 0:00	14-Aug-2018 0:00	Lowest Detection Limit	21-Aug-2018 8:50	21-Aug-2018 9:00	21-Aug-2018 9:05	21-Aug-2018 9:10	Lowest Detection Limit	28-Aug-2018 7:55	28-Aug-2018 8:15	28-Aug-2018 7:45	28-Aug-2018 8:05
ALS Sample ID	Parameter		Short Term	Long Term	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	
Physical Parameters																																	
	Salinity (calculated by Golder)	psu			-	6.5	6.5	6.6	1.5%	8.5	8.3	-	6.9	7.7	8.7	9.9	-	5.4	5.6	5.7	1.8%	5.6	5.4	-	5.4	7.4	10.1	5.6	-	18.5	15.6	14.4	19.3
	Conductivity	uS/cm			2.0	11300	11400	11500	0.9%	14200	18300	2.0	12100	13500	14900	17000	2.0	9630	10100	10100	0.0%	9970	9690	2.0	9460	12800	17000	9770	2.0	29800	25500	23700	31100
	Hardness (as CaCO3)	mg/L			4.3	1170	1150	1140	0.9%	1440	1920	4.3	1300	1390	1550	1780	4.3	932	926	1010	8.7%	928	876	4.3	1020	1340	1610	1070	4.3	3440	2630	2420	3260
	pH				7.9-8.7	8.05	8.03	8.03	0.0%	8.02	7.12	0.10	8.09	8.08	8.07	8.07	0.10	8.08	8.07	8.07	0.0%	8.07	8.09	0.10	8.06	8.06	8.03	8.08	0.10	7.91	7.94	7.93	7.93
	Total Suspended Solids	mg/L	< 25 mg/L above background	< 5mg/L above background	-	4.30	<2.0	2.20	NA	<2.0	3.10	-	<2.0	<2.0	<2.0	<2.0	-	2.20	<2.0	<2.0	NA	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0
	Turbidity	NTU	<8 NTU above background	<2 NTU above background	0.10	2.52	1.02	0.94	8.2%	0.71	1.91	0.10	0.55	0.58	0.49	0.60	0.10	0.88	0.65	0.60	8.0%	0.50	0.66	0.10	0.74	0.91	0.57	0.46	0.10	0.24	0.21	0.23	0.19
Anions and Nutrients																																	
	Alkalinity, Total (as CaCO3)	mg/L			1.0	94.7	87.9	88.0	0.1%	90.1	90.1	1.0	80.5	80.7	80.4	83.2	1.0	89.0	84.9	85.2	0.4%	84.7	90.2	1.0	98.9	99.3	96.5	97.2	1.0	90	92	93.5	91.0
	Ammonia, Total (as N)	mg/L			0.0050	0.0139	<0.0050	<0.0050	NA	<0.0050	<0.0050	0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	<0.0050	<0.0050	<0.0050	NA	<0.0050	<0.0050	0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	Bromide (Br)	mg/L			-	12.60	12.60	12.00	4.9%	15.80	15.00	-	13.4	15.0	17.3	20.2	-	10.4	10.1	10.3	2.0%	10.5	10.4	-	10.2	15.1	19.8	11.1	-	33.5	27.9	25.3	40.2
	Chloride (Cl)	mg/L			-	3590.00	3550.00	3570.00	0.6%	4610.00	4500.00	-	3850	4360	4940	5800	-	2950	3050	3070	0.7%	3080	2950	-	2980	4240	5550	3190	-	9550	7910	7180	11300
	Fluoride (F)	mg/L			-	<1.0	<1.0	<1.0	NA	<1.0	<1.0	-	<1.0	<1.0	<1.0	<1.0	-	<1.0	<1.0	<1.0	NA	<1.0	<1.0	-	<1.0	<1.0	<1.0	<1.0	-	<1.0	<1.0	<1.0	<1.0
	Nitrate (as N)	mg/L	1500	200	-	<0.50	<0.50	<0.50	NA	<0.50	<0.50	-	<0.50	<0.50	<0.50	<0.50	-	<0.50	<0.50	<0.50	NA	<0.50	<0.50	-	<0.50	<0.50	<0.50	<0.50	-	<0.50	<0.50	<0.50	<0.50
	Nitrite (as N)	mg/L			-	<0.10	<0.10	0.10	NA	<0.10	<0.10	-	<0.10	<0.10	<0.10	<0.10	-	<0.10	<0.10	<0.10	NA	<0.10	<0.10	-	<0.10	<0.10	<0.10	<0.10	-	<0.10	<0.10	<0.10	<0.10
	Total Kjeldahl Nitrogen	mg/L			0.050	0.135	0.115	0.113	NA	0.106	0.095	0.050	0.081	0.090	0.091	0.090	0.050	0.129	0.105	0.145	NA	0.084	0.105	0.050	0.125	0.121	0.103	0.099	0.050	0.064	0.069	0.079	0.060
	Sulfate (SO4)	mg/L			-	489.00	483.00	483.00	0.0%	629.00	607.00	-	497	553	655	765	-	396	410	420	2.4%	411	398	-	403	582	766	433	-	1330	1100	987	1570
Organic / Inorganic Carbon																																	
	Total Organic Carbon	mg/L			0.50	1.5	1.2	1.2	NA	1.1	1.24	0.50	1.33	1.77	1.22	1.20	0.50	1.45	1.12	1.14	NA	1.02	1.35	0.50	1.6	1.5	1.18	1.5	0.50	0.92	0.96	0.99	0.9
Bacteriological Tests																																	
	Coliform Bacteria - Fecal	CFU/100mL			-	<1	<1	<1	NA	<1	<1	-	<1	<1	<1	<1	-	<1	<1	<1	NA	<1	<1	-	<1	<1	<1	<1	-	<1	<1	<1	<1
Total Metals																																	
	Aluminum (Al)-Total	mg/L			0.0050	0.0478	0.0164	0.0207	NA	0.0149	0.0378	0.0050	0.0155	0.0165	0.0142	0.0209	0.0050	0.0213	0.0129	0.0143	NA	0.0124	0.0186	0.0050	0.0186	0.0184	0.0169	0.0114	0.0050	0.009	0.0095	0.0091	0.0082
	Antimony (Sb)-Total	mg/L			0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Arsenic (As)-Total	mg/L	0.0125		0.0020	<0.0020	<0.0020	<0.0020	NA	<0.0020	<0.0020	0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	<0.0020	<0.0020	<0.0020	NA	<0.0020	<0.0020	0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	<0.0020	<0.0020	<0.0020	<0.0020
	Barium (Ba)-Total	mg/L			0.0010	0.0052	0.0047	0.0055	15.7%	0.0055	0.0051	0.0010	0.0058	0.0060	0.0056	0.0064	0.0010	0.0047	0.0046	0.0048	NA	0.0046	0.0046	0.0010	0.0053	0.0058	0.0061	0.0059	0.0010	0.0080	0.0070	0.0071	0.0077
	Beryllium (Be)-Total	mg/L			0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Bismuth (Bi)-Total	mg/L			0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Boron (B)-Total	mg/L			0.10	1.03	0.97	0.99	2.0%	1.32	1.26	0.10	0.94	1.10	1.21	1.40	0.10	0.74	0.76	0.74	2.7%	0.74	0.71	0.10	0.72	0.98	0.98	0.79	0.10	2.61	2.25	2.16	2.74
	Cadmium (Cd)-Total	mg/L	0.00012		0.000050	<0.000050	<0.000050	<0.000050	NA	<0.000050	<0.000050	0.000050	<0.000050	<0.000050	<0.000050	<0.000050	0.000050	<0.000050	<0.000050	<0.000050	NA	<0.000050	<0.000050	0.000050	<0.000050	<0.000050	<0.000050	<0.000050	0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Calcium (Ca)-Total	mg/L			0.50	95	98	100	1.4%	115	114	0.50	95.6	105.0	118.0	135	0.50	76	86	82	4.4%	78	78	0.50	84	103	99	87	0.50	229	198	180	241
	Cesium (Cs)-Total	mg/L			0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Chromium (Cr)-Total	mg/L	0.0015 (Cr(VI))		0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Cobalt (Co)-Total	mg/L			0.000050	<0.000050	<0.000050	<0.000050	NA	<0.000050	<0.000050	0.000050	<0.000050	<0.000050	<0.000050	<0.000050	0.000050	<0.000050	<0.000050	<0.000050	NA	<0.000050	<0.000050	0.000050	<0.000050	<0.000050	<0.000050	<0.000050	0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Copper (Cu)-Total	mg/L			0.00050	0.00085	0.00079	0.00085	NA	<0.00050	0.00081	0.00050	<0.00050	<0.00050	<0.00050	<0.00050	0.00050	0.00052	<0.00050	0.00051	NA	0.00053	0.00054	0.00050	<0.00050	0.00085	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Gallium (Ga)-Total	mg/L			0.00050	<0.00050	<0.00050	&																									

ANNEXE B-2
WATER QUALITY SCREENING TABLE

Client Sample ID	Date Sampled	Time Sampled	ALS Sample ID	Parameter	Units	CCME Marine WQG for Protection of Aquatic Life				SOURCE WNW DUP-A (WNW)				SOURCE WNW NORTH ENE				SOURCE WNW DUP-B (WNW)				SOURCE WNW NORTH ENE				SOURCE WNW NORTH ENE											
						Short Term	Long Term	Lowest Detection Limit	1-Aug-2018 10:30	1-Aug-2018 10:00	1-Aug-2018 0:00	Relative Percent Difference (RDP)	1-Aug-2018 10:10	1-Aug-2018 10:20	Lowest Detection Limit	7-Aug-2018 17:30	7-Aug-2018 17:20	7-Aug-2018 17:00	7-Aug-2018 17:10	Lowest Detection Limit	14-Aug-2018 0:00	14-Aug-2018 0:00	14-Aug-2018 0:00	Relative Percent Difference (RDP)	14-Aug-2018 0:00	14-Aug-2018 0:00	Lowest Detection Limit	21-Aug-2018 8:50	21-Aug-2018 9:00	21-Aug-2018 9:05	21-Aug-2018 9:10	Lowest Detection Limit	28-Aug-2018 7:55	28-Aug-2018 8:15	28-Aug-2018 7:45	28-Aug-2018 8:05	
Dissolved Metals						Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater		
Dissolved Mercury Filtration Location						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dissolved Metals Filtration Location						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aluminum (Al)-Dissolved	mg/L	0.0050	<0.0050	<0.0050	<0.0050	NA	<0.0050	<0.0050	0.0050	0.0072	0.0071	0.0068	0.0059	0.0050	<0.0050	<0.0050	<0.0050	NA	<0.0050	<0.0050	0.0050	<0.0050	<0.0050	<0.0050	0.0079	0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050		
Antimony (Sb)-Dissolved	mg/L	0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	NA	<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		
Arsenic (As)-Dissolved	mg/L	0.0020	<0.0020	<0.0020	<0.0020	NA	<0.0020	<0.0020	0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	<0.0020	<0.0020	<0.0020	NA	<0.0020	<0.0020	0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020		
Barium (Ba)-Dissolved	mg/L	0.0010	0.0046	0.0048	0.0050	NA	0.0054	0.0053	0.0010	0.0055	0.0054	0.0056	0.0057	0.0010	0.0045	0.0044	0.0043	NA	0.0047	0.0040	0.0010	0.0054	0.0061	0.0059	0.0054	0.0010	0.0077	0.0070	0.0068	0.0068	0.0068	0.0068	0.0068	0.0068			
Beryllium (Be)-Dissolved	mg/L	0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	NA	<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		
Bismuth (Bi)-Dissolved	mg/L	0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	NA	<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		
Boron (B)-Dissolved	mg/L	0.10	0.92	1.03	0.99	4.0%	1.26	1.30	0.10	0.96	1.08	1.21	1.40	0.10	0.69	0.76	0.71	6.8%	0.70	0.67	0.10	0.73	1.00	1.17	0.78	0.10	2.61	2.22	2.09	2.89	2.89	2.89	2.89				
Cadmium (Cd)-Dissolved	mg/L	0.000050	<0.000050	<0.000050	<0.000050	NA	<0.000050	<0.000050	0.000050	<0.000050	<0.000050	<0.000050	<0.000050	0.000050	<0.000050	<0.000050	<0.000050	NA	<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	<0.000050	<0.000050	<0.000050	<0.000050		
Calcium (Ca)-Dissolved	mg/L	0.50	91.9	95	96	0.6%	108	112	0.50	100.0	105.0	114.0	132	0.50	78	75	84	11.3%	75	77	0.50	85	107.0	124	88	0.50	232	196	184	241	241	241	241	241			
Cesium (Cs)-Dissolved	mg/L	0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	NA	<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		
Chromium (Cr)-Dissolved	mg/L	0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	0.00063	0.00063	0.00063	0.00063	0.00063				
Cobalt (Co)-Dissolved	mg/L	0.000050	<0.000050	<0.000050	<0.000050	NA	<0.000050	<0.000050	0.000050	<0.000050	<0.000050	<0.000050	<0.000050	0.000050	<0.000050	<0.000050	<0.000050	NA	<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	<0.000050	<0.000050	<0.000050			
Copper (Cu)-Dissolved	mg/L	0.00050	0.00069	0.00053	0.00096	NA	<0.00050	0.00051	0.00050	<0.00050	<0.00050	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	0.00050	<0.00050	0.00064	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050		
Gallium (Ga)-Dissolved	mg/L	0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	NA	<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		
Iron (Fe)-Dissolved	mg/L	0.010	<0.010	<0.010	<0.010	NA	<0.010	<0.010	0.010	<0.010	<0.010	<0.010	<0.010	0.010	<0.010	<0.010	<0.010	NA	<0.010	<0.010	0.010	<0.010	<0.010	<0.010	<0.010	0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010		
Lead (Pb)-Dissolved	mg/L	0.00030	<0.00030	<0.00030	<0.00030	NA	<0.00030	<0.00030	0.00030	<0.00030	<0.00030	<0.00030	<0.00030	0.00030	<0.00030	<0.00030	<0.00030	NA	<0.00030	<0.00030	0.00030	<0.00030	<0.00030	<0.00030	<0.00030	0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030		
Lithium (Li)-Dissolved	mg/L	0.020	0.034	0.037	0.039	NA	0.047	0.050	0.020	0.047	0.037	0.039	0.049	0.020	0.028	0.029	0.028	NA	0.027	0.023	0.020	0.033	0.043	0.050	0.033	0.020	0.100	0.084	0.079	0.108	0.108	0.108	0.108	0.108			
Magnesium (Mg)-Dissolved	mg/L	1.0	228	223	218	2.3%	316	283	1.0	254	273	307	352	1.0	179	180	194	7.5%	180	166	1.0	197	260	316	206	1.0	695	520	475	646	646	646	646	646			
Manganese (Mn)-Dissolved	mg/L	0.00020	0.00087	0.00103	0.00107	3.8%	0.0063	0.0061	0.00020	0.00076	0.00088	0.00084	0.00097	0.00020	0.00287	0.00059	0.00061	NA	0.00081	0.00054	0.00020	0.00059	0.00062	0.00067	0.00109	0.00020	0.00089	0.00076	0.00081	0.00078	0.00078	0.00078	0.00078	0.00078			
Mercury (Hg)-Dissolved	mg/L	0.000010	<0.000010	<0.000010	<0.000010	NA	<0.000010	<0.000010	0.000010	<0.000010	<0.000010	<0.000010	<0.000010	0.000010	<0.000010	<0.000010	<0.000010	NA	<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		
Molybdenum (Mo)-Dissolved	mg/L	0.0020	0.0020	0.0022	0.0025	NA	0.0027	0.0029	0.0020	0.0022	0.0025	0.0027	0.0032	0.0020	<0.0020	<0.0020	<0.0020	NA	<0.0020	<0.0020	0.0020	<0.0020	0.0031	0.0021	0.0021	0.0020	0.0063	0.0053	0.0049	0.0069	0.0069	0.0069	0.0069	0.0069			
Nickel (Ni)-Dissolved	mg/L	0.00050	<0.00050	<0.00050	<0.00050	NA	0.00318	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	<0.00050	NA	<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		
Phosphorus (P)-Dissolved	mg/L	1.0	<0.050	<0.050	<0.050	NA	<0.050	<0.050	1.0	<0.050	<0.050	<0.050	<0.050	1.0	<0.050	<0.050	<0.050	NA	<0.050	<0.050	1.0	<0.050	<0.050	<0.050	<0.050	1.0	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050			
Potassium (K)-Dissolved	mg/L	20	64	65	67	NA	82	82	20	75	82	99	107	20	51	52	57	NA	49	49	20	60.0															

ANNEXE C

Sediment Quality Analysis Data



GOLDER ASSOCIATES LTD.
ATTN: John Sherrin / Arman Ospan
3795 Carey Road, Second Floor
Victoria BC V8Z 6T8

Date Received: 17-AUG-18
Report Date: 28-AUG-18 16:13 (MT)
Version: FINAL

Client Phone: 250-881-7372

Certificate of Analysis

Lab Work Order #: L2148903
Project P.O. #: NOT SUBMITTED
Job Reference: 1663724/14000/3
C of C Numbers:
Legal Site Desc:

Amber Springer, B.Sc
Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ADDRESS: 8081 Lougheed Hwy, Suite 100, Burnaby, BC V5A 1W9 Canada | Phone: +1 604 253 4188 | Fax: +1 604 253 6700
ALS CANADA LTD Part of the ALS Group An ALS Limited Company

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L2148903-1 Sediment 11-AUG-18 13:35 SW-1-1	L2148903-2 Sediment 11-AUG-18 13:40 SW-1-2	L2148903-3 Sediment 11-AUG-18 13:45 SW-1-3	L2148903-4 Sediment 11-AUG-18 12:55 SW-2-1	L2148903-5 Sediment 11-AUG-18 13:00 SW-2-2
Grouping	Analyte					
SOIL						
Physical Tests	Moisture (%)	22.2			23.1	
	pH (1:2 soil:water) (pH)	8.20	8.41	8.30	8.21	8.22
Particle Size	% Gravel (>2mm) (%)	3.0	1.9	5.0	8.7	16.5
	% Sand (2.0mm - 0.063mm) (%)	60.8	95.4	74.9	62.6	49.9
	% Silt (0.063mm - 4um) (%)	28.6	2.0	15.8	23.4	26.8
	% Clay (<4um) (%)	7.6	<1.0	4.3	5.3	6.7
	Texture	Sandy loam	Sand	Loamy sand	Sandy loam	Sandy loam
Organic / Inorganic Carbon	Inorganic Carbon (%)	1.13	0.608	0.934	1.14	1.31
	Total Organic Carbon (%)	2.18	0.44	1.56	2.07	2.54
Metals	Aluminum (Al) (mg/kg)	4810	898	3770	4480	5110
	Antimony (Sb) (mg/kg)	<0.10	<0.10	<0.10	<0.10	<0.10
	Arsenic (As) (mg/kg)	3.93	0.47	3.51	4.54	3.85
	Barium (Ba) (mg/kg)	15.6	2.38	11.8	15.0	16.4
	Beryllium (Be) (mg/kg)	0.30	<0.10	0.24	0.28	0.29
	Bismuth (Bi) (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20
	Boron (B) (mg/kg)	32.7	7.4	23.9	30.2	34.5
	Cadmium (Cd) (mg/kg)	0.048	<0.020	0.022	0.034	0.084
	Calcium (Ca) (mg/kg)	63800	16800	45600	60500	70400
	Chromium (Cr) (mg/kg)	17.8	3.57	12.5	16.2	17.1
	Cobalt (Co) (mg/kg)	2.92	0.58	2.32	2.83	2.92
	Copper (Cu) (mg/kg)	5.63	0.96	4.25	4.71	5.60
	Iron (Fe) (mg/kg)	11900	2230	10700	12700	10900
	Lead (Pb) (mg/kg)	4.31	0.93	3.37	3.78	4.42
	Lithium (Li) (mg/kg)	22.5	4.4	16.5	20.7	22.1
	Magnesium (Mg) (mg/kg)	34700	9730	23100	30900	32900
	Manganese (Mn) (mg/kg)	113	24.2	100	118	117
	Mercury (Hg) (mg/kg)	0.0090	<0.0050	0.0061	0.0070	0.0097
	Molybdenum (Mo) (mg/kg)	0.37	0.12	0.30	0.38	0.33
	Nickel (Ni) (mg/kg)	9.31	1.90	6.85	8.54	9.29
	Phosphorus (P) (mg/kg)	394	109	361	402	463
	Potassium (K) (mg/kg)	2210	410	1660	2170	2320
	Selenium (Se) (mg/kg)	0.21	<0.20	<0.20	<0.20	0.22
	Silver (Ag) (mg/kg)	<0.10	<0.10	<0.10	<0.10	<0.10
Sodium (Na) (mg/kg)	4070	854	2700	3380	4410	
Strontium (Sr) (mg/kg)	41.8	9.54	29.9	45.6	76.9	
Sulfur (S) (mg/kg)	<1000	<1000	<1000	<1000	<1000	

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L2148903-6 Sediment 11-AUG-18 13:05 SW-2-3	L2148903-7 Sediment 11-AUG-18 12:35 SW-3-1	L2148903-8 Sediment 11-AUG-18 12:40 SW-3-2	L2148903-9 Sediment 11-AUG-18 12:45 SW-3-3	L2148903-10 Sediment 11-AUG-18 11:40 SW-4-1
Grouping	Analyte					
SOIL						
Physical Tests	Moisture (%)		26.9			21.4
	pH (1:2 soil:water) (pH)	8.22	7.99	8.08	8.25	8.12
Particle Size	% Gravel (>2mm) (%)	12.7	5.0	1.3	2.7	4.4
	% Sand (2.0mm - 0.063mm) (%)	53.3	46.9	51.4	55.6	55.7
	% Silt (0.063mm - 4um) (%)	28.3	40.5	39.9	35.0	35.3
	% Clay (<4um) (%)	5.6	7.6	7.4	6.7	4.5
	Texture	Sandy loam	Sandy loam	Sandy loam	Sandy loam	Sandy loam
Organic / Inorganic Carbon	Inorganic Carbon (%)	1.35	1.25	1.19	1.14	0.983
	Total Organic Carbon (%)	2.72	3.24	3.09	2.95	3.38
Metals	Aluminum (Al) (mg/kg)	5300	5840	5580	4320	4600
	Antimony (Sb) (mg/kg)	<0.10	<0.10	<0.10	<0.10	<0.10
	Arsenic (As) (mg/kg)	4.43	10.6	9.63	4.33	4.39
	Barium (Ba) (mg/kg)	18.0	20.2	18.7	14.7	14.9
	Beryllium (Be) (mg/kg)	0.32	0.37	0.34	0.27	0.40
	Bismuth (Bi) (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20
	Boron (B) (mg/kg)	35.0	44.5	38.6	29.8	41.6
	Cadmium (Cd) (mg/kg)	0.041	0.029	0.029	0.056	<0.020
	Calcium (Ca) (mg/kg)	66900	88500	75200	69700	110000
	Chromium (Cr) (mg/kg)	17.7	21.7	19.2	15.5	17.6
	Cobalt (Co) (mg/kg)	3.10	3.63	3.47	2.59	3.08
	Copper (Cu) (mg/kg)	5.76	7.22	6.35	4.97	6.10
	Iron (Fe) (mg/kg)	12800	16300	14900	10800	13900
	Lead (Pb) (mg/kg)	4.49	4.86	4.54	3.75	5.20
	Lithium (Li) (mg/kg)	23.6	29.0	25.6	20.2	33.0
	Magnesium (Mg) (mg/kg)	33800	48500	39900	32700	46300
	Manganese (Mn) (mg/kg)	125	158	148	110	149
	Mercury (Hg) (mg/kg)	0.0094	0.0085	0.0090	0.0071	0.0071
	Molybdenum (Mo) (mg/kg)	0.39	0.54	0.35	0.28	0.68
	Nickel (Ni) (mg/kg)	9.62	11.0	10.3	8.08	9.06
	Phosphorus (P) (mg/kg)	506	1020	1040	494	668
	Potassium (K) (mg/kg)	2320	2770	2430	1930	2080
	Selenium (Se) (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20
	Silver (Ag) (mg/kg)	<0.10	<0.10	<0.10	<0.10	<0.10
Sodium (Na) (mg/kg)	2850	5560	4420	2720	3520	
Strontium (Sr) (mg/kg)	46.8	66.1	57.7	47.6	65.4	
Sulfur (S) (mg/kg)	<1000	<1000	<1000	<1000	<1000	

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ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L2148903-11 Sediment 11-AUG-18 11:45 SW-4-2	L2148903-12 Sediment 11-AUG-18 11:50 SW-4-3	L2148903-13 Sediment 11-AUG-18 10:30 SW-5-1	L2148903-14 Sediment 11-AUG-18 10:35 SW-5-2	L2148903-15 Sediment 11-AUG-18 10:40 SW-5-3
Grouping	Analyte					
SOIL						
Physical Tests	Moisture (%)			20.9		
	pH (1:2 soil:water) (pH)	8.23	8.06	8.46	8.34	8.52
Particle Size	% Gravel (>2mm) (%)	2.5	3.3	2.3	4.8	7.3
	% Sand (2.0mm - 0.063mm) (%)	60.3	59.7	73.3	69.2	76.3
	% Silt (0.063mm - 4um) (%)	33.2	32.3	21.1	22.9	14.3
	% Clay (<4um) (%)	4.1	4.8	3.3	3.1	2.1
	Texture	Sandy loam	Sandy loam	Loamy sand	Loamy sand	Loamy sand
Organic / Inorganic Carbon	Inorganic Carbon (%)	1.12	1.08	1.17	1.17	1.03
	Total Organic Carbon (%)	3.10	3.32	2.95	2.93	2.17
Metals	Aluminum (Al) (mg/kg)	4500	4560	3290	3640	3480
	Antimony (Sb) (mg/kg)	<0.10	<0.10	<0.10	<0.10	<0.10
	Arsenic (As) (mg/kg)	4.37	4.93	1.78	1.97	2.66
	Barium (Ba) (mg/kg)	15.7	15.2	10.9	11.1	10.1
	Beryllium (Be) (mg/kg)	0.28	0.28	0.22	0.22	0.21
	Bismuth (Bi) (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20
	Boron (B) (mg/kg)	30.8	31.4	24.1	25.4	24.6
	Cadmium (Cd) (mg/kg)	<0.020	0.026	<0.020	0.021	<0.020
	Calcium (Ca) (mg/kg)	75000	74700	73200	71800	69100
	Chromium (Cr) (mg/kg)	16.9	16.4	12.7	12.9	13.1
	Cobalt (Co) (mg/kg)	2.97	3.13	2.53	2.52	2.41
	Copper (Cu) (mg/kg)	5.77	6.47	4.31	4.46	5.18
	Iron (Fe) (mg/kg)	13000	14000	9620	10100	10400
	Lead (Pb) (mg/kg)	3.77	3.70	2.77	2.89	2.71
	Lithium (Li) (mg/kg)	23.3	23.4	20.1	20.9	20.2
	Magnesium (Mg) (mg/kg)	39700	40300	37400	36500	35000
	Manganese (Mn) (mg/kg)	136	156	127	129	116
	Mercury (Hg) (mg/kg)	0.0084	0.0070	0.0050	0.0061	<0.0050
	Molybdenum (Mo) (mg/kg)	0.30	0.39	0.32	0.38	0.27
	Nickel (Ni) (mg/kg)	8.79	8.64	6.67	6.91	6.80
	Phosphorus (P) (mg/kg)	640	720	310	349	374
	Potassium (K) (mg/kg)	2020	2080	1570	1650	1610
	Selenium (Se) (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20
	Silver (Ag) (mg/kg)	<0.10	<0.10	<0.10	<0.10	<0.10
	Sodium (Na) (mg/kg)	4050	4820	2830	2480	2840
Strontium (Sr) (mg/kg)	44.2	46.9	38.9	37.6	36.1	
Sulfur (S) (mg/kg)	<1000	<1000	<1000	<1000	<1000	

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ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L2148903-16 Sediment 11-AUG-18 14:10 SE-1-1	L2148903-17 Sediment 11-AUG-18 14:15 SE-1-2	L2148903-18 Sediment 11-AUG-18 14:20 SE-1-3	L2148903-19 Sediment 11-AUG-18 14:45 SE-2-1	L2148903-20 Sediment 11-AUG-18 14:50 SE-2-2
Grouping	Analyte					
SOIL						
Physical Tests	Moisture (%)	18.0			23.3	
	pH (1:2 soil:water) (pH)	8.54	8.57	8.43	8.29	8.33
Particle Size	% Gravel (>2mm) (%)	2.4	6.3	4.0	17.5	10.2
	% Sand (2.0mm - 0.063mm) (%)	89.2	87.3	90.6	57.0	60.4
	% Silt (0.063mm - 4um) (%)	6.3	4.6	3.6	20.0	23.4
	% Clay (<4um) (%)	2.2	1.8	1.7	5.6	6.0
	Texture	Sand	Sand	Sand	Sandy loam	Sandy loam
Organic / Inorganic Carbon	Inorganic Carbon (%)	0.693	0.738	0.525	1.37	1.62
	Total Organic Carbon (%)	0.80	0.41	0.78	1.90	2.43
Metals	Aluminum (Al) (mg/kg)	1660	1460	1990	3780	4880
	Antimony (Sb) (mg/kg)	<0.10	<0.10	<0.10	<0.10	<0.10
	Arsenic (As) (mg/kg)	1.28	1.18	1.47	3.65	2.88
	Barium (Ba) (mg/kg)	5.37	4.23	5.76	11.7	14.0
	Beryllium (Be) (mg/kg)	0.13	<0.10	0.12	0.26	0.30
	Bismuth (Bi) (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20
	Boron (B) (mg/kg)	11.4	9.7	13.3	26.3	35.0
	Cadmium (Cd) (mg/kg)	<0.020	<0.020	<0.020	0.027	0.035
	Calcium (Ca) (mg/kg)	25300	20800	28400	57200	63600
	Chromium (Cr) (mg/kg)	6.33	5.27	7.34	12.7	16.3
	Cobalt (Co) (mg/kg)	1.29	1.01	1.47	2.36	2.72
	Copper (Cu) (mg/kg)	3.06	2.46	2.71	4.82	5.55
	Iron (Fe) (mg/kg)	9750	6290	10200	9710	10500
	Lead (Pb) (mg/kg)	1.63	1.31	1.78	3.81	4.39
	Lithium (Li) (mg/kg)	7.9	6.5	8.5	19.1	21.4
	Magnesium (Mg) (mg/kg)	13200	11400	13200	29300	35300
	Manganese (Mn) (mg/kg)	63.9	46.9	67.4	98.1	112
	Mercury (Hg) (mg/kg)	<0.0050	<0.0050	<0.0050	0.0079	0.0081
	Molybdenum (Mo) (mg/kg)	0.26	0.17	0.29	0.30	0.31
	Nickel (Ni) (mg/kg)	3.53	3.00	4.60	7.44	8.79
	Phosphorus (P) (mg/kg)	175	197	197	337	363
	Potassium (K) (mg/kg)	730	640	880	1700	2220
	Selenium (Se) (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20
	Silver (Ag) (mg/kg)	<0.10	<0.10	<0.10	<0.10	<0.10
Sodium (Na) (mg/kg)	1900	1320	2700	3840	4990	
Strontium (Sr) (mg/kg)	16.0	13.1	19.9	37.7	43.4	
Sulfur (S) (mg/kg)	<1000	<1000	<1000	<1000	<1000	

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ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L2148903-21 Sediment 11-AUG-18 14:55 SE-2-3	L2148903-22 Sediment 11-AUG-18 15:20 SE-3-1	L2148903-23 Sediment 11-AUG-18 15:25 SE-3-2	L2148903-24 Sediment 11-AUG-18 15:30 SE-3-3	L2148903-25 Sediment 11-AUG-18 16:00 SE-4-1
Grouping	Analyte					
SOIL						
Physical Tests	Moisture (%)		21.5			27.9
	pH (1:2 soil:water) (pH)	8.39	8.30	8.34	8.26	8.20
Particle Size	% Gravel (>2mm) (%)	23.6	6.8	21.7	24.2	3.7
	% Sand (2.0mm - 0.063mm) (%)	49.8	72.2	60.2	55.6	47.3
	% Silt (0.063mm - 4um) (%)	23.3	15.6	14.0	15.2	38.2
	% Clay (<4um) (%)	3.3	5.3	4.1	5.0	10.8
	Texture	Sandy loam	Loamy sand	Loamy sand	Sandy loam / Loamy sand	Loam
Organic / Inorganic Carbon	Inorganic Carbon (%)	1.32	1.14	1.85	1.17	1.45
	Total Organic Carbon (%)	1.24	1.68	1.91	1.56	2.53
Metals	Aluminum (Al) (mg/kg)	3870	3660	3410	2920	6290
	Antimony (Sb) (mg/kg)	<0.10	<0.10	<0.10	<0.10	0.12
	Arsenic (As) (mg/kg)	2.99	3.27	3.10	2.95	5.15
	Barium (Ba) (mg/kg)	12.6	10.6	10.7	10.7	16.5
	Beryllium (Be) (mg/kg)	0.24	0.24	0.24	0.21	0.41
	Bismuth (Bi) (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20
	Boron (B) (mg/kg)	27.4	25.0	24.4	21.6	42.1
	Cadmium (Cd) (mg/kg)	0.026	0.025	0.023	0.031	0.045
	Calcium (Ca) (mg/kg)	52400	46400	44200	41300	72100
	Chromium (Cr) (mg/kg)	13.1	12.0	12.6	10.6	20.5
	Cobalt (Co) (mg/kg)	2.23	2.11	2.17	1.91	3.36
	Copper (Cu) (mg/kg)	4.45	3.95	4.06	3.68	7.19
	Iron (Fe) (mg/kg)	9660	8620	8870	7790	11900
	Lead (Pb) (mg/kg)	3.46	3.59	3.34	3.20	6.36
	Lithium (Li) (mg/kg)	17.3	16.9	15.3	13.9	28.5
	Magnesium (Mg) (mg/kg)	28000	24900	23300	22400	39600
	Manganese (Mn) (mg/kg)	93.3	83.5	85.7	79.8	126
	Mercury (Hg) (mg/kg)	0.0071	0.0073	0.0068	0.0076	0.0118
	Molybdenum (Mo) (mg/kg)	0.29	0.27	0.33	0.28	0.42
	Nickel (Ni) (mg/kg)	7.23	6.54	6.81	6.33	10.9
	Phosphorus (P) (mg/kg)	330	303	349	323	554
	Potassium (K) (mg/kg)	1600	1620	1410	1230	2740
	Selenium (Se) (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20
	Silver (Ag) (mg/kg)	<0.10	<0.10	<0.10	<0.10	<0.10
Sodium (Na) (mg/kg)	2430	3230	3490	3430	5070	
Strontium (Sr) (mg/kg)	40.0	31.9	32.7	34.2	56.2	
Sulfur (S) (mg/kg)	<1000	<1000	<1000	<1000	<1000	

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ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L2148903-26 Sediment 11-AUG-18 16:05 SE-4-2	L2148903-27 Sediment 11-AUG-18 16:10 SE-4-3	L2148903-28 Sediment 11-AUG-18 16:25 SE-5-1	L2148903-29 Sediment 11-AUG-18 16:30 SE-5-2	L2148903-30 Sediment 11-AUG-18 16:35 SE-5-3
Grouping	Analyte					
SOIL						
Physical Tests	Moisture (%)			24.4		
	pH (1:2 soil:water) (pH)	8.25	8.15	8.30	8.23	8.24
Particle Size	% Gravel (>2mm) (%)	10.2	5.6	2.6	4.1	6.0
	% Sand (2.0mm - 0.063mm) (%)	62.6	51.1	55.0	67.8	51.2
	% Silt (0.063mm - 4um) (%)	21.2	33.4	31.5	20.5	30.7
	% Clay (<4um) (%)	6.0	10.0	11.0	7.6	12.1
	Texture	Sandy loam	Sandy loam	Sandy loam	Sandy loam	Sandy loam
Organic / Inorganic Carbon	Inorganic Carbon (%)	1.35	1.35	1.33	1.12	1.51
	Total Organic Carbon (%)	1.45	2.46	1.82	1.46	1.89
Metals	Aluminum (Al) (mg/kg)	4410	5390	5610	4260	7440
	Antimony (Sb) (mg/kg)	<0.10	<0.10	0.10	<0.10	0.12
	Arsenic (As) (mg/kg)	3.21	6.14	2.34	5.33	6.70
	Barium (Ba) (mg/kg)	12.3	15.1	12.7	13.5	18.3
	Beryllium (Be) (mg/kg)	0.28	0.35	0.36	0.27	0.51
	Bismuth (Bi) (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20
	Boron (B) (mg/kg)	29.6	39.1	36.4	31.2	54.1
	Cadmium (Cd) (mg/kg)	0.067	0.029	0.057	0.032	0.046
	Calcium (Ca) (mg/kg)	52500	66300	58700	41900	65300
	Chromium (Cr) (mg/kg)	14.5	17.4	18.1	13.5	22.4
	Cobalt (Co) (mg/kg)	2.42	2.97	2.98	2.37	3.73
	Copper (Cu) (mg/kg)	4.84	6.14	6.07	4.51	7.56
	Iron (Fe) (mg/kg)	8650	11100	9110	8690	12300
	Lead (Pb) (mg/kg)	4.44	5.13	5.50	4.07	8.85
	Lithium (Li) (mg/kg)	19.2	23.6	25.0	18.7	35.2
	Magnesium (Mg) (mg/kg)	27500	33600	32900	22300	33900
	Manganese (Mn) (mg/kg)	94.8	120	107	90.2	144
	Mercury (Hg) (mg/kg)	0.0093	0.0109	0.0079	0.0077	0.0128
	Molybdenum (Mo) (mg/kg)	0.26	0.32	0.36	0.27	0.44
	Nickel (Ni) (mg/kg)	7.81	9.48	9.50	7.46	12.2
	Phosphorus (P) (mg/kg)	397	582	352	444	546
	Potassium (K) (mg/kg)	1720	2270	2390	1860	3060
	Selenium (Se) (mg/kg)	<0.20	<0.20	<0.20	<0.20	0.21
	Silver (Ag) (mg/kg)	<0.10	<0.10	<0.10	<0.10	<0.10
Sodium (Na) (mg/kg)	3510	4600	4150	4400	5000	
Strontium (Sr) (mg/kg)	53.9	84.9	37.6	50.1	52.5	
Sulfur (S) (mg/kg)	<1000	<1000	<1000	<1000	<1000	

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	Sample ID Description Sampled Date Sampled Time Client ID	L2148903-31 Sediment 11-AUG-18 17:00 SC-2-1	L2148903-32 Sediment 11-AUG-18 17:05 SC-2-2	L2148903-33 Sediment 11-AUG-18 17:10 SC-2-3	L2148903-34 Sediment 12-AUG-18 12:15 SC-3-1	L2148903-35 Sediment 12-AUG-18 12:20 SC-3-2
Grouping	Analyte					
SOIL						
Physical Tests	Moisture (%)	37.7			46.8	
	pH (1:2 soil:water) (pH)	8.13	8.17	8.20	7.98	7.95
Particle Size	% Gravel (>2mm) (%)	1.5	4.9	6.0	3.9	2.7
	% Sand (2.0mm - 0.063mm) (%)	30.4	31.4	30.5	18.8	18.9
	% Silt (0.063mm - 4um) (%)	50.5	47.2	48.0	56.3	59.3
	% Clay (<4um) (%)	17.6	16.6	15.6	21.0	19.1
	Texture	Silt loam	Silt loam	Silt loam	Silt loam	Silt loam
Organic / Inorganic Carbon	Inorganic Carbon (%)	1.70	1.85	1.85	1.95	1.87
	Total Organic Carbon (%)	3.12	3.06	3.01	3.5	3.6
Metals	Aluminum (Al) (mg/kg)	8920	8860	8660	9250	10400
	Antimony (Sb) (mg/kg)	0.18	0.16	0.17	0.22	0.22
	Arsenic (As) (mg/kg)	4.31	4.67	5.52	4.89	4.57
	Barium (Ba) (mg/kg)	22.6	22.6	22.9	24.4	26.2
	Beryllium (Be) (mg/kg)	0.55	0.57	0.55	0.61	0.61
	Bismuth (Bi) (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20
	Boron (B) (mg/kg)	59.7	59.1	59.6	64.7	69.6
	Cadmium (Cd) (mg/kg)	0.066	0.066	0.068	0.094	0.098
	Calcium (Ca) (mg/kg)	86300	85700	85800	87900	80700
	Chromium (Cr) (mg/kg)	26.2	26.8	26.4	29.6	30.5
	Cobalt (Co) (mg/kg)	4.18	4.12	4.13	4.47	4.69
	Copper (Cu) (mg/kg)	9.20	8.81	8.79	10.4	10.2
	Iron (Fe) (mg/kg)	13500	13900	14200	14900	14900
	Lead (Pb) (mg/kg)	8.40	8.36	8.74	9.52	9.78
	Lithium (Li) (mg/kg)	39.7	39.7	39.9	44.1	43.4
	Magnesium (Mg) (mg/kg)	51200	50500	48700	52900	50300
	Manganese (Mn) (mg/kg)	151	153	151	156	164
	Mercury (Hg) (mg/kg)	0.0155	0.0150	0.0158	0.0182	0.0205
	Molybdenum (Mo) (mg/kg)	0.75	0.58	0.56	1.01	0.97
	Nickel (Ni) (mg/kg)	14.4	14.2	14.2	16.0	16.5
	Phosphorus (P) (mg/kg)	553	612	621	609	647
	Potassium (K) (mg/kg)	3860	3810	3740	4030	4370
	Selenium (Se) (mg/kg)	0.35	0.35	0.30	0.45	0.41
	Silver (Ag) (mg/kg)	<0.10	<0.10	<0.10	<0.10	<0.10
Sodium (Na) (mg/kg)	7470	7080	6000	10300	9260	
Strontium (Sr) (mg/kg)	70.5	60.8	64.9	67.9	57.7	
Sulfur (S) (mg/kg)	1200	1000	1300	1500	1600	

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L2148903-36 Sediment 12-AUG-18 12:25 SC-3-3	L2148903-37 Sediment 12-AUG-18 12:45 SC-4-1	L2148903-38 Sediment 12-AUG-18 12:50 SC-4-2	L2148903-39 Sediment 12-AUG-18 12:55 SC-4-3	L2148903-40 Sediment 12-AUG-18 13:30 SC-5-1
Grouping	Analyte					
SOIL						
Physical Tests	Moisture (%)				56.4	36.0
	pH (1:2 soil:water) (pH)	8.07	8.14	7.99	8.09	8.18
Particle Size	% Gravel (>2mm) (%)	1.7	7.0	13.0	9.7	3.4
	% Sand (2.0mm - 0.063mm) (%)	22.8	32.3	27.4	30.6	44.3
	% Silt (0.063mm - 4um) (%)	56.7	40.5	41.0	43.3	39.4
	% Clay (<4um) (%)	18.8	20.1	18.5	16.4	13.0
	Texture	Silt loam	Loam	Silt loam	Silt loam	Loam
Organic / Inorganic Carbon	Inorganic Carbon (%)	1.82	1.99	1.93	2.00	1.39
	Total Organic Carbon (%)	3.5	2.78	3.2	3.3	2.18
Metals	Aluminum (Al) (mg/kg)	10800	10600	9460	9260	7170
	Antimony (Sb) (mg/kg)	0.22	0.17	0.17	0.15	0.13
	Arsenic (As) (mg/kg)	4.33	4.96	6.41	6.39	3.12
	Barium (Ba) (mg/kg)	28.7	34.9	29.5	31.4	20.3
	Beryllium (Be) (mg/kg)	0.59	0.62	0.56	0.51	0.46
	Bismuth (Bi) (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20
	Boron (B) (mg/kg)	68.6	63.5	65.6	59.3	42.2
	Cadmium (Cd) (mg/kg)	0.106	0.104	0.223	0.128	0.083
	Calcium (Ca) (mg/kg)	83000	80500	74300	86500	57600
	Chromium (Cr) (mg/kg)	30.8	31.1	28.9	28.3	24.6
	Cobalt (Co) (mg/kg)	4.67	5.07	4.85	4.56	3.87
	Copper (Cu) (mg/kg)	10.3	10.6	10.8	10.4	7.72
	Iron (Fe) (mg/kg)	14800	15400	14900	14200	12400
	Lead (Pb) (mg/kg)	9.62	9.29	8.80	8.53	7.07
	Lithium (Li) (mg/kg)	43.2	41.5	38.5	36.1	28.5
	Magnesium (Mg) (mg/kg)	51000	39100	34700	33300	30900
	Manganese (Mn) (mg/kg)	166	160	151	139	129
	Mercury (Hg) (mg/kg)	0.0201	0.0227	0.0267	0.0247	0.0168
	Molybdenum (Mo) (mg/kg)	1.14	0.83	1.90	1.08	0.63
	Nickel (Ni) (mg/kg)	16.4	17.2	16.1	15.5	15.2
	Phosphorus (P) (mg/kg)	608	525	747	601	517
	Potassium (K) (mg/kg)	4440	4330	4220	3970	2740
	Selenium (Se) (mg/kg)	0.42	0.46	0.67	0.63	0.35
	Silver (Ag) (mg/kg)	<0.10	<0.10	<0.10	<0.10	<0.10
	Sodium (Na) (mg/kg)	7200	8560	13800	11700	5900
Strontium (Sr) (mg/kg)	55.8	74.0	133	170	74.7	
Sulfur (S) (mg/kg)	1200	1400	3200	2500	<1000	

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L2148903-41 Sediment 12-AUG-18 13:35 SC-5-2	L2148903-42 Sediment 12-AUG-18 13:40 SC-5-3	L2148903-43 Sediment 12-AUG-18 15:35 BE-2-1	L2148903-44 Sediment 12-AUG-18 15:40 BE-2-2	L2148903-45 Sediment 12-AUG-18 15:45 BE-2-3
Grouping	Analyte					
SOIL						
Physical Tests	Moisture (%)			22.4		
	pH (1:2 soil:water) (pH)	8.16	8.16	8.35	8.42	8.18
Particle Size	% Gravel (>2mm) (%)	2.3	7.7	5.5	6.5	37.2
	% Sand (2.0mm - 0.063mm) (%)	41.6	43.1	43.2	69.7	34.0
	% Silt (0.063mm - 4um) (%)	43.5	38.4	39.4	18.4	22.0
	% Clay (<4um) (%)	12.6	10.9	11.9	5.5	6.8
	Texture	Loam	Loam / Sandy loam	Loam	Loamy sand	Sandy loam
Organic / Inorganic Carbon	Inorganic Carbon (%)	1.30	1.52	1.62	1.16	1.65
	Total Organic Carbon (%)	5.58	2.23	2.77	1.50	2.46
Metals	Aluminum (Al) (mg/kg)	7730	7600	3900	5360	4880
	Antimony (Sb) (mg/kg)	0.13	0.12	<0.10	<0.10	<0.10
	Arsenic (As) (mg/kg)	4.26	2.84	2.84	3.26	4.49
	Barium (Ba) (mg/kg)	18.5	18.9	12.1	15.9	14.7
	Beryllium (Be) (mg/kg)	0.45	0.47	0.24	0.37	0.32
	Bismuth (Bi) (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20
	Boron (B) (mg/kg)	46.7	44.4	27.5	38.1	35.0
	Cadmium (Cd) (mg/kg)	0.062	0.066	0.035	0.034	0.073
	Calcium (Ca) (mg/kg)	49400	58600	52600	79900	66300
	Chromium (Cr) (mg/kg)	25.5	25.7	12.1	18.9	16.5
	Cobalt (Co) (mg/kg)	3.82	3.93	2.08	3.27	2.86
	Copper (Cu) (mg/kg)	7.72	7.62	4.15	6.91	6.70
	Iron (Fe) (mg/kg)	12000	11600	7840	10500	10100
	Lead (Pb) (mg/kg)	6.61	6.75	3.87	5.50	5.01
	Lithium (Li) (mg/kg)	28.3	30.4	17.3	28.8	24.1
	Magnesium (Mg) (mg/kg)	31500	34300	26100	43300	35000
	Manganese (Mn) (mg/kg)	126	127	87.7	130	124
	Mercury (Hg) (mg/kg)	0.0156	0.0156	0.0083	0.0085	0.0118
	Molybdenum (Mo) (mg/kg)	0.67	0.72	0.31	0.34	0.30
	Nickel (Ni) (mg/kg)	15.8	15.9	6.54	10.4	9.14
	Phosphorus (P) (mg/kg)	637	513	353	378	507
	Potassium (K) (mg/kg)	2890	2850	1680	2310	2020
	Selenium (Se) (mg/kg)	0.34	0.34	<0.20	<0.20	0.20
	Silver (Ag) (mg/kg)	<0.10	<0.10	<0.10	<0.10	<0.10
Sodium (Na) (mg/kg)	6230	6320	3460	3590	4040	
Strontium (Sr) (mg/kg)	57.2	55.2	53.6	46.5	65.6	
Sulfur (S) (mg/kg)	<1000	<1000	<1000	<1000	<1000	

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L2148903-46 Sediment 12-AUG-18 16:00 BE-5-1	L2148903-47 Sediment 12-AUG-18 16:05 BE-5-2	L2148903-48 Sediment 12-AUG-18 16:10 BE-5-3	L2148903-49 Sediment 12-AUG-18 14:05 SN-1-1	L2148903-50 Sediment 12-AUG-18 14:10 SN-1-2
Grouping	Analyte					
SOIL						
Physical Tests	Moisture (%)	41.7			26.7	
	pH (1:2 soil:water) (pH)	8.13	8.24	8.13	8.33	8.40
Particle Size	% Gravel (>2mm) (%)	5.9	8.0	7.0	7.8	7.0
	% Sand (2.0mm - 0.063mm) (%)	23.7	39.1	31.7	55.3	41.4
	% Silt (0.063mm - 4um) (%)	51.4	41.3	46.2	29.7	39.8
	% Clay (<4um) (%)	19.1	11.6	15.1	7.2	11.8
	Texture	Silt loam	Loam	Silt loam	Sandy loam	Loam
Organic / Inorganic Carbon	Inorganic Carbon (%)	1.88	1.55	1.67	1.38	1.63
	Total Organic Carbon (%)	3.2	2.78	3.24	2.10	3.04
Metals	Aluminum (Al) (mg/kg)	9200	5590	8830	5330	6280
	Antimony (Sb) (mg/kg)	0.18	<0.10	0.15	<0.10	0.10
	Arsenic (As) (mg/kg)	4.14	2.43	3.88	4.84	2.71
	Barium (Ba) (mg/kg)	29.9	15.4	24.3	15.6	15.4
	Beryllium (Be) (mg/kg)	0.55	0.40	0.54	0.33	0.36
	Bismuth (Bi) (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20
	Boron (B) (mg/kg)	58.8	39.5	58.7	35.9	41.3
	Cadmium (Cd) (mg/kg)	0.092	0.054	0.082	0.042	0.084
	Calcium (Ca) (mg/kg)	79000	71800	76900	67700	78800
	Chromium (Cr) (mg/kg)	27.8	18.3	26.0	17.5	19.3
	Cobalt (Co) (mg/kg)	4.34	3.02	4.14	3.10	3.27
	Copper (Cu) (mg/kg)	10.1	6.24	9.18	6.37	6.77
	Iron (Fe) (mg/kg)	13500	9500	12600	14100	10200
	Lead (Pb) (mg/kg)	9.01	5.61	8.16	4.72	5.65
	Lithium (Li) (mg/kg)	38.7	26.7	37.6	23.4	26.2
	Magnesium (Mg) (mg/kg)	44400	40700	43500	36400	39500
	Manganese (Mn) (mg/kg)	154	125	147	142	116
	Mercury (Hg) (mg/kg)	0.0206	0.0110	0.0166	0.0110	0.0110
	Molybdenum (Mo) (mg/kg)	0.76	0.31	0.64	0.39	0.57
	Nickel (Ni) (mg/kg)	15.2	10.2	14.8	9.37	10.4
	Phosphorus (P) (mg/kg)	547	415	568	445	331
	Potassium (K) (mg/kg)	3700	2290	3630	2290	2520
	Selenium (Se) (mg/kg)	0.40	<0.20	0.37	<0.20	<0.20
	Silver (Ag) (mg/kg)	<0.10	<0.10	<0.10	<0.10	<0.10
Sodium (Na) (mg/kg)	7700	3660	6060	3670	4470	
Strontium (Sr) (mg/kg)	65.7	46.6	67.9	43.3	50.3	
Sulfur (S) (mg/kg)	1400	<1000	<1000	<1000	1200	

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

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	Sample ID Description Sampled Date Sampled Time Client ID	L2148903-51 Sediment 12-AUG-18 14:15 SN-1-3	L2148903-52 Sediment 12-AUG-18 14:25 SN-2-1	L2148903-53 Sediment 12-AUG-18 14:30 SN-2-2	L2148903-54 Sediment 12-AUG-18 14:35 SN-2-3	L2148903-55 Sediment 13-AUG-18 11:00 SN-3-1
Grouping	Analyte					
SOIL						
Physical Tests	Moisture (%)		26.1			29.1
	pH (1:2 soil:water) (pH)	8.39	8.29	8.35	8.37	8.27
Particle Size	% Gravel (>2mm) (%)	27.8	4.4	7.8	5.9	13.7
	% Sand (2.0mm - 0.063mm) (%)	39.0	41.7	43.4	45.1	29.5
	% Silt (0.063mm - 4um) (%)	26.3	40.7	36.6	37.2	40.0
	% Clay (<4um) (%)	6.9	13.2	12.2	11.8	16.9
	Texture	Sandy loam	Loam	Loam	Loam	Silt loam
Organic / Inorganic Carbon	Inorganic Carbon (%)	1.50	1.63	1.69	1.63	1.94
	Total Organic Carbon (%)	2.63	2.66	2.73	2.83	3.1
Metals	Aluminum (Al) (mg/kg)	5420	7720	6210	5670	9160
	Antimony (Sb) (mg/kg)	<0.10	0.12	0.11	<0.10	0.15
	Arsenic (As) (mg/kg)	3.81	6.60	4.32	4.07	4.77
	Barium (Ba) (mg/kg)	15.0	20.5	17.7	15.2	23.0
	Beryllium (Be) (mg/kg)	0.35	0.45	0.38	0.36	0.51
	Bismuth (Bi) (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20
	Boron (B) (mg/kg)	39.1	50.8	43.0	40.1	54.7
	Cadmium (Cd) (mg/kg)	0.046	0.067	0.068	0.047	0.118
	Calcium (Ca) (mg/kg)	73500	87200	81600	77500	96000
	Chromium (Cr) (mg/kg)	17.5	22.9	19.0	17.5	25.7
	Cobalt (Co) (mg/kg)	3.01	4.02	3.37	3.25	4.49
	Copper (Cu) (mg/kg)	7.14	8.52	7.29	6.84	10.3
	Iron (Fe) (mg/kg)	12900	14000	11100	10800	14500
	Lead (Pb) (mg/kg)	4.97	6.63	5.94	5.63	7.67
	Lithium (Li) (mg/kg)	25.1	33.5	28.7	26.7	37.9
	Magnesium (Mg) (mg/kg)	37700	46100	39500	38800	44600
	Manganese (Mn) (mg/kg)	134	170	132	130	160
	Mercury (Hg) (mg/kg)	0.0101	0.0146	0.0115	0.0112	0.0159
	Molybdenum (Mo) (mg/kg)	0.34	0.37	0.32	0.30	0.41
	Nickel (Ni) (mg/kg)	9.30	12.4	10.3	9.65	14.2
	Phosphorus (P) (mg/kg)	390	524	389	408	444
	Potassium (K) (mg/kg)	2260	3220	2500	2370	3700
	Selenium (Se) (mg/kg)	<0.20	<0.20	<0.20	<0.20	0.22
	Silver (Ag) (mg/kg)	<0.10	<0.10	<0.10	<0.10	<0.10
Sodium (Na) (mg/kg)	3440	4420	4100	3460	5060	
Strontium (Sr) (mg/kg)	46.5	55.4	53.1	49.5	63.6	
Sulfur (S) (mg/kg)	<1000	<1000	<1000	<1000	<1000	

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

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	Sample ID Description Sampled Date Sampled Time Client ID	L2148903-56 Sediment 13-AUG-18 11:05 SN-3-2	L2148903-57 Sediment 13-AUG-18 11:10 SN-3-3	L2148903-58 Sediment 13-AUG-18 11:45 SN-4-1	L2148903-59 Sediment 13-AUG-18 11:50 SN-4-2	L2148903-60 Sediment 13-AUG-18 11:55 SN-4-3
Grouping	Analyte					
SOIL						
Physical Tests	Moisture (%)			29.1		
	pH (1:2 soil:water) (pH)	8.37	8.26	8.30	8.37	8.38
Particle Size	% Gravel (>2mm) (%)	5.5	6.6	17.0	4.5	4.8
	% Sand (2.0mm - 0.063mm) (%)	47.0	40.8	30.7	32.0	39.3
	% Silt (0.063mm - 4um) (%)	33.8	38.6	35.5	44.0	37.5
	% Clay (<4um) (%)	13.6	14.0	16.8	19.5	18.3
	Texture	Loam	Loam	Loam	Silt loam / Loam	Loam
Organic / Inorganic Carbon	Inorganic Carbon (%)	1.63	1.81	1.96	2.01	1.97
	Total Organic Carbon (%)	2.27	2.74	2.77	2.94	2.56
Metals	Aluminum (Al) (mg/kg)	8480	7190	8860	8690	7850
	Antimony (Sb) (mg/kg)	0.14	0.11	0.17	0.15	0.15
	Arsenic (As) (mg/kg)	4.38	8.94	7.66	7.26	3.87
	Barium (Ba) (mg/kg)	18.8	17.0	23.5	21.1	18.3
	Beryllium (Be) (mg/kg)	0.47	0.41	0.50	0.46	0.43
	Bismuth (Bi) (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20
	Boron (B) (mg/kg)	51.8	46.9	57.3	53.3	49.9
	Cadmium (Cd) (mg/kg)	0.097	0.047	0.080	0.092	0.120
	Calcium (Ca) (mg/kg)	80300	74400	84400	82500	78700
	Chromium (Cr) (mg/kg)	23.3	20.3	24.7	22.9	21.6
	Cobalt (Co) (mg/kg)	3.74	3.48	4.40	3.97	3.61
	Copper (Cu) (mg/kg)	9.17	7.89	9.82	9.43	9.09
	Iron (Fe) (mg/kg)	12900	13400	15300	14700	12200
	Lead (Pb) (mg/kg)	6.94	6.25	7.85	7.46	6.88
	Lithium (Li) (mg/kg)	35.8	30.7	37.2	36.6	33.9
	Magnesium (Mg) (mg/kg)	41100	38300	42400	40200	38100
	Manganese (Mn) (mg/kg)	138	146	169	174	131
	Mercury (Hg) (mg/kg)	0.0161	0.0152	0.0178	0.0165	0.0153
	Molybdenum (Mo) (mg/kg)	0.35	0.33	0.40	0.37	0.39
	Nickel (Ni) (mg/kg)	12.7	11.4	13.8	12.9	12.3
	Phosphorus (P) (mg/kg)	404	530	560	532	361
	Potassium (K) (mg/kg)	3450	3050	3610	3640	3270
	Selenium (Se) (mg/kg)	0.21	0.22	0.24	0.26	0.21
Silver (Ag) (mg/kg)	<0.10	<0.10	<0.10	<0.10	<0.10	
Sodium (Na) (mg/kg)	4690	4760	4750	4570	4740	
Strontium (Sr) (mg/kg)	55.5	56.8	59.0	62.0	57.8	
Sulfur (S) (mg/kg)	<1000	<1000	<1000	<1000	<1000	

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L2148903-61 Sediment 13-AUG-18 12:30 SN-5-1	L2148903-62 Sediment 13-AUG-18 12:35 SN-5-2	L2148903-63 Sediment 13-AUG-18 12:40 SN-5-3	L2148903-64 Sediment 13-AUG-18 DUP-A	L2148903-65 Sediment 13-AUG-18 DUP-B
Grouping	Analyte					
SOIL						
Physical Tests	Moisture (%)	30.4				
	pH (1:2 soil:water) (pH)	8.30	8.32	8.35	8.27	8.28
Particle Size	% Gravel (>2mm) (%)	7.1	2.8	6.0	1.7	3.3
	% Sand (2.0mm - 0.063mm) (%)	32.3	40.7	25.9	82.7	67.4
	% Silt (0.063mm - 4um) (%)	39.4	35.8	45.3	13.3	25.5
	% Clay (<4um) (%)	21.1	20.8	22.8	2.3	3.8
	Texture	Loam	Loam	Silt loam	Sand	Loamy sand
Organic / Inorganic Carbon	Inorganic Carbon (%)	2.27	2.06	2.17	1.20	1.10
	Total Organic Carbon (%)	2.9	2.81	3.1	2.07	2.61
Metals	Aluminum (Al) (mg/kg)	8770	8760	9960	3320	4720
	Antimony (Sb) (mg/kg)	0.17	0.14	0.17	<0.10	<0.10
	Arsenic (As) (mg/kg)	6.68	6.69	3.90	1.80	4.01
	Barium (Ba) (mg/kg)	25.4	21.3	24.3	8.73	12.9
	Beryllium (Be) (mg/kg)	0.51	0.47	0.56	0.22	0.27
	Bismuth (Bi) (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20
	Boron (B) (mg/kg)	55.4	55.2	62.4	25.6	31.6
	Cadmium (Cd) (mg/kg)	0.114	0.129	0.123	0.021	<0.020
	Calcium (Ca) (mg/kg)	93300	90100	89800	59800	74600
	Chromium (Cr) (mg/kg)	24.9	23.7	26.7	11.7	16.6
	Cobalt (Co) (mg/kg)	4.62	4.10	4.44	2.29	2.73
	Copper (Cu) (mg/kg)	10.3	9.79	11.3	4.77	6.05
	Iron (Fe) (mg/kg)	14900	14300	14800	10200	13000
	Lead (Pb) (mg/kg)	8.06	7.43	8.56	2.82	3.61
	Lithium (Li) (mg/kg)	37.6	35.5	42.8	18.1	22.6
	Magnesium (Mg) (mg/kg)	42800	40500	43500	28200	41100
	Manganese (Mn) (mg/kg)	174	175	163	117	140
	Mercury (Hg) (mg/kg)	0.0178	0.0179	0.0199	0.0067	0.0082
	Molybdenum (Mo) (mg/kg)	0.40	0.41	0.39	0.35	0.33
	Nickel (Ni) (mg/kg)	14.1	13.5	15.3	6.58	8.56
	Phosphorus (P) (mg/kg)	482	454	399	287	530
	Potassium (K) (mg/kg)	3650	3590	4110	1650	2150
	Selenium (Se) (mg/kg)	0.24	0.22	0.27	<0.20	<0.20
Silver (Ag) (mg/kg)	<0.10	<0.10	<0.10	<0.10	<0.10	
Sodium (Na) (mg/kg)	5440	5190	5630	3230	3650	
Strontium (Sr) (mg/kg)	75.8	67.1	67.2	37.8	48.8	
Sulfur (S) (mg/kg)	<1000	<1000	<1000	<1000	<1000	

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID		L2148903-66 Sediment 13-AUG-18 DUP-C	L2148903-67 Sediment 13-AUG-18 DUP-D	L2148903-68 Sediment 13-AUG-18 DUP-E	L2148903-69 Sediment 13-AUG-18 DUP-F
Grouping	Analyte				
SOIL					
Physical Tests	Moisture (%)				
	pH (1:2 soil:water) (pH)	8.08	8.21	8.36	8.44
Particle Size	% Gravel (>2mm) (%)	<1.0	11.2	4.9	3.2
	% Sand (2.0mm - 0.063mm) (%)	21.6	33.6	39.8	45.3
	% Silt (0.063mm - 4um) (%)	57.2	37.7	43.6	38.9
	% Clay (<4um) (%)	20.8	17.6	11.7	12.6
	Texture	Silt loam	Loam	Loam	Loam
Organic / Inorganic Carbon	Inorganic Carbon (%)	2.02	2.12	1.84	1.77
	Total Organic Carbon (%)	3.7	2.9	3.90	3.65
Metals	Aluminum (Al) (mg/kg)	10400	10800	7070	6140
	Antimony (Sb) (mg/kg)	0.21	0.15	0.12	<0.10
	Arsenic (As) (mg/kg)	4.57	4.47	6.00	2.81
	Barium (Ba) (mg/kg)	22.4	31.4	17.2	14.7
	Beryllium (Be) (mg/kg)	0.54	0.54	0.39	0.35
	Bismuth (Bi) (mg/kg)	<0.20	<0.20	<0.20	<0.20
	Boron (B) (mg/kg)	61.5	56.4	41.6	36.2
	Cadmium (Cd) (mg/kg)	0.090	0.098	0.066	0.039
	Calcium (Ca) (mg/kg)	74000	79100	81200	76300
	Chromium (Cr) (mg/kg)	29.5	29.7	21.3	18.5
	Cobalt (Co) (mg/kg)	4.55	5.10	3.87	3.18
	Copper (Cu) (mg/kg)	10.3	10.4	8.14	6.71
	Iron (Fe) (mg/kg)	14200	14500	12600	9980
	Lead (Pb) (mg/kg)	9.47	9.43	6.23	5.62
	Lithium (Li) (mg/kg)	39.5	38.5	29.1	25.8
	Magnesium (Mg) (mg/kg)	49700	40200	44200	41900
	Manganese (Mn) (mg/kg)	164	152	168	122
	Mercury (Hg) (mg/kg)	0.0206	0.0227	0.0156	0.0105
	Molybdenum (Mo) (mg/kg)	1.05	0.76	0.34	0.28
	Nickel (Ni) (mg/kg)	16.1	16.5	11.9	9.90
	Phosphorus (P) (mg/kg)	577	530	481	371
	Potassium (K) (mg/kg)	4230	4110	2770	2570
	Selenium (Se) (mg/kg)	0.43	0.53	<0.20	<0.20
	Silver (Ag) (mg/kg)	<0.10	<0.10	<0.10	<0.10
Sodium (Na) (mg/kg)	8330	8690	3890	3090	
Strontium (Sr) (mg/kg)	57.1	77.3	59.2	55.2	
Sulfur (S) (mg/kg)	1700	1500	<1000	<1000	

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L2148903-1	L2148903-2	L2148903-3	L2148903-4	L2148903-5
		Description	Sediment	Sediment	Sediment	Sediment	Sediment
		Sampled Date	11-AUG-18	11-AUG-18	11-AUG-18	11-AUG-18	11-AUG-18
		Sampled Time	13:35	13:40	13:45	12:55	13:00
		Client ID	SW-1-1	SW-1-2	SW-1-3	SW-2-1	SW-2-2
Grouping	Analyte						
SOIL							
Metals	Thallium (Tl) (mg/kg)	0.096	<0.050	0.076	0.093	0.094	
	Tin (Sn) (mg/kg)	<2.0	<2.0	<2.0	<2.0	<2.0	
	Titanium (Ti) (mg/kg)	256	55.4	209	288	256	
	Tungsten (W) (mg/kg)	<0.50	<0.50	<0.50	<0.50	<0.50	
	Uranium (U) (mg/kg)	0.687	0.162	0.620	0.617	0.694	
	Vanadium (V) (mg/kg)	19.3	3.44	14.2	17.1	19.3	
	Zinc (Zn) (mg/kg)	14.3	2.8	12.1	13.5	14.3	
	Zirconium (Zr) (mg/kg)	4.9	1.0	3.6	4.4	4.1	
Volatile Organic Compounds	VOC Sample Container	Field MeOH				Field MeOH	
	Benzene (mg/kg)	<0.0050			<0.0050		
	Bromodichloromethane (mg/kg)	<0.050			<0.050		
	Bromoform (mg/kg)	<0.050			<0.050		
	Carbon Tetrachloride (mg/kg)	<0.050			<0.050		
	Chlorobenzene (mg/kg)	<0.050			<0.050		
	Dibromochloromethane (mg/kg)	<0.050			<0.050		
	Chloroethane (mg/kg)	<0.10			<0.10		
	Chloroform (mg/kg)	<0.10			<0.10		
	Chloromethane (mg/kg)	<0.10			<0.10		
	1,2-Dichlorobenzene (mg/kg)	<0.050			<0.050		
	1,3-Dichlorobenzene (mg/kg)	<0.050			<0.050		
	1,4-Dichlorobenzene (mg/kg)	<0.050			<0.050		
	1,1-Dichloroethane (mg/kg)	<0.050			<0.050		
	1,2-Dichloroethane (mg/kg)	<0.050			<0.050		
	1,1-Dichloroethylene (mg/kg)	<0.050			<0.070 ^{DLQ}		
	cis-1,2-Dichloroethylene (mg/kg)	<0.050			<0.050		
	trans-1,2-Dichloroethylene (mg/kg)	<0.050			<0.050		
	Dichloromethane (mg/kg)	<0.30			<0.30		
	1,2-Dichloropropane (mg/kg)	<0.050			<0.050		
	cis-1,3-Dichloropropylene (mg/kg)	<0.050			<0.050		
	trans-1,3-Dichloropropylene (mg/kg)	<0.050			<0.050		
	1,3-Dichloropropene (cis & trans) (mg/kg)	<0.10			<0.10		
	Ethylbenzene (mg/kg)	<0.015			<0.015		
	Methyl t-butyl ether (MTBE) (mg/kg)	<0.20			<0.20		
Styrene (mg/kg)	<0.050			<0.050			
1,1,1,2-Tetrachloroethane (mg/kg)	<0.050			<0.050			
1,1,2,2-Tetrachloroethane (mg/kg)	<0.050			<0.050			
Tetrachloroethylene (mg/kg)	<0.050			<0.050			

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L2148903-6	L2148903-7	L2148903-8	L2148903-9	L2148903-10
		Description	Sediment	Sediment	Sediment	Sediment	Sediment
		Sampled Date	11-AUG-18	11-AUG-18	11-AUG-18	11-AUG-18	11-AUG-18
		Sampled Time	13:05	12:35	12:40	12:45	11:40
		Client ID	SW-2-3	SW-3-1	SW-3-2	SW-3-3	SW-4-1
Grouping	Analyte						
SOIL							
Metals	Thallium (Tl) (mg/kg)	0.102	0.110	0.099	0.075	0.119	
	Tin (Sn) (mg/kg)	<2.0	<2.0	<2.0	<2.0	<2.0	
	Titanium (Ti) (mg/kg)	278	321	276	228	261	
	Tungsten (W) (mg/kg)	<0.50	<0.50	<0.50	<0.50	<0.50	
	Uranium (U) (mg/kg)	0.746	0.774	0.753	0.662	0.907	
	Vanadium (V) (mg/kg)	19.6	23.2	21.0	16.5	16.4	
	Zinc (Zn) (mg/kg)	15.6	15.6	15.3	11.7	12.5	
	Zirconium (Zr) (mg/kg)	4.4	5.9	5.2	4.3	6.7	
Volatile Organic Compounds	VOC Sample Container		Field MeOH			Field MeOH	
	Benzene (mg/kg)		<0.0050			<0.0050	
	Bromodichloromethane (mg/kg)		<0.050			<0.050	
	Bromoform (mg/kg)		<0.050			<0.050	
	Carbon Tetrachloride (mg/kg)		<0.050			<0.050	
	Chlorobenzene (mg/kg)		<0.050			<0.050	
	Dibromochloromethane (mg/kg)		<0.050			<0.050	
	Chloroethane (mg/kg)		<0.10			<0.10	
	Chloroform (mg/kg)		<0.10			<0.10	
	Chloromethane (mg/kg)		<0.10			<0.10	
	1,2-Dichlorobenzene (mg/kg)		<0.050			<0.050	
	1,3-Dichlorobenzene (mg/kg)		<0.050			<0.050	
	1,4-Dichlorobenzene (mg/kg)		<0.050			<0.050	
	1,1-Dichloroethane (mg/kg)		<0.050			<0.050	
	1,2-Dichloroethane (mg/kg)		<0.050			<0.050	
	1,1-Dichloroethylene (mg/kg)		<0.20 ^{DLQ}			<0.050	
	cis-1,2-Dichloroethylene (mg/kg)		<0.050			<0.050	
	trans-1,2-Dichloroethylene (mg/kg)		<0.050			<0.050	
	Dichloromethane (mg/kg)		<0.30			<0.30	
	1,2-Dichloropropane (mg/kg)		<0.050			<0.050	
	cis-1,3-Dichloropropylene (mg/kg)		<0.050			<0.050	
	trans-1,3-Dichloropropylene (mg/kg)		<0.050			<0.050	
	1,3-Dichloropropene (cis & trans) (mg/kg)		<0.10			<0.10	
	Ethylbenzene (mg/kg)		<0.015			<0.015	
	Methyl t-butyl ether (MTBE) (mg/kg)		<0.20			<0.20	
	Styrene (mg/kg)		<0.050			<0.050	
1,1,1,2-Tetrachloroethane (mg/kg)		<0.050			<0.050		
1,1,2,2-Tetrachloroethane (mg/kg)		<0.050			<0.050		
Tetrachloroethylene (mg/kg)		<0.050			<0.050		

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L2148903-11 Sediment 11-AUG-18 11:45 SW-4-2	L2148903-12 Sediment 11-AUG-18 11:50 SW-4-3	L2148903-13 Sediment 11-AUG-18 10:30 SW-5-1	L2148903-14 Sediment 11-AUG-18 10:35 SW-5-2	L2148903-15 Sediment 11-AUG-18 10:40 SW-5-3
Grouping	Analyte					
SOIL						
Metals	Thallium (Tl) (mg/kg)	0.081	0.085	0.066	0.067	0.066
	Tin (Sn) (mg/kg)	<2.0	<2.0	<2.0	<2.0	<2.0
	Titanium (Ti) (mg/kg)	253	250	216	216	219
	Tungsten (W) (mg/kg)	<0.50	<0.50	<0.50	<0.50	<0.50
	Uranium (U) (mg/kg)	0.742	0.713	0.521	0.824	0.582
	Vanadium (V) (mg/kg)	15.9	15.8	11.7	12.3	12.0
	Zinc (Zn) (mg/kg)	11.8	12.7	9.5	9.5	9.1
	Zirconium (Zr) (mg/kg)	4.4	3.5	4.1	5.4	4.8
Volatile Organic Compounds	VOC Sample Container			Field MeOH		
	Benzene (mg/kg)			<0.0050		
	Bromodichloromethane (mg/kg)			<0.050		
	Bromoform (mg/kg)			<0.050		
	Carbon Tetrachloride (mg/kg)			<0.050		
	Chlorobenzene (mg/kg)			<0.050		
	Dibromochloromethane (mg/kg)			<0.050		
	Chloroethane (mg/kg)			<0.10		
	Chloroform (mg/kg)			<0.10		
	Chloromethane (mg/kg)			<0.10		
	1,2-Dichlorobenzene (mg/kg)			<0.050		
	1,3-Dichlorobenzene (mg/kg)			<0.050		
	1,4-Dichlorobenzene (mg/kg)			<0.050		
	1,1-Dichloroethane (mg/kg)			<0.050		
	1,2-Dichloroethane (mg/kg)			<0.050		
	1,1-Dichloroethylene (mg/kg)			<0.050		
	cis-1,2-Dichloroethylene (mg/kg)			<0.050		
	trans-1,2-Dichloroethylene (mg/kg)			<0.050		
	Dichloromethane (mg/kg)			<0.30		
	1,2-Dichloropropane (mg/kg)			<0.050		
	cis-1,3-Dichloropropylene (mg/kg)			<0.050		
	trans-1,3-Dichloropropylene (mg/kg)			<0.050		
	1,3-Dichloropropene (cis & trans) (mg/kg)			<0.10		
	Ethylbenzene (mg/kg)			<0.015		
	Methyl t-butyl ether (MTBE) (mg/kg)			<0.20		
	Styrene (mg/kg)			<0.050		
	1,1,1,2-Tetrachloroethane (mg/kg)			<0.050		
	1,1,2,2-Tetrachloroethane (mg/kg)			<0.050		
	Tetrachloroethylene (mg/kg)			<0.050		

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L2148903-16	L2148903-17	L2148903-18	L2148903-19	L2148903-20
		Description	Sediment	Sediment	Sediment	Sediment	Sediment
		Sampled Date	11-AUG-18	11-AUG-18	11-AUG-18	11-AUG-18	11-AUG-18
		Sampled Time	14:10	14:15	14:20	14:45	14:50
		Client ID	SE-1-1	SE-1-2	SE-1-3	SE-2-1	SE-2-2
Grouping	Analyte						
SOIL							
Metals	Thallium (Tl) (mg/kg)	<0.050	<0.050	<0.050	0.071	0.086	
	Tin (Sn) (mg/kg)	<2.0	<2.0	<2.0	<2.0	<2.0	
	Titanium (Ti) (mg/kg)	96.2	83.0	111	180	238	
	Tungsten (W) (mg/kg)	<0.50	<0.50	<0.50	<0.50	<0.50	
	Uranium (U) (mg/kg)	0.506	0.252	0.376	0.546	0.703	
	Vanadium (V) (mg/kg)	6.62	5.34	7.16	15.3	18.8	
	Zinc (Zn) (mg/kg)	5.6	4.6	6.3	11.5	12.7	
	Zirconium (Zr) (mg/kg)	2.1	1.9	2.2	3.4	6.2	
Volatile Organic Compounds	VOC Sample Container	Field MeOH				Field MeOH	
	Benzene (mg/kg)	<0.0050			<0.0050		
	Bromodichloromethane (mg/kg)	<0.050			<0.050		
	Bromoform (mg/kg)	<0.050			<0.050		
	Carbon Tetrachloride (mg/kg)	<0.050			<0.050		
	Chlorobenzene (mg/kg)	<0.050			<0.050		
	Dibromochloromethane (mg/kg)	<0.050			<0.050		
	Chloroethane (mg/kg)	<0.10			<0.10		
	Chloroform (mg/kg)	<0.10			<0.10		
	Chloromethane (mg/kg)	<0.10			<0.10		
	1,2-Dichlorobenzene (mg/kg)	<0.050			<0.050		
	1,3-Dichlorobenzene (mg/kg)	<0.050			<0.050		
	1,4-Dichlorobenzene (mg/kg)	<0.050			<0.050		
	1,1-Dichloroethane (mg/kg)	<0.050			<0.050		
	1,2-Dichloroethane (mg/kg)	<0.050			<0.050		
	1,1-Dichloroethylene (mg/kg)	<0.20 ^{DLQ}			<0.15 ^{DLQ}		
	cis-1,2-Dichloroethylene (mg/kg)	<0.050			<0.050		
	trans-1,2-Dichloroethylene (mg/kg)	<0.050			<0.050		
	Dichloromethane (mg/kg)	<0.30			<0.30		
	1,2-Dichloropropane (mg/kg)	<0.050			<0.050		
	cis-1,3-Dichloropropylene (mg/kg)	<0.050			<0.050		
	trans-1,3-Dichloropropylene (mg/kg)	<0.050			<0.050		
	1,3-Dichloropropene (cis & trans) (mg/kg)	<0.10			<0.10		
	Ethylbenzene (mg/kg)	<0.015			<0.015		
	Methyl t-butyl ether (MTBE) (mg/kg)	<0.20			<0.20		
	Styrene (mg/kg)	<0.050			<0.050		
1,1,1,2-Tetrachloroethane (mg/kg)	<0.050			<0.050			
1,1,2,2-Tetrachloroethane (mg/kg)	<0.050			<0.050			
Tetrachloroethylene (mg/kg)	<0.050			<0.050			

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L2148903-21 Sediment 11-AUG-18 14:55 SE-2-3	L2148903-22 Sediment 11-AUG-18 15:20 SE-3-1	L2148903-23 Sediment 11-AUG-18 15:25 SE-3-2	L2148903-24 Sediment 11-AUG-18 15:30 SE-3-3	L2148903-25 Sediment 11-AUG-18 16:00 SE-4-1
Grouping	Analyte					
SOIL						
Metals	Thallium (Tl) (mg/kg)	0.071	0.069	0.062	0.059	0.115
	Tin (Sn) (mg/kg)	<2.0	<2.0	<2.0	<2.0	<2.0
	Titanium (Ti) (mg/kg)	205	179	190	152	281
	Tungsten (W) (mg/kg)	<0.50	<0.50	<0.50	<0.50	<0.50
	Uranium (U) (mg/kg)	0.601	0.493	0.563	0.479	0.861
	Vanadium (V) (mg/kg)	15.6	14.6	14.4	12.5	25.3
	Zinc (Zn) (mg/kg)	10.8	10.6	10.6	9.6	16.8
	Zirconium (Zr) (mg/kg)	4.5	3.3	3.8	2.7	5.9
Volatile Organic Compounds	VOC Sample Container		Field MeOH			Field MeOH
	Benzene (mg/kg)		<0.0050			<0.0050
	Bromodichloromethane (mg/kg)		<0.050			<0.050
	Bromoform (mg/kg)		<0.050			<0.050
	Carbon Tetrachloride (mg/kg)		<0.050			<0.050
	Chlorobenzene (mg/kg)		<0.050			<0.050
	Dibromochloromethane (mg/kg)		<0.050			<0.050
	Chloroethane (mg/kg)		<0.10			<0.10
	Chloroform (mg/kg)		<0.10			<0.10
	Chloromethane (mg/kg)		<0.10			<0.10
	1,2-Dichlorobenzene (mg/kg)		<0.050			<0.050
	1,3-Dichlorobenzene (mg/kg)		<0.050			<0.050
	1,4-Dichlorobenzene (mg/kg)		<0.050			<0.050
	1,1-Dichloroethane (mg/kg)		<0.050			<0.050
	1,2-Dichloroethane (mg/kg)		<0.050			<0.050
	1,1-Dichloroethylene (mg/kg)		<0.20 ^{DLQ}			<0.15 ^{DLQ}
	cis-1,2-Dichloroethylene (mg/kg)		<0.050			<0.050
	trans-1,2-Dichloroethylene (mg/kg)		<0.050			<0.050
	Dichloromethane (mg/kg)		<0.30			<0.30
	1,2-Dichloropropane (mg/kg)		<0.050			<0.050
	cis-1,3-Dichloropropylene (mg/kg)		<0.050			<0.050
	trans-1,3-Dichloropropylene (mg/kg)		<0.050			<0.050
	1,3-Dichloropropene (cis & trans) (mg/kg)		<0.10			<0.10
	Ethylbenzene (mg/kg)		<0.015			<0.015
	Methyl t-butyl ether (MTBE) (mg/kg)		<0.20			<0.20
	Styrene (mg/kg)		<0.050			<0.050
	1,1,1,2-Tetrachloroethane (mg/kg)		<0.050			<0.050
	1,1,2,2-Tetrachloroethane (mg/kg)		<0.050			<0.050
	Tetrachloroethylene (mg/kg)		<0.050			<0.050

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L2148903-26 Sediment 11-AUG-18 16:05 SE-4-2	L2148903-27 Sediment 11-AUG-18 16:10 SE-4-3	L2148903-28 Sediment 11-AUG-18 16:25 SE-5-1	L2148903-29 Sediment 11-AUG-18 16:30 SE-5-2	L2148903-30 Sediment 11-AUG-18 16:35 SE-5-3
Grouping	Analyte					
SOIL						
Metals	Thallium (Tl) (mg/kg)	0.073	0.092	0.106	0.077	0.139
	Tin (Sn) (mg/kg)	<2.0	<2.0	<2.0	<2.0	<2.0
	Titanium (Ti) (mg/kg)	204	265	252	212	308
	Tungsten (W) (mg/kg)	<0.50	<0.50	<0.50	<0.50	<0.50
	Uranium (U) (mg/kg)	0.625	0.748	0.785	0.554	1.02
	Vanadium (V) (mg/kg)	17.7	20.2	22.1	17.3	26.5
	Zinc (Zn) (mg/kg)	12.1	15.0	14.5	11.6	18.0
	Zirconium (Zr) (mg/kg)	4.5	5.4	6.8	4.9	8.6
Volatile Organic Compounds	VOC Sample Container			Field MeOH		
	Benzene (mg/kg)			<0.0050		
	Bromodichloromethane (mg/kg)			<0.050		
	Bromoform (mg/kg)			<0.050		
	Carbon Tetrachloride (mg/kg)			<0.050		
	Chlorobenzene (mg/kg)			<0.050		
	Dibromochloromethane (mg/kg)			<0.050		
	Chloroethane (mg/kg)			<0.10		
	Chloroform (mg/kg)			<0.10		
	Chloromethane (mg/kg)			<0.10		
	1,2-Dichlorobenzene (mg/kg)			<0.050		
	1,3-Dichlorobenzene (mg/kg)			<0.050		
	1,4-Dichlorobenzene (mg/kg)			<0.050		
	1,1-Dichloroethane (mg/kg)			<0.050		
	1,2-Dichloroethane (mg/kg)			<0.050		
	1,1-Dichloroethylene (mg/kg)			<0.15 ^{DLQ}		
	cis-1,2-Dichloroethylene (mg/kg)			<0.050		
	trans-1,2-Dichloroethylene (mg/kg)			<0.050		
	Dichloromethane (mg/kg)			<0.30		
	1,2-Dichloropropane (mg/kg)			<0.050		
	cis-1,3-Dichloropropylene (mg/kg)			<0.050		
	trans-1,3-Dichloropropylene (mg/kg)			<0.050		
	1,3-Dichloropropene (cis & trans) (mg/kg)			<0.10		
	Ethylbenzene (mg/kg)			<0.015		
	Methyl t-butyl ether (MTBE) (mg/kg)			<0.20		
	Styrene (mg/kg)			<0.050		
	1,1,1,2-Tetrachloroethane (mg/kg)			<0.050		
	1,1,2,2-Tetrachloroethane (mg/kg)			<0.050		
	Tetrachloroethylene (mg/kg)			<0.050		

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L2148903-31	L2148903-32	L2148903-33	L2148903-34	L2148903-35
		Description	Sediment	Sediment	Sediment	Sediment	Sediment
		Sampled Date	11-AUG-18	11-AUG-18	11-AUG-18	12-AUG-18	12-AUG-18
		Sampled Time	17:00	17:05	17:10	12:15	12:20
		Client ID	SC-2-1	SC-2-2	SC-2-3	SC-3-1	SC-3-2
Grouping	Analyte						
SOIL							
Metals	Thallium (Tl) (mg/kg)		0.152	0.145	0.146	0.170	0.173
	Tin (Sn) (mg/kg)		<2.0	<2.0	<2.0	<2.0	<2.0
	Titanium (Ti) (mg/kg)		351	339	352	314	375
	Tungsten (W) (mg/kg)		<0.50	<0.50	<0.50	<0.50	<0.50
	Uranium (U) (mg/kg)		1.23	1.13	1.20	1.37	1.49
	Vanadium (V) (mg/kg)		30.9	30.6	30.9	35.8	36.9
	Zinc (Zn) (mg/kg)		23.0	22.0	21.9	25.1	26.0
	Zirconium (Zr) (mg/kg)		7.8	7.8	7.3	6.7	8.4
Volatile Organic Compounds	VOC Sample Container		Field MeOH			Field MeOH	
	Benzene (mg/kg)		<0.0050			<0.0050	
	Bromodichloromethane (mg/kg)		<0.050			<0.050	
	Bromoform (mg/kg)		<0.050			<0.050	
	Carbon Tetrachloride (mg/kg)		<0.050			<0.050	
	Chlorobenzene (mg/kg)		<0.050			<0.050	
	Dibromochloromethane (mg/kg)		<0.050			<0.050	
	Chloroethane (mg/kg)		<0.10			<0.10	
	Chloroform (mg/kg)		<0.10			<0.10	
	Chloromethane (mg/kg)		<0.10			<0.10	
	1,2-Dichlorobenzene (mg/kg)		<0.050			<0.050	
	1,3-Dichlorobenzene (mg/kg)		<0.050			<0.050	
	1,4-Dichlorobenzene (mg/kg)		<0.050			<0.050	
	1,1-Dichloroethane (mg/kg)		<0.050			<0.050	
	1,2-Dichloroethane (mg/kg)		<0.050			<0.050	
	1,1-Dichloroethylene (mg/kg)		<0.20 ^{DLQ}			<0.35 ^{DLQ}	
	cis-1,2-Dichloroethylene (mg/kg)		<0.050			<0.050	
	trans-1,2-Dichloroethylene (mg/kg)		<0.050			<0.050	
	Dichloromethane (mg/kg)		<0.30			<0.30	
	1,2-Dichloropropane (mg/kg)		<0.050			<0.050	
	cis-1,3-Dichloropropylene (mg/kg)		<0.050			<0.050	
	trans-1,3-Dichloropropylene (mg/kg)		<0.050			<0.050	
	1,3-Dichloropropene (cis & trans) (mg/kg)		<0.10			<0.10	
	Ethylbenzene (mg/kg)		<0.015			<0.015	
	Methyl t-butyl ether (MTBE) (mg/kg)		<0.20			<0.20	
	Styrene (mg/kg)		<0.050			<0.050	
	1,1,1,2-Tetrachloroethane (mg/kg)		<0.050			<0.050	
	1,1,2,2-Tetrachloroethane (mg/kg)		<0.050			<0.050	
	Tetrachloroethylene (mg/kg)		<0.050			<0.050	

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L2148903-36 Sediment 12-AUG-18 12:25 SC-3-3	L2148903-37 Sediment 12-AUG-18 12:45 SC-4-1	L2148903-38 Sediment 12-AUG-18 12:50 SC-4-2	L2148903-39 Sediment 12-AUG-18 12:55 SC-4-3	L2148903-40 Sediment 12-AUG-18 13:30 SC-5-1
Grouping	Analyte					
SOIL						
Metals	Thallium (Tl) (mg/kg)	0.167	0.169	0.164	0.158	0.126
	Tin (Sn) (mg/kg)	<2.0	<2.0	<2.0	<2.0	<2.0
	Titanium (Ti) (mg/kg)	379	388	341	336	323
	Tungsten (W) (mg/kg)	<0.50	<0.50	<0.50	<0.50	<0.50
	Uranium (U) (mg/kg)	1.55	1.47	1.52	1.33	1.29
	Vanadium (V) (mg/kg)	35.8	33.7	33.1	32.5	26.1
	Zinc (Zn) (mg/kg)	26.0	27.7	26.4	26.2	22.1
	Zirconium (Zr) (mg/kg)	8.7	8.9	7.1	6.7	5.3
Volatile Organic Compounds	VOC Sample Container				Field MeOH	Field MeOH
	Benzene (mg/kg)				<0.012 ^{DLHM}	<0.0050
	Bromodichloromethane (mg/kg)				<0.050	<0.050
	Bromoform (mg/kg)				<0.050	<0.050
	Carbon Tetrachloride (mg/kg)				<0.050	<0.050
	Chlorobenzene (mg/kg)				<0.050	<0.050
	Dibromochloromethane (mg/kg)				<0.050	<0.050
	Chloroethane (mg/kg)				<0.10	<0.10
	Chloroform (mg/kg)				<0.10	<0.10
	Chloromethane (mg/kg)				<0.10	<0.10
	1,2-Dichlorobenzene (mg/kg)				<0.050	<0.050
	1,3-Dichlorobenzene (mg/kg)				<0.050	<0.050
	1,4-Dichlorobenzene (mg/kg)				<0.050	<0.050
	1,1-Dichloroethane (mg/kg)				<0.050	<0.050
	1,2-Dichloroethane (mg/kg)				<0.090 ^{DLHM}	<0.050
	1,1-Dichloroethylene (mg/kg)				<0.30 ^{DLQ}	<0.050
	cis-1,2-Dichloroethylene (mg/kg)				<0.050	<0.050
	trans-1,2-Dichloroethylene (mg/kg)				<0.050	<0.050
	Dichloromethane (mg/kg)				<0.30	0.66
	1,2-Dichloropropane (mg/kg)				<0.050	<0.050
	cis-1,3-Dichloropropylene (mg/kg)				<0.050	<0.050
	trans-1,3-Dichloropropylene (mg/kg)				<0.050	<0.050
	1,3-Dichloropropene (cis & trans) (mg/kg)				<0.10	<0.10
	Ethylbenzene (mg/kg)				<0.015	<0.015
	Methyl t-butyl ether (MTBE) (mg/kg)				<0.20	<0.20
	Styrene (mg/kg)				<0.050	<0.050
	1,1,1,2-Tetrachloroethane (mg/kg)				<0.050	<0.050
	1,1,2,2-Tetrachloroethane (mg/kg)				<0.050	<0.050
	Tetrachloroethylene (mg/kg)				<0.050	<0.050

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L2148903-41 Sediment 12-AUG-18 13:35 SC-5-2	L2148903-42 Sediment 12-AUG-18 13:40 SC-5-3	L2148903-43 Sediment 12-AUG-18 15:35 BE-2-1	L2148903-44 Sediment 12-AUG-18 15:40 BE-2-2	L2148903-45 Sediment 12-AUG-18 15:45 BE-2-3
Grouping	Analyte					
SOIL						
Metals	Thallium (Tl) (mg/kg)	0.122	0.123	0.070	0.093	0.088
	Tin (Sn) (mg/kg)	<2.0	<2.0	<2.0	<2.0	<2.0
	Titanium (Ti) (mg/kg)	349	345	176	244	223
	Tungsten (W) (mg/kg)	<0.50	<0.50	<0.50	<0.50	<0.50
	Uranium (U) (mg/kg)	1.29	1.28	0.588	0.813	0.773
	Vanadium (V) (mg/kg)	25.9	23.7	15.3	21.0	20.3
	Zinc (Zn) (mg/kg)	21.0	21.6	10.9	15.4	14.4
	Zirconium (Zr) (mg/kg)	5.6	6.3	3.5	7.0	4.8
Volatile Organic Compounds	VOC Sample Container			Field MeOH		
	Benzene (mg/kg)			<0.0050		
	Bromodichloromethane (mg/kg)			<0.050		
	Bromoform (mg/kg)			<0.050		
	Carbon Tetrachloride (mg/kg)			<0.050		
	Chlorobenzene (mg/kg)			<0.050		
	Dibromochloromethane (mg/kg)			<0.050		
	Chloroethane (mg/kg)			<0.10		
	Chloroform (mg/kg)			<0.10		
	Chloromethane (mg/kg)			<0.10		
	1,2-Dichlorobenzene (mg/kg)			<0.050		
	1,3-Dichlorobenzene (mg/kg)			<0.050		
	1,4-Dichlorobenzene (mg/kg)			<0.050		
	1,1-Dichloroethane (mg/kg)			<0.050		
	1,2-Dichloroethane (mg/kg)			<0.050		
	1,1-Dichloroethylene (mg/kg)			<0.050		
	cis-1,2-Dichloroethylene (mg/kg)			<0.050		
	trans-1,2-Dichloroethylene (mg/kg)			<0.050		
	Dichloromethane (mg/kg)			0.35		
	1,2-Dichloropropane (mg/kg)			<0.050		
	cis-1,3-Dichloropropylene (mg/kg)			<0.050		
	trans-1,3-Dichloropropylene (mg/kg)			<0.050		
	1,3-Dichloropropene (cis & trans) (mg/kg)			<0.10		
	Ethylbenzene (mg/kg)			<0.015		
	Methyl t-butyl ether (MTBE) (mg/kg)			<0.20		
	Styrene (mg/kg)			<0.050		
	1,1,1,2-Tetrachloroethane (mg/kg)			<0.050		
	1,1,2,2-Tetrachloroethane (mg/kg)			<0.050		
	Tetrachloroethylene (mg/kg)			<0.050		

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L2148903-46	L2148903-47	L2148903-48	L2148903-49	L2148903-50
		Description	Sediment	Sediment	Sediment	Sediment	Sediment
		Sampled Date	12-AUG-18	12-AUG-18	12-AUG-18	12-AUG-18	12-AUG-18
		Sampled Time	16:00	16:05	16:10	14:05	14:10
		Client ID	BE-5-1	BE-5-2	BE-5-3	SN-1-1	SN-1-2
Grouping	Analyte						
SOIL							
Metals	Thallium (Tl) (mg/kg)		0.157	0.095	0.142	0.090	0.112
	Tin (Sn) (mg/kg)		<2.0	<2.0	<2.0	<2.0	<2.0
	Titanium (Ti) (mg/kg)		340	260	346	252	262
	Tungsten (W) (mg/kg)		<0.50	<0.50	<0.50	<0.50	<0.50
	Uranium (U) (mg/kg)		1.39	0.877	1.36	0.757	0.977
	Vanadium (V) (mg/kg)		31.8	20.2	29.4	19.8	21.9
	Zinc (Zn) (mg/kg)		23.9	15.7	22.3	14.8	15.5
	Zirconium (Zr) (mg/kg)		7.5	6.1	8.0	5.6	8.1
Volatile Organic Compounds	VOC Sample Container	Field MeOH				Field MeOH	
	Benzene (mg/kg)	^{DLHM} <0.011				<0.0050	
	Bromodichloromethane (mg/kg)	<0.050				<0.050	
	Bromoform (mg/kg)	<0.050				<0.050	
	Carbon Tetrachloride (mg/kg)	<0.050				<0.050	
	Chlorobenzene (mg/kg)	<0.050				<0.050	
	Dibromochloromethane (mg/kg)	<0.050				<0.050	
	Chloroethane (mg/kg)	<0.10				<0.10	
	Chloroform (mg/kg)	<0.10				<0.10	
	Chloromethane (mg/kg)	<0.10				<0.10	
	1,2-Dichlorobenzene (mg/kg)	<0.050				<0.050	
	1,3-Dichlorobenzene (mg/kg)	<0.050				<0.050	
	1,4-Dichlorobenzene (mg/kg)	<0.050				<0.050	
	1,1-Dichloroethane (mg/kg)	<0.050				<0.050	
	1,2-Dichloroethane (mg/kg)	^{DLHM} <0.085				<0.050	
	1,1-Dichloroethylene (mg/kg)	^{DLQ} <0.50				<0.10 ^{DLQ}	
	cis-1,2-Dichloroethylene (mg/kg)	<0.050				<0.050	
	trans-1,2-Dichloroethylene (mg/kg)	<0.050				<0.050	
	Dichloromethane (mg/kg)	0.46				<0.30	
	1,2-Dichloropropane (mg/kg)	<0.050				<0.050	
	cis-1,3-Dichloropropylene (mg/kg)	<0.050				<0.050	
	trans-1,3-Dichloropropylene (mg/kg)	<0.050				<0.050	
	1,3-Dichloropropene (cis & trans) (mg/kg)	<0.10				<0.10	
	Ethylbenzene (mg/kg)	<0.015				<0.015	
	Methyl t-butyl ether (MTBE) (mg/kg)	<0.20				<0.20	
	Styrene (mg/kg)	<0.050				<0.050	
	1,1,1,2-Tetrachloroethane (mg/kg)	<0.050				<0.050	
	1,1,2,2-Tetrachloroethane (mg/kg)	<0.050				<0.050	
	Tetrachloroethylene (mg/kg)	<0.050				<0.050	

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L2148903-51 Sediment 12-AUG-18 14:15 SN-1-3	L2148903-52 Sediment 12-AUG-18 14:25 SN-2-1	L2148903-53 Sediment 12-AUG-18 14:30 SN-2-2	L2148903-54 Sediment 12-AUG-18 14:35 SN-2-3	L2148903-55 Sediment 13-AUG-18 11:00 SN-3-1
Grouping	Analyte					
SOIL						
Metals	Thallium (Tl) (mg/kg)	0.096	0.123	0.106	0.104	0.136
	Tin (Sn) (mg/kg)	<2.0	<2.0	<2.0	<2.0	<2.0
	Titanium (Ti) (mg/kg)	253	305	249	232	328
	Tungsten (W) (mg/kg)	<0.50	<0.50	<0.50	<0.50	<0.50
	Uranium (U) (mg/kg)	0.816	0.971	0.876	0.878	1.18
	Vanadium (V) (mg/kg)	19.6	27.9	22.3	21.6	34.2
	Zinc (Zn) (mg/kg)	14.6	18.7	15.5	14.9	22.1
	Zirconium (Zr) (mg/kg)	7.0	7.5	7.6	7.1	8.7
Volatile Organic Compounds	VOC Sample Container		Field MeOH			Field MeOH
	Benzene (mg/kg)		<0.0050			<0.0050
	Bromodichloromethane (mg/kg)		<0.050			<0.050
	Bromoform (mg/kg)		<0.050			<0.050
	Carbon Tetrachloride (mg/kg)		<0.050			<0.050
	Chlorobenzene (mg/kg)		<0.050			<0.050
	Dibromochloromethane (mg/kg)		<0.050			<0.050
	Chloroethane (mg/kg)		<0.10			<0.10
	Chloroform (mg/kg)		<0.10			<0.10
	Chloromethane (mg/kg)		<0.10			<0.10
	1,2-Dichlorobenzene (mg/kg)		<0.050			<0.050
	1,3-Dichlorobenzene (mg/kg)		<0.050			<0.050
	1,4-Dichlorobenzene (mg/kg)		<0.050			<0.050
	1,1-Dichloroethane (mg/kg)		<0.050			<0.050
	1,2-Dichloroethane (mg/kg)		<0.050			<0.050
	1,1-Dichloroethylene (mg/kg)		<0.050			<0.050
	cis-1,2-Dichloroethylene (mg/kg)		<0.050			<0.050
	trans-1,2-Dichloroethylene (mg/kg)		<0.050			<0.050
	Dichloromethane (mg/kg)		<0.30			<0.30
	1,2-Dichloropropane (mg/kg)		<0.050			<0.050
	cis-1,3-Dichloropropylene (mg/kg)		<0.050			<0.050
	trans-1,3-Dichloropropylene (mg/kg)		<0.050			<0.050
	1,3-Dichloropropene (cis & trans) (mg/kg)		<0.10			<0.10
	Ethylbenzene (mg/kg)		<0.015			<0.015
	Methyl t-butyl ether (MTBE) (mg/kg)		<0.20			<0.20
	Styrene (mg/kg)		<0.050			<0.050
	1,1,1,2-Tetrachloroethane (mg/kg)		<0.050			<0.050
	1,1,2,2-Tetrachloroethane (mg/kg)		<0.050			<0.050
	Tetrachloroethylene (mg/kg)		<0.050			<0.050

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L2148903-56 Sediment 13-AUG-18 11:05 SN-3-2	L2148903-57 Sediment 13-AUG-18 11:10 SN-3-3	L2148903-58 Sediment 13-AUG-18 11:45 SN-4-1	L2148903-59 Sediment 13-AUG-18 11:50 SN-4-2	L2148903-60 Sediment 13-AUG-18 11:55 SN-4-3
Grouping	Analyte					
SOIL						
Metals	Thallium (Tl) (mg/kg)	0.121	0.110	0.138	0.130	0.123
	Tin (Sn) (mg/kg)	<2.0	<2.0	<2.0	<2.0	<2.0
	Titanium (Ti) (mg/kg)	281	257	309	282	247
	Tungsten (W) (mg/kg)	<0.50	<0.50	<0.50	<0.50	<0.50
	Uranium (U) (mg/kg)	0.973	0.858	0.999	0.946	1.14
	Vanadium (V) (mg/kg)	29.7	26.5	34.4	32.7	29.2
	Zinc (Zn) (mg/kg)	19.8	17.4	22.7	21.2	20.1
	Zirconium (Zr) (mg/kg)	8.8	6.9	8.2	8.0	8.1
Volatile Organic Compounds	VOC Sample Container			Field MeOH		
	Benzene (mg/kg)			<0.0050		
	Bromodichloromethane (mg/kg)			<0.050		
	Bromoform (mg/kg)			<0.050		
	Carbon Tetrachloride (mg/kg)			<0.050		
	Chlorobenzene (mg/kg)			<0.050		
	Dibromochloromethane (mg/kg)			<0.050		
	Chloroethane (mg/kg)			<0.10		
	Chloroform (mg/kg)			<0.10		
	Chloromethane (mg/kg)			<0.10		
	1,2-Dichlorobenzene (mg/kg)			<0.050		
	1,3-Dichlorobenzene (mg/kg)			<0.050		
	1,4-Dichlorobenzene (mg/kg)			<0.050		
	1,1-Dichloroethane (mg/kg)			<0.050		
	1,2-Dichloroethane (mg/kg)			<0.050		
	1,1-Dichloroethylene (mg/kg)			<0.050		
	cis-1,2-Dichloroethylene (mg/kg)			<0.050		
	trans-1,2-Dichloroethylene (mg/kg)			<0.050		
	Dichloromethane (mg/kg)			<0.30		
	1,2-Dichloropropane (mg/kg)			<0.050		
	cis-1,3-Dichloropropylene (mg/kg)			<0.050		
	trans-1,3-Dichloropropylene (mg/kg)			<0.050		
	1,3-Dichloropropene (cis & trans) (mg/kg)			<0.10		
	Ethylbenzene (mg/kg)			<0.015		
	Methyl t-butyl ether (MTBE) (mg/kg)			<0.20		
	Styrene (mg/kg)			<0.050		
	1,1,1,2-Tetrachloroethane (mg/kg)			<0.050		
	1,1,2,2-Tetrachloroethane (mg/kg)			<0.050		
	Tetrachloroethylene (mg/kg)			<0.050		

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L2148903-61	L2148903-62	L2148903-63	L2148903-64	L2148903-65
		Description	Sediment	Sediment	Sediment	Sediment	Sediment
		Sampled Date	13-AUG-18	13-AUG-18	13-AUG-18	13-AUG-18	13-AUG-18
		Sampled Time	12:30	12:35	12:40		
		Client ID	SN-5-1	SN-5-2	SN-5-3	DUP-A	DUP-B
Grouping	Analyte						
SOIL							
Metals	Thallium (Tl) (mg/kg)		0.136	0.124	0.151	0.068	0.076
	Tin (Sn) (mg/kg)		<2.0	<2.0	<2.0	<2.0	<2.0
	Titanium (Ti) (mg/kg)		300	275	316	215	253
	Tungsten (W) (mg/kg)		<0.50	<0.50	<0.50	<0.50	<0.50
	Uranium (U) (mg/kg)		1.06	0.965	1.16	0.655	0.683
	Vanadium (V) (mg/kg)		33.8	32.1	35.7	10.9	15.5
	Zinc (Zn) (mg/kg)		23.9	22.1	25.7	9.4	11.3
	Zirconium (Zr) (mg/kg)		7.9	7.5	10.3	3.6	5.9
Volatile Organic Compounds	VOC Sample Container	Field MeOH					
	Benzene (mg/kg)		<0.0050				
	Bromodichloromethane (mg/kg)		<0.050				
	Bromoform (mg/kg)		<0.050				
	Carbon Tetrachloride (mg/kg)		<0.050				
	Chlorobenzene (mg/kg)		<0.050				
	Dibromochloromethane (mg/kg)		<0.050				
	Chloroethane (mg/kg)		<0.10				
	Chloroform (mg/kg)		<0.10				
	Chloromethane (mg/kg)		<0.10				
	1,2-Dichlorobenzene (mg/kg)		<0.050				
	1,3-Dichlorobenzene (mg/kg)		<0.050				
	1,4-Dichlorobenzene (mg/kg)		<0.050				
	1,1-Dichloroethane (mg/kg)		<0.050				
	1,2-Dichloroethane (mg/kg)		<0.050				
	1,1-Dichloroethylene (mg/kg)		<0.050				
	cis-1,2-Dichloroethylene (mg/kg)		<0.050				
	trans-1,2-Dichloroethylene (mg/kg)		<0.050				
	Dichloromethane (mg/kg)		<0.30				
	1,2-Dichloropropane (mg/kg)		<0.050				
	cis-1,3-Dichloropropylene (mg/kg)		<0.050				
	trans-1,3-Dichloropropylene (mg/kg)		<0.050				
	1,3-Dichloropropene (cis & trans) (mg/kg)		<0.10				
	Ethylbenzene (mg/kg)		<0.015				
	Methyl t-butyl ether (MTBE) (mg/kg)		<0.20				
	Styrene (mg/kg)		<0.050				
	1,1,1,2-Tetrachloroethane (mg/kg)		<0.050				
	1,1,2,2-Tetrachloroethane (mg/kg)		<0.050				
	Tetrachloroethylene (mg/kg)		<0.050				

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L2148903-66	L2148903-67	L2148903-68	L2148903-69
		Description	Sediment	Sediment	Sediment	Sediment
		Sampled Date	13-AUG-18	13-AUG-18	13-AUG-18	13-AUG-18
		Sampled Time				
		Client ID	DUP-C	DUP-D	DUP-E	DUP-F
Grouping	Analyte					
SOIL						
Metals	Thallium (Tl) (mg/kg)		0.173	0.176	0.116	0.099
	Tin (Sn) (mg/kg)		<2.0	<2.0	<2.0	<2.0
	Titanium (Ti) (mg/kg)		358	381	276	251
	Tungsten (W) (mg/kg)		<0.50	<0.50	<0.50	<0.50
	Uranium (U) (mg/kg)		1.47	1.43	0.892	0.900
	Vanadium (V) (mg/kg)		35.7	31.9	25.4	20.6
	Zinc (Zn) (mg/kg)		25.3	26.9	17.8	15.0
	Zirconium (Zr) (mg/kg)		8.4	9.3	7.0	7.4
Volatile Organic Compounds	VOC Sample Container					
	Benzene (mg/kg)					
	Bromodichloromethane (mg/kg)					
	Bromoform (mg/kg)					
	Carbon Tetrachloride (mg/kg)					
	Chlorobenzene (mg/kg)					
	Dibromochloromethane (mg/kg)					
	Chloroethane (mg/kg)					
	Chloroform (mg/kg)					
	Chloromethane (mg/kg)					
	1,2-Dichlorobenzene (mg/kg)					
	1,3-Dichlorobenzene (mg/kg)					
	1,4-Dichlorobenzene (mg/kg)					
	1,1-Dichloroethane (mg/kg)					
	1,2-Dichloroethane (mg/kg)					
	1,1-Dichloroethylene (mg/kg)					
	cis-1,2-Dichloroethylene (mg/kg)					
	trans-1,2-Dichloroethylene (mg/kg)					
	Dichloromethane (mg/kg)					
	1,2-Dichloropropane (mg/kg)					
	cis-1,3-Dichloropropylene (mg/kg)					
	trans-1,3-Dichloropropylene (mg/kg)					
	1,3-Dichloropropene (cis & trans) (mg/kg)					
	Ethylbenzene (mg/kg)					
	Methyl t-butyl ether (MTBE) (mg/kg)					
	Styrene (mg/kg)					
	1,1,1,2-Tetrachloroethane (mg/kg)					
	1,1,2,2-Tetrachloroethane (mg/kg)					
	Tetrachloroethylene (mg/kg)					

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L2148903-1	L2148903-2	L2148903-3	L2148903-4	L2148903-5
		Description	Sediment	Sediment	Sediment	Sediment	Sediment
		Sampled Date	11-AUG-18	11-AUG-18	11-AUG-18	11-AUG-18	11-AUG-18
		Sampled Time	13:35	13:40	13:45	12:55	13:00
		Client ID	SW-1-1	SW-1-2	SW-1-3	SW-2-1	SW-2-2
Grouping	Analyte						
SOIL							
Volatile Organic Compounds	Toluene (mg/kg)	<0.050				<0.050	
	1,1,1-Trichloroethane (mg/kg)	<0.050				<0.050	
	1,1,2-Trichloroethane (mg/kg)	<0.050				<0.050	
	Trichloroethylene (mg/kg)	<0.010				<0.010	
	Trichlorofluoromethane (mg/kg)	<0.10				<0.10	
	Vinyl Chloride (mg/kg)	<0.10				<0.10	
	ortho-Xylene (mg/kg)	<0.050				<0.050	
	meta- & para-Xylene (mg/kg)	<0.050				<0.050	
	Xylenes (mg/kg)	<0.075				<0.075	
	Surrogate: 4-Bromofluorobenzene (SS) (%)	89.8				74.1	
Surrogate: 1,4-Difluorobenzene (SS) (%)	83.2				74.8		
Hydrocarbons	EPH10-19 (mg/kg)	<200				<200	
	EPH19-32 (mg/kg)	<200				<200	
	LEPH (mg/kg)	<200				<200	
	HEPH (mg/kg)	<200				<200	
	Surrogate: 2-Bromobenzotrifluoride (%)	94.4				95.0	
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/kg)	<0.0050				<0.0050	
	Acenaphthylene (mg/kg)	<0.0050				<0.0050	
	Anthracene (mg/kg)	<0.0040				<0.0040	
	Benz(a)anthracene (mg/kg)	<0.010				<0.010	
	Benzo(a)pyrene (mg/kg)	<0.010				<0.010	
	Benzo(b&j)fluoranthene (mg/kg)	<0.010				<0.010	
	Benzo(b+j+k)fluoranthene (mg/kg)	<0.015				<0.015	
	Benzo(g,h,i)perylene (mg/kg)	<0.010				<0.010	
	Benzo(k)fluoranthene (mg/kg)	<0.010				<0.010	
	Chrysene (mg/kg)	<0.010				<0.010	
	Dibenz(a,h)anthracene (mg/kg)	<0.0050				<0.0050	
	Fluoranthene (mg/kg)	<0.010				<0.010	
	Fluorene (mg/kg)	<0.010				<0.010	
	Indeno(1,2,3-c,d)pyrene (mg/kg)	<0.010				<0.010	
	1-Methylnaphthalene (mg/kg)	<0.050				<0.050	
	2-Methylnaphthalene (mg/kg)	<0.010				<0.010	
	Naphthalene (mg/kg)	<0.010				<0.010	
Phenanthrene (mg/kg)	<0.010				<0.010		
Pyrene (mg/kg)	<0.010				<0.010		
Quinoline (mg/kg)	<0.050				<0.050		

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID	Description	Sampled Date	Sampled Time	Client ID	L2148903-6	L2148903-7	L2148903-8	L2148903-9	L2148903-10
					Sediment	Sediment	Sediment	Sediment	Sediment
		11-AUG-18	13:05	SW-2-3	11-AUG-18	11-AUG-18	11-AUG-18	11-AUG-18	11-AUG-18
					13:05	12:35	12:40	12:45	11:40
					SW-2-3	SW-3-1	SW-3-2	SW-3-3	SW-4-1
Grouping	Analyte								
SOIL									
Volatile Organic Compounds	Toluene (mg/kg)					<0.050			<0.050
	1,1,1-Trichloroethane (mg/kg)					<0.050			<0.050
	1,1,2-Trichloroethane (mg/kg)					<0.050			<0.050
	Trichloroethylene (mg/kg)					<0.010			<0.010
	Trichlorofluoromethane (mg/kg)					<0.10			<0.10
	Vinyl Chloride (mg/kg)					<0.10			<0.10
	ortho-Xylene (mg/kg)					<0.050			<0.050
	meta- & para-Xylene (mg/kg)					<0.050			<0.050
	Xylenes (mg/kg)					<0.075			<0.075
	Surrogate: 4-Bromofluorobenzene (SS) (%)					93.6			91.3
Surrogate: 1,4-Difluorobenzene (SS) (%)					99.9			91.8	
Hydrocarbons	EPH10-19 (mg/kg)					<200			<200
	EPH19-32 (mg/kg)					<200			<200
	LEPH (mg/kg)					<200			<200
	HEPH (mg/kg)					<200			<200
	Surrogate: 2-Bromobenzotrifluoride (%)					96.8			96.2
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/kg)					<0.0050			<0.0050
	Acenaphthylene (mg/kg)					<0.0050			<0.0050
	Anthracene (mg/kg)					<0.0040			<0.0040
	Benz(a)anthracene (mg/kg)					<0.010			<0.010
	Benzo(a)pyrene (mg/kg)					<0.010			<0.010
	Benzo(b&j)fluoranthene (mg/kg)					<0.010			<0.010
	Benzo(b+j+k)fluoranthene (mg/kg)					<0.015			<0.015
	Benzo(g,h,i)perylene (mg/kg)					<0.010			<0.010
	Benzo(k)fluoranthene (mg/kg)					<0.010			<0.010
	Chrysene (mg/kg)					<0.010			<0.010
	Dibenz(a,h)anthracene (mg/kg)					<0.0050			<0.0050
	Fluoranthene (mg/kg)					<0.010			<0.010
	Fluorene (mg/kg)					<0.010			<0.010
	Indeno(1,2,3-c,d)pyrene (mg/kg)					<0.010			<0.010
	1-Methylnaphthalene (mg/kg)					<0.050			<0.050
	2-Methylnaphthalene (mg/kg)					<0.010			<0.010
	Naphthalene (mg/kg)					<0.010			<0.010
Phenanthrene (mg/kg)					<0.010			<0.010	
Pyrene (mg/kg)					<0.010			<0.010	
Quinoline (mg/kg)					<0.050			<0.050	

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L2148903-11 Sediment 11-AUG-18 11:45 SW-4-2	L2148903-12 Sediment 11-AUG-18 11:50 SW-4-3	L2148903-13 Sediment 11-AUG-18 10:30 SW-5-1	L2148903-14 Sediment 11-AUG-18 10:35 SW-5-2	L2148903-15 Sediment 11-AUG-18 10:40 SW-5-3
Grouping	Analyte					
SOIL						
Volatile Organic Compounds	Toluene (mg/kg)			<0.050		
	1,1,1-Trichloroethane (mg/kg)			<0.050		
	1,1,2-Trichloroethane (mg/kg)			<0.050		
	Trichloroethylene (mg/kg)			<0.010		
	Trichlorofluoromethane (mg/kg)			<0.10		
	Vinyl Chloride (mg/kg)			<0.10		
	ortho-Xylene (mg/kg)			<0.050		
	meta- & para-Xylene (mg/kg)			<0.050		
	Xylenes (mg/kg)			<0.075		
	Surrogate: 4-Bromofluorobenzene (SS) (%)			90.7		
	Surrogate: 1,4-Difluorobenzene (SS) (%)			98.3		
Hydrocarbons	EPH10-19 (mg/kg)			<200		
	EPH19-32 (mg/kg)			<200		
	LEPH (mg/kg)			<200		
	HEPH (mg/kg)			<200		
	Surrogate: 2-Bromobenzotrifluoride (%)			91.9		
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/kg)			<0.0050		
	Acenaphthylene (mg/kg)			<0.0050		
	Anthracene (mg/kg)			<0.0040		
	Benz(a)anthracene (mg/kg)			<0.010		
	Benzo(a)pyrene (mg/kg)			<0.010		
	Benzo(b&j)fluoranthene (mg/kg)			<0.010		
	Benzo(b+j+k)fluoranthene (mg/kg)			<0.015		
	Benzo(g,h,i)perylene (mg/kg)			<0.010		
	Benzo(k)fluoranthene (mg/kg)			<0.010		
	Chrysene (mg/kg)			<0.010		
	Dibenz(a,h)anthracene (mg/kg)			<0.0050		
	Fluoranthene (mg/kg)			<0.010		
	Fluorene (mg/kg)			<0.010		
	Indeno(1,2,3-c,d)pyrene (mg/kg)			<0.010		
	1-Methylnaphthalene (mg/kg)			<0.050		
	2-Methylnaphthalene (mg/kg)			<0.010		
	Naphthalene (mg/kg)			<0.010		
	Phenanthrene (mg/kg)			<0.010		
	Pyrene (mg/kg)			<0.010		
	Quinoline (mg/kg)			<0.050		

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L2148903-16	L2148903-17	L2148903-18	L2148903-19	L2148903-20
		Description	Sediment	Sediment	Sediment	Sediment	Sediment
		Sampled Date	11-AUG-18	11-AUG-18	11-AUG-18	11-AUG-18	11-AUG-18
		Sampled Time	14:10	14:15	14:20	14:45	14:50
		Client ID	SE-1-1	SE-1-2	SE-1-3	SE-2-1	SE-2-2
Grouping	Analyte						
SOIL							
Volatile Organic Compounds	Toluene (mg/kg)	<0.050				<0.050	
	1,1,1-Trichloroethane (mg/kg)	<0.050				<0.050	
	1,1,2-Trichloroethane (mg/kg)	<0.050				<0.050	
	Trichloroethylene (mg/kg)	<0.010				<0.010	
	Trichlorofluoromethane (mg/kg)	<0.10				<0.10	
	Vinyl Chloride (mg/kg)	<0.10				<0.10	
	ortho-Xylene (mg/kg)	<0.050				<0.050	
	meta- & para-Xylene (mg/kg)	<0.050				<0.050	
	Xylenes (mg/kg)	<0.075				<0.075	
	Surrogate: 4-Bromofluorobenzene (SS) (%)	88.1				89.5	
Surrogate: 1,4-Difluorobenzene (SS) (%)	87.8				82.8		
Hydrocarbons	EPH10-19 (mg/kg)	<200				<200	
	EPH19-32 (mg/kg)	<200				<200	
	LEPH (mg/kg)	<200				<200	
	HEPH (mg/kg)	<200				<200	
	Surrogate: 2-Bromobenzotrifluoride (%)	91.2				93.9	
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/kg)	<0.0050				<0.0050	
	Acenaphthylene (mg/kg)	<0.0050				<0.0050	
	Anthracene (mg/kg)	<0.0040				<0.0040	
	Benz(a)anthracene (mg/kg)	<0.010				<0.010	
	Benzo(a)pyrene (mg/kg)	<0.010				<0.010	
	Benzo(b&j)fluoranthene (mg/kg)	<0.010				<0.020 ^{DLQ}	
	Benzo(b+j+k)fluoranthene (mg/kg)	<0.015				<0.022	
	Benzo(g,h,i)perylene (mg/kg)	<0.010				0.011	
	Benzo(k)fluoranthene (mg/kg)	<0.010				<0.010	
	Chrysene (mg/kg)	<0.010				<0.010	
	Dibenz(a,h)anthracene (mg/kg)	<0.0050				<0.0050	
	Fluoranthene (mg/kg)	<0.010				<0.010	
	Fluorene (mg/kg)	<0.010				<0.010	
	Indeno(1,2,3-c,d)pyrene (mg/kg)	<0.010				0.010	
	1-Methylnaphthalene (mg/kg)	<0.050				<0.050	
	2-Methylnaphthalene (mg/kg)	<0.010				<0.010	
	Naphthalene (mg/kg)	<0.010				<0.010	
Phenanthrene (mg/kg)	<0.010				<0.010		
Pyrene (mg/kg)	<0.010				<0.010		
Quinoline (mg/kg)	<0.050				<0.050		

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L2148903-21 Sediment 11-AUG-18 14:55 SE-2-3	L2148903-22 Sediment 11-AUG-18 15:20 SE-3-1	L2148903-23 Sediment 11-AUG-18 15:25 SE-3-2	L2148903-24 Sediment 11-AUG-18 15:30 SE-3-3	L2148903-25 Sediment 11-AUG-18 16:00 SE-4-1
Grouping	Analyte					
SOIL						
Volatile Organic Compounds	Toluene (mg/kg)		<0.050			<0.050
	1,1,1-Trichloroethane (mg/kg)		<0.050			<0.050
	1,1,2-Trichloroethane (mg/kg)		<0.050			<0.050
	Trichloroethylene (mg/kg)		<0.010			<0.010
	Trichlorofluoromethane (mg/kg)		<0.10			<0.10
	Vinyl Chloride (mg/kg)		<0.10			<0.10
	ortho-Xylene (mg/kg)		<0.050			<0.050
	meta- & para-Xylene (mg/kg)		<0.050			<0.050
	Xylenes (mg/kg)		<0.075			<0.075
	Surrogate: 4-Bromofluorobenzene (SS) (%)		91.6			97.2
Surrogate: 1,4-Difluorobenzene (SS) (%)		80.6			86.2	
Hydrocarbons	EPH10-19 (mg/kg)		<200			<200
	EPH19-32 (mg/kg)		<200			<200
	LEPH (mg/kg)		<200			<200
	HEPH (mg/kg)		<200			<200
	Surrogate: 2-Bromobenzotrifluoride (%)		92.3			94.6
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/kg)		<0.0050			<0.0050
	Acenaphthylene (mg/kg)		<0.0050			<0.0050
	Anthracene (mg/kg)		<0.0040			<0.0040
	Benz(a)anthracene (mg/kg)		<0.010			<0.010
	Benzo(a)pyrene (mg/kg)		<0.010			<0.010
	Benzo(b&j)fluoranthene (mg/kg)		<0.010			<0.010
	Benzo(b+j+k)fluoranthene (mg/kg)		<0.015			<0.015
	Benzo(g,h,i)perylene (mg/kg)		<0.010			<0.010
	Benzo(k)fluoranthene (mg/kg)		<0.010			<0.010
	Chrysene (mg/kg)		<0.010			<0.010
	Dibenz(a,h)anthracene (mg/kg)		<0.0050			<0.0050
	Fluoranthene (mg/kg)		<0.010			<0.010
	Fluorene (mg/kg)		<0.010			<0.010
	Indeno(1,2,3-c,d)pyrene (mg/kg)		<0.010			<0.010
	1-Methylnaphthalene (mg/kg)		<0.050			<0.050
	2-Methylnaphthalene (mg/kg)		<0.010			<0.010
	Naphthalene (mg/kg)		<0.010			<0.010
Phenanthrene (mg/kg)		<0.010			<0.010	
Pyrene (mg/kg)		<0.010			<0.010	
Quinoline (mg/kg)		<0.050			<0.050	

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L2148903-26 Sediment 11-AUG-18 16:05 SE-4-2	L2148903-27 Sediment 11-AUG-18 16:10 SE-4-3	L2148903-28 Sediment 11-AUG-18 16:25 SE-5-1	L2148903-29 Sediment 11-AUG-18 16:30 SE-5-2	L2148903-30 Sediment 11-AUG-18 16:35 SE-5-3
Grouping	Analyte					
SOIL						
Volatile Organic Compounds	Toluene (mg/kg)			<0.050		
	1,1,1-Trichloroethane (mg/kg)			<0.050		
	1,1,2-Trichloroethane (mg/kg)			<0.050		
	Trichloroethylene (mg/kg)			<0.010		
	Trichlorofluoromethane (mg/kg)			<0.10		
	Vinyl Chloride (mg/kg)			<0.10		
	ortho-Xylene (mg/kg)			<0.050		
	meta- & para-Xylene (mg/kg)			<0.050		
	Xylenes (mg/kg)			<0.075		
	Surrogate: 4-Bromofluorobenzene (SS) (%)			90.8		
Surrogate: 1,4-Difluorobenzene (SS) (%)			84.6			
Hydrocarbons	EPH10-19 (mg/kg)			<200		
	EPH19-32 (mg/kg)			<200		
	LEPH (mg/kg)			<200		
	HEPH (mg/kg)			<200		
	Surrogate: 2-Bromobenzotrifluoride (%)			97.2		
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/kg)			<0.0050		
	Acenaphthylene (mg/kg)			<0.0050		
	Anthracene (mg/kg)			<0.0040		
	Benz(a)anthracene (mg/kg)			<0.010		
	Benzo(a)pyrene (mg/kg)			<0.010		
	Benzo(b&j)fluoranthene (mg/kg)			<0.010		
	Benzo(b+j+k)fluoranthene (mg/kg)			<0.015		
	Benzo(g,h,i)perylene (mg/kg)			0.011		
	Benzo(k)fluoranthene (mg/kg)			<0.010		
	Chrysene (mg/kg)			<0.010		
	Dibenz(a,h)anthracene (mg/kg)			<0.0050		
	Fluoranthene (mg/kg)			<0.010		
	Fluorene (mg/kg)			<0.010		
	Indeno(1,2,3-c,d)pyrene (mg/kg)			<0.010		
	1-Methylnaphthalene (mg/kg)			<0.050		
	2-Methylnaphthalene (mg/kg)			<0.010		
	Naphthalene (mg/kg)			<0.010		
Phenanthrene (mg/kg)			<0.010			
Pyrene (mg/kg)			<0.010			
Quinoline (mg/kg)			<0.050			

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L2148903-31	L2148903-32	L2148903-33	L2148903-34	L2148903-35
		Description	Sediment	Sediment	Sediment	Sediment	Sediment
		Sampled Date	11-AUG-18	11-AUG-18	11-AUG-18	12-AUG-18	12-AUG-18
		Sampled Time	17:00	17:05	17:10	12:15	12:20
		Client ID	SC-2-1	SC-2-2	SC-2-3	SC-3-1	SC-3-2
Grouping	Analyte						
SOIL							
Volatile Organic Compounds	Toluene (mg/kg)		<0.050			<0.050	
	1,1,1-Trichloroethane (mg/kg)		<0.050			<0.050	
	1,1,2-Trichloroethane (mg/kg)		<0.050			<0.050	
	Trichloroethylene (mg/kg)		<0.010			<0.010	
	Trichlorofluoromethane (mg/kg)		<0.10			<0.10	
	Vinyl Chloride (mg/kg)		<0.10			<0.10	
	ortho-Xylene (mg/kg)		<0.050			<0.050	
	meta- & para-Xylene (mg/kg)		<0.050			<0.050	
	Xylenes (mg/kg)		<0.075			<0.075	
	Surrogate: 4-Bromofluorobenzene (SS) (%)		82.4			83.5	
Surrogate: 1,4-Difluorobenzene (SS) (%)		72.3			83.9		
Hydrocarbons	EPH10-19 (mg/kg)		<200			<200	
	EPH19-32 (mg/kg)		<200			<200	
	LEPH (mg/kg)		<200			<200	
	HEPH (mg/kg)		<200			<200	
	Surrogate: 2-Bromobenzotrifluoride (%)		95.1			101.7	
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/kg)		<0.0050			<0.0050	
	Acenaphthylene (mg/kg)		<0.0050			<0.0050	
	Anthracene (mg/kg)		<0.0040			<0.0040	
	Benz(a)anthracene (mg/kg)		<0.010			<0.010	
	Benzo(a)pyrene (mg/kg)		<0.010			<0.010	
	Benzo(b&j)fluoranthene (mg/kg)		<0.010			<0.010	
	Benzo(b+j+k)fluoranthene (mg/kg)		<0.015			<0.015	
	Benzo(g,h,i)perylene (mg/kg)		<0.010			<0.010	
	Benzo(k)fluoranthene (mg/kg)		<0.010			<0.010	
	Chrysene (mg/kg)		<0.010			<0.010	
	Dibenz(a,h)anthracene (mg/kg)		<0.0050			<0.0050	
	Fluoranthene (mg/kg)		<0.010			<0.010	
	Fluorene (mg/kg)		<0.010			<0.010	
	Indeno(1,2,3-c,d)pyrene (mg/kg)		<0.010			<0.010	
	1-Methylnaphthalene (mg/kg)		<0.050			<0.050	
	2-Methylnaphthalene (mg/kg)		<0.010			<0.010	
	Naphthalene (mg/kg)		<0.010			<0.010	
Phenanthrene (mg/kg)		<0.010			<0.010		
Pyrene (mg/kg)		<0.010			<0.010		
Quinoline (mg/kg)		<0.050			<0.050		

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L2148903-36 Sediment 12-AUG-18 12:25 SC-3-3	L2148903-37 Sediment 12-AUG-18 12:45 SC-4-1	L2148903-38 Sediment 12-AUG-18 12:50 SC-4-2	L2148903-39 Sediment 12-AUG-18 12:55 SC-4-3	L2148903-40 Sediment 12-AUG-18 13:30 SC-5-1
Grouping	Analyte					
SOIL						
Volatile Organic Compounds	Toluene (mg/kg)				<0.075 ^{DLHM}	<0.050
	1,1,1-Trichloroethane (mg/kg)				<0.050	<0.050
	1,1,2-Trichloroethane (mg/kg)				<0.050	<0.050
	Trichloroethylene (mg/kg)				<0.010	<0.010
	Trichlorofluoromethane (mg/kg)				<0.10	<0.10
	Vinyl Chloride (mg/kg)				<0.10	<0.10
	ortho-Xylene (mg/kg)				<0.050	<0.050
	meta- & para-Xylene (mg/kg)				<0.050	<0.050
	Xylenes (mg/kg)				<0.075	<0.075
	Surrogate: 4-Bromofluorobenzene (SS) (%)				90.5	91.0
Surrogate: 1,4-Difluorobenzene (SS) (%)				90.7	86.6	
Hydrocarbons	EPH10-19 (mg/kg)				<200	<200
	EPH19-32 (mg/kg)				<200	<200
	LEPH (mg/kg)				<200	<200
	HEPH (mg/kg)				<200	<200
	Surrogate: 2-Bromobenzotrifluoride (%)				97.2	93.7
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/kg)				<0.0050	<0.0050
	Acenaphthylene (mg/kg)				<0.0050	<0.0050
	Anthracene (mg/kg)				<0.0040	<0.0040
	Benz(a)anthracene (mg/kg)				<0.010	<0.010
	Benzo(a)pyrene (mg/kg)				<0.010	<0.010
	Benzo(b&j)fluoranthene (mg/kg)				<0.010	<0.010
	Benzo(b+j+k)fluoranthene (mg/kg)				<0.015	<0.015
	Benzo(g,h,i)perylene (mg/kg)				<0.010	<0.010
	Benzo(k)fluoranthene (mg/kg)				<0.010	<0.010
	Chrysene (mg/kg)				<0.010	<0.010
	Dibenz(a,h)anthracene (mg/kg)				<0.0050	<0.0050
	Fluoranthene (mg/kg)				<0.010	<0.010
	Fluorene (mg/kg)				<0.010	<0.010
	Indeno(1,2,3-c,d)pyrene (mg/kg)				<0.010	<0.010
	1-Methylnaphthalene (mg/kg)				<0.050	<0.050
	2-Methylnaphthalene (mg/kg)				<0.010	<0.010
	Naphthalene (mg/kg)				<0.010	<0.010
Phenanthrene (mg/kg)				<0.010	<0.010	
Pyrene (mg/kg)				<0.010	<0.010	
Quinoline (mg/kg)				<0.050	<0.050	

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L2148903-41 Sediment 12-AUG-18 13:35 SC-5-2	L2148903-42 Sediment 12-AUG-18 13:40 SC-5-3	L2148903-43 Sediment 12-AUG-18 15:35 BE-2-1	L2148903-44 Sediment 12-AUG-18 15:40 BE-2-2	L2148903-45 Sediment 12-AUG-18 15:45 BE-2-3
Grouping	Analyte					
SOIL						
Volatile Organic Compounds	Toluene (mg/kg)			<0.050		
	1,1,1-Trichloroethane (mg/kg)			<0.050		
	1,1,2-Trichloroethane (mg/kg)			<0.050		
	Trichloroethylene (mg/kg)			<0.010		
	Trichlorofluoromethane (mg/kg)			<0.10		
	Vinyl Chloride (mg/kg)			<0.10		
	ortho-Xylene (mg/kg)			<0.050		
	meta- & para-Xylene (mg/kg)			<0.050		
	Xylenes (mg/kg)			<0.075		
	Surrogate: 4-Bromofluorobenzene (SS) (%)			98.7		
Surrogate: 1,4-Difluorobenzene (SS) (%)			98.7			
Hydrocarbons	EPH10-19 (mg/kg)			<200		
	EPH19-32 (mg/kg)			<200		
	LEPH (mg/kg)			<200		
	HEPH (mg/kg)			<200		
	Surrogate: 2-Bromobenzotrifluoride (%)			95.1		
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/kg)			<0.0050		
	Acenaphthylene (mg/kg)			<0.0050		
	Anthracene (mg/kg)			<0.0040		
	Benz(a)anthracene (mg/kg)			<0.010		
	Benzo(a)pyrene (mg/kg)			<0.010		
	Benzo(b&j)fluoranthene (mg/kg)			<0.010		
	Benzo(b+j+k)fluoranthene (mg/kg)			<0.015		
	Benzo(g,h,i)perylene (mg/kg)			<0.010		
	Benzo(k)fluoranthene (mg/kg)			<0.010		
	Chrysene (mg/kg)			<0.010		
	Dibenz(a,h)anthracene (mg/kg)			<0.0050		
	Fluoranthene (mg/kg)			<0.010		
	Fluorene (mg/kg)			<0.010		
	Indeno(1,2,3-c,d)pyrene (mg/kg)			<0.010		
	1-Methylnaphthalene (mg/kg)			<0.050		
	2-Methylnaphthalene (mg/kg)			<0.010		
	Naphthalene (mg/kg)			<0.010		
Phenanthrene (mg/kg)			<0.010			
Pyrene (mg/kg)			<0.010			
Quinoline (mg/kg)			<0.050			

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L2148903-46	L2148903-47	L2148903-48	L2148903-49	L2148903-50
		Description	Sediment	Sediment	Sediment	Sediment	Sediment
		Sampled Date	12-AUG-18	12-AUG-18	12-AUG-18	12-AUG-18	12-AUG-18
		Sampled Time	16:00	16:05	16:10	14:05	14:10
		Client ID	BE-5-1	BE-5-2	BE-5-3	SN-1-1	SN-1-2
Grouping	Analyte						
SOIL							
Volatile Organic Compounds	Toluene (mg/kg)		0.106			<0.050	
	1,1,1-Trichloroethane (mg/kg)		<0.050			<0.050	
	1,1,2-Trichloroethane (mg/kg)		<0.050			<0.050	
	Trichloroethylene (mg/kg)		<0.010			<0.010	
	Trichlorofluoromethane (mg/kg)		<0.10			<0.10	
	Vinyl Chloride (mg/kg)		<0.10			<0.10	
	ortho-Xylene (mg/kg)		<0.050			<0.050	
	meta- & para-Xylene (mg/kg)		<0.050			<0.050	
	Xylenes (mg/kg)		<0.075			<0.075	
	Surrogate: 4-Bromofluorobenzene (SS) (%)		115.8			79.3	
Surrogate: 1,4-Difluorobenzene (SS) (%)		125.6			72.9		
Hydrocarbons	EPH10-19 (mg/kg)		<200			<200	
	EPH19-32 (mg/kg)		<200			<200	
	LEPH (mg/kg)		<200			<200	
	HEPH (mg/kg)		<200			<200	
	Surrogate: 2-Bromobenzotrifluoride (%)		97.1			93.0	
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/kg)		<0.0050			<0.0050	
	Acenaphthylene (mg/kg)		<0.0050			<0.0050	
	Anthracene (mg/kg)		<0.0040			<0.0040	
	Benzo(a)anthracene (mg/kg)		<0.010			<0.010	
	Benzo(a)pyrene (mg/kg)		<0.010			<0.010	
	Benzo(b&j)fluoranthene (mg/kg)		<0.010			<0.010	
	Benzo(b+j+k)fluoranthene (mg/kg)		<0.015			<0.015	
	Benzo(g,h,i)perylene (mg/kg)		<0.010			<0.010	
	Benzo(k)fluoranthene (mg/kg)		<0.010			<0.010	
	Chrysene (mg/kg)		<0.010			<0.010	
	Dibenz(a,h)anthracene (mg/kg)		<0.0050			<0.0050	
	Fluoranthene (mg/kg)		<0.010			<0.010	
	Fluorene (mg/kg)		<0.010			<0.010	
	Indeno(1,2,3-c,d)pyrene (mg/kg)		<0.010			<0.010	
	1-Methylnaphthalene (mg/kg)		<0.050			<0.050	
	2-Methylnaphthalene (mg/kg)		<0.010			<0.010	
	Naphthalene (mg/kg)		<0.010			<0.010	
Phenanthrene (mg/kg)		<0.010			<0.010		
Pyrene (mg/kg)		<0.010			<0.010		
Quinoline (mg/kg)		<0.050			<0.050		

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L2148903-51 Sediment 12-AUG-18 14:15 SN-1-3	L2148903-52 Sediment 12-AUG-18 14:25 SN-2-1	L2148903-53 Sediment 12-AUG-18 14:30 SN-2-2	L2148903-54 Sediment 12-AUG-18 14:35 SN-2-3	L2148903-55 Sediment 13-AUG-18 11:00 SN-3-1
Grouping	Analyte					
SOIL						
Volatile Organic Compounds	Toluene (mg/kg)		<0.050			<0.050
	1,1,1-Trichloroethane (mg/kg)		<0.050			<0.050
	1,1,2-Trichloroethane (mg/kg)		<0.050			<0.050
	Trichloroethylene (mg/kg)		<0.010			<0.010
	Trichlorofluoromethane (mg/kg)		<0.10			<0.10
	Vinyl Chloride (mg/kg)		<0.10			<0.10
	ortho-Xylene (mg/kg)		<0.050			<0.050
	meta- & para-Xylene (mg/kg)		<0.050			<0.050
	Xylenes (mg/kg)		<0.075			<0.075
	Surrogate: 4-Bromofluorobenzene (SS) (%)		86.5			73.9
Surrogate: 1,4-Difluorobenzene (SS) (%)		86.5			83.8	
Hydrocarbons	EPH10-19 (mg/kg)		<200			<200
	EPH19-32 (mg/kg)		<200			<200
	LEPH (mg/kg)		<200			<200
	HEPH (mg/kg)		<200			<200
	Surrogate: 2-Bromobenzotrifluoride (%)		92.5			91.7
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/kg)		<0.0050			<0.0050
	Acenaphthylene (mg/kg)		<0.0050			0.0060
	Anthracene (mg/kg)		<0.0040			<0.0040
	Benz(a)anthracene (mg/kg)		<0.010			0.011
	Benzo(a)pyrene (mg/kg)		<0.010			0.037
	Benzo(b&j)fluoranthene (mg/kg)		<0.010			0.035
	Benzo(b+j+k)fluoranthene (mg/kg)		<0.015			0.050
	Benzo(g,h,i)perylene (mg/kg)		<0.010			0.053
	Benzo(k)fluoranthene (mg/kg)		<0.010			0.015
	Chrysene (mg/kg)		<0.010			0.013
	Dibenz(a,h)anthracene (mg/kg)		<0.0050			0.0069
	Fluoranthene (mg/kg)		<0.010			<0.010
	Fluorene (mg/kg)		<0.010			<0.010
	Indeno(1,2,3-c,d)pyrene (mg/kg)		<0.010			0.049
	1-Methylnaphthalene (mg/kg)		<0.050			<0.050
	2-Methylnaphthalene (mg/kg)		<0.010			<0.010
	Naphthalene (mg/kg)		<0.010			<0.010
Phenanthrene (mg/kg)		<0.010			<0.010	
Pyrene (mg/kg)		<0.010			<0.010	
Quinoline (mg/kg)		<0.050			<0.050	

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L2148903-56 Sediment 13-AUG-18 11:05 SN-3-2	L2148903-57 Sediment 13-AUG-18 11:10 SN-3-3	L2148903-58 Sediment 13-AUG-18 11:45 SN-4-1	L2148903-59 Sediment 13-AUG-18 11:50 SN-4-2	L2148903-60 Sediment 13-AUG-18 11:55 SN-4-3
Grouping	Analyte					
SOIL						
Volatile Organic Compounds	Toluene (mg/kg)			<0.050		
	1,1,1-Trichloroethane (mg/kg)			<0.050		
	1,1,2-Trichloroethane (mg/kg)			<0.050		
	Trichloroethylene (mg/kg)			<0.010		
	Trichlorofluoromethane (mg/kg)			<0.10		
	Vinyl Chloride (mg/kg)			<0.10		
	ortho-Xylene (mg/kg)			<0.050		
	meta- & para-Xylene (mg/kg)			<0.050		
	Xylenes (mg/kg)			<0.075		
	Surrogate: 4-Bromofluorobenzene (SS) (%)			82.0		
	Surrogate: 1,4-Difluorobenzene (SS) (%)			94.1		
Hydrocarbons	EPH10-19 (mg/kg)			<200		
	EPH19-32 (mg/kg)			<200		
	LEPH (mg/kg)			<200		
	HEPH (mg/kg)			<200		
	Surrogate: 2-Bromobenzotrifluoride (%)			88.9		
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/kg)			<0.0050		
	Acenaphthylene (mg/kg)			<0.0050		
	Anthracene (mg/kg)			<0.0040		
	Benz(a)anthracene (mg/kg)			<0.010		
	Benzo(a)pyrene (mg/kg)			<0.010		
	Benzo(b&j)fluoranthene (mg/kg)			<0.010		
	Benzo(b+j+k)fluoranthene (mg/kg)			<0.015		
	Benzo(g,h,i)perylene (mg/kg)			<0.010		
	Benzo(k)fluoranthene (mg/kg)			<0.010		
	Chrysene (mg/kg)			<0.010		
	Dibenz(a,h)anthracene (mg/kg)			<0.0050		
	Fluoranthene (mg/kg)			<0.010		
	Fluorene (mg/kg)			<0.010		
	Indeno(1,2,3-c,d)pyrene (mg/kg)			<0.010		
	1-Methylnaphthalene (mg/kg)			<0.050		
	2-Methylnaphthalene (mg/kg)			<0.010		
	Naphthalene (mg/kg)			<0.010		
	Phenanthrene (mg/kg)			<0.010		
	Pyrene (mg/kg)			<0.010		
	Quinoline (mg/kg)			<0.050		

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L2148903-61 Sediment 13-AUG-18 12:30 SN-5-1	L2148903-62 Sediment 13-AUG-18 12:35 SN-5-2	L2148903-63 Sediment 13-AUG-18 12:40 SN-5-3	L2148903-64 Sediment 13-AUG-18 DUP-A	L2148903-65 Sediment 13-AUG-18 DUP-B
Grouping	Analyte					
SOIL						
Volatile Organic Compounds	Toluene (mg/kg)	<0.050				
	1,1,1-Trichloroethane (mg/kg)	<0.050				
	1,1,2-Trichloroethane (mg/kg)	<0.050				
	Trichloroethylene (mg/kg)	<0.010				
	Trichlorofluoromethane (mg/kg)	<0.10				
	Vinyl Chloride (mg/kg)	<0.10				
	ortho-Xylene (mg/kg)	<0.050				
	meta- & para-Xylene (mg/kg)	<0.050				
	Xylenes (mg/kg)	<0.075				
	Surrogate: 4-Bromofluorobenzene (SS) (%)	71.2				
Surrogate: 1,4-Difluorobenzene (SS) (%)	72.0					
Hydrocarbons	EPH10-19 (mg/kg)	<200				
	EPH19-32 (mg/kg)	<200				
	LEPH (mg/kg)	<200				
	HEPH (mg/kg)	<200				
	Surrogate: 2-Bromobenzotrifluoride (%)	90.2				
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/kg)	<0.0050				
	Acenaphthylene (mg/kg)	<0.0050				
	Anthracene (mg/kg)	<0.0040				
	Benzo(a)anthracene (mg/kg)	<0.010				
	Benzo(a)pyrene (mg/kg)	<0.010				
	Benzo(b&j)fluoranthene (mg/kg)	<0.010				
	Benzo(b+j+k)fluoranthene (mg/kg)	<0.015				
	Benzo(g,h,i)perylene (mg/kg)	<0.010				
	Benzo(k)fluoranthene (mg/kg)	<0.010				
	Chrysene (mg/kg)	<0.010				
	Dibenz(a,h)anthracene (mg/kg)	<0.0050				
	Fluoranthene (mg/kg)	<0.010				
	Fluorene (mg/kg)	<0.010				
	Indeno(1,2,3-c,d)pyrene (mg/kg)	<0.010				
	1-Methylnaphthalene (mg/kg)	<0.050				
	2-Methylnaphthalene (mg/kg)	<0.010				
	Naphthalene (mg/kg)	<0.010				
	Phenanthrene (mg/kg)	<0.010				
Pyrene (mg/kg)	<0.010					
Quinoline (mg/kg)	<0.050					

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L2148903-66 Sediment 13-AUG-18 DUP-C	L2148903-67 Sediment 13-AUG-18 DUP-D	L2148903-68 Sediment 13-AUG-18 DUP-E	L2148903-69 Sediment 13-AUG-18 DUP-F
Grouping	Analyte				
SOIL					
Volatile Organic Compounds	Toluene (mg/kg) 1,1,1-Trichloroethane (mg/kg) 1,1,2-Trichloroethane (mg/kg) Trichloroethylene (mg/kg) Trichlorofluoromethane (mg/kg) Vinyl Chloride (mg/kg) ortho-Xylene (mg/kg) meta- & para-Xylene (mg/kg) Xylenes (mg/kg) Surrogate: 4-Bromofluorobenzene (SS) (%) Surrogate: 1,4-Difluorobenzene (SS) (%)				
Hydrocarbons	EPH10-19 (mg/kg) EPH19-32 (mg/kg) LEPH (mg/kg) HEPH (mg/kg) Surrogate: 2-Bromobenzotrifluoride (%)				
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/kg) Acenaphthylene (mg/kg) Anthracene (mg/kg) Benz(a)anthracene (mg/kg) Benzo(a)pyrene (mg/kg) Benzo(b&j)fluoranthene (mg/kg) Benzo(b+j+k)fluoranthene (mg/kg) Benzo(g,h,i)perylene (mg/kg) Benzo(k)fluoranthene (mg/kg) Chrysene (mg/kg) Dibenz(a,h)anthracene (mg/kg) Fluoranthene (mg/kg) Fluorene (mg/kg) Indeno(1,2,3-c,d)pyrene (mg/kg) 1-Methylnaphthalene (mg/kg) 2-Methylnaphthalene (mg/kg) Naphthalene (mg/kg) Phenanthrene (mg/kg) Pyrene (mg/kg) Quinoline (mg/kg)				

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L2148903-1	L2148903-2	L2148903-3	L2148903-4	L2148903-5
		Description	Sediment	Sediment	Sediment	Sediment	Sediment
		Sampled Date	11-AUG-18	11-AUG-18	11-AUG-18	11-AUG-18	11-AUG-18
		Sampled Time	13:35	13:40	13:45	12:55	13:00
		Client ID	SW-1-1	SW-1-2	SW-1-3	SW-2-1	SW-2-2
Grouping	Analyte						
SOIL							
Polycyclic Aromatic Hydrocarbons	Surrogate: Acenaphthene d10 (%)	91.1				88.0	
	Surrogate: Chrysene d12 (%)	106.1				99.2	
	Surrogate: Naphthalene d8 (%)	90.4				85.7	
	Surrogate: Phenanthrene d10 (%)	103.8				94.1	
	B(a)P Total Potency Equivalent (mg/kg)	<0.020				<0.020	
	IACR (CCME) (mg/kg)	<0.15				<0.15	

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L2148903-6	L2148903-7	L2148903-8	L2148903-9	L2148903-10
		Description	Sediment	Sediment	Sediment	Sediment	Sediment
		Sampled Date	11-AUG-18	11-AUG-18	11-AUG-18	11-AUG-18	11-AUG-18
		Sampled Time	13:05	12:35	12:40	12:45	11:40
		Client ID	SW-2-3	SW-3-1	SW-3-2	SW-3-3	SW-4-1
Grouping	Analyte						
SOIL							
Polycyclic Aromatic Hydrocarbons	Surrogate: Acenaphthene d10 (%)			92.5			87.5
	Surrogate: Chrysene d12 (%)			104.8			99.1
	Surrogate: Naphthalene d8 (%)			90.7			85.6
	Surrogate: Phenanthrene d10 (%)			98.9			93.5
	B(a)P Total Potency Equivalent (mg/kg)			<0.020			<0.020
	IACR (CCME) (mg/kg)			<0.15			<0.15

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L2148903-11 Sediment 11-AUG-18 11:45 SW-4-2	L2148903-12 Sediment 11-AUG-18 11:50 SW-4-3	L2148903-13 Sediment 11-AUG-18 10:30 SW-5-1	L2148903-14 Sediment 11-AUG-18 10:35 SW-5-2	L2148903-15 Sediment 11-AUG-18 10:40 SW-5-3
Grouping	Analyte					
SOIL						
Polycyclic Aromatic Hydrocarbons	Surrogate: Acenaphthene d10 (%)			91.0		
	Surrogate: Chrysene d12 (%)			102.4		
	Surrogate: Naphthalene d8 (%)			88.6		
	Surrogate: Phenanthrene d10 (%)			96.4		
	B(a)P Total Potency Equivalent (mg/kg)			<0.020		
	IACR (CCME) (mg/kg)			<0.15		

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L2148903-16	L2148903-17	L2148903-18	L2148903-19	L2148903-20
		Description	Sediment	Sediment	Sediment	Sediment	Sediment
		Sampled Date	11-AUG-18	11-AUG-18	11-AUG-18	11-AUG-18	11-AUG-18
		Sampled Time	14:10	14:15	14:20	14:45	14:50
		Client ID	SE-1-1	SE-1-2	SE-1-3	SE-2-1	SE-2-2
Grouping	Analyte						
SOIL							
Polycyclic Aromatic Hydrocarbons	Surrogate: Acenaphthene d10 (%)	86.9				90.3	
	Surrogate: Chrysene d12 (%)	98.3				101.7	
	Surrogate: Naphthalene d8 (%)	84.8				87.2	
	Surrogate: Phenanthrene d10 (%)	92.8				97.1	
	B(a)P Total Potency Equivalent (mg/kg)	<0.020				<0.020	
	IACR (CCME) (mg/kg)	<0.15				<0.15	

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L2148903-21	L2148903-22	L2148903-23	L2148903-24	L2148903-25
		Description	Sediment	Sediment	Sediment	Sediment	Sediment
		Sampled Date	11-AUG-18	11-AUG-18	11-AUG-18	11-AUG-18	11-AUG-18
		Sampled Time	14:55	15:20	15:25	15:30	16:00
		Client ID	SE-2-3	SE-3-1	SE-3-2	SE-3-3	SE-4-1
Grouping	Analyte						
SOIL							
Polycyclic Aromatic Hydrocarbons	Surrogate: Acenaphthene d10 (%)			88.0			89.6
	Surrogate: Chrysene d12 (%)			92.3			100.3
	Surrogate: Naphthalene d8 (%)			85.9			87.6
	Surrogate: Phenanthrene d10 (%)			91.9			94.1
	B(a)P Total Potency Equivalent (mg/kg)			<0.020			<0.020
	IACR (CCME) (mg/kg)			<0.15			<0.15

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L2148903-26	L2148903-27	L2148903-28	L2148903-29	L2148903-30
		Description	Sediment	Sediment	Sediment	Sediment	Sediment
		Sampled Date	11-AUG-18	11-AUG-18	11-AUG-18	11-AUG-18	11-AUG-18
		Sampled Time	16:05	16:10	16:25	16:30	16:35
		Client ID	SE-4-2	SE-4-3	SE-5-1	SE-5-2	SE-5-3
Grouping	Analyte						
SOIL							
Polycyclic Aromatic Hydrocarbons	Surrogate: Acenaphthene d10 (%)				91.7		
	Surrogate: Chrysene d12 (%)				103.4		
	Surrogate: Naphthalene d8 (%)				86.6		
	Surrogate: Phenanthrene d10 (%)				105.2		
	B(a)P Total Potency Equivalent (mg/kg)				<0.020		
	IACR (CCME) (mg/kg)				<0.15		

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L2148903-31	L2148903-32	L2148903-33	L2148903-34	L2148903-35
		Description	Sediment	Sediment	Sediment	Sediment	Sediment
		Sampled Date	11-AUG-18	11-AUG-18	11-AUG-18	12-AUG-18	12-AUG-18
		Sampled Time	17:00	17:05	17:10	12:15	12:20
		Client ID	SC-2-1	SC-2-2	SC-2-3	SC-3-1	SC-3-2
Grouping	Analyte						
SOIL							
Polycyclic Aromatic Hydrocarbons	Surrogate: Acenaphthene d10 (%)	92.0				98.3	
	Surrogate: Chrysene d12 (%)	103.3				111.9	
	Surrogate: Naphthalene d8 (%)	88.1				95.0	
	Surrogate: Phenanthrene d10 (%)	105.4				114.4	
	B(a)P Total Potency Equivalent (mg/kg)	<0.020				<0.020	
	IACR (CCME) (mg/kg)	<0.15				<0.15	

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L2148903-36 Sediment 12-AUG-18 12:25 SC-3-3	L2148903-37 Sediment 12-AUG-18 12:45 SC-4-1	L2148903-38 Sediment 12-AUG-18 12:50 SC-4-2	L2148903-39 Sediment 12-AUG-18 12:55 SC-4-3	L2148903-40 Sediment 12-AUG-18 13:30 SC-5-1
Grouping	Analyte					
SOIL						
Polycyclic Aromatic Hydrocarbons	Surrogate: Acenaphthene d10 (%)				91.4	88.9
	Surrogate: Chrysene d12 (%)				100.1	99.1
	Surrogate: Naphthalene d8 (%)				86.6	85.0
	Surrogate: Phenanthrene d10 (%)				106.7	103.4
	B(a)P Total Potency Equivalent (mg/kg)				<0.020	<0.020
	IACR (CCME) (mg/kg)				<0.15	<0.15

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID	Description	Sampled Date	Sampled Time	Client ID	L2148903-41	L2148903-42	L2148903-43	L2148903-44	L2148903-45
					Sediment	Sediment	Sediment	Sediment	Sediment
		12-AUG-18	13:35	SC-5-2	12-AUG-18	12-AUG-18	12-AUG-18	12-AUG-18	12-AUG-18
					13:40	13:40	15:35	15:40	15:45
					SC-5-3	SC-5-3	BE-2-1	BE-2-2	BE-2-3
Grouping	Analyte								
SOIL									
Polycyclic Aromatic Hydrocarbons	Surrogate: Acenaphthene d10 (%)						96.0		
	Surrogate: Chrysene d12 (%)						114.3		
	Surrogate: Naphthalene d8 (%)						92.4		
	Surrogate: Phenanthrene d10 (%)						110.4		
	B(a)P Total Potency Equivalent (mg/kg)						<0.020		
	IACR (CCME) (mg/kg)						<0.15		

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L2148903-46	L2148903-47	L2148903-48	L2148903-49	L2148903-50
		Description	Sediment	Sediment	Sediment	Sediment	Sediment
		Sampled Date	12-AUG-18	12-AUG-18	12-AUG-18	12-AUG-18	12-AUG-18
		Sampled Time	16:00	16:05	16:10	14:05	14:10
		Client ID	BE-5-1	BE-5-2	BE-5-3	SN-1-1	SN-1-2
Grouping	Analyte						
SOIL							
Polycyclic Aromatic Hydrocarbons	Surrogate: Acenaphthene d10 (%)	96.0				92.0	
	Surrogate: Chrysene d12 (%)	110.9				122.2	
	Surrogate: Naphthalene d8 (%)	91.0				88.1	
	Surrogate: Phenanthrene d10 (%)	113.0				104.6	
	B(a)P Total Potency Equivalent (mg/kg)	<0.020				<0.020	
	IACR (CCME) (mg/kg)	<0.15				<0.15	

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L2148903-51	L2148903-52	L2148903-53	L2148903-54	L2148903-55
		Description	Sediment	Sediment	Sediment	Sediment	Sediment
		Sampled Date	12-AUG-18	12-AUG-18	12-AUG-18	12-AUG-18	13-AUG-18
		Sampled Time	14:15	14:25	14:30	14:35	11:00
		Client ID	SN-1-3	SN-2-1	SN-2-2	SN-2-3	SN-3-1
Grouping	Analyte						
SOIL							
Polycyclic Aromatic Hydrocarbons	Surrogate: Acenaphthene d10 (%)			92.5			88.6
	Surrogate: Chrysene d12 (%)			105.8			112.0
	Surrogate: Naphthalene d8 (%)			88.9			85.7
	Surrogate: Phenanthrene d10 (%)			106.3			103.8
	B(a)P Total Potency Equivalent (mg/kg)			<0.020			0.056
	IACR (CCME) (mg/kg)			<0.15			0.51

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L2148903-56	L2148903-57	L2148903-58	L2148903-59	L2148903-60
		Description	Sediment	Sediment	Sediment	Sediment	Sediment
		Sampled Date	13-AUG-18	13-AUG-18	13-AUG-18	13-AUG-18	13-AUG-18
		Sampled Time	11:05	11:10	11:45	11:50	11:55
		Client ID	SN-3-2	SN-3-3	SN-4-1	SN-4-2	SN-4-3
Grouping	Analyte						
SOIL							
Polycyclic Aromatic Hydrocarbons	Surrogate: Acenaphthene d10 (%)				89.5		
	Surrogate: Chrysene d12 (%)				109.4		
	Surrogate: Naphthalene d8 (%)				85.6		
	Surrogate: Phenanthrene d10 (%)				102.7		
	B(a)P Total Potency Equivalent (mg/kg)				<0.020		
	IACR (CCME) (mg/kg)				<0.15		

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L2148903-61	L2148903-62	L2148903-63	L2148903-64	L2148903-65
		Description	Sediment	Sediment	Sediment	Sediment	Sediment
		Sampled Date	13-AUG-18	13-AUG-18	13-AUG-18	13-AUG-18	13-AUG-18
		Sampled Time	12:30	12:35	12:40		
		Client ID	SN-5-1	SN-5-2	SN-5-3	DUP-A	DUP-B
Grouping	Analyte						
SOIL							
Polycyclic Aromatic Hydrocarbons	Surrogate: Acenaphthene d10 (%)	89.1					
	Surrogate: Chrysene d12 (%)	104.3					
	Surrogate: Naphthalene d8 (%)	85.1					
	Surrogate: Phenanthrene d10 (%)	105.1					
	B(a)P Total Potency Equivalent (mg/kg)	<0.020					
	IACR (CCME) (mg/kg)	<0.15					

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID	Description	Sampled Date	Sampled Time	Client ID				
L2148903-66	Sediment	13-AUG-18		DUP-C				
L2148903-67	Sediment	13-AUG-18		DUP-D				
L2148903-68	Sediment	13-AUG-18		DUP-E				
L2148903-69	Sediment	13-AUG-18		DUP-F				
Grouping	Analyte							
SOIL								
Polycyclic Aromatic Hydrocarbons	Surrogate: Acenaphthene d10 (%)							
	Surrogate: Chrysene d12 (%)							
	Surrogate: Naphthalene d8 (%)							
	Surrogate: Phenanthrene d10 (%)							
	B(a)P Total Potency Equivalent (mg/kg)							
	IACR (CCME) (mg/kg)							

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

Reference Information

Qualifiers for Individual Samples Listed:

Sample Number	Client Sample ID	Qualifier	Description
L2148903-12	SW-4-3	PSAL	Limited sample was available for PSA (100g minimum is standard). Measurement Uncertainty for PSA results may be higher than usual.
L2148903-13	SW-5-1	PSAL	Limited sample was available for PSA (100g minimum is standard). Measurement Uncertainty for PSA results may be higher than usual.
L2148903-14	SW-5-2	PSAL	Limited sample was available for PSA (100g minimum is standard). Measurement Uncertainty for PSA results may be higher than usual.
L2148903-15	SW-5-3	PSAL	Limited sample was available for PSA (100g minimum is standard). Measurement Uncertainty for PSA results may be higher than usual.
L2148903-17	SE-1-2	PSAL	Limited sample was available for PSA (100g minimum is standard). Measurement Uncertainty for PSA results may be higher than usual.
L2148903-19	SE-2-1	PSAL	Limited sample was available for PSA (100g minimum is standard). Measurement Uncertainty for PSA results may be higher than usual.
L2148903-34	SC-3-1	PSAL	Limited sample was available for PSA (100g minimum is standard). Measurement Uncertainty for PSA results may be higher than usual.
L2148903-35	SC-3-2	PSAL	Limited sample was available for PSA (100g minimum is standard). Measurement Uncertainty for PSA results may be higher than usual.
L2148903-38	SC-4-2	PSAL	Limited sample was available for PSA (100g minimum is standard). Measurement Uncertainty for PSA results may be higher than usual.
L2148903-39	SC-4-3	PSAL	Limited sample was available for PSA (100g minimum is standard). Measurement Uncertainty for PSA results may be higher than usual.

QC Samples with Qualifiers & Comments:

QC Type Description	Parameter	Qualifier	Applies to Sample Number(s)
Laboratory Control Sample	1,1-Dichloroethylene	LCS-ND	L2148903-1
Laboratory Control Sample	1,3-Dichlorobenzene	LCS-ND	L2148903-1
Laboratory Control Sample	1,4-Dichlorobenzene	LCS-ND	L2148903-1
Laboratory Control Sample	Carbon Tetrachloride	LCS-ND	L2148903-1
Laboratory Control Sample	Chloroform	LCS-ND	L2148903-13, -16, -19, -22, -25, -28, -31, -34, -40, -43, -46, -49, -52, -55, -58, -61, -7
Laboratory Control Sample	Trichloroethylene	LCS-ND	L2148903-1
Laboratory Control Sample	cis-1,2-Dichloroethylene	LCS-ND	L2148903-1
Laboratory Control Sample	trans-1,2-Dichloroethylene	LCS-ND	L2148903-1
Laboratory Control Sample	Benzene	LCS-ND	L2148903-1
Laboratory Control Sample	Methyl t-butyl ether (MTBE)	LCS-ND	L2148903-1
Method Blank	Benz(a)anthracene	MB-LOR	L2148903-1, -10, -13, -16, -25, -4, -7
Method Blank	Benzo(a)pyrene	MB-LOR	L2148903-1, -10, -13, -16, -25, -4, -7
Method Blank	Benzo(b&j)fluoranthene	MB-LOR	L2148903-1, -10, -13, -16, -25, -4, -7
Method Blank	Benzo(g,h,i)perylene	MB-LOR	L2148903-1, -10, -13, -16, -25, -4, -7
Method Blank	Benzo(k)fluoranthene	MB-LOR	L2148903-1, -10, -13, -16, -25, -4, -7
Method Blank	Chrysene	MB-LOR	L2148903-1, -10, -13, -16, -25, -4, -7
Method Blank	Dibenz(a,h)anthracene	MB-LOR	L2148903-1, -10, -13, -16, -25, -4, -7
Method Blank	Fluoranthene	MB-LOR	L2148903-1, -10, -13, -16, -25, -4, -7
Method Blank	Indeno(1,2,3-c,d)pyrene	MB-LOR	L2148903-1, -10, -13, -16, -25, -4, -7
Method Blank	Pyrene	MB-LOR	L2148903-1, -10, -13, -16, -25, -4, -7
Certified Reference Material	Titanium (Ti)	MES	L2148903-50, -51, -53, -54

Qualifiers for Individual Parameters Listed:

Qualifier	Description
DLHM	Detection Limit Adjusted: Sample has High Moisture Content
DLQ	Detection Limit raised due to co-eluting interference. GCMS qualifier ion ratio did not meet acceptance criteria.
LCS-ND	Lab Control Sample recovery was slightly outside ALS DQO. Reported non-detect results for associated samples were unaffected.
MB-LOR	Method Blank exceeds ALS DQO. Limits of Reporting have been adjusted for samples with positive hits below 5x blank level.
MES	Data Quality Objective was marginally exceeded (by < 10% absolute) for < 10% of analytes in a Multi-Element Scan / Multi-Parameter Scan (considered acceptable as per OMOE & CCME).

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
C-TIC-PCT-SK	Soil	Total Inorganic Carbon in Soil	CSSS (2008) P216-217

Reference Information

A known quantity of acetic acid is consumed by reaction with carbonates in the soil. The pH of the resulting solution is measured and compared against a standard curve relating pH to weight of carbonate.

C-TOC-CALC-SK Soil Total Organic Carbon Calculation CSSS (2008) 21.2

Total Organic Carbon (TOC) is calculated by the difference between total carbon (TC) and total inorganic carbon. (TIC)

C-TOT-LECO-SK Soil Total Carbon by combustion method CSSS (2008) 21.2

The sample is ignited in a combustion analyzer where carbon in the reduced CO₂ gas is determined using a thermal conductivity detector.

EPH-TUMB-FID-VA Soil EPH in Solids by Tumbler and GCFID BC MOE EPH GCFID

Analysis is in accordance with BC MOE Lab Manual method "Extractable Petroleum Hydrocarbons in Solids by GC/FID", v2.1, July 1999. Soil samples are extracted with a 1:1 mixture of hexane and acetone using a rotary extraction technique modified from EPA 3570 prior to gas chromatography with flame ionization detection (GC-FID). EPH results include Polycyclic Aromatic Hydrocarbons (PAH) and are therefore not equivalent to Light and Heavy Extractable Petroleum Hydrocarbons (LEPH/HEPH).

HG-200.2-CVAF-VA Soil Mercury in Soil by CVAAS EPA 200.2/1631E (mod)

Soil samples are digested with hot nitric and hydrochloric acids, followed by CVAAS analysis. This method is fully compliant with the BC SALM strong acid leachable metals digestion method.

IC-CACO3-CALC-SK Soil Inorganic Carbon as CaCO₃ Equivalent Calculation

LEPH/HEPH-CALC-VA Soil LEPHs and HEPHs BC MOE LEPH/HEPH

LEPHs and HEPHs are measures of Light and Heavy Extractable Petroleum Hydrocarbons in soil. Results are calculated by subtraction of applicable PAH concentrations from EPH10-19 and EPH19-32, as per the BC Lab Manual LEPH/HEPH calculation procedure.

LEPHs = EPH10-19 minus Acenaphthene, Acridine, Anthracene, Fluorene, Naphthalene and Phenanthrene.

HEPHs = EPH19-32 minus Benz(a)anthracene, Benzo(a)pyrene, Fluoranthene, and Pyrene.

MET-200.2-CCMS-VA Soil Metals in Soil by CRC ICPMS EPA 200.2/6020A (mod)

This method uses a heated strong acid digestion with HNO₃ and HCl and is intended to liberate metals that may be environmentally available. Silicate minerals are not solubilized. Dependent on sample matrix, some metals may be only partially recovered, including Al, Ba, Be, Cr, Sr, Ti, Tl, V, W, and Zr. Volatile forms of sulfur (including sulfide) may not be captured, as they may be lost during sampling, storage, or digestion. Analysis is by Collision/Reaction Cell ICPMS.

MOISTURE-VA Soil Moisture content CWS for PHC in Soil - Tier 1

This analysis is carried out gravimetrically by drying the sample at 105 C for a minimum of six hours.

PAH-TMB-H/A-MS-VA Soil PAH - Rotary Extraction (Hexane/Acetone) EPA 3570/8270

This analysis is carried out using procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846, Methods 3570 & 8270, published by the United States Environmental Protection Agency (EPA). The procedure uses a mechanical shaking technique to extract a subsample of the sediment/soil with a 1:1 mixture of hexane and acetone. The extract is then solvent exchanged to toluene. The final extract is analysed by capillary column gas chromatography with mass spectrometric detection (GC/MS). Surrogate recoveries may not be reported in cases where interferences from the sample matrix prevent accurate quantitation. Because the two isomers cannot be readily chromatographically separated, benzo(j)fluoranthene is reported as part of the benzo(b)fluoranthene parameter.

Benzo(a)pyrene Total Potency Equivalents [B(a)P TPE] represents the sum of estimated cancer potency relative to B(a)P for all potentially carcinogenic unsubstituted PAHs, and is calculated as per the CCME PAH Soil Quality Guidelines reference document (2010).

PH-1:2-VA Soil pH in Soil (1:2 Soil:Water Extraction) BC WLAP METHOD: PH, ELECTROMETRIC, SOIL

This analysis is carried out in accordance with procedures described in the pH, Electrometric in Soil and Sediment method - Section B Physical/Inorganic and Misc. Constituents, BC Environmental Laboratory Manual 2007. The procedure involves mixing the dried (at <60°C) and sieved (No. 10 / 2mm) sample with deionized/distilled water at a 1:2 ratio of sediment to water. The pH of the solution is then measured using a standard pH probe.

PSA-PIPET+GRAVEL-SK Soil Particle size - Sieve and Pipette SSIR-51 METHOD 3.2.1

Particle size distribution is determined by a combination of techniques. Dry sieving is performed for coarse particles, wet sieving for sand particles and the pipette sedimentation method for clay particles.

Reference:

Burt, R. (2009). Soil Survey Field and Laboratory Methods Manual. Soil Survey Investigations Report No. 5. Method 3.2.1.2.2. United States Department of Agriculture Natural Resources Conservation Service.

VOC-HSMS-VA Soil VOCs in soil by Headspace GCMS EPA 5035A/5021A/8260C

The soil methanol extract is added to water and reagents, then heated in a sealed vial to equilibrium. The headspace from the vial is transferred into a gas chromatograph. Target compound concentrations are measured using mass spectrometry detection.

VOC7-L-HSMS-VA Soil VOCs in soil by Headspace GCMS EPA 5035A/5021A/8260C

Reference Information

The soil methanol extract is added to water and reagents, then heated in a sealed vial to equilibrium. The headspace from the vial is transferred into a gas chromatograph. Target compound concentrations are measured using mass spectrometry detection.

VOC7/VOC-SURR-MS-VA	Soil	VOC7 and/or VOC Surrogates for Soils	EPA 5035A/5021A/8260C
XYLENES-CALC-VA	Soil	Sum of Xylene Isomer Concentrations	EPA 8260B & 524.2

Calculation of Total Xylenes

Total Xylenes is the sum of the concentrations of the ortho, meta, and para Xylene isomers. Results below detection limit (DL) are treated as zero. The DL for Total Xylenes is set to a value no less than the square root of the sum of the squares of the DLs of the individual Xylenes.

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

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

Laboratory Definition Code	Laboratory Location
SK	ALS ENVIRONMENTAL - SASKATOON, SASKATCHEWAN, CANADA
VA	ALS ENVIRONMENTAL - VANCOUVER, BRITISH COLUMBIA, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogate - A compound that is similar in behaviour to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

mg/kg - milligrams per kilogram based on dry weight of sample.

mg/kg wwt - milligrams per kilogram based on wet weight of sample.

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight of sample.

mg/L - milligrams per litre.

< - Less than.

D.L. - The reported Detection Limit, also known as the Limit of Reporting (LOR).

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

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Client: GOLDER ASSOCIATES LTD.
3795 Carey Road, Second Floor
Victoria BC V8Z 6T8

Contact: John Sherrin / Arman Ospan

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
C-TIC-PCT-SK		Soil						
Batch R4181245								
WG2855903-1	DUP	L2148903-10						
Inorganic Carbon		0.983	0.975		%	0.8	20	23-AUG-18
WG2855903-2	LCS							
Inorganic Carbon			101.3		%		80-120	23-AUG-18
WG2855903-3	MB							
Inorganic Carbon			<0.050		%		0.05	23-AUG-18
Batch R4182435								
WG2855906-1	DUP	L2148903-30						
Inorganic Carbon		1.51	1.47		%	2.8	20	24-AUG-18
WG2855906-2	LCS							
Inorganic Carbon			97.2		%		80-120	24-AUG-18
WG2855906-3	MB							
Inorganic Carbon			<0.050		%		0.05	24-AUG-18
Batch R4182437								
WG2855909-1	DUP	L2148903-50						
Inorganic Carbon		1.63	1.62		%	0.8	20	24-AUG-18
WG2855909-2	LCS							
Inorganic Carbon			97.3		%		80-120	24-AUG-18
WG2855909-3	MB							
Inorganic Carbon			<0.050		%		0.05	24-AUG-18
Batch R4182440								
WG2855910-1	DUP	L2148903-65						
Inorganic Carbon		1.10	1.06		%	3.6	20	24-AUG-18
WG2855910-2	LCS							
Inorganic Carbon			100.4		%		80-120	24-AUG-18
WG2855910-3	MB							
Inorganic Carbon			<0.050		%		0.05	24-AUG-18
C-TOT-LECO-SK		Soil						
Batch R4181607								
WG2855650-1	DUP	L2148903-10						
Total Carbon by Combustion		4.36	4.61		%	5.7	20	22-AUG-18
WG2855650-2	IRM	08-109_SOIL						
Total Carbon by Combustion			92.9		%		80-120	22-AUG-18
WG2855650-4	LCS	SULFADIAZINE						
Total Carbon by Combustion			99.4		%		90-110	22-AUG-18
WG2855650-3	MB							
Total Carbon by Combustion			<0.05		%		0.05	22-AUG-18



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
C-TOT-LECO-SK								
	Soil							
Batch	R4181609							
WG2855656-1	DUP	L2148903-30						
Total Carbon by Combustion		3.40	3.49		%	2.5	20	22-AUG-18
WG2855656-2	IRM	08-109_SOIL						
Total Carbon by Combustion			97.0		%		80-120	22-AUG-18
WG2855656-4	LCS	SULFADIAZINE						
Total Carbon by Combustion			98.3		%		90-110	22-AUG-18
WG2855656-3	MB							
Total Carbon by Combustion			<0.05		%		0.05	22-AUG-18
Batch	R4181619							
WG2855659-1	DUP	L2148903-50						
Total Carbon by Combustion		4.67	4.70		%	0.6	20	22-AUG-18
WG2855659-2	IRM	08-109_SOIL						
Total Carbon by Combustion			97.0		%		80-120	22-AUG-18
WG2855659-4	LCS	SULFADIAZINE						
Total Carbon by Combustion			101.3		%		90-110	22-AUG-18
WG2855659-3	MB							
Total Carbon by Combustion			<0.05		%		0.05	22-AUG-18
Batch	R4182173							
WG2855665-1	DUP	L2148903-69						
Total Carbon by Combustion		5.42	5.34		%	1.5	20	23-AUG-18
WG2855665-2	IRM	08-109_SOIL						
Total Carbon by Combustion			108.0		%		80-120	23-AUG-18
WG2855665-4	LCS	SULFADIAZINE						
Total Carbon by Combustion			99.2		%		90-110	23-AUG-18
WG2855665-3	MB							
Total Carbon by Combustion			<0.05		%		0.05	23-AUG-18
EPH-TUMB-FID-VA								
	Soil							
Batch	R4179592							
WG2854799-3	DUP	L2148903-31						
EPH10-19		<200	<200	RPD-NA	mg/kg	N/A	40	22-AUG-18
EPH19-32		<200	<200	RPD-NA	mg/kg	N/A	40	22-AUG-18
WG2854799-2	LCS							
EPH10-19			101.6		%		70-130	22-AUG-18
EPH19-32			100.7		%		70-130	22-AUG-18
WG2854799-1	MB							
EPH10-19			<200		mg/kg		200	22-AUG-18
EPH19-32			<200		mg/kg		200	22-AUG-18
Surrogate: 2-Bromobenzotrifluoride			95.2		%		60-140	22-AUG-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
EPH-TUMB-FID-VA								
Soil								
Batch	R4179592							
WG2854799-5	MS	L2148903-34						
EPH10-19			98.5		%		60-140	22-AUG-18
EPH19-32			103.1		%		60-140	22-AUG-18
Batch	R4180642							
WG2854662-2	LCS							
EPH10-19			106.2		%		70-130	23-AUG-18
EPH19-32			110.4		%		70-130	23-AUG-18
WG2854662-1	MB							
EPH10-19			<200		mg/kg		200	23-AUG-18
EPH19-32			<200		mg/kg		200	23-AUG-18
Surrogate: 2-Bromobenzotrifluoride			110.0		%		60-140	23-AUG-18
HG-200.2-CVAF-VA								
Soil								
Batch	R4178862							
WG2854861-4	CRM	VA-CANMET-TILL1						
Mercury (Hg)			102.8		%		70-130	21-AUG-18
WG2854861-3	LCS							
Mercury (Hg)			102.4		%		80-120	21-AUG-18
WG2854861-1	MB							
Mercury (Hg)			<0.0050		mg/kg		0.005	21-AUG-18
Batch	R4180900							
WG2854756-4	CRM	VA-CANMET-TILL1						
Mercury (Hg)			97.9		%		70-130	23-AUG-18
WG2855306-4	CRM	VA-CANMET-TILL1						
Mercury (Hg)			96.8		%		70-130	23-AUG-18
WG2855862-4	CRM	VA-CANMET-TILL1						
Mercury (Hg)			98.2		%		70-130	23-AUG-18
WG2855862-2	DUP	L2148903-24						
Mercury (Hg)		0.0076	0.0070		mg/kg	7.5	40	23-AUG-18
WG2854756-3	LCS							
Mercury (Hg)			96.3		%		80-120	23-AUG-18
WG2855306-3	LCS							
Mercury (Hg)			97.5		%		80-120	23-AUG-18
WG2855862-3	LCS							
Mercury (Hg)			99.6		%		80-120	23-AUG-18
WG2854756-1	MB							
Mercury (Hg)			<0.0050		mg/kg		0.005	23-AUG-18
WG2855306-1	MB							
Mercury (Hg)			<0.0050		mg/kg		0.005	23-AUG-18



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
HG-200.2-CVAF-VA								
Soil								
Batch	R4180900							
WG2855862-1	MB							
Mercury (Hg)			<0.0050		mg/kg		0.005	23-AUG-18
Batch								
R4181963								
WG2856011-4	CRM	VA-CANMET-TILL1						
Mercury (Hg)			101.0		%		70-130	24-AUG-18
WG2856011-3	LCS							
Mercury (Hg)			95.8		%		80-120	24-AUG-18
WG2856011-1	MB							
Mercury (Hg)			<0.0050		mg/kg		0.005	24-AUG-18
Batch								
R4182661								
WG2856086-4	CRM	VA-CANMET-TILL1						
Mercury (Hg)			106.8		%		70-130	24-AUG-18
WG2856086-2	DUP	L2148903-63						
Mercury (Hg)		0.0199	0.0200		mg/kg	0.1	40	24-AUG-18
WG2856086-3	LCS							
Mercury (Hg)			108.8		%		80-120	24-AUG-18
WG2856086-1	MB							
Mercury (Hg)			<0.0050		mg/kg		0.005	24-AUG-18
MET-200.2-CCMS-VA								
Soil								
Batch								
R4179719								
WG2854861-4	CRM	VA-CANMET-TILL1						
Aluminum (Al)			107.4		%		70-130	21-AUG-18
Antimony (Sb)			105.3		%		70-130	21-AUG-18
Arsenic (As)			108.0		%		70-130	21-AUG-18
Barium (Ba)			103.9		%		70-130	21-AUG-18
Beryllium (Be)			0.54		mg/kg		0.34-0.74	21-AUG-18
Bismuth (Bi)			102.2		%		70-130	21-AUG-18
Boron (B)			3.1		mg/kg		0-8.2	21-AUG-18
Cadmium (Cd)			106.1		%		70-130	21-AUG-18
Calcium (Ca)			100.1		%		70-130	21-AUG-18
Chromium (Cr)			107.0		%		70-130	21-AUG-18
Cobalt (Co)			105.8		%		70-130	21-AUG-18
Copper (Cu)			106.5		%		70-130	21-AUG-18
Iron (Fe)			107.6		%		70-130	21-AUG-18
Lead (Pb)			103.8		%		70-130	21-AUG-18
Lithium (Li)			105.0		%		70-130	21-AUG-18



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MET-200.2-CCMS-VA								
	Soil							
Batch	R4179719							
WG2854861-4	CRM	VA-CANMET-TILL1						
Magnesium (Mg)			106.0		%		70-130	21-AUG-18
Manganese (Mn)			105.6		%		70-130	21-AUG-18
Molybdenum (Mo)			103.0		%		70-130	21-AUG-18
Nickel (Ni)			106.2		%		70-130	21-AUG-18
Potassium (K)			111.3		%		70-130	21-AUG-18
Selenium (Se)			0.31		mg/kg		0.11-0.51	21-AUG-18
Silver (Ag)			0.24		mg/kg		0.13-0.33	21-AUG-18
Sodium (Na)			108.8		%		70-130	21-AUG-18
Strontium (Sr)			102.2		%		70-130	21-AUG-18
Thallium (Tl)			0.129		mg/kg		0.077-0.18	21-AUG-18
Tin (Sn)			1.0		mg/kg		0-3	21-AUG-18
Titanium (Ti)			110.3		%		70-130	21-AUG-18
Tungsten (W)			0.18		mg/kg		0-0.66	21-AUG-18
Uranium (U)			105.9		%		70-130	21-AUG-18
Vanadium (V)			106.4		%		70-130	21-AUG-18
Zinc (Zn)			103.3		%		70-130	21-AUG-18
Zirconium (Zr)			1.0		mg/kg		0-1.8	21-AUG-18
WG2854861-3	LCS							
Aluminum (Al)			104.0		%		80-120	21-AUG-18
Antimony (Sb)			102.0		%		80-120	21-AUG-18
Arsenic (As)			103.5		%		80-120	21-AUG-18
Barium (Ba)			102.4		%		80-120	21-AUG-18
Beryllium (Be)			100.4		%		80-120	21-AUG-18
Bismuth (Bi)			97.7		%		80-120	21-AUG-18
Boron (B)			97.0		%		80-120	21-AUG-18
Cadmium (Cd)			100.9		%		80-120	21-AUG-18
Calcium (Ca)			96.6		%		80-120	21-AUG-18
Chromium (Cr)			102.3		%		80-120	21-AUG-18
Cobalt (Co)			100.3		%		80-120	21-AUG-18
Copper (Cu)			101.2		%		80-120	21-AUG-18
Iron (Fe)			103.3		%		80-120	21-AUG-18
Lead (Pb)			99.2		%		80-120	21-AUG-18
Lithium (Li)			97.9		%		80-120	21-AUG-18
Magnesium (Mg)			101.6		%		80-120	21-AUG-18

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MET-200.2-CCMS-VA		Soil						
Batch	R4179719							
WG2854861-3	LCS							
Manganese (Mn)			102.4		%		80-120	21-AUG-18
Molybdenum (Mo)			102.1		%		80-120	21-AUG-18
Nickel (Ni)			101.3		%		80-120	21-AUG-18
Phosphorus (P)			106.8		%		80-120	21-AUG-18
Potassium (K)			102.5		%		80-120	21-AUG-18
Selenium (Se)			96.9		%		80-120	21-AUG-18
Silver (Ag)			99.2		%		80-120	21-AUG-18
Sodium (Na)			102.0		%		80-120	21-AUG-18
Strontium (Sr)			99.2		%		80-120	21-AUG-18
Sulfur (S)			107.7		%		80-120	21-AUG-18
Thallium (Tl)			96.8		%		80-120	21-AUG-18
Tin (Sn)			98.9		%		80-120	21-AUG-18
Titanium (Ti)			99.6		%		80-120	21-AUG-18
Tungsten (W)			99.9		%		80-120	21-AUG-18
Uranium (U)			99.4		%		80-120	21-AUG-18
Vanadium (V)			103.7		%		80-120	21-AUG-18
Zinc (Zn)			97.5		%		80-120	21-AUG-18
Zirconium (Zr)			98.0		%		70-130	21-AUG-18
WG2854861-1	MB							
Aluminum (Al)			<50		mg/kg		50	21-AUG-18
Antimony (Sb)			<0.10		mg/kg		0.1	21-AUG-18
Arsenic (As)			<0.10		mg/kg		0.1	21-AUG-18
Barium (Ba)			<0.50		mg/kg		0.5	21-AUG-18
Beryllium (Be)			<0.10		mg/kg		0.1	21-AUG-18
Bismuth (Bi)			<0.20		mg/kg		0.2	21-AUG-18
Boron (B)			<5.0		mg/kg		5	21-AUG-18
Cadmium (Cd)			<0.020		mg/kg		0.02	21-AUG-18
Calcium (Ca)			<50		mg/kg		50	21-AUG-18
Chromium (Cr)			<0.50		mg/kg		0.5	21-AUG-18
Cobalt (Co)			<0.10		mg/kg		0.1	21-AUG-18
Copper (Cu)			<0.50		mg/kg		0.5	21-AUG-18
Iron (Fe)			<50		mg/kg		50	21-AUG-18
Lead (Pb)			<0.50		mg/kg		0.5	21-AUG-18
Lithium (Li)			<2.0		mg/kg		2	21-AUG-18



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-200.2-CCMS-VA								
	Soil							
Batch	R4179719							
WG2854861-1	MB							
Magnesium (Mg)			<20		mg/kg		20	21-AUG-18
Manganese (Mn)			<1.0		mg/kg		1	21-AUG-18
Molybdenum (Mo)			<0.10		mg/kg		0.1	21-AUG-18
Nickel (Ni)			<0.50		mg/kg		0.5	21-AUG-18
Phosphorus (P)			<50		mg/kg		50	21-AUG-18
Potassium (K)			<100		mg/kg		100	21-AUG-18
Selenium (Se)			<0.20		mg/kg		0.2	21-AUG-18
Silver (Ag)			<0.10		mg/kg		0.1	21-AUG-18
Sodium (Na)			<50		mg/kg		50	21-AUG-18
Strontium (Sr)			<0.50		mg/kg		0.5	21-AUG-18
Sulfur (S)			<1000		mg/kg		1000	21-AUG-18
Thallium (Tl)			<0.050		mg/kg		0.05	21-AUG-18
Tin (Sn)			<2.0		mg/kg		2	21-AUG-18
Titanium (Ti)			<1.0		mg/kg		1	21-AUG-18
Tungsten (W)			<0.50		mg/kg		0.5	21-AUG-18
Uranium (U)			<0.050		mg/kg		0.05	21-AUG-18
Vanadium (V)			<0.20		mg/kg		0.2	21-AUG-18
Zinc (Zn)			<2.0		mg/kg		2	21-AUG-18
Zirconium (Zr)			<1.0		mg/kg		1	21-AUG-18
Batch	R4181435							
WG2854756-4	CRM	VA-CANMET-TILL1						
Aluminum (Al)			105.7		%		70-130	22-AUG-18
Antimony (Sb)			107.7		%		70-130	22-AUG-18
Arsenic (As)			102.5		%		70-130	22-AUG-18
Barium (Ba)			97.8		%		70-130	22-AUG-18
Beryllium (Be)			0.54		mg/kg		0.34-0.74	22-AUG-18
Bismuth (Bi)			99.7		%		70-130	22-AUG-18
Boron (B)			3.6		mg/kg		0-8.2	22-AUG-18
Cadmium (Cd)			102.9		%		70-130	22-AUG-18
Calcium (Ca)			108.1		%		70-130	22-AUG-18
Chromium (Cr)			107.6		%		70-130	22-AUG-18
Cobalt (Co)			102.2		%		70-130	22-AUG-18
Copper (Cu)			103.4		%		70-130	22-AUG-18
Iron (Fe)			105.5		%		70-130	22-AUG-18



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-200.2-CCMS-VA	Soil							
Batch	R4181435							
WG2854756-4 CRM		VA-CANMET-TILL1						
Lead (Pb)			99.1		%		70-130	22-AUG-18
Lithium (Li)			108.8		%		70-130	22-AUG-18
Magnesium (Mg)			109.6		%		70-130	22-AUG-18
Manganese (Mn)			104.5		%		70-130	22-AUG-18
Molybdenum (Mo)			104.6		%		70-130	22-AUG-18
Nickel (Ni)			102.7		%		70-130	22-AUG-18
Potassium (K)			116.7		%		70-130	22-AUG-18
Selenium (Se)			0.33		mg/kg		0.11-0.51	22-AUG-18
Silver (Ag)			0.25		mg/kg		0.13-0.33	22-AUG-18
Sodium (Na)			110.8		%		70-130	22-AUG-18
Strontium (Sr)			108.0		%		70-130	22-AUG-18
Thallium (Tl)			0.133		mg/kg		0.077-0.18	22-AUG-18
Tin (Sn)			1.1		mg/kg		0-3	22-AUG-18
Titanium (Ti)			122.1		%		70-130	22-AUG-18
Tungsten (W)			0.20		mg/kg		0-0.66	22-AUG-18
Uranium (U)			96.5		%		70-130	22-AUG-18
Vanadium (V)			107.0		%		70-130	22-AUG-18
Zinc (Zn)			104.1		%		70-130	22-AUG-18
Zirconium (Zr)			0.9		mg/kg		0-1.8	22-AUG-18
WG2854756-3 LCS								
Aluminum (Al)			99.2		%		80-120	22-AUG-18
Antimony (Sb)			115.0		%		80-120	22-AUG-18
Arsenic (As)			103.0		%		80-120	22-AUG-18
Barium (Ba)			101.2		%		80-120	22-AUG-18
Beryllium (Be)			103.6		%		80-120	22-AUG-18
Bismuth (Bi)			109.7		%		80-120	22-AUG-18
Boron (B)			100.4		%		80-120	22-AUG-18
Cadmium (Cd)			102.8		%		80-120	22-AUG-18
Calcium (Ca)			97.6		%		80-120	22-AUG-18
Chromium (Cr)			100.6		%		80-120	22-AUG-18
Cobalt (Co)			99.8		%		80-120	22-AUG-18
Copper (Cu)			100.0		%		80-120	22-AUG-18
Iron (Fe)			97.5		%		80-120	22-AUG-18
Lead (Pb)			107.2		%		80-120	22-AUG-18



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-200.2-CCMS-VA		Soil						
Batch	R4181435							
WG2854756-3	LCS							
Lithium (Li)			102.1		%		80-120	22-AUG-18
Magnesium (Mg)			106.3		%		80-120	22-AUG-18
Manganese (Mn)			98.7		%		80-120	22-AUG-18
Molybdenum (Mo)			101.8		%		80-120	22-AUG-18
Nickel (Ni)			98.9		%		80-120	22-AUG-18
Phosphorus (P)			98.0		%		80-120	22-AUG-18
Potassium (K)			107.3		%		80-120	22-AUG-18
Selenium (Se)			101.4		%		80-120	22-AUG-18
Silver (Ag)			99.4		%		80-120	22-AUG-18
Sodium (Na)			105.7		%		80-120	22-AUG-18
Strontium (Sr)			105.5		%		80-120	22-AUG-18
Sulfur (S)			102.3		%		80-120	22-AUG-18
Thallium (Tl)			109.1		%		80-120	22-AUG-18
Tin (Sn)			101.7		%		80-120	22-AUG-18
Titanium (Ti)			99.8		%		80-120	22-AUG-18
Tungsten (W)			101.5		%		80-120	22-AUG-18
Uranium (U)			95.7		%		80-120	22-AUG-18
Vanadium (V)			103.6		%		80-120	22-AUG-18
Zinc (Zn)			94.4		%		80-120	22-AUG-18
Zirconium (Zr)			98.7		%		70-130	22-AUG-18
WG2854756-1		MB						
Aluminum (Al)			<50		mg/kg		50	22-AUG-18
Antimony (Sb)			<0.10		mg/kg		0.1	22-AUG-18
Arsenic (As)			<0.10		mg/kg		0.1	22-AUG-18
Barium (Ba)			<0.50		mg/kg		0.5	22-AUG-18
Beryllium (Be)			<0.10		mg/kg		0.1	22-AUG-18
Bismuth (Bi)			<0.20		mg/kg		0.2	22-AUG-18
Boron (B)			<5.0		mg/kg		5	22-AUG-18
Cadmium (Cd)			<0.020		mg/kg		0.02	22-AUG-18
Calcium (Ca)			<50		mg/kg		50	22-AUG-18
Chromium (Cr)			<0.50		mg/kg		0.5	22-AUG-18
Cobalt (Co)			<0.10		mg/kg		0.1	22-AUG-18
Copper (Cu)			<0.50		mg/kg		0.5	22-AUG-18
Iron (Fe)			<50		mg/kg		50	22-AUG-18



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-200.2-CCMS-VA								
	Soil							
Batch	R4181435							
WG2854756-1	MB							
Lead (Pb)			<0.50		mg/kg		0.5	22-AUG-18
Lithium (Li)			<2.0		mg/kg		2	22-AUG-18
Magnesium (Mg)			<20		mg/kg		20	22-AUG-18
Manganese (Mn)			<1.0		mg/kg		1	22-AUG-18
Molybdenum (Mo)			<0.10		mg/kg		0.1	22-AUG-18
Nickel (Ni)			<0.50		mg/kg		0.5	22-AUG-18
Phosphorus (P)			<50		mg/kg		50	22-AUG-18
Potassium (K)			<100		mg/kg		100	22-AUG-18
Selenium (Se)			<0.20		mg/kg		0.2	22-AUG-18
Silver (Ag)			<0.10		mg/kg		0.1	22-AUG-18
Sodium (Na)			<50		mg/kg		50	22-AUG-18
Strontium (Sr)			<0.50		mg/kg		0.5	22-AUG-18
Sulfur (S)			<1000		mg/kg		1000	22-AUG-18
Thallium (Tl)			<0.050		mg/kg		0.05	22-AUG-18
Tin (Sn)			<2.0		mg/kg		2	22-AUG-18
Titanium (Ti)			<1.0		mg/kg		1	22-AUG-18
Tungsten (W)			<0.50		mg/kg		0.5	22-AUG-18
Uranium (U)			<0.050		mg/kg		0.05	22-AUG-18
Vanadium (V)			<0.20		mg/kg		0.2	22-AUG-18
Zinc (Zn)			<2.0		mg/kg		2	22-AUG-18
Zirconium (Zr)			<1.0		mg/kg		1	22-AUG-18
Batch	R4181620							
WG2855306-4	CRM	VA-CANMET-TILL1						
Aluminum (Al)			107.0		%		70-130	23-AUG-18
Antimony (Sb)			104.4		%		70-130	23-AUG-18
Arsenic (As)			106.0		%		70-130	23-AUG-18
Barium (Ba)			103.4		%		70-130	23-AUG-18
Beryllium (Be)			0.53		mg/kg		0.34-0.74	23-AUG-18
Bismuth (Bi)			99.1		%		70-130	23-AUG-18
Boron (B)			3.3		mg/kg		0-8.2	23-AUG-18
Cadmium (Cd)			103.8		%		70-130	23-AUG-18
Calcium (Ca)			107.6		%		70-130	23-AUG-18
Chromium (Cr)			108.2		%		70-130	23-AUG-18
Cobalt (Co)			104.4		%		70-130	23-AUG-18

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MET-200.2-CCMS-VA								
	Soil							
Batch	R4181620							
WG2855306-4	CRM	VA-CANMET-TILL1						
Copper (Cu)			105.1		%		70-130	23-AUG-18
Iron (Fe)			106.6		%		70-130	23-AUG-18
Lead (Pb)			99.5		%		70-130	23-AUG-18
Lithium (Li)			104.9		%		70-130	23-AUG-18
Magnesium (Mg)			107.2		%		70-130	23-AUG-18
Manganese (Mn)			100.7		%		70-130	23-AUG-18
Molybdenum (Mo)			101.6		%		70-130	23-AUG-18
Nickel (Ni)			104.0		%		70-130	23-AUG-18
Potassium (K)			116.6		%		70-130	23-AUG-18
Selenium (Se)			0.34		mg/kg		0.11-0.51	23-AUG-18
Silver (Ag)			0.24		mg/kg		0.13-0.33	23-AUG-18
Sodium (Na)			117.3		%		70-130	23-AUG-18
Strontium (Sr)			105.4		%		70-130	23-AUG-18
Thallium (Tl)			0.129		mg/kg		0.077-0.18	23-AUG-18
Tin (Sn)			1.1		mg/kg		0-3	23-AUG-18
Titanium (Ti)			118.2		%		70-130	23-AUG-18
Tungsten (W)			0.17		mg/kg		0-0.66	23-AUG-18
Uranium (U)			107.5		%		70-130	23-AUG-18
Vanadium (V)			107.4		%		70-130	23-AUG-18
Zinc (Zn)			106.5		%		70-130	23-AUG-18
Zirconium (Zr)			0.8		mg/kg		0-1.8	23-AUG-18
WG2855306-3	LCS							
Aluminum (Al)			101.3		%		80-120	23-AUG-18
Antimony (Sb)			101.2		%		80-120	23-AUG-18
Arsenic (As)			100.3		%		80-120	23-AUG-18
Barium (Ba)			102.6		%		80-120	23-AUG-18
Beryllium (Be)			96.6		%		80-120	23-AUG-18
Bismuth (Bi)			96.0		%		80-120	23-AUG-18
Boron (B)			92.5		%		80-120	23-AUG-18
Cadmium (Cd)			101.5		%		80-120	23-AUG-18
Calcium (Ca)			95.6		%		80-120	23-AUG-18
Chromium (Cr)			99.6		%		80-120	23-AUG-18
Cobalt (Co)			98.4		%		80-120	23-AUG-18
Copper (Cu)			99.4		%		80-120	23-AUG-18

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MET-200.2-CCMS-VA		Soil						
Batch	R4181620							
WG2855306-3	LCS							
Iron (Fe)			101.4		%		80-120	23-AUG-18
Lead (Pb)			96.6		%		80-120	23-AUG-18
Lithium (Li)			96.0		%		80-120	23-AUG-18
Magnesium (Mg)			99.7		%		80-120	23-AUG-18
Manganese (Mn)			98.2		%		80-120	23-AUG-18
Molybdenum (Mo)			99.0		%		80-120	23-AUG-18
Nickel (Ni)			98.1		%		80-120	23-AUG-18
Phosphorus (P)			106.6		%		80-120	23-AUG-18
Potassium (K)			100.8		%		80-120	23-AUG-18
Selenium (Se)			99.9		%		80-120	23-AUG-18
Silver (Ag)			95.4		%		80-120	23-AUG-18
Sodium (Na)			99.5		%		80-120	23-AUG-18
Strontium (Sr)			96.5		%		80-120	23-AUG-18
Sulfur (S)			98.9		%		80-120	23-AUG-18
Thallium (Tl)			96.5		%		80-120	23-AUG-18
Tin (Sn)			96.0		%		80-120	23-AUG-18
Titanium (Ti)			96.1		%		80-120	23-AUG-18
Tungsten (W)			100.7		%		80-120	23-AUG-18
Uranium (U)			99.2		%		80-120	23-AUG-18
Vanadium (V)			100.5		%		80-120	23-AUG-18
Zinc (Zn)			95.1		%		80-120	23-AUG-18
Zirconium (Zr)			92.1		%		70-130	23-AUG-18
WG2855306-1	MB							
Aluminum (Al)			<50		mg/kg		50	23-AUG-18
Antimony (Sb)			<0.10		mg/kg		0.1	23-AUG-18
Arsenic (As)			<0.10		mg/kg		0.1	23-AUG-18
Barium (Ba)			<0.50		mg/kg		0.5	23-AUG-18
Beryllium (Be)			<0.10		mg/kg		0.1	23-AUG-18
Bismuth (Bi)			<0.20		mg/kg		0.2	23-AUG-18
Boron (B)			<5.0		mg/kg		5	23-AUG-18
Cadmium (Cd)			<0.020		mg/kg		0.02	23-AUG-18
Calcium (Ca)			<50		mg/kg		50	23-AUG-18
Chromium (Cr)			<0.50		mg/kg		0.5	23-AUG-18
Cobalt (Co)			<0.10		mg/kg		0.1	23-AUG-18



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MET-200.2-CCMS-VA								
	Soil							
Batch	R4181620							
WG2855306-1	MB							
Copper (Cu)			<0.50		mg/kg		0.5	23-AUG-18
Iron (Fe)			<50		mg/kg		50	23-AUG-18
Lead (Pb)			<0.50		mg/kg		0.5	23-AUG-18
Lithium (Li)			<2.0		mg/kg		2	23-AUG-18
Magnesium (Mg)			<20		mg/kg		20	23-AUG-18
Manganese (Mn)			<1.0		mg/kg		1	23-AUG-18
Molybdenum (Mo)			<0.10		mg/kg		0.1	23-AUG-18
Nickel (Ni)			<0.50		mg/kg		0.5	23-AUG-18
Phosphorus (P)			<50		mg/kg		50	23-AUG-18
Potassium (K)			<100		mg/kg		100	23-AUG-18
Selenium (Se)			<0.20		mg/kg		0.2	23-AUG-18
Silver (Ag)			<0.10		mg/kg		0.1	23-AUG-18
Sodium (Na)			<50		mg/kg		50	23-AUG-18
Strontium (Sr)			<0.50		mg/kg		0.5	23-AUG-18
Sulfur (S)			<1000		mg/kg		1000	23-AUG-18
Thallium (Tl)			<0.050		mg/kg		0.05	23-AUG-18
Tin (Sn)			<2.0		mg/kg		2	23-AUG-18
Titanium (Ti)			<1.0		mg/kg		1	23-AUG-18
Tungsten (W)			<0.50		mg/kg		0.5	23-AUG-18
Uranium (U)			<0.050		mg/kg		0.05	23-AUG-18
Vanadium (V)			<0.20		mg/kg		0.2	23-AUG-18
Zinc (Zn)			<2.0		mg/kg		2	23-AUG-18
Zirconium (Zr)			<1.0		mg/kg		1	23-AUG-18
Batch	R4182088							
WG2856011-4	CRM	VA-CANMET-TILL1						
Aluminum (Al)			116.1		%		70-130	23-AUG-18
Antimony (Sb)			110.3		%		70-130	23-AUG-18
Arsenic (As)			105.8		%		70-130	23-AUG-18
Barium (Ba)			106.1		%		70-130	23-AUG-18
Beryllium (Be)			0.57		mg/kg		0.34-0.74	23-AUG-18
Bismuth (Bi)			105.2		%		70-130	23-AUG-18
Boron (B)			3.8		mg/kg		0-8.2	23-AUG-18
Cadmium (Cd)			108.6		%		70-130	23-AUG-18
Calcium (Ca)			118.0		%		70-130	23-AUG-18

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MET-200.2-CCMS-VA		Soil						
Batch	R4182088							
WG2856011-4	CRM	VA-CANMET-TILL1						
Chromium (Cr)			111.5		%		70-130	23-AUG-18
Cobalt (Co)			109.9		%		70-130	23-AUG-18
Copper (Cu)			109.8		%		70-130	23-AUG-18
Iron (Fe)			109.8		%		70-130	23-AUG-18
Lead (Pb)			107.2		%		70-130	23-AUG-18
Lithium (Li)			113.8		%		70-130	23-AUG-18
Magnesium (Mg)			113.9		%		70-130	23-AUG-18
Manganese (Mn)			108.5		%		70-130	23-AUG-18
Molybdenum (Mo)			113.0		%		70-130	23-AUG-18
Nickel (Ni)			110.9		%		70-130	23-AUG-18
Potassium (K)			113.1		%		70-130	23-AUG-18
Selenium (Se)			0.33		mg/kg		0.11-0.51	23-AUG-18
Silver (Ag)			0.25		mg/kg		0.13-0.33	23-AUG-18
Sodium (Na)			123.9		%		70-130	23-AUG-18
Strontium (Sr)			126.5		%		70-130	23-AUG-18
Thallium (Tl)			0.142		mg/kg		0.077-0.18	23-AUG-18
Tin (Sn)			1.2		mg/kg		0-3	23-AUG-18
Titanium (Ti)			131.2	MES	%		70-130	23-AUG-18
Tungsten (W)			0.17		mg/kg		0-0.66	23-AUG-18
Uranium (U)			115.6		%		70-130	23-AUG-18
Vanadium (V)			110.1		%		70-130	23-AUG-18
Zinc (Zn)			108.7		%		70-130	23-AUG-18
Zirconium (Zr)			1.1		mg/kg		0-1.8	23-AUG-18
WG2856011-3	LCS							
Aluminum (Al)			101.4		%		80-120	23-AUG-18
Antimony (Sb)			104.3		%		80-120	23-AUG-18
Arsenic (As)			100.6		%		80-120	23-AUG-18
Barium (Ba)			99.0		%		80-120	23-AUG-18
Beryllium (Be)			98.8		%		80-120	23-AUG-18
Bismuth (Bi)			99.8		%		80-120	23-AUG-18
Boron (B)			97.7		%		80-120	23-AUG-18
Cadmium (Cd)			100.5		%		80-120	23-AUG-18
Calcium (Ca)			100.5		%		80-120	23-AUG-18
Chromium (Cr)			99.6		%		80-120	23-AUG-18



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MET-200.2-CCMS-VA								
	Soil							
Batch	R4182088							
WG2856011-3	LCS							
Cobalt (Co)			100.4		%		80-120	23-AUG-18
Copper (Cu)			100.0		%		80-120	23-AUG-18
Iron (Fe)			97.9		%		80-120	23-AUG-18
Lead (Pb)			103.9		%		80-120	23-AUG-18
Lithium (Li)			97.8		%		80-120	23-AUG-18
Magnesium (Mg)			104.6		%		80-120	23-AUG-18
Manganese (Mn)			97.5		%		80-120	23-AUG-18
Molybdenum (Mo)			104.5		%		80-120	23-AUG-18
Nickel (Ni)			101.9		%		80-120	23-AUG-18
Phosphorus (P)			102.1		%		80-120	23-AUG-18
Potassium (K)			97.1		%		80-120	23-AUG-18
Selenium (Se)			106.5		%		80-120	23-AUG-18
Silver (Ag)			101.0		%		80-120	23-AUG-18
Sodium (Na)			97.8		%		80-120	23-AUG-18
Strontium (Sr)			108.3		%		80-120	23-AUG-18
Sulfur (S)			106.5		%		80-120	23-AUG-18
Thallium (Tl)			101.2		%		80-120	23-AUG-18
Tin (Sn)			100.0		%		80-120	23-AUG-18
Titanium (Ti)			96.7		%		80-120	23-AUG-18
Tungsten (W)			98.9		%		80-120	23-AUG-18
Uranium (U)			104.8		%		80-120	23-AUG-18
Vanadium (V)			100.5		%		80-120	23-AUG-18
Zinc (Zn)			97.2		%		80-120	23-AUG-18
Zirconium (Zr)			103.9		%		70-130	23-AUG-18
WG2856011-1	MB							
Aluminum (Al)			<50		mg/kg		50	23-AUG-18
Antimony (Sb)			<0.10		mg/kg		0.1	23-AUG-18
Arsenic (As)			<0.10		mg/kg		0.1	23-AUG-18
Barium (Ba)			<0.50		mg/kg		0.5	23-AUG-18
Beryllium (Be)			<0.10		mg/kg		0.1	23-AUG-18
Bismuth (Bi)			<0.20		mg/kg		0.2	23-AUG-18
Boron (B)			<5.0		mg/kg		5	23-AUG-18
Cadmium (Cd)			<0.020		mg/kg		0.02	23-AUG-18
Calcium (Ca)			<50		mg/kg		50	23-AUG-18



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MET-200.2-CCMS-VA								
	Soil							
Batch	R4182088							
WG2856011-1	MB							
Chromium (Cr)			<0.50		mg/kg		0.5	23-AUG-18
Cobalt (Co)			<0.10		mg/kg		0.1	23-AUG-18
Copper (Cu)			<0.50		mg/kg		0.5	23-AUG-18
Iron (Fe)			<50		mg/kg		50	23-AUG-18
Lead (Pb)			<0.50		mg/kg		0.5	23-AUG-18
Lithium (Li)			<2.0		mg/kg		2	23-AUG-18
Magnesium (Mg)			<20		mg/kg		20	23-AUG-18
Manganese (Mn)			<1.0		mg/kg		1	23-AUG-18
Molybdenum (Mo)			<0.10		mg/kg		0.1	23-AUG-18
Nickel (Ni)			<0.50		mg/kg		0.5	23-AUG-18
Phosphorus (P)			<50		mg/kg		50	23-AUG-18
Potassium (K)			<100		mg/kg		100	23-AUG-18
Selenium (Se)			<0.20		mg/kg		0.2	23-AUG-18
Silver (Ag)			<0.10		mg/kg		0.1	23-AUG-18
Sodium (Na)			<50		mg/kg		50	23-AUG-18
Strontium (Sr)			<0.50		mg/kg		0.5	23-AUG-18
Sulfur (S)			<1000		mg/kg		1000	23-AUG-18
Thallium (Tl)			<0.050		mg/kg		0.05	23-AUG-18
Tin (Sn)			<2.0		mg/kg		2	23-AUG-18
Titanium (Ti)			<1.0		mg/kg		1	23-AUG-18
Tungsten (W)			<0.50		mg/kg		0.5	23-AUG-18
Uranium (U)			<0.050		mg/kg		0.05	23-AUG-18
Vanadium (V)			<0.20		mg/kg		0.2	23-AUG-18
Zinc (Zn)			<2.0		mg/kg		2	23-AUG-18
Zirconium (Zr)			<1.0		mg/kg		1	23-AUG-18
Batch	R4182167							
WG2855862-4	CRM	VA-CANMET-TILL1						
Aluminum (Al)			110.8		%		70-130	22-AUG-18
Antimony (Sb)			100.2		%		70-130	22-AUG-18
Arsenic (As)			105.3		%		70-130	22-AUG-18
Barium (Ba)			106.7		%		70-130	22-AUG-18
Beryllium (Be)			0.58		mg/kg		0.34-0.74	22-AUG-18
Bismuth (Bi)			97.4		%		70-130	22-AUG-18
Boron (B)			3.7		mg/kg		0-8.2	22-AUG-18



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-200.2-CCMS-VA								
	Soil							
Batch	R4182167							
WG2855862-4	CRM	VA-CANMET-TILL1						
Cadmium (Cd)			98.1		%		70-130	22-AUG-18
Calcium (Ca)			115.4		%		70-130	22-AUG-18
Chromium (Cr)			110.3		%		70-130	22-AUG-18
Cobalt (Co)			106.0		%		70-130	22-AUG-18
Copper (Cu)			107.2		%		70-130	22-AUG-18
Iron (Fe)			106.2		%		70-130	22-AUG-18
Lead (Pb)			97.1		%		70-130	22-AUG-18
Lithium (Li)			114.3		%		70-130	22-AUG-18
Magnesium (Mg)			113.8		%		70-130	22-AUG-18
Manganese (Mn)			110.1		%		70-130	22-AUG-18
Molybdenum (Mo)			101.0		%		70-130	22-AUG-18
Nickel (Ni)			109.2		%		70-130	22-AUG-18
Potassium (K)			110.1		%		70-130	22-AUG-18
Selenium (Se)			0.35		mg/kg		0.11-0.51	22-AUG-18
Silver (Ag)			0.24		mg/kg		0.13-0.33	22-AUG-18
Sodium (Na)			114.4		%		70-130	22-AUG-18
Strontium (Sr)			114.3		%		70-130	22-AUG-18
Thallium (Tl)			0.130		mg/kg		0.077-0.18	22-AUG-18
Tin (Sn)			1.1		mg/kg		0-3	22-AUG-18
Titanium (Ti)			128.4		%		70-130	22-AUG-18
Tungsten (W)			0.17		mg/kg		0-0.66	22-AUG-18
Uranium (U)			105.6		%		70-130	22-AUG-18
Vanadium (V)			109.1		%		70-130	22-AUG-18
Zinc (Zn)			105.9		%		70-130	22-AUG-18
Zirconium (Zr)			0.7		mg/kg		0-1.8	22-AUG-18
WG2855862-2	DUP	L2148903-24						
Aluminum (Al)		2920	3360		mg/kg	14	40	22-AUG-18
Antimony (Sb)		<0.10	<0.10	RPD-NA	mg/kg	N/A	30	22-AUG-18
Arsenic (As)		2.95	3.28		mg/kg	10	30	22-AUG-18
Barium (Ba)		10.7	10.9		mg/kg	2.0	40	22-AUG-18
Beryllium (Be)		0.21	0.21		mg/kg	1.7	30	22-AUG-18
Bismuth (Bi)		<0.20	<0.20	RPD-NA	mg/kg	N/A	30	22-AUG-18
Boron (B)		21.6	23.8		mg/kg	9.3	30	22-AUG-18
Cadmium (Cd)		0.031	0.022	J	mg/kg	0.009	0.04	22-AUG-18



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MET-200.2-CCMS-VA		Soil						
Batch	R4182167							
WG2855862-2	DUP	L2148903-24						
Calcium (Ca)		41300	46000		mg/kg	11	30	22-AUG-18
Chromium (Cr)		10.6	11.6		mg/kg	9.1	30	22-AUG-18
Cobalt (Co)		1.91	2.02		mg/kg	5.6	30	22-AUG-18
Copper (Cu)		3.68	3.93		mg/kg	6.5	30	22-AUG-18
Iron (Fe)		7790	8430		mg/kg	8.0	30	22-AUG-18
Lead (Pb)		3.20	3.44		mg/kg	7.4	40	22-AUG-18
Lithium (Li)		13.9	14.8		mg/kg	6.4	30	22-AUG-18
Magnesium (Mg)		22400	23700		mg/kg	5.9	30	22-AUG-18
Manganese (Mn)		79.8	83.8		mg/kg	4.9	30	22-AUG-18
Molybdenum (Mo)		0.28	0.26		mg/kg	6.3	40	22-AUG-18
Nickel (Ni)		6.33	6.55		mg/kg	3.3	30	22-AUG-18
Phosphorus (P)		323	370		mg/kg	14	30	22-AUG-18
Potassium (K)		1230	1370		mg/kg	10	40	22-AUG-18
Selenium (Se)		<0.20	<0.20	RPD-NA	mg/kg	N/A	30	22-AUG-18
Silver (Ag)		<0.10	<0.10	RPD-NA	mg/kg	N/A	40	22-AUG-18
Sodium (Na)		3430	2930		mg/kg	16	40	22-AUG-18
Strontium (Sr)		34.2	43.8		mg/kg	25	40	22-AUG-18
Sulfur (S)		<1000	<1000	RPD-NA	mg/kg	N/A	30	22-AUG-18
Thallium (Tl)		0.059	0.061		mg/kg	3.8	30	22-AUG-18
Tin (Sn)		<2.0	<2.0	RPD-NA	mg/kg	N/A	40	22-AUG-18
Titanium (Ti)		152	171		mg/kg	12	40	22-AUG-18
Tungsten (W)		<0.50	<0.50	RPD-NA	mg/kg	N/A	30	22-AUG-18
Uranium (U)		0.479	0.532		mg/kg	11	30	22-AUG-18
Vanadium (V)		12.5	13.8		mg/kg	9.3	30	22-AUG-18
Zinc (Zn)		9.6	10.2		mg/kg	5.7	30	22-AUG-18
Zirconium (Zr)		2.7	3.3		mg/kg	20	30	22-AUG-18
WG2855862-3	LCS							
Aluminum (Al)			101.8		%		80-120	22-AUG-18
Antimony (Sb)			98.5		%		80-120	22-AUG-18
Arsenic (As)			106.0		%		80-120	22-AUG-18
Barium (Ba)			103.8		%		80-120	22-AUG-18
Beryllium (Be)			101.5		%		80-120	22-AUG-18
Bismuth (Bi)			98.1		%		80-120	22-AUG-18
Boron (B)			97.0		%		80-120	22-AUG-18



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MET-200.2-CCMS-VA		Soil						
Batch	R4182167							
WG2855862-3	LCS							
Cadmium (Cd)			100.4		%		80-120	22-AUG-18
Calcium (Ca)			102.8		%		80-120	22-AUG-18
Chromium (Cr)			105.2		%		80-120	22-AUG-18
Cobalt (Co)			102.2		%		80-120	22-AUG-18
Copper (Cu)			103.7		%		80-120	22-AUG-18
Iron (Fe)			105.9		%		80-120	22-AUG-18
Lead (Pb)			101.4		%		80-120	22-AUG-18
Lithium (Li)			103.7		%		80-120	22-AUG-18
Magnesium (Mg)			110.5		%		80-120	22-AUG-18
Manganese (Mn)			104.4		%		80-120	22-AUG-18
Molybdenum (Mo)			98.2		%		80-120	22-AUG-18
Nickel (Ni)			105.2		%		80-120	22-AUG-18
Phosphorus (P)			106.2		%		80-120	22-AUG-18
Potassium (K)			103.8		%		80-120	22-AUG-18
Selenium (Se)			102.9		%		80-120	22-AUG-18
Silver (Ag)			93.9		%		80-120	22-AUG-18
Sodium (Na)			105.5		%		80-120	22-AUG-18
Strontium (Sr)			103.7		%		80-120	22-AUG-18
Sulfur (S)			96.7		%		80-120	22-AUG-18
Thallium (Tl)			98.5		%		80-120	22-AUG-18
Tin (Sn)			99.6		%		80-120	22-AUG-18
Titanium (Ti)			104.1		%		80-120	22-AUG-18
Tungsten (W)			102.9		%		80-120	22-AUG-18
Uranium (U)			104.0		%		80-120	22-AUG-18
Vanadium (V)			107.9		%		80-120	22-AUG-18
Zinc (Zn)			103.1		%		80-120	22-AUG-18
Zirconium (Zr)			99.0		%		70-130	22-AUG-18
WG2855862-1	MB							
Aluminum (Al)			<50		mg/kg		50	22-AUG-18
Antimony (Sb)			<0.10		mg/kg		0.1	22-AUG-18
Arsenic (As)			<0.10		mg/kg		0.1	22-AUG-18
Barium (Ba)			<0.50		mg/kg		0.5	22-AUG-18
Beryllium (Be)			<0.10		mg/kg		0.1	22-AUG-18
Bismuth (Bi)			<0.20		mg/kg		0.2	22-AUG-18

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MET-200.2-CCMS-VA		Soil						
Batch	R4182167							
WG2855862-1	MB							
Boron (B)			<5.0		mg/kg		5	22-AUG-18
Cadmium (Cd)			<0.020		mg/kg		0.02	22-AUG-18
Calcium (Ca)			<50		mg/kg		50	22-AUG-18
Chromium (Cr)			<0.50		mg/kg		0.5	22-AUG-18
Cobalt (Co)			<0.10		mg/kg		0.1	22-AUG-18
Copper (Cu)			<0.50		mg/kg		0.5	22-AUG-18
Iron (Fe)			<50		mg/kg		50	22-AUG-18
Lead (Pb)			<0.50		mg/kg		0.5	22-AUG-18
Lithium (Li)			<2.0		mg/kg		2	22-AUG-18
Magnesium (Mg)			<20		mg/kg		20	22-AUG-18
Manganese (Mn)			<1.0		mg/kg		1	22-AUG-18
Molybdenum (Mo)			<0.10		mg/kg		0.1	22-AUG-18
Nickel (Ni)			<0.50		mg/kg		0.5	22-AUG-18
Phosphorus (P)			<50		mg/kg		50	22-AUG-18
Potassium (K)			<100		mg/kg		100	22-AUG-18
Selenium (Se)			<0.20		mg/kg		0.2	22-AUG-18
Silver (Ag)			<0.10		mg/kg		0.1	22-AUG-18
Sodium (Na)			<50		mg/kg		50	22-AUG-18
Strontium (Sr)			<0.50		mg/kg		0.5	22-AUG-18
Sulfur (S)			<1000		mg/kg		1000	22-AUG-18
Thallium (Tl)			<0.050		mg/kg		0.05	22-AUG-18
Tin (Sn)			<2.0		mg/kg		2	22-AUG-18
Titanium (Ti)			<1.0		mg/kg		1	22-AUG-18
Tungsten (W)			<0.50		mg/kg		0.5	22-AUG-18
Uranium (U)			<0.050		mg/kg		0.05	22-AUG-18
Vanadium (V)			<0.20		mg/kg		0.2	22-AUG-18
Zinc (Zn)			<2.0		mg/kg		2	22-AUG-18
Zirconium (Zr)			<1.0		mg/kg		1	22-AUG-18
Batch	R4182265							
WG2856086-1	MB							
Aluminum (Al)			<50		mg/kg		50	24-AUG-18
Antimony (Sb)			<0.10		mg/kg		0.1	24-AUG-18
Arsenic (As)			<0.10		mg/kg		0.1	24-AUG-18
Barium (Ba)			<0.50		mg/kg		0.5	24-AUG-18



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MET-200.2-CCMS-VA								
	Soil							
Batch	R4182265							
WG2856086-1	MB							
Beryllium (Be)			<0.10		mg/kg		0.1	24-AUG-18
Bismuth (Bi)			<0.20		mg/kg		0.2	24-AUG-18
Boron (B)			<5.0		mg/kg		5	24-AUG-18
Cadmium (Cd)			<0.020		mg/kg		0.02	24-AUG-18
Calcium (Ca)			<50		mg/kg		50	24-AUG-18
Chromium (Cr)			<0.50		mg/kg		0.5	24-AUG-18
Cobalt (Co)			<0.10		mg/kg		0.1	24-AUG-18
Copper (Cu)			<0.50		mg/kg		0.5	24-AUG-18
Iron (Fe)			<50		mg/kg		50	24-AUG-18
Lead (Pb)			<0.50		mg/kg		0.5	24-AUG-18
Lithium (Li)			<2.0		mg/kg		2	24-AUG-18
Magnesium (Mg)			<20		mg/kg		20	24-AUG-18
Manganese (Mn)			<1.0		mg/kg		1	24-AUG-18
Molybdenum (Mo)			<0.10		mg/kg		0.1	24-AUG-18
Nickel (Ni)			<0.50		mg/kg		0.5	24-AUG-18
Phosphorus (P)			<50		mg/kg		50	24-AUG-18
Potassium (K)			<100		mg/kg		100	24-AUG-18
Selenium (Se)			<0.20		mg/kg		0.2	24-AUG-18
Silver (Ag)			<0.10		mg/kg		0.1	24-AUG-18
Sodium (Na)			<50		mg/kg		50	24-AUG-18
Strontium (Sr)			<0.50		mg/kg		0.5	24-AUG-18
Sulfur (S)			<1000		mg/kg		1000	24-AUG-18
Thallium (Tl)			<0.050		mg/kg		0.05	24-AUG-18
Tin (Sn)			<2.0		mg/kg		2	24-AUG-18
Titanium (Ti)			<1.0		mg/kg		1	24-AUG-18
Tungsten (W)			<0.50		mg/kg		0.5	24-AUG-18
Uranium (U)			<0.050		mg/kg		0.05	24-AUG-18
Vanadium (V)			<0.20		mg/kg		0.2	24-AUG-18
Zinc (Zn)			<2.0		mg/kg		2	24-AUG-18
Zirconium (Zr)			<1.0		mg/kg		1	24-AUG-18
Batch	R4183367							
WG2856086-4	CRM	VA-CANMET-TILL1						
Aluminum (Al)			97.4		%		70-130	25-AUG-18
Antimony (Sb)			92.7		%		70-130	25-AUG-18



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MET-200.2-CCMS-VA								
	Soil							
Batch	R4183367							
WG2856086-4	CRM	VA-CANMET-TILL1						
Arsenic (As)			92.4		%		70-130	25-AUG-18
Barium (Ba)			91.0		%		70-130	25-AUG-18
Beryllium (Be)			0.47		mg/kg		0.34-0.74	25-AUG-18
Bismuth (Bi)			93.4		%		70-130	25-AUG-18
Boron (B)			2.9		mg/kg		0-8.2	25-AUG-18
Cadmium (Cd)			98.0		%		70-130	25-AUG-18
Calcium (Ca)			97.5		%		70-130	25-AUG-18
Chromium (Cr)			98.0		%		70-130	25-AUG-18
Cobalt (Co)			88.1		%		70-130	25-AUG-18
Copper (Cu)			95.7		%		70-130	25-AUG-18
Iron (Fe)			95.4		%		70-130	25-AUG-18
Lead (Pb)			91.4		%		70-130	25-AUG-18
Lithium (Li)			93.4		%		70-130	25-AUG-18
Magnesium (Mg)			96.7		%		70-130	25-AUG-18
Manganese (Mn)			96.8		%		70-130	25-AUG-18
Molybdenum (Mo)			93.3		%		70-130	25-AUG-18
Nickel (Ni)			95.2		%		70-130	25-AUG-18
Potassium (K)			101.9		%		70-130	25-AUG-18
Selenium (Se)			0.25		mg/kg		0.11-0.51	25-AUG-18
Silver (Ag)			0.21		mg/kg		0.13-0.33	25-AUG-18
Sodium (Na)			96.6		%		70-130	25-AUG-18
Strontium (Sr)			101.1		%		70-130	25-AUG-18
Thallium (Tl)			0.119		mg/kg		0.077-0.18	25-AUG-18
Tin (Sn)			1.0		mg/kg		0-3	25-AUG-18
Titanium (Ti)			109.0		%		70-130	25-AUG-18
Tungsten (W)			0.15		mg/kg		0-0.66	25-AUG-18
Uranium (U)			99.3		%		70-130	25-AUG-18
Vanadium (V)			97.3		%		70-130	25-AUG-18
Zinc (Zn)			95.5		%		70-130	25-AUG-18
Zirconium (Zr)			0.7		mg/kg		0-1.8	25-AUG-18
WG2856086-2	DUP	L2148903-63						
Aluminum (Al)		9960	10500		mg/kg	5.1	40	25-AUG-18
Antimony (Sb)		0.17	0.17		mg/kg	1.1	30	25-AUG-18
Arsenic (As)		3.90	4.03		mg/kg	3.3	30	25-AUG-18

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MET-200.2-CCMS-VA		Soil						
Batch	R4183367							
WG2856086-2	DUP	L2148903-63						
Barium (Ba)		24.3	24.1		mg/kg	1.0	40	25-AUG-18
Beryllium (Be)		0.56	0.56		mg/kg	0.3	30	25-AUG-18
Bismuth (Bi)		<0.20	<0.20	RPD-NA	mg/kg	N/A	30	25-AUG-18
Boron (B)		62.4	63.9		mg/kg	2.4	30	25-AUG-18
Cadmium (Cd)		0.123	0.124		mg/kg	0.9	30	25-AUG-18
Calcium (Ca)		89800	92100		mg/kg	2.5	30	25-AUG-18
Chromium (Cr)		26.7	27.4		mg/kg	2.7	30	25-AUG-18
Cobalt (Co)		4.44	4.46		mg/kg	0.4	30	25-AUG-18
Copper (Cu)		11.3	11.3		mg/kg	0.3	30	25-AUG-18
Iron (Fe)		14800	15000		mg/kg	1.0	30	25-AUG-18
Lead (Pb)		8.56	8.63		mg/kg	0.8	40	25-AUG-18
Lithium (Li)		42.8	42.7		mg/kg	0.4	30	25-AUG-18
Magnesium (Mg)		43500	44000		mg/kg	1.1	30	25-AUG-18
Manganese (Mn)		163	167		mg/kg	2.6	30	25-AUG-18
Molybdenum (Mo)		0.39	0.39		mg/kg	0.5	40	25-AUG-18
Nickel (Ni)		15.3	15.4		mg/kg	0.6	30	25-AUG-18
Phosphorus (P)		399	416		mg/kg	4.4	30	25-AUG-18
Potassium (K)		4110	4350		mg/kg	5.7	40	25-AUG-18
Selenium (Se)		0.27	0.23		mg/kg	17	30	25-AUG-18
Silver (Ag)		<0.10	<0.10	RPD-NA	mg/kg	N/A	40	25-AUG-18
Sodium (Na)		5630	5470		mg/kg	2.9	40	25-AUG-18
Strontium (Sr)		67.2	69.6		mg/kg	3.5	40	25-AUG-18
Sulfur (S)		<1000	<1000	RPD-NA	mg/kg	N/A	30	25-AUG-18
Thallium (Tl)		0.151	0.155		mg/kg	3.0	30	25-AUG-18
Tin (Sn)		<2.0	<2.0	RPD-NA	mg/kg	N/A	40	25-AUG-18
Titanium (Ti)		316	324		mg/kg	2.5	40	25-AUG-18
Tungsten (W)		<0.50	<0.50	RPD-NA	mg/kg	N/A	30	25-AUG-18
Uranium (U)		1.16	1.21		mg/kg	4.5	30	25-AUG-18
Vanadium (V)		35.7	36.8		mg/kg	3.0	30	25-AUG-18
Zinc (Zn)		25.7	25.6		mg/kg	0.4	30	25-AUG-18
Zirconium (Zr)		10.3	10.7		mg/kg	3.6	30	25-AUG-18
WG2856086-3	LCS							
Aluminum (Al)			95.4		%		80-120	25-AUG-18
Antimony (Sb)			97.9		%		80-120	25-AUG-18



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-200.2-CCMS-VA	Soil							
Batch	R4183367							
WG2856086-3	LCS							
Arsenic (As)			96.8		%		80-120	25-AUG-18
Barium (Ba)			92.3		%		80-120	25-AUG-18
Beryllium (Be)			90.9		%		80-120	25-AUG-18
Bismuth (Bi)			89.4		%		80-120	25-AUG-18
Boron (B)			89.3		%		80-120	25-AUG-18
Cadmium (Cd)			96.1		%		80-120	25-AUG-18
Calcium (Ca)			94.1		%		80-120	25-AUG-18
Chromium (Cr)			95.4		%		80-120	25-AUG-18
Cobalt (Co)			87.4		%		80-120	25-AUG-18
Copper (Cu)			93.4		%		80-120	25-AUG-18
Iron (Fe)			91.8		%		80-120	25-AUG-18
Lead (Pb)			94.6		%		80-120	25-AUG-18
Lithium (Li)			90.8		%		80-120	25-AUG-18
Magnesium (Mg)			96.9		%		80-120	25-AUG-18
Manganese (Mn)			95.1		%		80-120	25-AUG-18
Molybdenum (Mo)			97.3		%		80-120	25-AUG-18
Nickel (Ni)			94.6		%		80-120	25-AUG-18
Phosphorus (P)			93.8		%		80-120	25-AUG-18
Potassium (K)			101.4		%		80-120	25-AUG-18
Selenium (Se)			95.2		%		80-120	25-AUG-18
Silver (Ag)			92.4		%		80-120	25-AUG-18
Sodium (Na)			93.6		%		80-120	25-AUG-18
Strontium (Sr)			102.5		%		80-120	25-AUG-18
Sulfur (S)			95.4		%		80-120	25-AUG-18
Thallium (Tl)			90.1		%		80-120	25-AUG-18
Tin (Sn)			95.6		%		80-120	25-AUG-18
Titanium (Ti)			91.7		%		80-120	25-AUG-18
Tungsten (W)			94.4		%		80-120	25-AUG-18
Uranium (U)			94.3		%		80-120	25-AUG-18
Vanadium (V)			95.8		%		80-120	25-AUG-18
Zinc (Zn)			91.8		%		80-120	25-AUG-18
Zirconium (Zr)			94.6		%		70-130	25-AUG-18
MOISTURE-VA	Soil							



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MOISTURE-VA		Soil						
Batch	R4179036							
WG2854836-2	LCS							
Moisture			99.5		%		90-110	20-AUG-18
WG2854836-6	LCS							
Moisture			99.6		%		90-110	20-AUG-18
WG2854836-1	MB							
Moisture			<0.25		%		0.25	20-AUG-18
WG2854836-5	MB							
Moisture			<0.25		%		0.25	20-AUG-18
Batch	R4179040							
WG2854255-4	DUP	L2148903-4						
Moisture		23.1	24.1		%	4.5	20	20-AUG-18
WG2854255-2	LCS							
Moisture			99.9		%		90-110	20-AUG-18
WG2854255-6	LCS							
Moisture			100.1		%		90-110	20-AUG-18
WG2854255-1	MB							
Moisture			<0.25		%		0.25	20-AUG-18
WG2854255-5	MB							
Moisture			<0.25		%		0.25	20-AUG-18
PAH-TMB-H/A-MS-VA		Soil						
Batch	R4179582							
WG2854799-3	DUP	L2148903-31						
Acenaphthene		<0.0050	<0.0050	RPD-NA	mg/kg	N/A	50	23-AUG-18
Acenaphthylene		<0.0050	<0.0050	RPD-NA	mg/kg	N/A	50	23-AUG-18
Anthracene		<0.0040	<0.0040	RPD-NA	mg/kg	N/A	50	23-AUG-18
Benz(a)anthracene		<0.010	<0.010	RPD-NA	mg/kg	N/A	50	23-AUG-18
Benzo(a)pyrene		<0.010	<0.010	RPD-NA	mg/kg	N/A	50	23-AUG-18
Benzo(b&j)fluoranthene		<0.010	<0.010	RPD-NA	mg/kg	N/A	50	23-AUG-18
Benzo(g,h,i)perylene		<0.010	<0.010	RPD-NA	mg/kg	N/A	50	23-AUG-18
Benzo(k)fluoranthene		<0.010	<0.010	RPD-NA	mg/kg	N/A	50	23-AUG-18
Chrysene		<0.010	<0.010	RPD-NA	mg/kg	N/A	50	23-AUG-18
Dibenz(a,h)anthracene		<0.0050	<0.0050	RPD-NA	mg/kg	N/A	50	23-AUG-18
Fluoranthene		<0.010	<0.010	RPD-NA	mg/kg	N/A	50	23-AUG-18
Fluorene		<0.010	<0.010	RPD-NA	mg/kg	N/A	50	23-AUG-18
Indeno(1,2,3-c,d)pyrene		<0.010	<0.010	RPD-NA	mg/kg	N/A	50	23-AUG-18
1-Methylnaphthalene		<0.050	<0.050	RPD-NA	mg/kg	N/A	50	23-AUG-18
2-Methylnaphthalene		<0.010	<0.010	RPD-NA	mg/kg	N/A	50	23-AUG-18



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PAH-TMB-H/A-MS-VA								
	Soil							
Batch	R4179582							
WG2854799-3	DUP	L2148903-31						
Naphthalene		<0.010	<0.010	RPD-NA	mg/kg	N/A	50	23-AUG-18
Phenanthrene		<0.010	<0.010	RPD-NA	mg/kg	N/A	50	23-AUG-18
Pyrene		<0.010	<0.010	RPD-NA	mg/kg	N/A	50	23-AUG-18
Quinoline		<0.050	<0.050	RPD-NA	mg/kg	N/A	50	23-AUG-18
WG2854799-2	LCS							
Acenaphthene			85.4		%		60-130	22-AUG-18
Acenaphthylene			87.5		%		60-130	22-AUG-18
Anthracene			96.8		%		60-130	22-AUG-18
Benz(a)anthracene			82.5		%		60-130	22-AUG-18
Benzo(a)pyrene			83.1		%		60-130	22-AUG-18
Benzo(b&j)fluoranthene			91.0		%		60-130	22-AUG-18
Benzo(g,h,i)perylene			90.4		%		60-130	22-AUG-18
Benzo(k)fluoranthene			90.1		%		60-130	22-AUG-18
Chrysene			93.0		%		60-130	22-AUG-18
Dibenz(a,h)anthracene			84.8		%		60-130	22-AUG-18
Fluoranthene			91.5		%		60-130	22-AUG-18
Fluorene			83.9		%		60-130	22-AUG-18
Indeno(1,2,3-c,d)pyrene			85.1		%		60-130	22-AUG-18
1-Methylnaphthalene			85.1		%		60-130	22-AUG-18
2-Methylnaphthalene			91.6		%		60-130	22-AUG-18
Naphthalene			90.7		%		50-130	22-AUG-18
Phenanthrene			100.4		%		60-130	22-AUG-18
Pyrene			91.5		%		60-130	22-AUG-18
Quinoline			81.3		%		60-130	22-AUG-18
WG2854799-1	MB							
Acenaphthene			<0.0050		mg/kg		0.005	22-AUG-18
Acenaphthylene			<0.0050		mg/kg		0.005	22-AUG-18
Anthracene			<0.0040		mg/kg		0.004	22-AUG-18
Benz(a)anthracene			<0.010		mg/kg		0.01	22-AUG-18
Benzo(a)pyrene			<0.010		mg/kg		0.01	22-AUG-18
Benzo(b&j)fluoranthene			<0.010		mg/kg		0.01	22-AUG-18
Benzo(g,h,i)perylene			<0.010		mg/kg		0.01	22-AUG-18
Benzo(k)fluoranthene			<0.010		mg/kg		0.01	22-AUG-18
Chrysene			<0.010		mg/kg		0.01	22-AUG-18
Dibenz(a,h)anthracene			<0.0050		mg/kg		0.005	22-AUG-18



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-TMB-H/A-MS-VA		Soil						
Batch	R4179582							
WG2854799-1	MB							
Fluoranthene			<0.010		mg/kg		0.01	22-AUG-18
Fluorene			<0.010		mg/kg		0.01	22-AUG-18
Indeno(1,2,3-c,d)pyrene			<0.010		mg/kg		0.01	22-AUG-18
1-Methylnaphthalene			<0.050		mg/kg		0.05	22-AUG-18
2-Methylnaphthalene			<0.010		mg/kg		0.01	22-AUG-18
Naphthalene			<0.010		mg/kg		0.01	22-AUG-18
Phenanthrene			<0.010		mg/kg		0.01	22-AUG-18
Pyrene			<0.010		mg/kg		0.01	22-AUG-18
Quinoline			<0.050		mg/kg		0.05	22-AUG-18
Surrogate: Naphthalene d8			89.7		%		50-130	22-AUG-18
Surrogate: Acenaphthene d10			91.8		%		60-130	22-AUG-18
Surrogate: Phenanthrene d10			93.4		%		60-130	22-AUG-18
Surrogate: Chrysene d12			85.0		%		60-130	22-AUG-18
Batch	R4180648							
WG2854662-2	LCS							
Acenaphthene			80.8		%		60-130	25-AUG-18
Acenaphthylene			82.3		%		60-130	25-AUG-18
Anthracene			84.5		%		60-130	25-AUG-18
Benz(a)anthracene			80.8		%		60-130	25-AUG-18
Benzo(a)pyrene			79.7		%		60-130	25-AUG-18
Benzo(b&j)fluoranthene			83.8		%		60-130	25-AUG-18
Benzo(g,h,i)perylene			70.3		%		60-130	25-AUG-18
Benzo(k)fluoranthene			83.9		%		60-130	25-AUG-18
Chrysene			83.4		%		60-130	25-AUG-18
Dibenz(a,h)anthracene			77.3		%		60-130	25-AUG-18
Fluoranthene			83.7		%		60-130	25-AUG-18
Fluorene			79.6		%		60-130	25-AUG-18
Indeno(1,2,3-c,d)pyrene			73.5		%		60-130	25-AUG-18
1-Methylnaphthalene			81.0		%		60-130	25-AUG-18
2-Methylnaphthalene			86.3		%		60-130	25-AUG-18
Naphthalene			83.2		%		50-130	25-AUG-18
Phenanthrene			82.9		%		60-130	25-AUG-18
Pyrene			84.2		%		60-130	25-AUG-18
Quinoline			84.3		%		60-130	25-AUG-18
WG2854662-1								



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-TMB-H/A-MS-VA		Soil						
Batch	R4180648							
WG2854662-1	MB							
Acenaphthene			<0.0050		mg/kg		0.005	25-AUG-18
Acenaphthylene			<0.0050		mg/kg		0.005	25-AUG-18
Anthracene			<0.0040		mg/kg		0.004	25-AUG-18
Benz(a)anthracene			0.018	MB-LOR	mg/kg		0.01	25-AUG-18
Benzo(a)pyrene			0.026	MB-LOR	mg/kg		0.01	25-AUG-18
Benzo(b&j)fluoranthene			0.044	MB-LOR	mg/kg		0.01	25-AUG-18
Benzo(g,h,i)perylene			0.037	MB-LOR	mg/kg		0.01	25-AUG-18
Benzo(k)fluoranthene			0.016	MB-LOR	mg/kg		0.01	25-AUG-18
Chrysene			0.023	MB-LOR	mg/kg		0.01	25-AUG-18
Dibenz(a,h)anthracene			0.0051	MB-LOR	mg/kg		0.005	25-AUG-18
Fluoranthene			0.017	MB-LOR	mg/kg		0.01	25-AUG-18
Fluorene			<0.010		mg/kg		0.01	25-AUG-18
Indeno(1,2,3-c,d)pyrene			0.032	MB-LOR	mg/kg		0.01	25-AUG-18
1-Methylnaphthalene			<0.050		mg/kg		0.05	25-AUG-18
2-Methylnaphthalene			<0.010		mg/kg		0.01	25-AUG-18
Naphthalene			<0.010		mg/kg		0.01	25-AUG-18
Phenanthrene			<0.010		mg/kg		0.01	25-AUG-18
Pyrene			0.017	MB-LOR	mg/kg		0.01	25-AUG-18
Quinoline			<0.050		mg/kg		0.05	25-AUG-18
Surrogate: Naphthalene d8			113.0		%		50-130	25-AUG-18
Surrogate: Acenaphthene d10			112.8		%		60-130	25-AUG-18
Surrogate: Phenanthrene d10			118.0		%		60-130	25-AUG-18
Surrogate: Chrysene d12			113.6		%		60-130	25-AUG-18
Batch	R4183870							
WG2859920-2	LCS							
Acenaphthene			97.9		%		60-130	26-AUG-18
Acenaphthylene			97.7		%		60-130	26-AUG-18
Anthracene			98.1		%		60-130	26-AUG-18
Benz(a)anthracene			93.1		%		60-130	26-AUG-18
Benzo(a)pyrene			90.5		%		60-130	26-AUG-18
Benzo(b&j)fluoranthene			108.3		%		60-130	26-AUG-18
Benzo(g,h,i)perylene			60.1		%		60-130	26-AUG-18
Benzo(k)fluoranthene			94.1		%		60-130	26-AUG-18
Chrysene			86.4		%		60-130	26-AUG-18

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PAH-TMB-H/A-MS-VA		Soil						
Batch	R4183870							
WG2859920-2	LCS							
Dibenz(a,h)anthracene			75.1		%		60-130	26-AUG-18
Fluoranthene			98.3		%		60-130	26-AUG-18
Fluorene			94.5		%		60-130	26-AUG-18
Indeno(1,2,3-c,d)pyrene			74.1		%		60-130	26-AUG-18
1-Methylnaphthalene			98.4		%		60-130	26-AUG-18
2-Methylnaphthalene			104.5		%		60-130	26-AUG-18
Naphthalene			100.3		%		50-130	26-AUG-18
Phenanthrene			98.9		%		60-130	26-AUG-18
Pyrene			95.9		%		60-130	26-AUG-18
Quinoline			96.8		%		60-130	26-AUG-18
WG2859920-1	MB							
Acenaphthene			<0.050		mg/kg		0.05	26-AUG-18
Acenaphthylene			<0.050		mg/kg		0.05	26-AUG-18
Anthracene			<0.040		mg/kg		0.04	26-AUG-18
Benz(a)anthracene			<0.10		mg/kg		0.1	26-AUG-18
Benzo(a)pyrene			<0.10		mg/kg		0.1	26-AUG-18
Benzo(b&j)fluoranthene			<0.10		mg/kg		0.1	26-AUG-18
Benzo(g,h,i)perylene			<0.10		mg/kg		0.1	26-AUG-18
Benzo(k)fluoranthene			<0.10		mg/kg		0.1	26-AUG-18
Chrysene			<0.10		mg/kg		0.1	26-AUG-18
Dibenz(a,h)anthracene			<0.050		mg/kg		0.05	26-AUG-18
Fluoranthene			<0.10		mg/kg		0.1	26-AUG-18
Fluorene			<0.10		mg/kg		0.1	26-AUG-18
Indeno(1,2,3-c,d)pyrene			<0.10		mg/kg		0.1	26-AUG-18
1-Methylnaphthalene			<0.50		mg/kg		0.5	26-AUG-18
2-Methylnaphthalene			<0.10		mg/kg		0.1	26-AUG-18
Naphthalene			<0.10		mg/kg		0.1	26-AUG-18
Phenanthrene			<0.10		mg/kg		0.1	26-AUG-18
Pyrene			<0.10		mg/kg		0.1	26-AUG-18
Quinoline			<0.50		mg/kg		0.5	26-AUG-18
Surrogate: Naphthalene d8			95.0		%		50-130	26-AUG-18
Surrogate: Acenaphthene d10			97.7		%		60-130	26-AUG-18
Surrogate: Phenanthrene d10			93.5		%		60-130	26-AUG-18
Surrogate: Chrysene d12			89.1		%		60-130	26-AUG-18

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PH-1:2-VA		Soil						
Batch	R4180592							
WG2854861-5	IRM	VA-ALP-SRS1507						
pH (1:2 soil:water)			6.38		pH		6-6.6	22-AUG-18
Batch	R4180620							
WG2854756-5	IRM	VA-ALP-SRS1507						
pH (1:2 soil:water)			6.40		pH		6-6.6	22-AUG-18
Batch	R4180752							
WG2855862-2	DUP	L2148903-24						
pH (1:2 soil:water)		8.26	8.25	J	pH	0.01	0.2	22-AUG-18
WG2855862-5	IRM	VA-ALP-SRS1507						
pH (1:2 soil:water)			6.47		pH		6-6.6	22-AUG-18
Batch	R4181694							
WG2855306-5	IRM	VA-ALP-SRS1507						
pH (1:2 soil:water)			6.50		pH		6-6.6	23-AUG-18
Batch	R4181842							
WG2856086-2	DUP	L2148903-63						
pH (1:2 soil:water)		8.35	8.42	J	pH	0.07	0.2	23-AUG-18
WG2856086-5	IRM	VA-ALP-SRS1507						
pH (1:2 soil:water)			6.37		pH		6-6.6	23-AUG-18
Batch	R4183079							
WG2856011-5	IRM	VA-ALP-SRS1507						
pH (1:2 soil:water)			6.38		pH		6-6.6	25-AUG-18
PSA-PIPET+GRAVEL-SK		Soil						
Batch	R4182109							
WG2855866-1	DUP	L2148903-8						
% Gravel (>2mm)		1.3	1.3		%	0.0	25	23-AUG-18
% Sand (2.0mm - 0.063mm)		51.4	52.4	J	%	0.9	5	23-AUG-18
% Silt (0.063mm - 4um)		39.9	39.0	J	%	0.9	5	23-AUG-18
% Clay (<4um)		7.4	7.3	J	%	0.1	5	23-AUG-18
WG2855866-2	IRM	2017-PSA						
% Sand (2.0mm - 0.063mm)			44.2		%		39.1-49.1	23-AUG-18
% Silt (0.063mm - 4um)			37.1		%		32.5-42.5	23-AUG-18
% Clay (<4um)			18.7		%		13.4-23.4	23-AUG-18

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PSA-PIPET+GRAVEL-SK		Soil						
Batch R4182174								
WG2855874-1	DUP	L2148903-48						
% Gravel (>2mm)		7.0	7.0		%	0.0	25	23-AUG-18
% Sand (2.0mm - 0.063mm)		31.7	30.6	J	%	1.2	5	23-AUG-18
% Silt (0.063mm - 4um)		46.2	46.9	J	%	0.7	5	23-AUG-18
% Clay (<4um)		15.1	15.5	J	%	0.5	5	23-AUG-18
WG2855874-2	IRM	2017-PSA						
% Sand (2.0mm - 0.063mm)			46.6		%		39.1-49.1	23-AUG-18
% Silt (0.063mm - 4um)			34.1		%		32.5-42.5	23-AUG-18
% Clay (<4um)			19.4		%		13.4-23.4	23-AUG-18
Batch R4182537								
WG2855869-1	DUP	L2148903-27						
% Gravel (>2mm)		5.6	5.6		%	0.0	25	23-AUG-18
% Sand (2.0mm - 0.063mm)		51.1	50.6	J	%	0.5	5	23-AUG-18
% Silt (0.063mm - 4um)		33.4	33.6	J	%	0.3	5	23-AUG-18
% Clay (<4um)		10.0	10.2	J	%	0.2	5	23-AUG-18
WG2855869-2	IRM	2017-PSA						
% Sand (2.0mm - 0.063mm)			43.8		%		39.1-49.1	23-AUG-18
% Silt (0.063mm - 4um)			37.2		%		32.5-42.5	23-AUG-18
% Clay (<4um)			18.9		%		13.4-23.4	23-AUG-18
Batch R4182997								
WG2855878-2	IRM	2017-PSA						
% Sand (2.0mm - 0.063mm)			44.1		%		39.1-49.1	24-AUG-18
% Silt (0.063mm - 4um)			37.0		%		32.5-42.5	24-AUG-18
% Clay (<4um)			18.9		%		13.4-23.4	24-AUG-18
VOC-HSMS-VA		Soil						
Batch R4172291								
WG2858608-3	DUP	L2148903-4						
Bromodichloromethane		<0.050	<0.050	RPD-NA	mg/kg	N/A	50	02-AUG-18
Bromoform		<0.050	<0.050	RPD-NA	mg/kg	N/A	50	02-AUG-18
Carbon Tetrachloride		<0.050	<0.050	RPD-NA	mg/kg	N/A	50	02-AUG-18
Chlorobenzene		<0.050	<0.050	RPD-NA	mg/kg	N/A	50	02-AUG-18
Dibromochloromethane		<0.050	<0.050	RPD-NA	mg/kg	N/A	50	02-AUG-18
Chloroethane		<0.10	<0.10	RPD-NA	mg/kg	N/A	50	02-AUG-18
Chloroform		<0.10	<0.10	RPD-NA	mg/kg	N/A	50	02-AUG-18
Chloromethane		<0.10	<0.10	RPD-NA	mg/kg	N/A	50	02-AUG-18
1,2-Dichlorobenzene		<0.050	<0.050	RPD-NA	mg/kg	N/A	50	02-AUG-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-HSMS-VA								
	Soil							
Batch	R4172291							
WG2858608-3	DUP	L2148903-4						
1,3-Dichlorobenzene		<0.050	<0.050	RPD-NA	mg/kg	N/A	50	02-AUG-18
1,4-Dichlorobenzene		<0.050	<0.050	RPD-NA	mg/kg	N/A	50	02-AUG-18
1,1-Dichloroethane		<0.050	<0.050	RPD-NA	mg/kg	N/A	50	02-AUG-18
1,2-Dichloroethane		<0.050	<0.050	RPD-NA	mg/kg	N/A	50	02-AUG-18
1,1-Dichloroethylene		<0.070	<0.070	RPD-NA	mg/kg	N/A	50	02-AUG-18
cis-1,2-Dichloroethylene		<0.050	<0.050	RPD-NA	mg/kg	N/A	50	02-AUG-18
trans-1,2-Dichloroethylene		<0.050	<0.050	RPD-NA	mg/kg	N/A	50	02-AUG-18
Dichloromethane		<0.30	<0.30	RPD-NA	mg/kg	N/A	50	02-AUG-18
1,2-Dichloropropane		<0.050	<0.050	RPD-NA	mg/kg	N/A	50	02-AUG-18
cis-1,3-Dichloropropylene		<0.050	<0.050	RPD-NA	mg/kg	N/A	50	02-AUG-18
trans-1,3-Dichloropropylene		<0.050	<0.050	RPD-NA	mg/kg	N/A	50	02-AUG-18
1,1,1,2-Tetrachloroethane		<0.050	<0.050	RPD-NA	mg/kg	N/A	50	02-AUG-18
1,1,1,2,2-Tetrachloroethane		<0.050	<0.050	RPD-NA	mg/kg	N/A	50	02-AUG-18
Tetrachloroethylene		<0.050	<0.050	RPD-NA	mg/kg	N/A	50	02-AUG-18
1,1,1-Trichloroethane		<0.050	<0.050	RPD-NA	mg/kg	N/A	50	02-AUG-18
1,1,2-Trichloroethane		<0.050	<0.050	RPD-NA	mg/kg	N/A	50	02-AUG-18
Trichloroethylene		<0.010	<0.010	RPD-NA	mg/kg	N/A	50	02-AUG-18
Trichlorofluoromethane		<0.10	<0.10	RPD-NA	mg/kg	N/A	50	02-AUG-18
Vinyl Chloride		<0.10	<0.10	RPD-NA	mg/kg	N/A	50	02-AUG-18
WG2855489-2	LCS							
Bromodichloromethane			78.0		%		70-130	22-AUG-18
Bromoform			79.3		%		70-130	22-AUG-18
Carbon Tetrachloride			65.6	LCS-ND	%		70-130	22-AUG-18
Chlorobenzene			89.4		%		70-130	22-AUG-18
Dibromochloromethane			108.8		%		70-130	22-AUG-18
Chloroethane			75.1		%		60-140	22-AUG-18
Chloroform			99.9		%		70-130	22-AUG-18
Chloromethane			84.6		%		60-140	22-AUG-18
1,2-Dichlorobenzene			72.5		%		70-130	22-AUG-18
1,3-Dichlorobenzene			62.9	LCS-ND	%		70-130	22-AUG-18
1,4-Dichlorobenzene			66.0	LCS-ND	%		70-140	22-AUG-18
1,1-Dichloroethane			82.3		%		70-130	22-AUG-18
1,2-Dichloroethane			76.0		%		70-130	22-AUG-18
1,1-Dichloroethylene			66.0	LCS-ND	%		70-130	22-AUG-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-HSMS-VA		Soil						
Batch	R4172291							
WG2855489-2		LCS						
cis-1,2-Dichloroethylene			66.5	LCS-ND	%		70-130	22-AUG-18
trans-1,2-Dichloroethylene			64.6	LCS-ND	%		70-130	22-AUG-18
Dichloromethane			71.3		%		60-140	22-AUG-18
1,2-Dichloropropane			78.1		%		70-130	22-AUG-18
cis-1,3-Dichloropropylene			84.7		%		70-130	22-AUG-18
trans-1,3-Dichloropropylene			77.5		%		70-130	22-AUG-18
1,1,1,2-Tetrachloroethane			83.9		%		70-130	22-AUG-18
1,1,2,2-Tetrachloroethane			81.9		%		70-130	22-AUG-18
Tetrachloroethylene			78.8		%		70-130	22-AUG-18
1,1,1-Trichloroethane			86.2		%		70-130	22-AUG-18
1,1,2-Trichloroethane			91.4		%		70-130	22-AUG-18
Trichloroethylene			67.7	LCS-ND	%		70-130	22-AUG-18
Trichlorofluoromethane			69.8		%		60-140	22-AUG-18
Vinyl Chloride			71.3		%		60-140	22-AUG-18
WG2858602-2		LCS						
Bromodichloromethane			105.5		%		70-130	27-AUG-18
Bromoform			112.9		%		70-130	27-AUG-18
Carbon Tetrachloride			87.2		%		70-130	27-AUG-18
Chlorobenzene			123.8		%		70-130	27-AUG-18
Dibromochloromethane			107.4		%		70-130	27-AUG-18
Chloroethane			100.1		%		60-140	27-AUG-18
Chloroform			131.0	LCS-ND	%		70-130	27-AUG-18
Chloromethane			110.8		%		60-140	27-AUG-18
1,2-Dichlorobenzene			99.1		%		70-130	27-AUG-18
1,3-Dichlorobenzene			85.1		%		70-130	27-AUG-18
1,4-Dichlorobenzene			88.7		%		70-140	27-AUG-18
1,1-Dichloroethane			109.1		%		70-130	27-AUG-18
1,2-Dichloroethane			101.3		%		70-130	27-AUG-18
1,1-Dichloroethylene			87.1		%		70-130	27-AUG-18
cis-1,2-Dichloroethylene			92.5		%		70-130	27-AUG-18
trans-1,2-Dichloroethylene			84.7		%		70-130	27-AUG-18
Dichloromethane			96.2		%		60-140	27-AUG-18
1,2-Dichloropropane			104.5		%		70-130	27-AUG-18
cis-1,3-Dichloropropylene			111.8		%		70-130	27-AUG-18



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VOC-HSMS-VA		Soil						
Batch	R4172291							
WG2858602-2		LCS						
trans-1,3-Dichloropropylene			107.7		%		70-130	27-AUG-18
1,1,1,2-Tetrachloroethane			115.4		%		70-130	27-AUG-18
1,1,2,2-Tetrachloroethane			115.5		%		70-130	27-AUG-18
Tetrachloroethylene			108.4		%		70-130	27-AUG-18
1,1,1-Trichloroethane			114.8		%		70-130	27-AUG-18
1,1,2-Trichloroethane			127.6		%		70-130	27-AUG-18
Trichloroethylene			90.1		%		70-130	27-AUG-18
Trichlorofluoromethane			77.8		%		60-140	27-AUG-18
Vinyl Chloride			93.4		%		60-140	27-AUG-18
WG2860196-2		LCS						
Bromodichloromethane			104.7		%		70-130	26-AUG-18
Bromoform			107.9		%		70-130	26-AUG-18
Carbon Tetrachloride			86.3		%		70-130	26-AUG-18
Chlorobenzene			129.1		%		70-130	26-AUG-18
Dibromochloromethane			110.4		%		70-130	26-AUG-18
Chloroethane			106.5		%		60-140	26-AUG-18
Chloroform			92.0		%		70-130	26-AUG-18
Chloromethane			124.3		%		60-140	26-AUG-18
1,2-Dichlorobenzene			102.5		%		70-130	26-AUG-18
1,3-Dichlorobenzene			92.3		%		70-130	26-AUG-18
1,4-Dichlorobenzene			96.8		%		70-140	26-AUG-18
1,1-Dichloroethane			108.3		%		70-130	26-AUG-18
1,2-Dichloroethane			98.5		%		70-130	26-AUG-18
1,1-Dichloroethylene			89.7		%		70-130	26-AUG-18
cis-1,2-Dichloroethylene			92.2		%		70-130	26-AUG-18
trans-1,2-Dichloroethylene			89.1		%		70-130	26-AUG-18
Dichloromethane			96.1		%		60-140	26-AUG-18
1,2-Dichloropropane			104.9		%		70-130	26-AUG-18
cis-1,3-Dichloropropylene			101.3		%		70-130	26-AUG-18
trans-1,3-Dichloropropylene			106.5		%		70-130	26-AUG-18
1,1,1,2-Tetrachloroethane			119.8		%		70-130	26-AUG-18
1,1,2,2-Tetrachloroethane			110.8		%		70-130	26-AUG-18
Tetrachloroethylene			116.5		%		70-130	26-AUG-18
1,1,1-Trichloroethane			113.7		%		70-130	26-AUG-18

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VOC-HSMS-VA		Soil						
Batch	R4172291							
WG2860196-2	LCS							
1,1,2-Trichloroethane			83.8		%		70-130	26-AUG-18
Trichloroethylene			93.8		%		70-130	26-AUG-18
Trichlorofluoromethane			88.0		%		60-140	26-AUG-18
Vinyl Chloride			104.5		%		60-140	26-AUG-18
WG2861388-2	LCS							
Bromodichloromethane			99.3		%		70-130	28-AUG-18
Bromoform			108.5		%		70-130	28-AUG-18
Carbon Tetrachloride			82.2		%		70-130	28-AUG-18
Chlorobenzene			100.9		%		70-130	28-AUG-18
Dibromochloromethane			90.8		%		70-130	28-AUG-18
Chloroethane			94.9		%		60-140	28-AUG-18
Chloroform			87.8		%		70-130	28-AUG-18
Chloromethane			102.7		%		60-140	28-AUG-18
1,2-Dichlorobenzene			103.1		%		70-130	28-AUG-18
1,3-Dichlorobenzene			91.7		%		70-130	28-AUG-18
1,4-Dichlorobenzene			95.3		%		70-140	28-AUG-18
1,1-Dichloroethane			104.5		%		70-130	28-AUG-18
1,2-Dichloroethane			93.6		%		70-130	28-AUG-18
1,1-Dichloroethylene			82.7		%		70-130	28-AUG-18
cis-1,2-Dichloroethylene			87.8		%		70-130	28-AUG-18
trans-1,2-Dichloroethylene			84.7		%		70-130	28-AUG-18
Dichloromethane			90.6		%		60-140	28-AUG-18
1,2-Dichloropropane			101.3		%		70-130	28-AUG-18
cis-1,3-Dichloropropylene			92.1		%		70-130	28-AUG-18
trans-1,3-Dichloropropylene			99.6		%		70-130	28-AUG-18
1,1,1,2-Tetrachloroethane			92.2		%		70-130	28-AUG-18
1,1,2,2-Tetrachloroethane			113.0		%		70-130	28-AUG-18
Tetrachloroethylene			90.5		%		70-130	28-AUG-18
1,1,1-Trichloroethane			109.3		%		70-130	28-AUG-18
1,1,2-Trichloroethane			95.7		%		70-130	28-AUG-18
Trichloroethylene			89.4		%		70-130	28-AUG-18
Trichlorofluoromethane			76.9		%		60-140	28-AUG-18
Vinyl Chloride			88.7		%		60-140	28-AUG-18
WG2855489-1	MB							
Bromodichloromethane			<0.050		mg/kg		0.05	22-AUG-18

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VOC-HSMS-VA		Soil						
Batch	R4172291							
WG2855489-1	MB							
Bromoform			<0.050		mg/kg		0.05	22-AUG-18
Carbon Tetrachloride			<0.050		mg/kg		0.05	22-AUG-18
Chlorobenzene			<0.050		mg/kg		0.05	22-AUG-18
Dibromochloromethane			<0.050		mg/kg		0.05	22-AUG-18
Chloroethane			<0.10		mg/kg		0.1	22-AUG-18
Chloroform			<0.10		mg/kg		0.1	22-AUG-18
Chloromethane			<0.10		mg/kg		0.1	22-AUG-18
1,2-Dichlorobenzene			<0.050		mg/kg		0.05	22-AUG-18
1,3-Dichlorobenzene			<0.050		mg/kg		0.05	22-AUG-18
1,4-Dichlorobenzene			<0.050		mg/kg		0.05	22-AUG-18
1,1-Dichloroethane			<0.050		mg/kg		0.05	22-AUG-18
1,2-Dichloroethane			<0.050		mg/kg		0.05	22-AUG-18
1,1-Dichloroethylene			<0.050		mg/kg		0.05	22-AUG-18
cis-1,2-Dichloroethylene			<0.050		mg/kg		0.05	22-AUG-18
trans-1,2-Dichloroethylene			<0.050		mg/kg		0.05	22-AUG-18
Dichloromethane			<0.30		mg/kg		0.3	22-AUG-18
1,2-Dichloropropane			<0.050		mg/kg		0.05	22-AUG-18
cis-1,3-Dichloropropylene			<0.050		mg/kg		0.05	22-AUG-18
trans-1,3-Dichloropropylene			<0.050		mg/kg		0.05	22-AUG-18
1,1,1,2-Tetrachloroethane			<0.050		mg/kg		0.05	22-AUG-18
1,1,2,2-Tetrachloroethane			<0.050		mg/kg		0.05	22-AUG-18
Tetrachloroethylene			<0.050		mg/kg		0.05	22-AUG-18
1,1,1-Trichloroethane			<0.050		mg/kg		0.05	22-AUG-18
1,1,2-Trichloroethane			<0.050		mg/kg		0.05	22-AUG-18
Trichloroethylene			<0.010		mg/kg		0.01	22-AUG-18
Trichlorofluoromethane			<0.10		mg/kg		0.1	22-AUG-18
Vinyl Chloride			<0.10		mg/kg		0.1	22-AUG-18
WG2858602-1	MB							
Bromodichloromethane			<0.050		mg/kg		0.05	27-AUG-18
Bromoform			<0.050		mg/kg		0.05	27-AUG-18
Carbon Tetrachloride			<0.050		mg/kg		0.05	27-AUG-18
Chlorobenzene			<0.050		mg/kg		0.05	27-AUG-18
Dibromochloromethane			<0.050		mg/kg		0.05	27-AUG-18
Chloroethane			<0.10		mg/kg		0.1	27-AUG-18

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VOC-HSMS-VA		Soil						
Batch	R4172291							
WG2858602-1	MB							
Chloroform			<0.10		mg/kg		0.1	27-AUG-18
Chloromethane			<0.10		mg/kg		0.1	27-AUG-18
1,2-Dichlorobenzene			<0.050		mg/kg		0.05	27-AUG-18
1,3-Dichlorobenzene			<0.050		mg/kg		0.05	27-AUG-18
1,4-Dichlorobenzene			<0.050		mg/kg		0.05	27-AUG-18
1,1-Dichloroethane			<0.050		mg/kg		0.05	27-AUG-18
1,2-Dichloroethane			<0.050		mg/kg		0.05	27-AUG-18
1,1-Dichloroethylene			<0.050		mg/kg		0.05	27-AUG-18
cis-1,2-Dichloroethylene			<0.050		mg/kg		0.05	27-AUG-18
trans-1,2-Dichloroethylene			<0.050		mg/kg		0.05	27-AUG-18
Dichloromethane			<0.30		mg/kg		0.3	27-AUG-18
1,2-Dichloropropane			<0.050		mg/kg		0.05	27-AUG-18
cis-1,3-Dichloropropylene			<0.050		mg/kg		0.05	27-AUG-18
trans-1,3-Dichloropropylene			<0.050		mg/kg		0.05	27-AUG-18
1,1,1,2-Tetrachloroethane			<0.050		mg/kg		0.05	27-AUG-18
1,1,2,2-Tetrachloroethane			<0.050		mg/kg		0.05	27-AUG-18
Tetrachloroethylene			<0.050		mg/kg		0.05	27-AUG-18
1,1,1-Trichloroethane			<0.050		mg/kg		0.05	27-AUG-18
1,1,2-Trichloroethane			<0.050		mg/kg		0.05	27-AUG-18
Trichloroethylene			<0.010		mg/kg		0.01	27-AUG-18
Trichlorofluoromethane			<0.10		mg/kg		0.1	27-AUG-18
Vinyl Chloride			<0.10		mg/kg		0.1	27-AUG-18
WG2860196-1	MB							
Bromodichloromethane			<0.050		mg/kg		0.05	26-AUG-18
Bromoform			<0.050		mg/kg		0.05	26-AUG-18
Carbon Tetrachloride			<0.050		mg/kg		0.05	26-AUG-18
Chlorobenzene			<0.050		mg/kg		0.05	26-AUG-18
Dibromochloromethane			<0.050		mg/kg		0.05	26-AUG-18
Chloroethane			<0.10		mg/kg		0.1	26-AUG-18
Chloroform			<0.10		mg/kg		0.1	26-AUG-18
Chloromethane			<0.10		mg/kg		0.1	26-AUG-18
1,2-Dichlorobenzene			<0.050		mg/kg		0.05	26-AUG-18
1,3-Dichlorobenzene			<0.050		mg/kg		0.05	26-AUG-18
1,4-Dichlorobenzene			<0.050		mg/kg		0.05	26-AUG-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-HSMS-VA		Soil						
Batch	R4172291							
WG2860196-1	MB							
1,1-Dichloroethane			<0.050		mg/kg		0.05	26-AUG-18
1,2-Dichloroethane			<0.050		mg/kg		0.05	26-AUG-18
1,1-Dichloroethylene			<0.050		mg/kg		0.05	26-AUG-18
cis-1,2-Dichloroethylene			<0.050		mg/kg		0.05	26-AUG-18
trans-1,2-Dichloroethylene			<0.050		mg/kg		0.05	26-AUG-18
Dichloromethane			<0.30		mg/kg		0.3	26-AUG-18
1,2-Dichloropropane			<0.050		mg/kg		0.05	26-AUG-18
cis-1,3-Dichloropropylene			<0.050		mg/kg		0.05	26-AUG-18
trans-1,3-Dichloropropylene			<0.050		mg/kg		0.05	26-AUG-18
1,1,1,2-Tetrachloroethane			<0.050		mg/kg		0.05	26-AUG-18
1,1,2,2-Tetrachloroethane			<0.050		mg/kg		0.05	26-AUG-18
Tetrachloroethylene			<0.050		mg/kg		0.05	26-AUG-18
1,1,1-Trichloroethane			<0.050		mg/kg		0.05	26-AUG-18
1,1,2-Trichloroethane			<0.050		mg/kg		0.05	26-AUG-18
Trichloroethylene			<0.010		mg/kg		0.01	26-AUG-18
Trichlorofluoromethane			<0.10		mg/kg		0.1	26-AUG-18
Vinyl Chloride			<0.10		mg/kg		0.1	26-AUG-18
WG2861388-1	MB							
Bromodichloromethane			<0.050		mg/kg		0.05	28-AUG-18
Bromoform			<0.050		mg/kg		0.05	28-AUG-18
Carbon Tetrachloride			<0.050		mg/kg		0.05	28-AUG-18
Chlorobenzene			<0.050		mg/kg		0.05	28-AUG-18
Dibromochloromethane			<0.050		mg/kg		0.05	28-AUG-18
Chloroethane			<0.10		mg/kg		0.1	28-AUG-18
Chloroform			<0.10		mg/kg		0.1	28-AUG-18
Chloromethane			<0.10		mg/kg		0.1	28-AUG-18
1,2-Dichlorobenzene			<0.050		mg/kg		0.05	28-AUG-18
1,3-Dichlorobenzene			<0.050		mg/kg		0.05	28-AUG-18
1,4-Dichlorobenzene			<0.050		mg/kg		0.05	28-AUG-18
1,1-Dichloroethane			<0.050		mg/kg		0.05	28-AUG-18
1,2-Dichloroethane			<0.050		mg/kg		0.05	28-AUG-18
1,1-Dichloroethylene			<0.050		mg/kg		0.05	28-AUG-18
cis-1,2-Dichloroethylene			<0.050		mg/kg		0.05	28-AUG-18
trans-1,2-Dichloroethylene			<0.050		mg/kg		0.05	28-AUG-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-HSMS-VA		Soil						
Batch	R4172291							
WG2861388-1	MB							
Dichloromethane			<0.30		mg/kg		0.3	28-AUG-18
1,2-Dichloropropane			<0.050		mg/kg		0.05	28-AUG-18
cis-1,3-Dichloropropylene			<0.050		mg/kg		0.05	28-AUG-18
trans-1,3-Dichloropropylene			<0.050		mg/kg		0.05	28-AUG-18
1,1,1,2-Tetrachloroethane			<0.050		mg/kg		0.05	28-AUG-18
1,1,2,2-Tetrachloroethane			<0.050		mg/kg		0.05	28-AUG-18
Tetrachloroethylene			<0.050		mg/kg		0.05	28-AUG-18
1,1,1-Trichloroethane			<0.050		mg/kg		0.05	28-AUG-18
1,1,2-Trichloroethane			<0.050		mg/kg		0.05	28-AUG-18
Trichloroethylene			<0.010		mg/kg		0.01	28-AUG-18
Trichlorofluoromethane			<0.10		mg/kg		0.1	28-AUG-18
Vinyl Chloride			<0.10		mg/kg		0.1	28-AUG-18
VOC7-L-HSMS-VA		Soil						
Batch	R4172291							
WG2858608-3	DUP	L2148903-4						
Benzene		<0.0050	<0.0050	RPD-NA	mg/kg	N/A	40	02-AUG-18
Ethylbenzene		<0.015	<0.015	RPD-NA	mg/kg	N/A	40	02-AUG-18
Methyl t-butyl ether (MTBE)		<0.20	<0.20	RPD-NA	mg/kg	N/A	40	02-AUG-18
Styrene		<0.050	<0.050	RPD-NA	mg/kg	N/A	40	02-AUG-18
Toluene		<0.050	<0.050	RPD-NA	mg/kg	N/A	40	02-AUG-18
meta- & para-Xylene		<0.050	<0.050	RPD-NA	mg/kg	N/A	40	02-AUG-18
ortho-Xylene		<0.050	<0.050	RPD-NA	mg/kg	N/A	40	02-AUG-18
WG2855489-2	LCS							
Benzene			69.6	LCS-ND	%		70-130	22-AUG-18
Ethylbenzene			103.3		%		70-130	22-AUG-18
Methyl t-butyl ether (MTBE)			69.4	LCS-ND	%		70-130	22-AUG-18
Styrene			75.9		%		70-130	22-AUG-18
Toluene			81.8		%		70-130	22-AUG-18
meta- & para-Xylene			78.0		%		70-130	22-AUG-18
ortho-Xylene			72.6		%		70-130	22-AUG-18
WG2858602-2	LCS							
Benzene			92.5		%		70-130	27-AUG-18
Ethylbenzene			98.0		%		70-130	27-AUG-18
Methyl t-butyl ether (MTBE)			94.5		%		70-130	27-AUG-18
Styrene			105.2		%		70-130	27-AUG-18

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC7-L-HSMS-VA		Soil						
Batch	R4172291							
WG2858602-2	LCS							
Toluene			115.0		%		70-130	27-AUG-18
meta- & para-Xylene			107.6		%		70-130	27-AUG-18
ortho-Xylene			100.4		%		70-130	27-AUG-18
WG2860196-2	LCS							
Benzene			93.5		%		70-130	26-AUG-18
Ethylbenzene			107.6		%		70-130	26-AUG-18
Methyl t-butyl ether (MTBE)			98.7		%		70-130	26-AUG-18
Styrene			114.4		%		70-130	26-AUG-18
Toluene			118.0		%		70-130	26-AUG-18
meta- & para-Xylene			115.6		%		70-130	26-AUG-18
ortho-Xylene			106.9		%		70-130	26-AUG-18
WG2861388-2	LCS							
Benzene			89.2		%		70-130	28-AUG-18
Ethylbenzene			86.0		%		70-130	28-AUG-18
Methyl t-butyl ether (MTBE)			97.1		%		70-130	28-AUG-18
Styrene			87.6		%		70-130	28-AUG-18
Toluene			86.6		%		70-130	28-AUG-18
meta- & para-Xylene			89.5		%		70-130	28-AUG-18
ortho-Xylene			82.7		%		70-130	28-AUG-18
WG2855489-1	MB							
Benzene			<0.0050		mg/kg		0.005	22-AUG-18
Ethylbenzene			<0.015		mg/kg		0.015	22-AUG-18
Methyl t-butyl ether (MTBE)			<0.20		mg/kg		0.2	22-AUG-18
Styrene			<0.050		mg/kg		0.05	22-AUG-18
Toluene			<0.050		mg/kg		0.05	22-AUG-18
meta- & para-Xylene			<0.050		mg/kg		0.05	22-AUG-18
ortho-Xylene			<0.050		mg/kg		0.05	22-AUG-18
WG2858602-1	MB							
Benzene			<0.0050		mg/kg		0.005	27-AUG-18
Ethylbenzene			<0.015		mg/kg		0.015	27-AUG-18
Methyl t-butyl ether (MTBE)			<0.20		mg/kg		0.2	27-AUG-18
Styrene			<0.050		mg/kg		0.05	27-AUG-18
Toluene			<0.050		mg/kg		0.05	27-AUG-18
meta- & para-Xylene			<0.050		mg/kg		0.05	27-AUG-18
ortho-Xylene			<0.050		mg/kg		0.05	27-AUG-18



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC7-L-HSMS-VA		Soil						
Batch	R4172291							
WG2860196-1	MB							
Benzene			<0.0050		mg/kg		0.005	26-AUG-18
Ethylbenzene			<0.015		mg/kg		0.015	26-AUG-18
Methyl t-butyl ether (MTBE)			<0.20		mg/kg		0.2	26-AUG-18
Styrene			<0.050		mg/kg		0.05	26-AUG-18
Toluene			<0.050		mg/kg		0.05	26-AUG-18
meta- & para-Xylene			<0.050		mg/kg		0.05	26-AUG-18
ortho-Xylene			<0.050		mg/kg		0.05	26-AUG-18
WG2861388-1	MB							
Benzene			<0.0050		mg/kg		0.005	28-AUG-18
Ethylbenzene			<0.015		mg/kg		0.015	28-AUG-18
Methyl t-butyl ether (MTBE)			<0.20		mg/kg		0.2	28-AUG-18
Styrene			<0.050		mg/kg		0.05	28-AUG-18
Toluene			<0.050		mg/kg		0.05	28-AUG-18
meta- & para-Xylene			<0.050		mg/kg		0.05	28-AUG-18
ortho-Xylene			<0.050		mg/kg		0.05	28-AUG-18

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Legend:

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

Sample Parameter Qualifier Definitions:

Qualifier	Description
J	Duplicate results and limits are expressed in terms of absolute difference.
LCS-ND	Lab Control Sample recovery was slightly outside ALS DQO. Reported non-detect results for associated samples were unaffected.
MB-LOR	Method Blank exceeds ALS DQO. Limits of Reporting have been adjusted for samples with positive hits below 5x blank level.
MES	Data Quality Objective was marginally exceeded (by < 10% absolute) for < 10% of analytes in a Multi-Element Scan / Multi-Parameter Scan (considered acceptable as per OMOE & CCME).
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

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

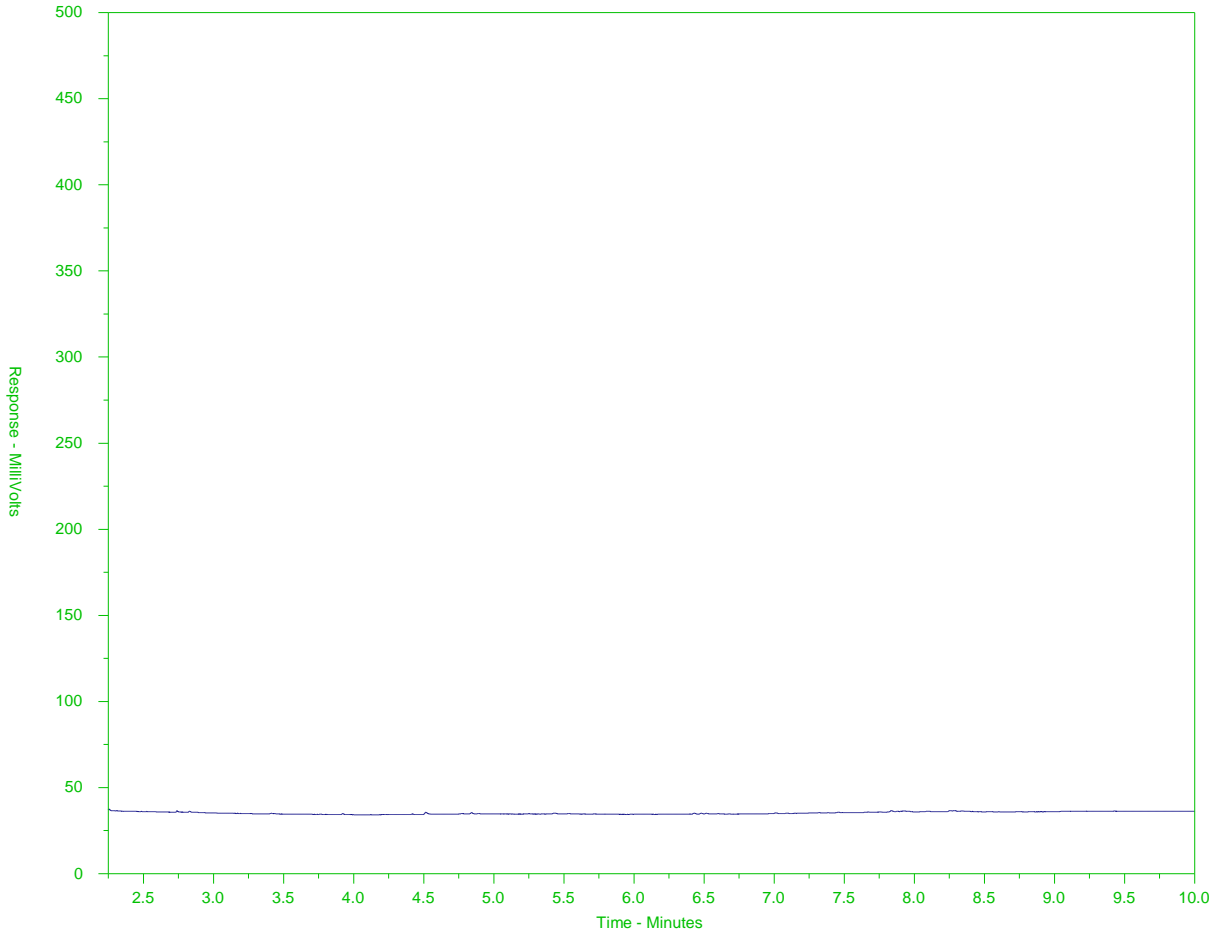
The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide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

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

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2148903-1
 Client Sample ID: SW-1-1



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →	← Diesel/ Jet Fuels →		
		← Motor Oils/ Lube Oils/ Grease →	

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

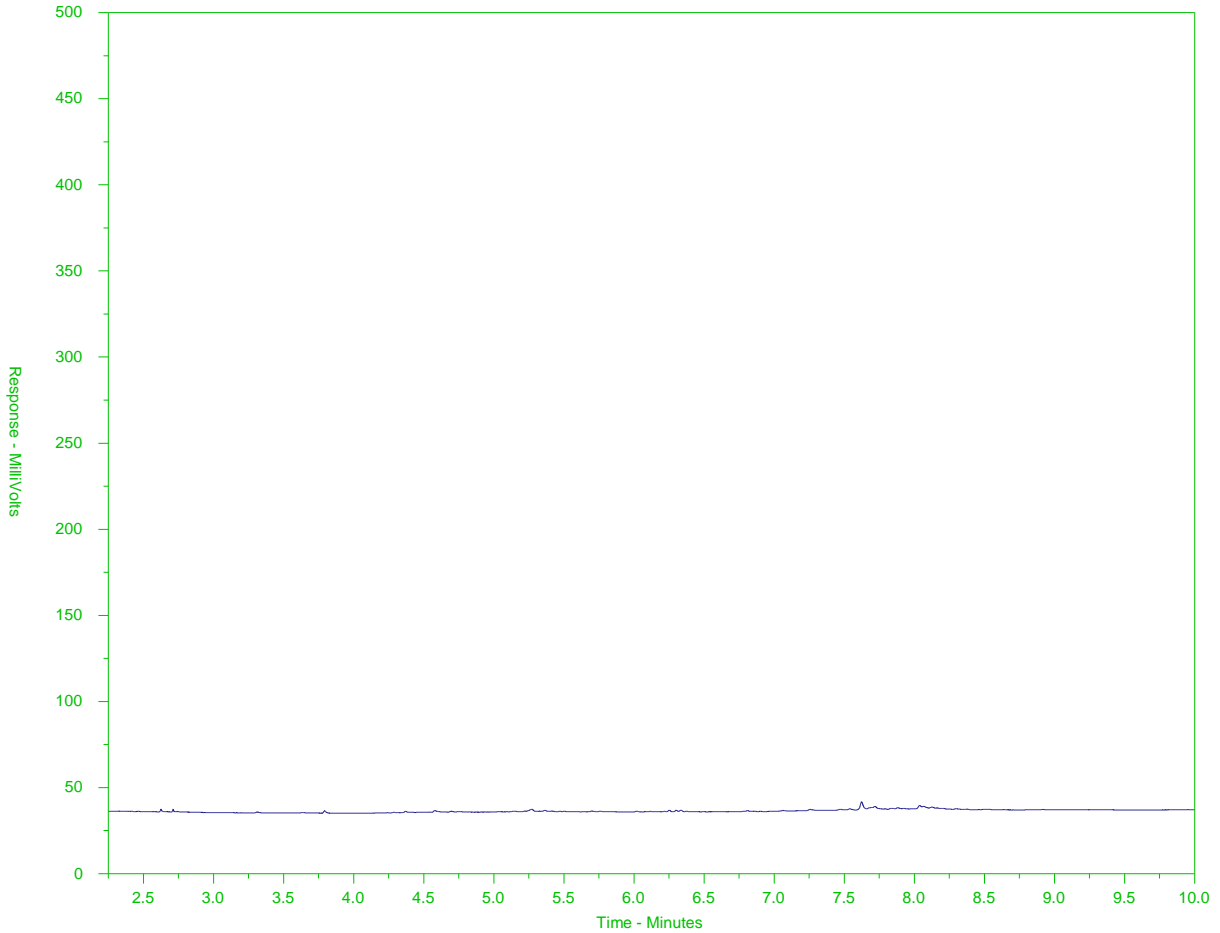
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2148903-4
 Client Sample ID: SW-2-1



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →	← Motor Oils/ Lube Oils/ Grease →		
← Diesel/ Jet Fuels →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

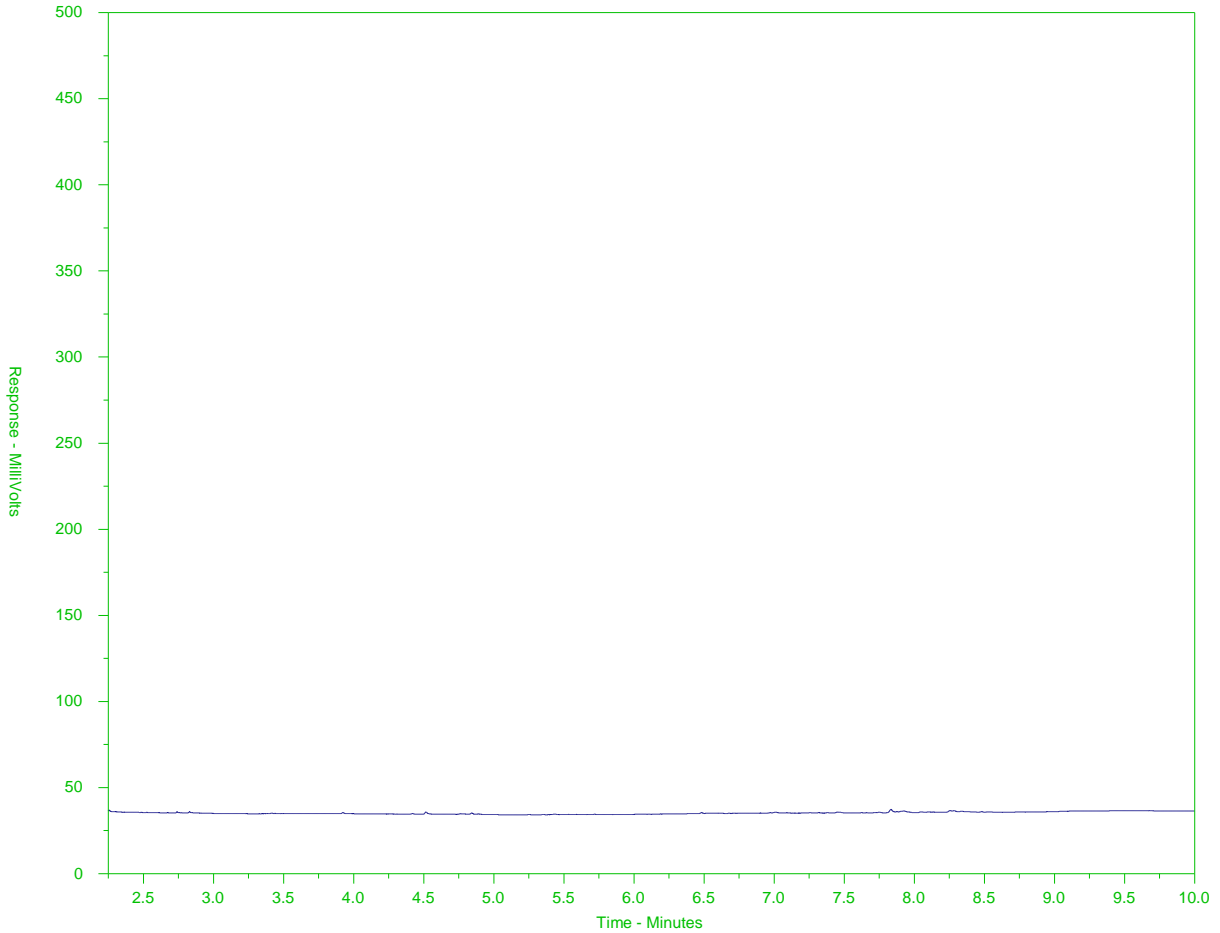
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2148903-7
 Client Sample ID: SW-3-1



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →	← Motor Oils/ Lube Oils/ Grease →		
← Diesel/ Jet Fuels →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

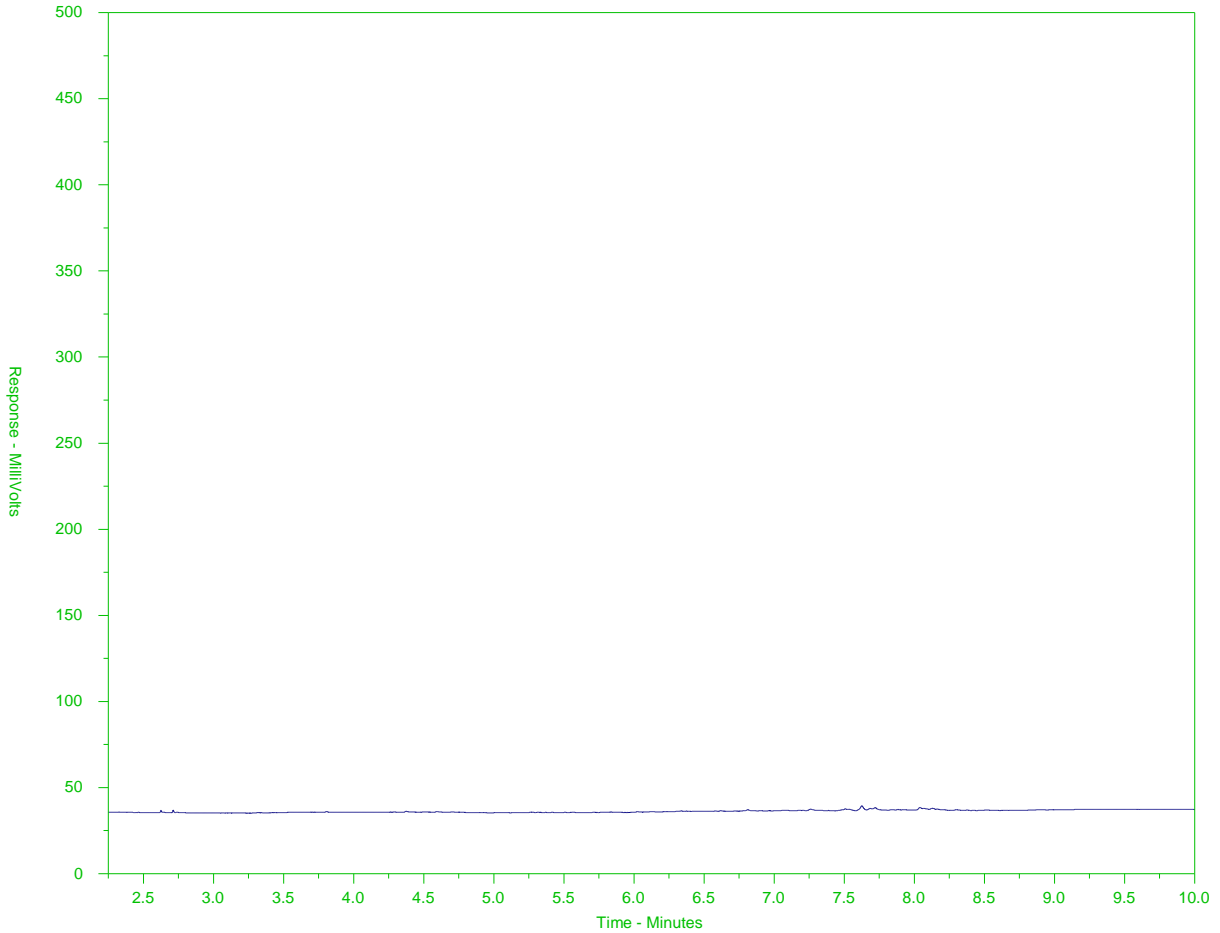
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2148903-10
 Client Sample ID: SW-4-1



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →	← Motor Oils/ Lube Oils/ Grease →		
← Diesel/ Jet Fuels →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

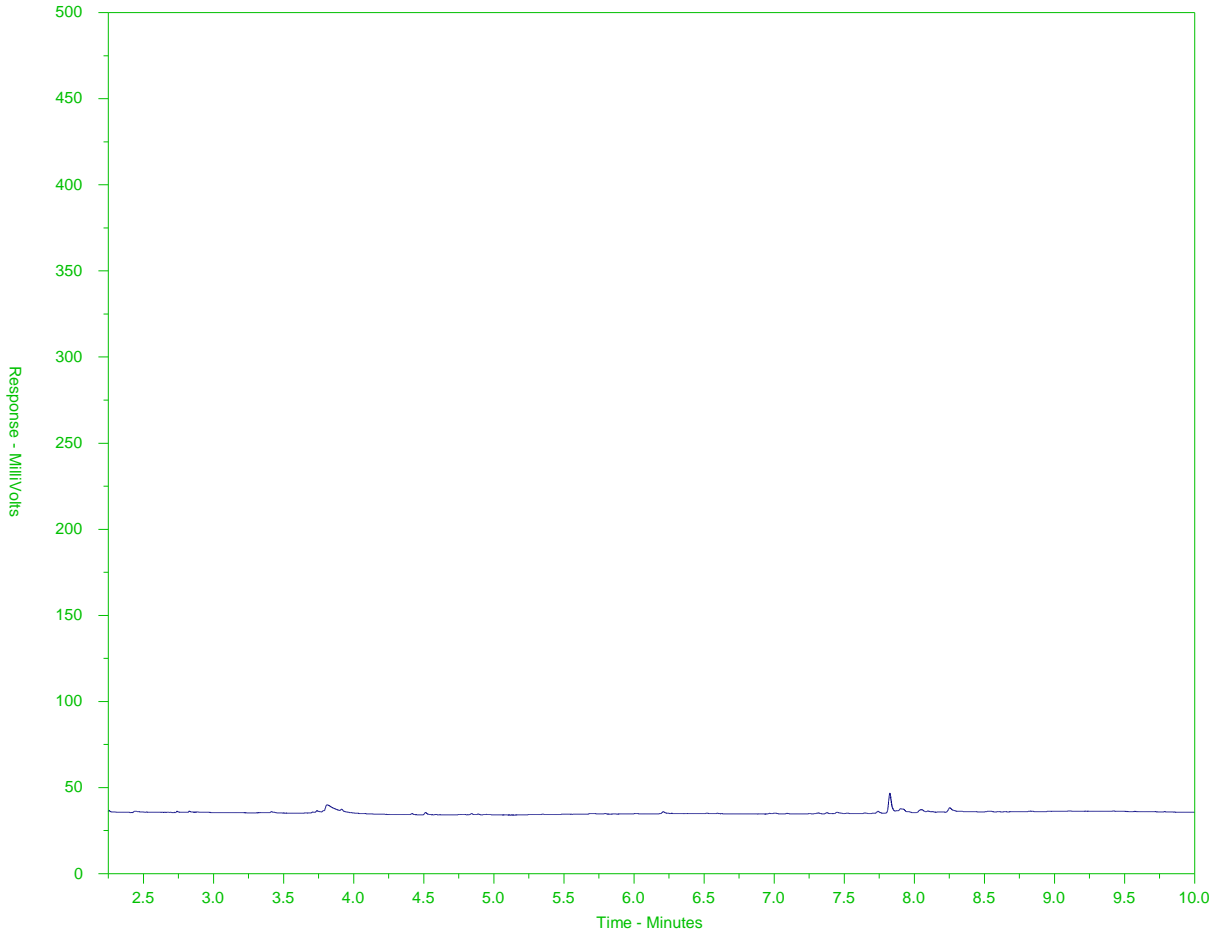
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2148903-13
 Client Sample ID: SW-5-1



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →	← Motor Oils/ Lube Oils/ Grease →		
← Diesel/ Jet Fuels →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

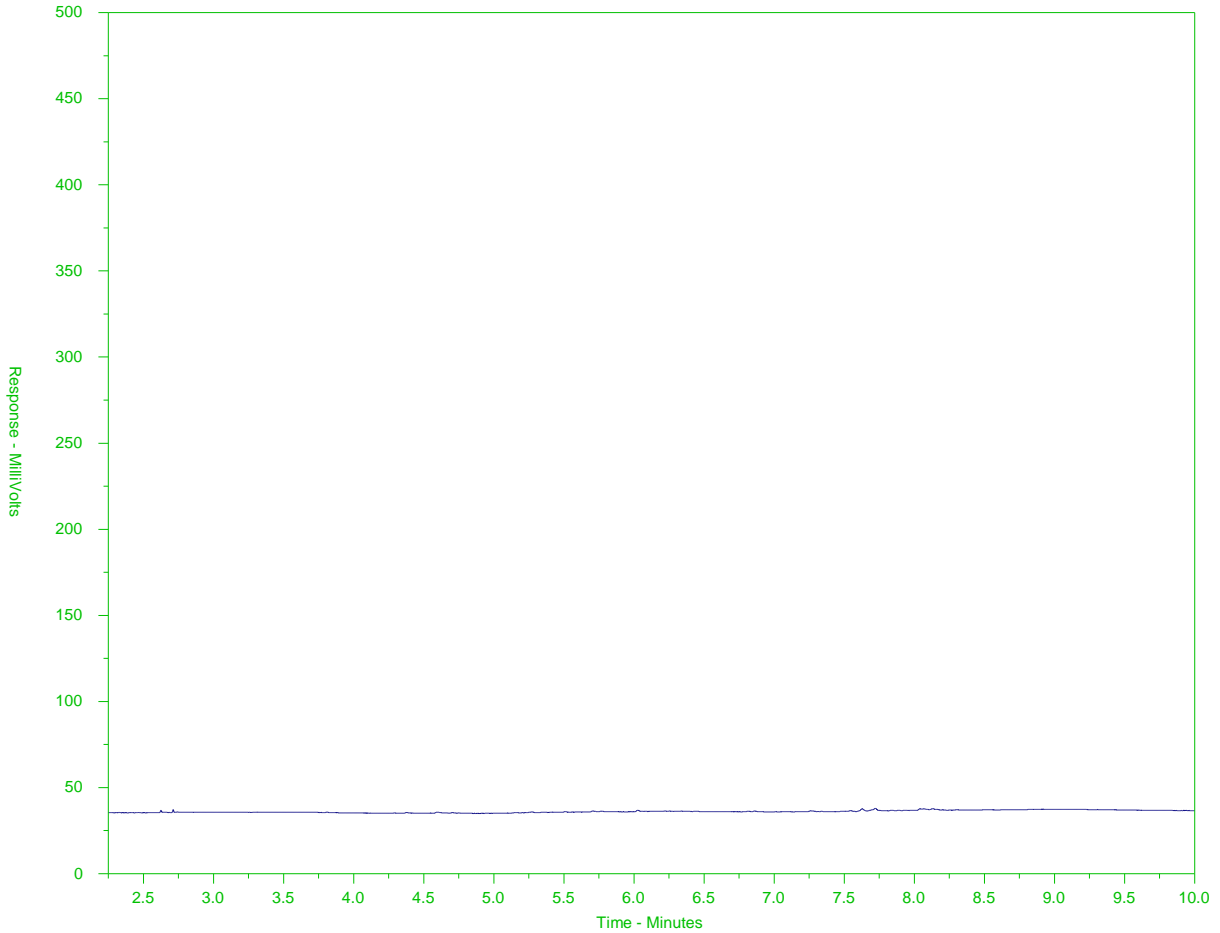
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2148903-16
 Client Sample ID: SE-1-1



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →	← Diesel/ Jet Fuels →		
← Motor Oils/ Lube Oils/ Grease →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

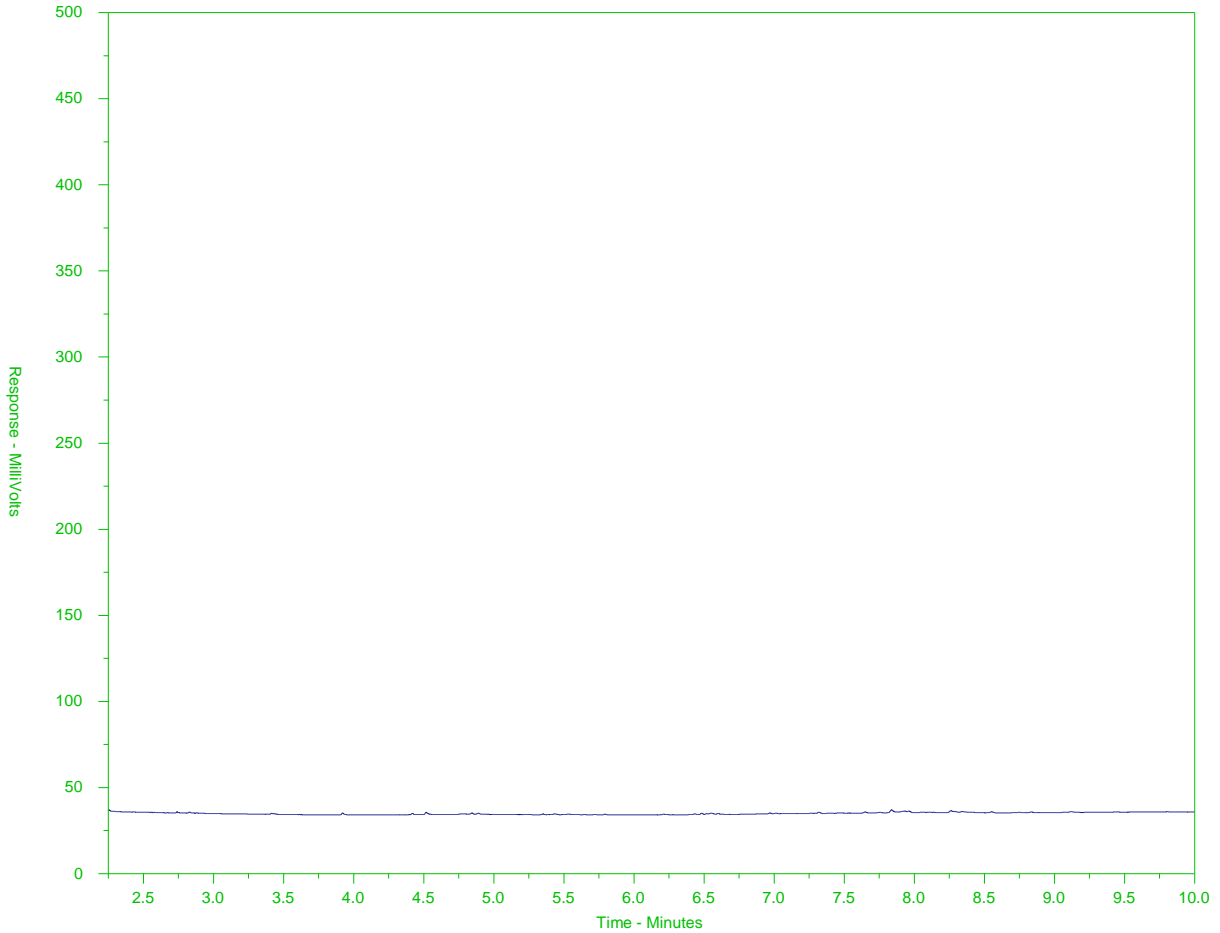
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2148903-19
 Client Sample ID: SE-2-1



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →	← Motor Oils/ Lube Oils/ Grease →		
← Diesel/ Jet Fuels →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

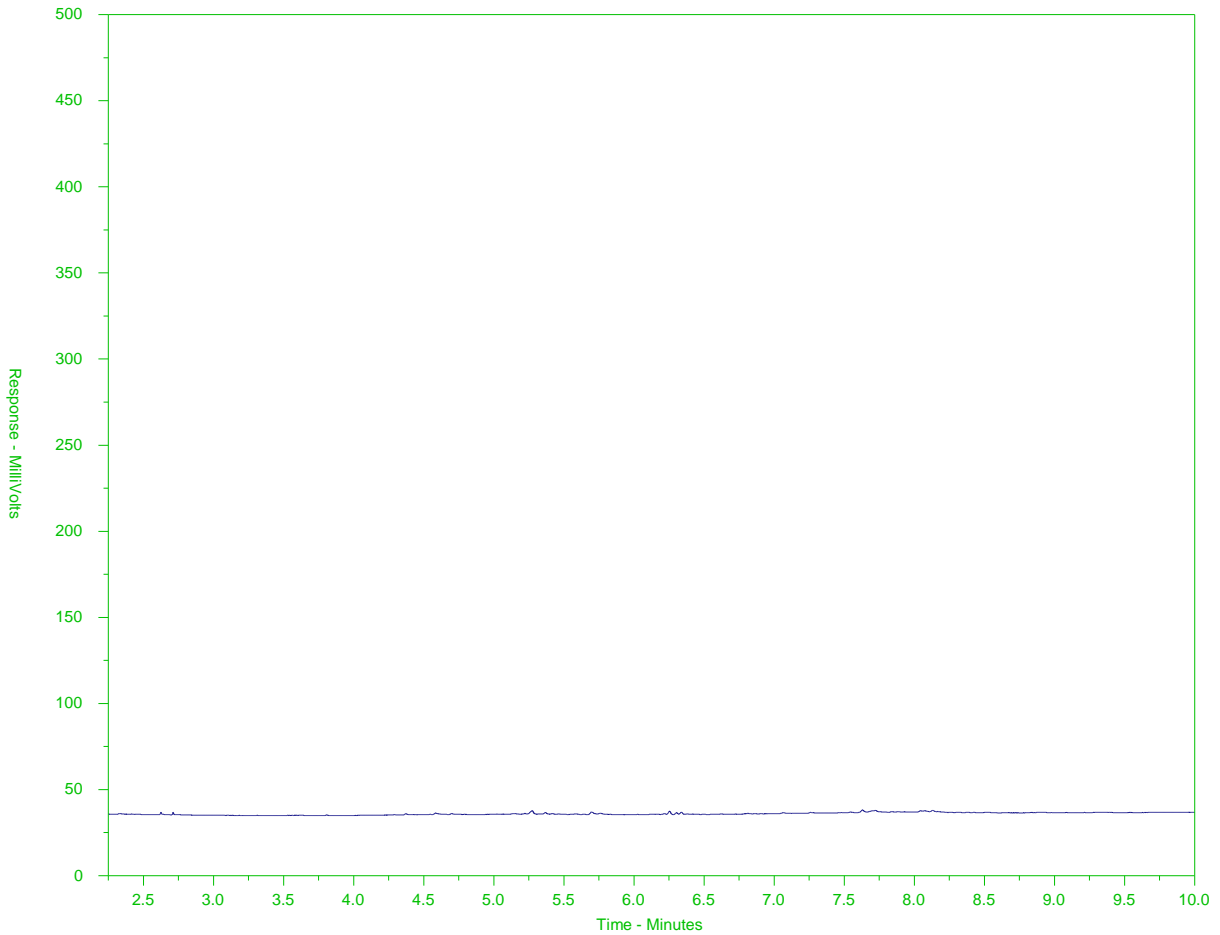
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2148903-22
 Client Sample ID: SE-3-1



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →	← Diesel/ Jet Fuels →		
← Motor Oils/ Lube Oils/ Grease →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

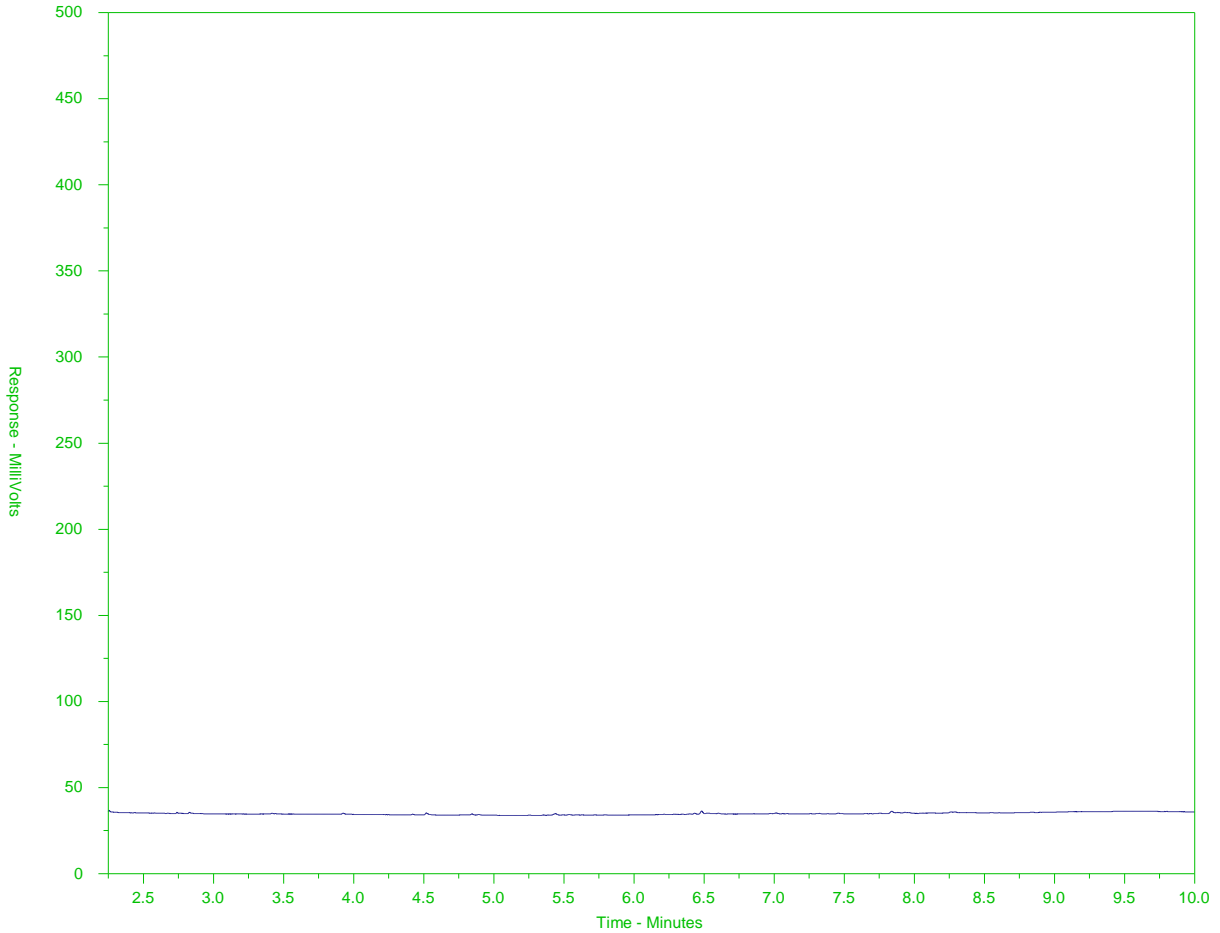
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2148903-25
 Client Sample ID: SE-4-1



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →	← Diesel/ Jet Fuels →		
	← Motor Oils/ Lube Oils/ Grease →		

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

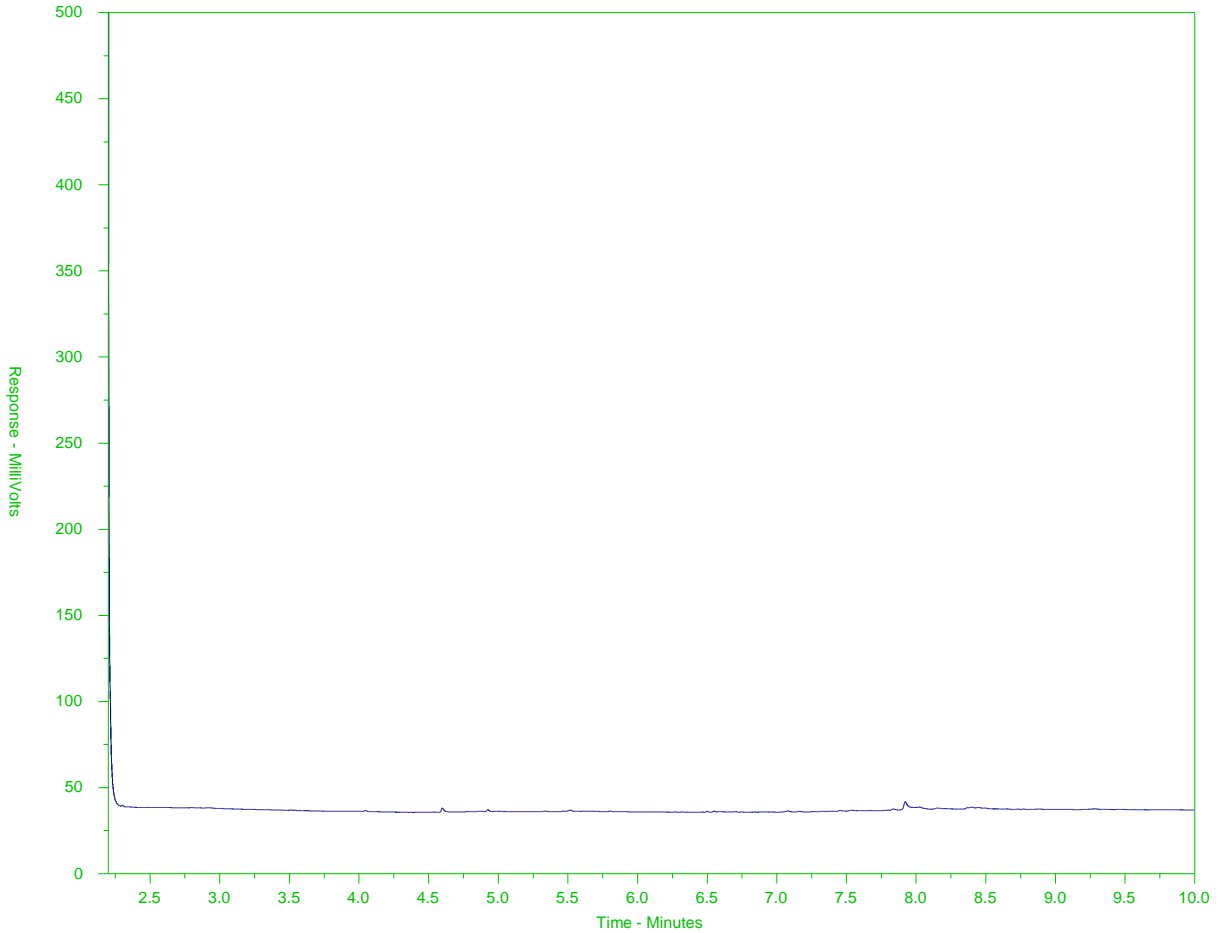
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2148903-28
 Client Sample ID: SE-5-1



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →	← Motor Oils/ Lube Oils/ Grease →		
← Diesel/ Jet Fuels →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

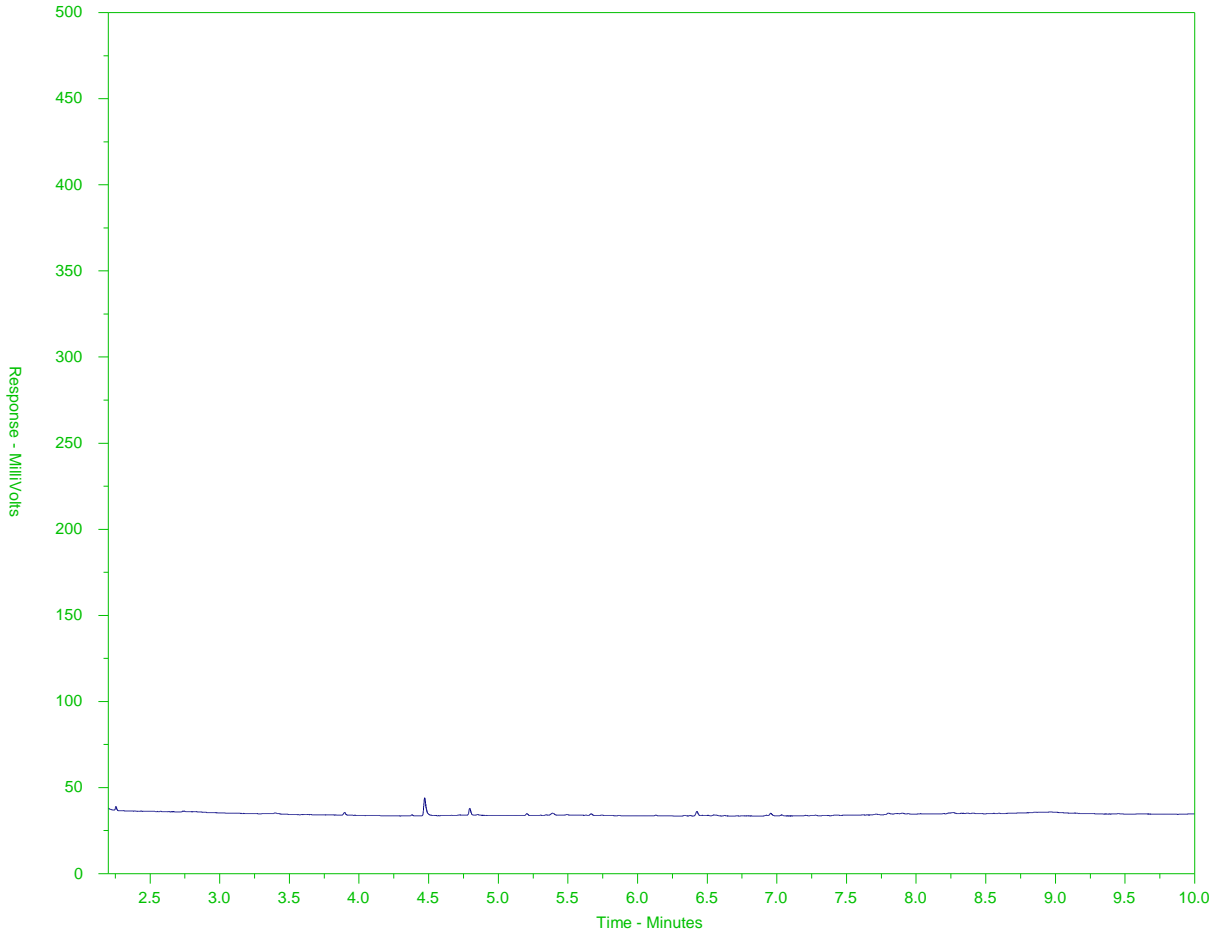
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2148903-31
 Client Sample ID: SC-2-1



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →	← Motor Oils/ Lube Oils/ Grease →		
← Diesel/ Jet Fuels →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

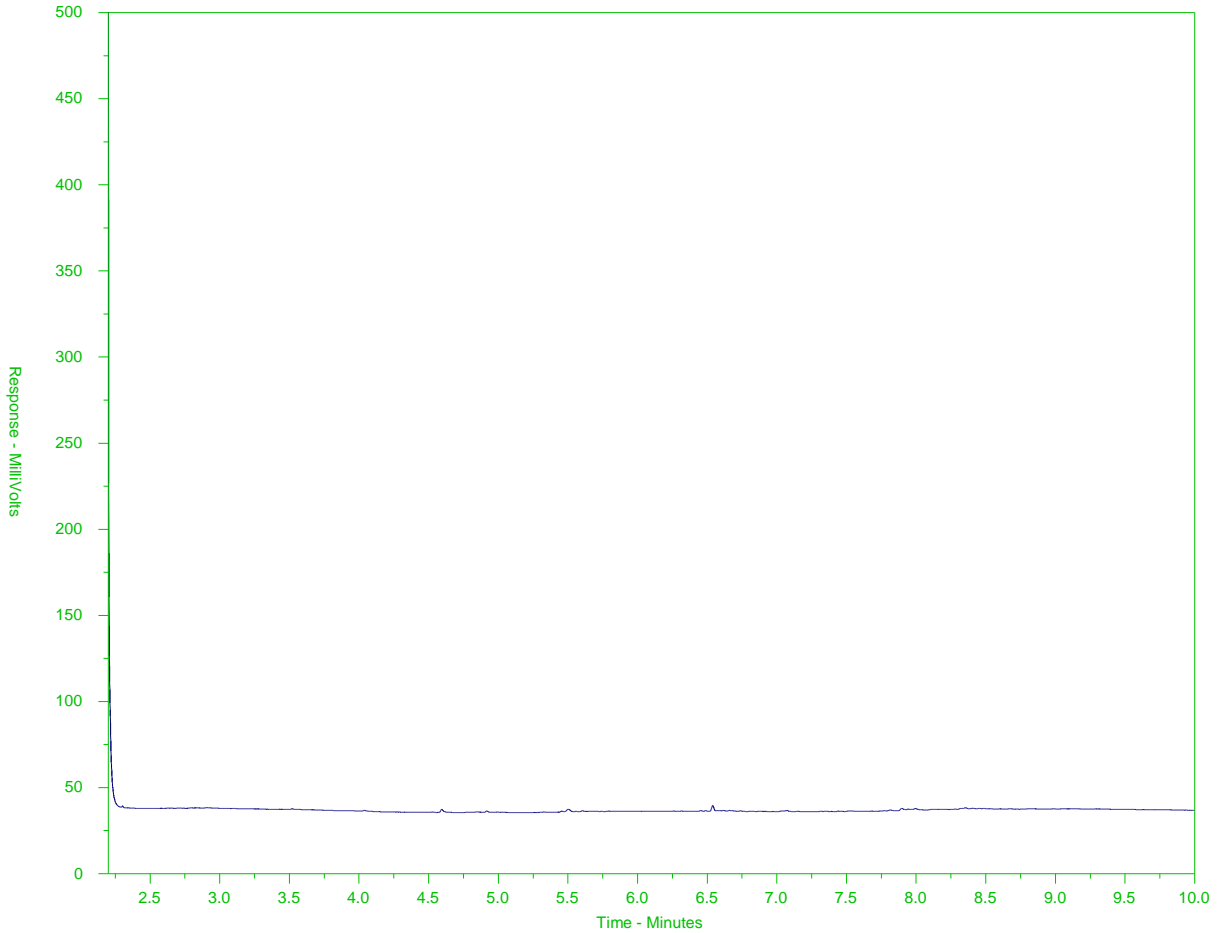
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: WG2854799-3#L2148903-31
 Client Sample ID: SC-2-1



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →	← Diesel/ Jet Fuels →		
← Motor Oils/ Lube Oils/ Grease →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

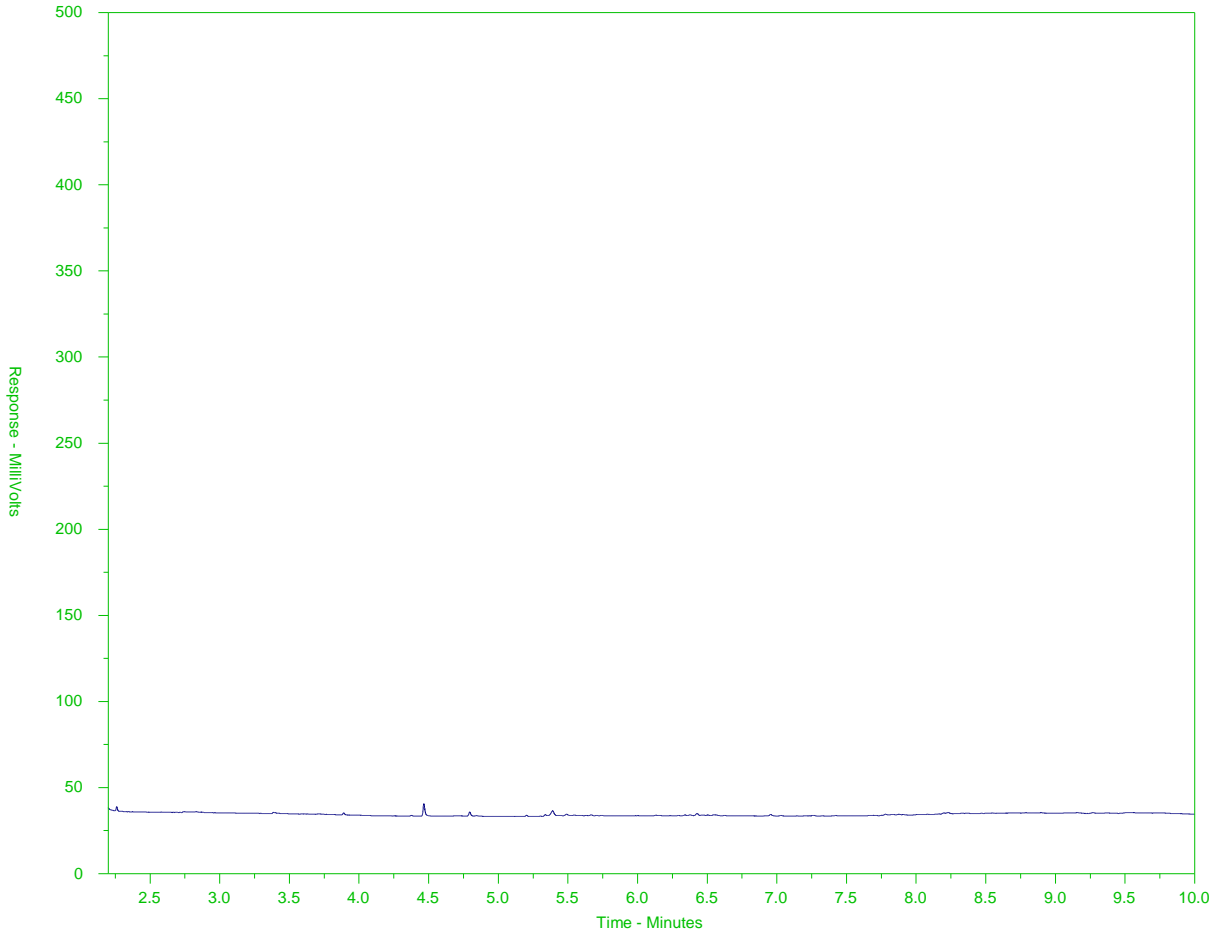
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2148903-34
 Client Sample ID: SC-3-1



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →	← Diesel/ Jet Fuels →		
	← Motor Oils/ Lube Oils/ Grease →		

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

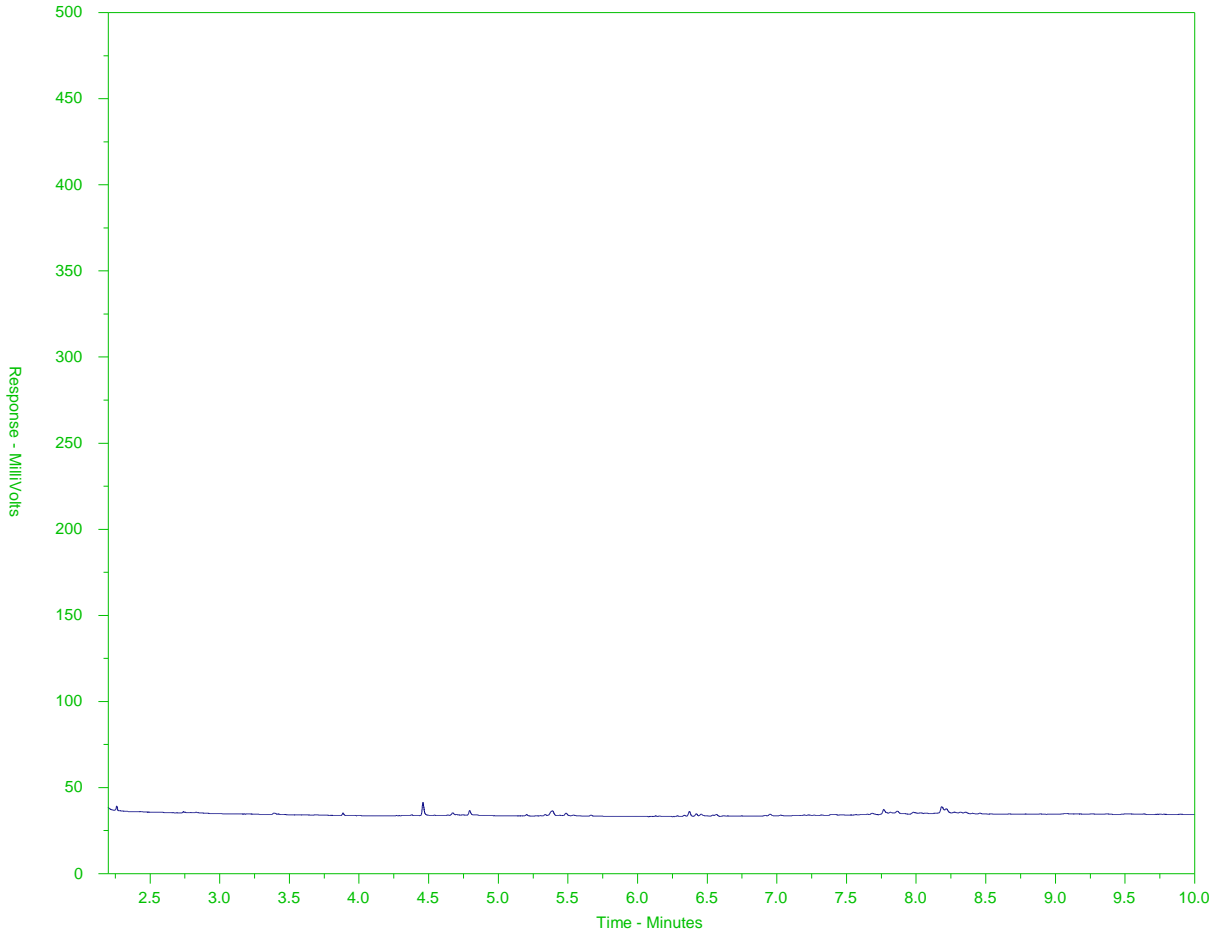
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2148903-39
 Client Sample ID: SC-4-3



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →	← Diesel/ Jet Fuels →		
	← Motor Oils/ Lube Oils/ Grease →		

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

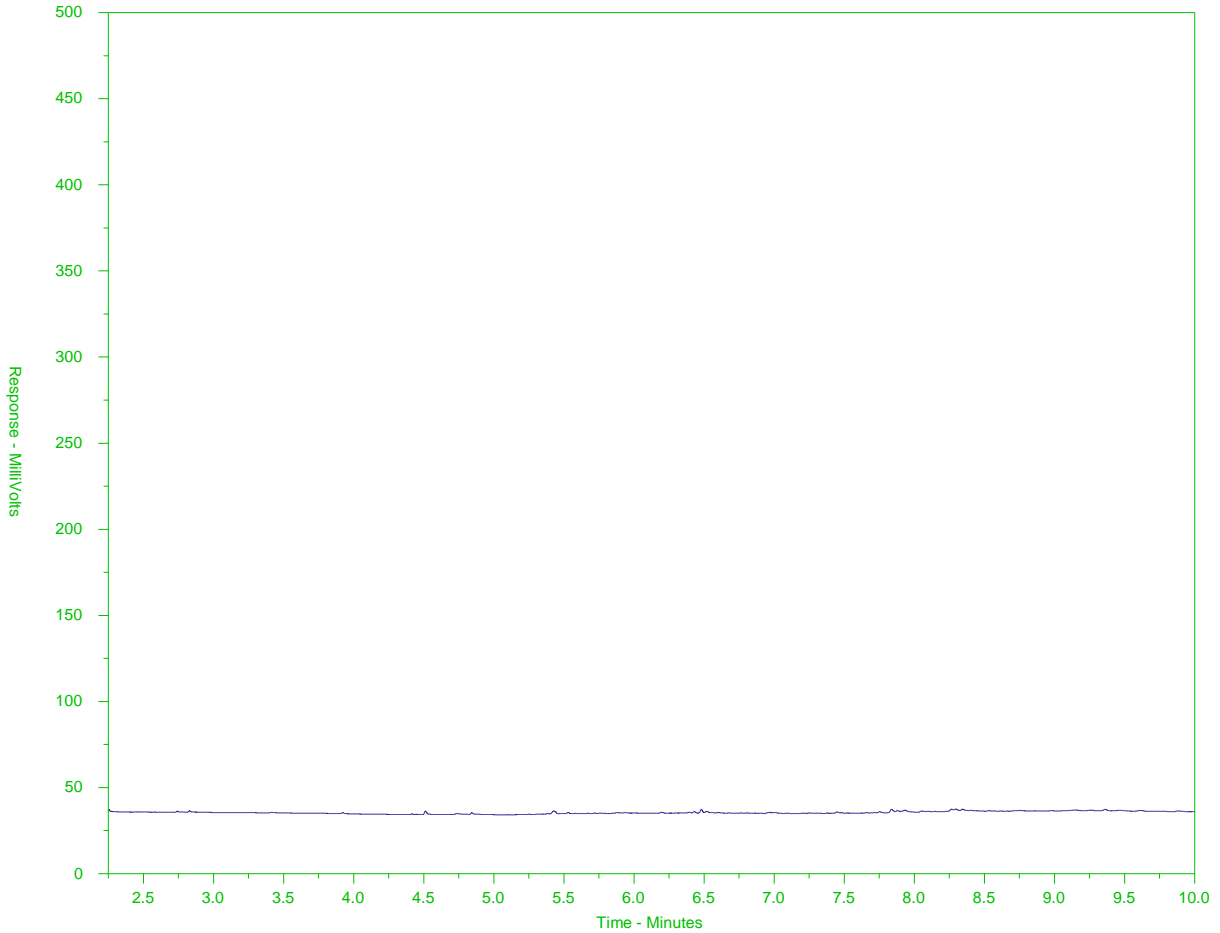
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2148903-40
 Client Sample ID: SC-5-1



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →	← Diesel/ Jet Fuels →		
← Motor Oils/ Lube Oils/ Grease →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

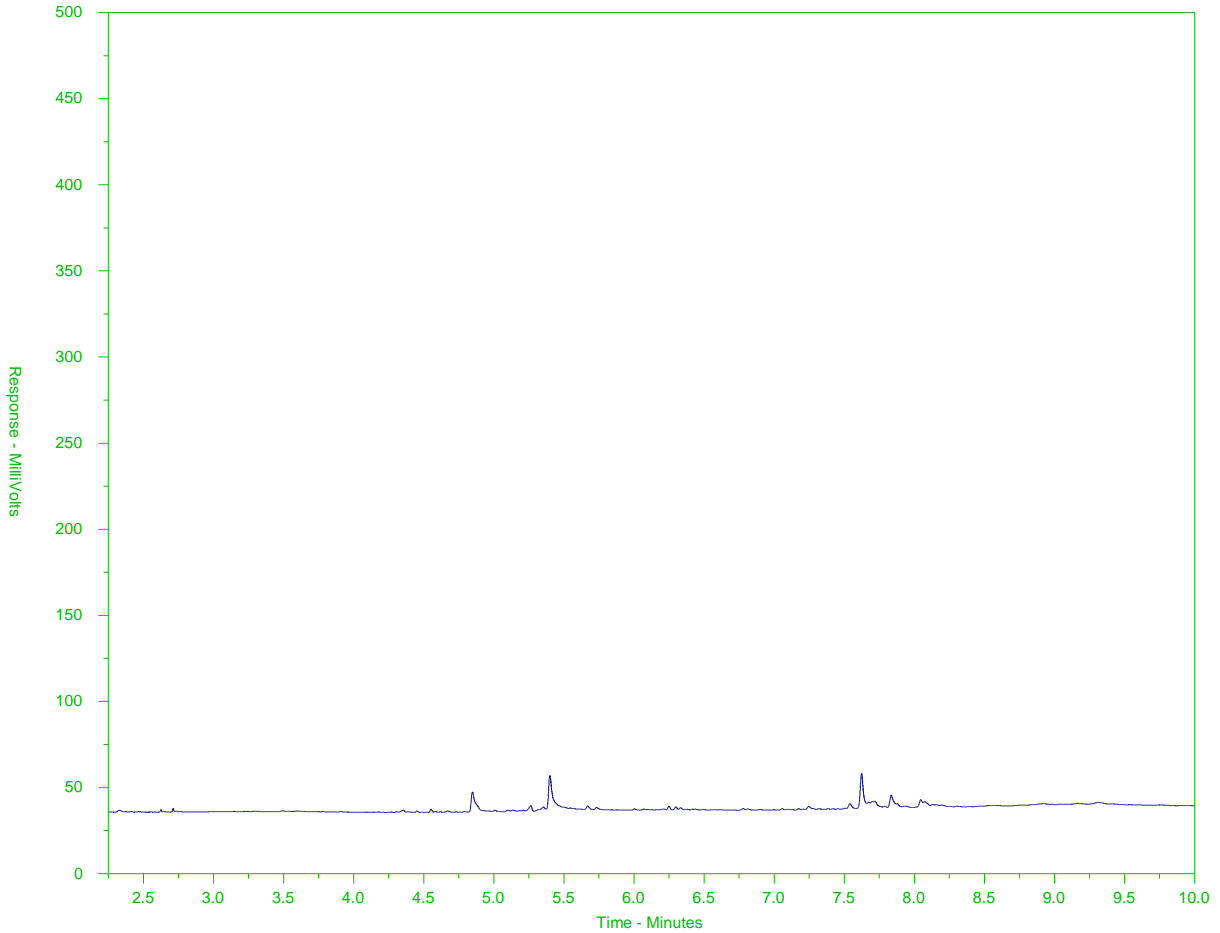
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2148903-43
 Client Sample ID: BE-2-1



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →	← Motor Oils/ Lube Oils/ Grease →		
← Diesel/ Jet Fuels →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

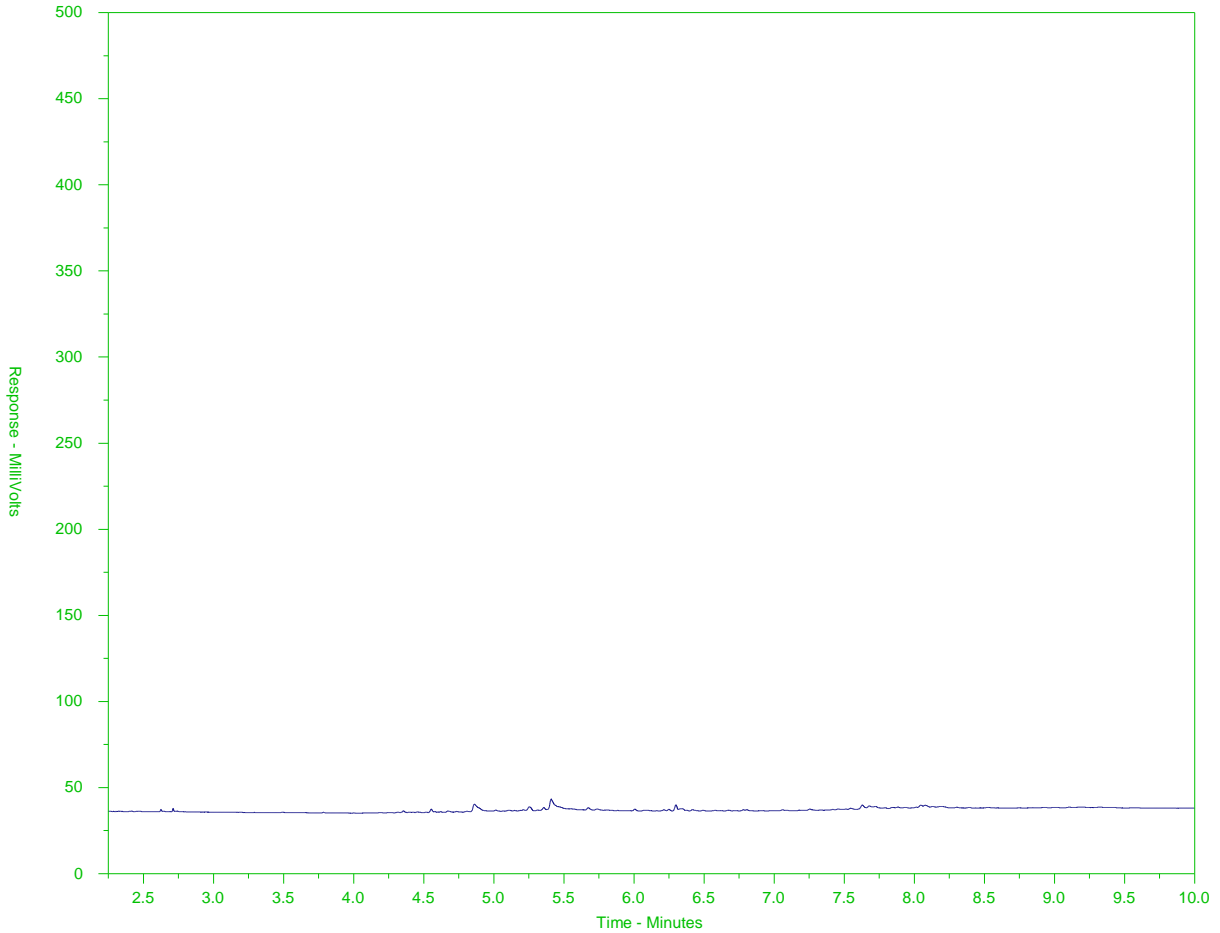
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2148903-46
 Client Sample ID: BE-5-1



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →	← Diesel/ Jet Fuels →		
	← Motor Oils/ Lube Oils/ Grease →		

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

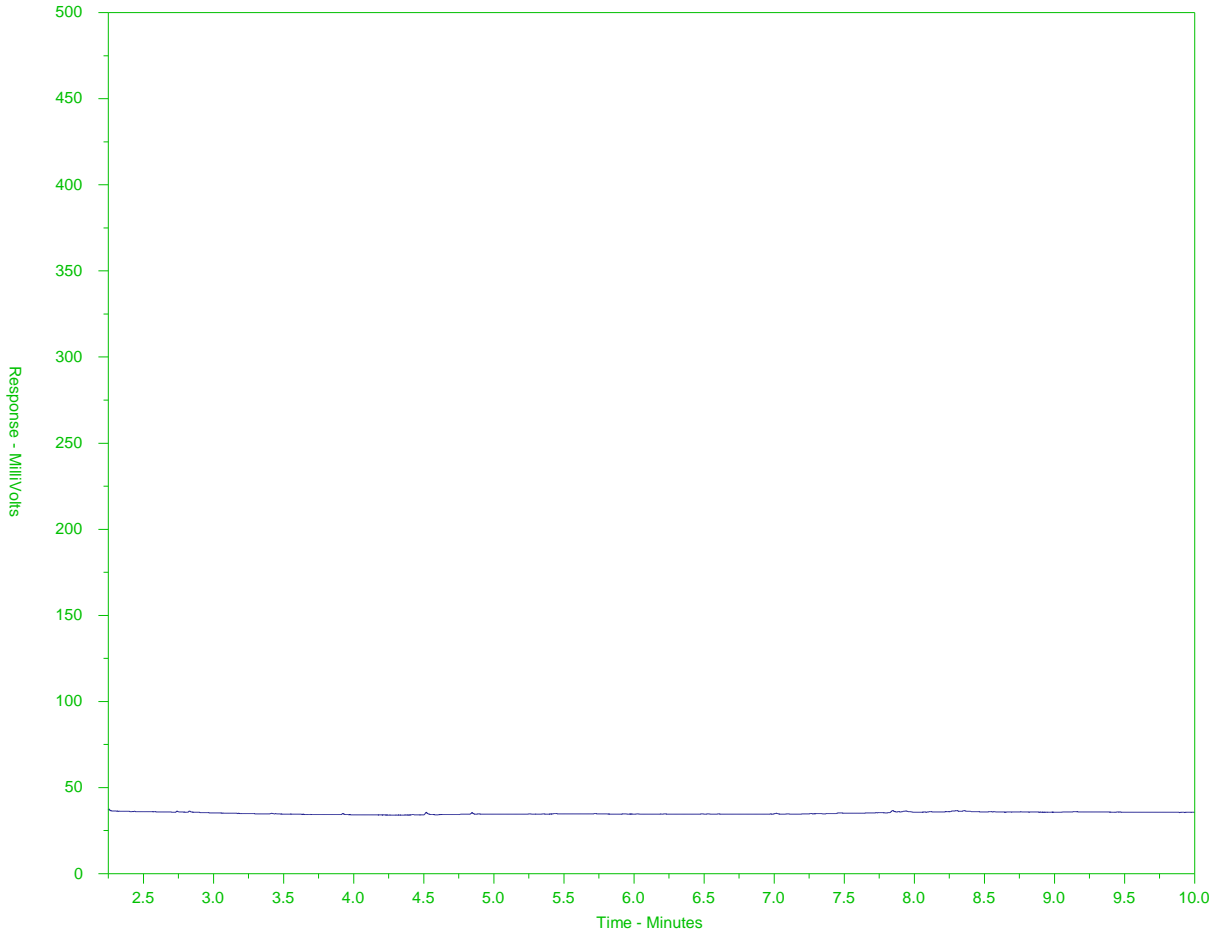
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2148903-49
 Client Sample ID: SN-1-1



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →	← Motor Oils/ Lube Oils/ Grease →		
← Diesel/ Jet Fuels →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

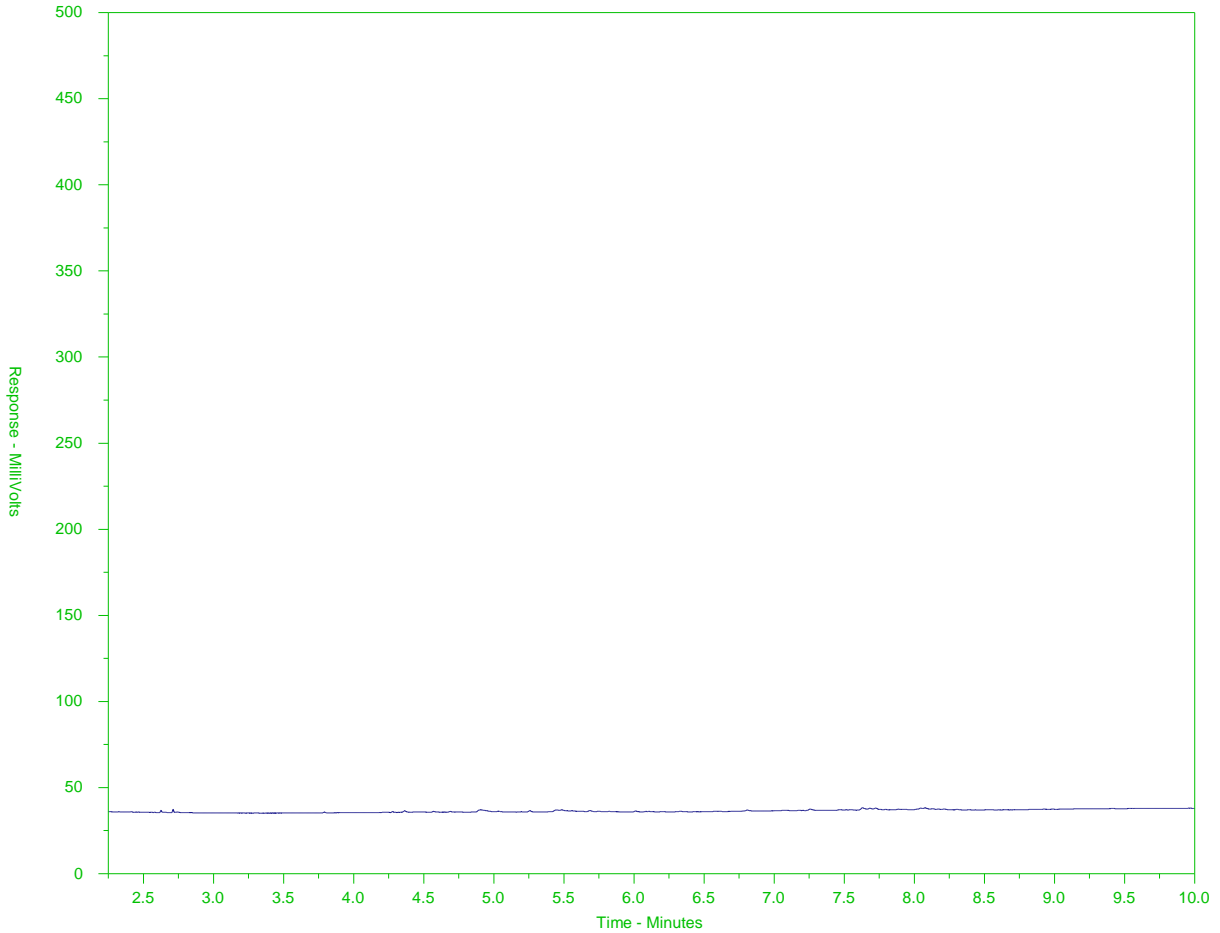
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2148903-52
 Client Sample ID: SN-2-1



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →	← Diesel/ Jet Fuels →		
← Motor Oils/ Lube Oils/ Grease →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

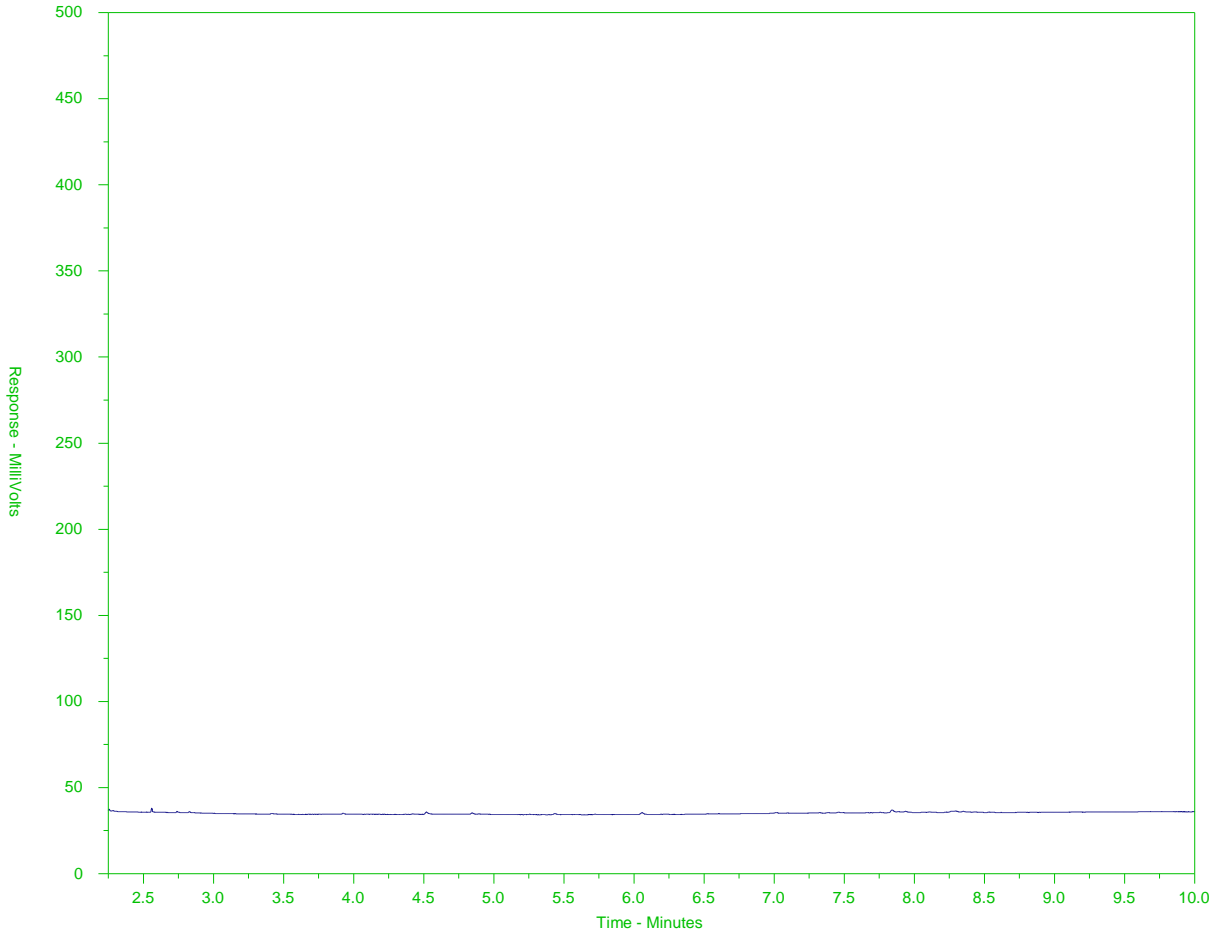
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2148903-55
 Client Sample ID: SN-3-1



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →	← Diesel/ Jet Fuels →		
← Motor Oils/ Lube Oils/ Grease →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

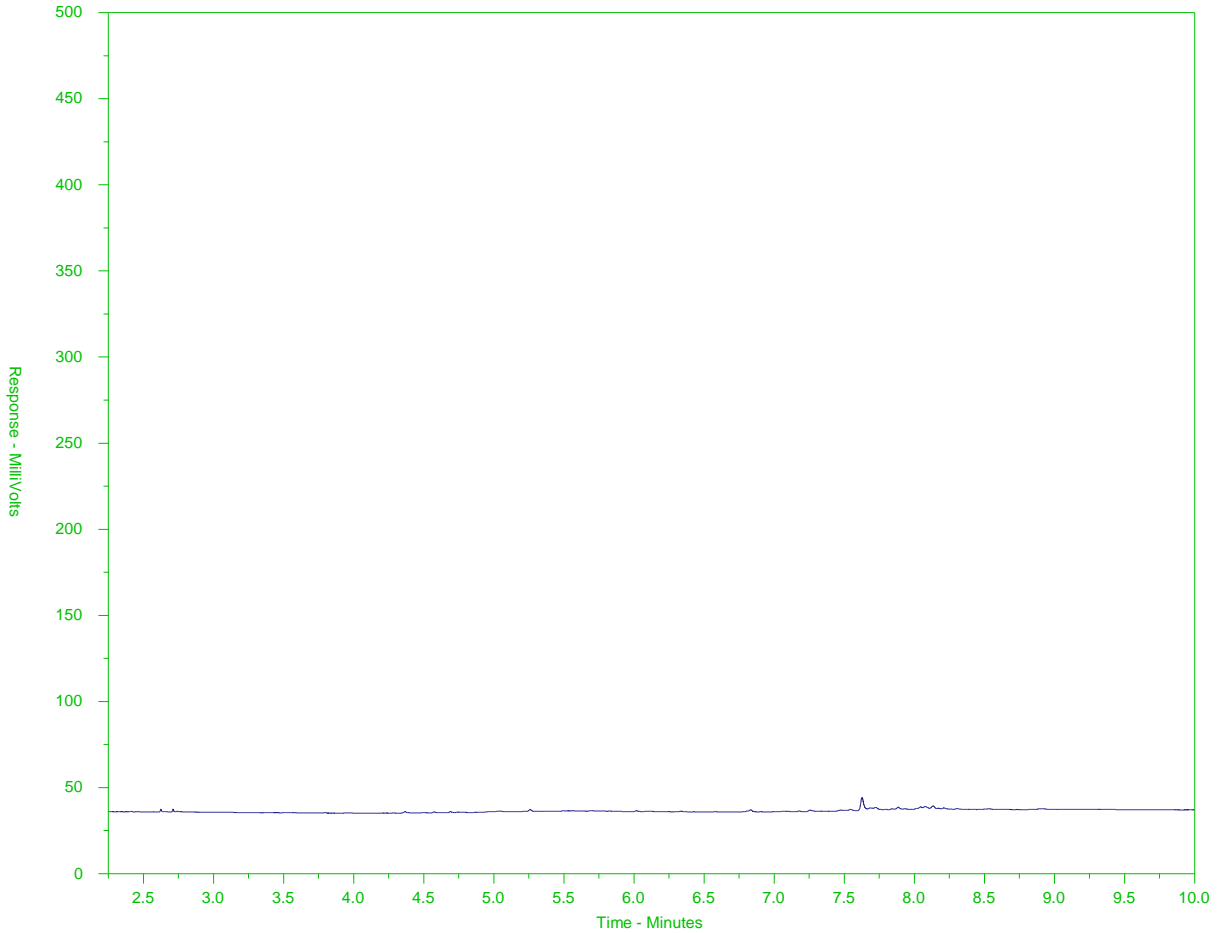
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2148903-58
 Client Sample ID: SN-4-1



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →	← Diesel/ Jet Fuels →		
← Motor Oils/ Lube Oils/ Grease →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

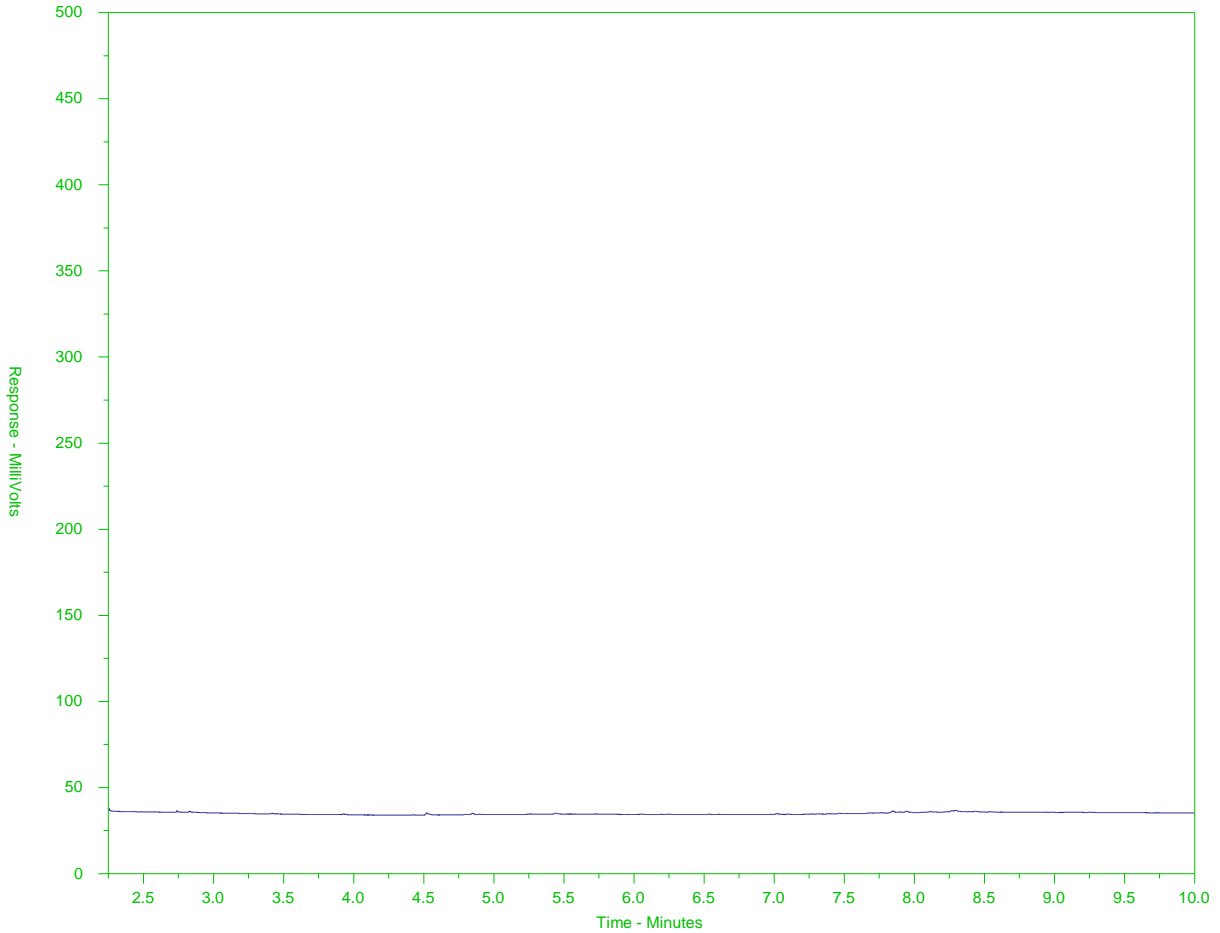
A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

BC EPH HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2148903-61
 Client Sample ID: SN-5-1



← EPH10-19 →		← EPH19-32 →	
nC10	nC19	nC32	
174°C	330°C	467°C	
346°F	626°F	873°F	
← Gasoline →	← Motor Oils/ Lube Oils/ Grease →		
← Diesel/ Jet Fuels →			

The BC EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Note: This chromatogram was produced using GC conditions that are specific to the ALS Canada EPH method. Refer to the ALS Canada EPH Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.



Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878



L2148903-COFC

COC Number: 15 - XXXXXX

Page 4 of 6

www.alsglobal.com

Report To		Report Format / Distribution			Select Service Level Below - Please confirm all E&P TATs with your AM - surcharges will apply											
Company: Golder Associatex Ltd.		Select Report Format: <input checked="" type="checkbox"/> PDF <input checked="" type="checkbox"/> EXCEL <input type="checkbox"/> EDD (DIGITAL)			Regular [R] <input checked="" type="checkbox"/> Standard TAT if received by 3 pm - business days - no surcharges apply					EMERGENCY						
Contact: John Sherrin / Arman Ospan		Quality Control (QC) Report with Report <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			PRIORITY (Business Days)		4 day [P4] <input type="checkbox"/>			1 Business day [E1] <input type="checkbox"/>						
Phone: 1 (250) 881 7372		<input type="checkbox"/> Compare Results to Criteria on Report - provide details below if box checked			3 day [P3] <input type="checkbox"/>		3 day [P3] <input type="checkbox"/>			Same Day, Weekend or Statutory holiday [E0] <input type="checkbox"/>						
Company address below will appear on the final report		Select Distribution: <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX			Date and Time Required for all E&P TATs:					Date and Time Required for all E&P TATs:						
Street: 2nd floor 3795 Carey Rd.		Email 1 or Fax: jsherrin@golder.com			For tests that can not be performed according to the service level selected, you will be contacted.											
City/Province: Victoria BC		Email 2: aospan@golder.com			Analysis Request											
Postal Code: V8Z 6T8		Email 3:			Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below											
Invoice To: Same as Report To <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		Invoice Distribution			Number of Containers											
Copy of Invoice with Report <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Select Invoice Distribution: <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX			Particle size											
Company:		Email 1 or Fax:			TOC/TIC											
Contact:		Email 2:			Metals (Trace)											
Project Information		Oil and Gas Required Fields (client use)			LEPH/HEPH											
ALS Account # / Quote #: BR191034		AFE/Cost Center: PO#			VOCs											
Job #: 1663724/14000/3		Major/Minor Code: Routing Code:														
PO / AFE:		Requisitioner:														
LSD:		Location:														
ALS Lab Work Order # (lab use only)		ALS Contact:														
Sampler:																
ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mm-yy)	Time (hh:mm)	Sample Type	Particle size	TOC/TIC	Metals (Trace)	LEPH/HEPH	VOCs							Number of Containers
	SC-4-1	12-Aug-18	12:45	Sediment	X	X	X									2
	SC-4-2		12:50		X	X	X									2
	SC-4-3		12:55		X	X	X	X	X							4
	SC-5-1		13:30		X	X	X	X	X							4
	SC-5-2		13:35		X	X	X									2
	SC-5-3		13:40		X	X	X									2
	BE-2-1		15:35		X	X	X	X	X							4
	BE-2-2		15:40		X	X	X									2
	BE-2-3		15:45		X	X	X									2
	BE-5-1		16:00		X	X	X	X	X							4
	BE-5-2		16:05		X	X	X									2
	BE-5-3		16:10		X	X	X									2
Drinking Water (DW) Samples ¹ (client use)		Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)			SAMPLE CONDITION AS RECEIVED (lab use only)											
Are samples taken from a Regulated DW System? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO					Frozen <input type="checkbox"/>					SIF Observations Yes <input type="checkbox"/> No <input type="checkbox"/>						
Are samples for human drinking water use? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO					Ice Packs <input type="checkbox"/>					Ice Cubes <input type="checkbox"/> Custody seal intact Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						
					Cooling Initiated <input type="checkbox"/>											
					INITIAL COOLER TEMPERATURES °C					FINAL COOLER TEMPERATURES °C						
										15.4 18.2 16.6						
SHIPMENT RELEASE (client use)		INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)											
Released by: [Signature] Date: 14-Aug-18 15:00		Received by: [Signature] Date: [Signature] Time: [Signature]			Received by: [Signature] Date: Aug 17 2018 Time: [Signature]											

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a Regulated Drinking Water (DW) System, please submit using an Authorized DW COC form.

OCTOBER 2016 (REV)

ANNEXE C-2: Sediment Screening Table

Sample ID			DUP A (SW-53)	SE-1-2	SE-1-3	SE-2-1	SE-2-2	SE-2-3	SE-3-1	SE-3-2	SE-3-3	BE-2-1	DUP F (BE-21)	BE-2-2	BE-2-3	SE-4-1	SE-4-2	SE-4-3	SE-5-1	SE-5-2	SE-5-3	SC-2-1	SC-2-2	SC-2-3	SC-3-1	DUP C (SC-3-1)	SC-3-2	SC-3-3			
Date Sampled			13-Aug-2018	11-Aug-2018	11-Aug-2018	11-Aug-2018	11-Aug-2018	11-Aug-2018	11-Aug-2018	11-Aug-2018	11-Aug-2018	12-Aug-2018	13-Aug-2018	12-Aug-2018	12-Aug-2018	11-Aug-2018	11-Aug-2018	11-Aug-2018	11-Aug-2018	11-Aug-2018	11-Aug-2018	11-Aug-2018	11-Aug-2018	11-Aug-2018	12-Aug-2018	13-Aug-2018	12-Aug-2018	12-Aug-2018			
Laboratory Sample ID			L2148903-64	L2148903-17	L2148903-18	L2148903-19	L2148903-20	L2148903-21	L2148903-22	L2148903-23	L2148903-24	L2148903-43	L2148903-69	L2148903-44	L2148903-45	L2148903-26	L2148903-28	L2148903-27	L2148903-28	L2148903-29	L2148903-30	L2148903-31	L2148903-32	L2148903-33	L2148903-34	L2148903-66	L2148903-35	L2148903-36			
Parameter	Lowest Detection Limit	Units	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Relative Percent Difference	Sediment	Sediment		
Physical Properties																															
Moisture	0.25	%	NA	23.3	21.5	22.4	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	
pH (1:2 soil:water)	0.10	pH	8.27	8.57	8.43	8.29	8.33	8.39	8.30	8.34	8.26	8.35	8.44	8.42	8.18	8.20	8.25	8.15	8.30	8.23	8.24	8.13	8.17	8.20	7.98	8.08	1.2%	7.95	8.07		
% Gravel (>2mm)	1.0	%	1.7	6.3	4.0	17.5	10.2	23.6	6.8	21.7	24.2	5.5	3.2	52.9%	6.5	37.2	3.7	10.2	5.6	2.6	4.1	6.0	1.5	4.9	6.0	3.9	<1.0	NA	2.7	1.7	
% Sand (2.0mm - 0.063mm)	1.0	%	82.7	81.3	90.6	57.0	60.4	49.8	72.2	60.2	55.6	43.2	45.3	4.7%	69.7	34.0	47.3	62.6	51.1	55.0	67.8	51.2	30.4	31.4	30.5	18.8	21.6	13.9%	18.9	22.8	
% Silt (0.063mm - 4um)	1.0	%	13.3	7.2%	4.6	3.6	20.0	23.4	23.3	15.6	14.0	15.2	39.4	38.9	1.3%	18.4	22.0	38.2	21.2	33.4	31.5	20.5	30.7	50.5	47.2	48.0	56.3	57.2	1.6%	59.3	56.7
% Clay (<4um)	1.0	%	2.3	NA	1.8	1.7	5.6	6.0	3.3	5.3	4.1	5.0	11.9	12.6	5.7%	5.5	6.8	10.8	6.0	10.0	11.0	7.6	12.1	17.6	16.6	15.6	21.0	20.8	1.0%	19.1	18.8
Texture	-		Sand	Sand	Sand	Sandy loam	Sandy loam	Sandy loam	Loamy sand	Loamy sand	Sandy loam / Loamy sand	Loam	Loam	Loamy sand	Sandy loam	Loam	Sandy loam	Sandy loam	Sandy loam	Sandy loam	Sandy loam	Silt loam	Silt loam	Silt loam	Silt loam	Silt loam	NA	Silt loam	Silt loam		
Organic / Inorganic Carbon (Soil)																															
Inorganic Carbon	0.050	%	1.20	15.2%	0.738	0.525	1.37	1.62	1.32	1.14	1.85	1.17	1.62	1.77	8.8%	1.16	1.65	1.45	1.35	1.35	1.33	1.12	1.51	1.70	1.85	1.85	1.95	2.02	3.5%	1.87	1.82
Total Organic Carbon	0.050	%	2.07	4.7%	0.41	0.78	1.9	2.43	1.24	1.68	1.91	1.56	2.77	3.65	27.4%	1.5	2.46	2.53	1.45	2.46	1.82	1.46	1.89	3.12	3.06	3.01	3.5	3.7	5.6%	3.6	3.5
Metals																															
Aluminum (Al)	50	mg/kg	3320	1460	1990	3790	4880	3870	3660	3410	2920	3900	6140	44.6%	5360	4880	6290	4410	5390	5610	4260	7440	8920	8860	8660	9250	10400	11.7%	10400	10800	
Antimony (Sb)	0.10	mg/kg	<0.10	NA	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	NA	<0.10	<0.10	0.12	<0.10	<0.10	0.10	<0.10	0.12	0.18	0.16	0.17	0.22	0.21	NA	0.22	0.22	
Arsenic (As)	0.10	mg/kg	1.80	38.6%	1.18	1.47	3.65	2.88	2.99	3.27	3.10	2.95	2.84	2.81	1.1%	3.26	4.49	5.15	3.21	6.14	2.34	5.33	6.70	4.31	4.67	5.52	4.89	4.57	6.8%	4.57	4.33
Barium (Ba)	0.50	mg/kg	8.73	14.6%	4.23	5.76	11.7	14.0	12.6	10.6	10.7	10.7	12.1	14.7	19.4%	15.9	14.7	16.5	12.3	15.1	12.7	13.5	18.3	22.6	22.6	22.9	24.4	22.4	8.5%	26.2	28.7
Beryllium (Be)	0.10	mg/kg	0.22	NA	<0.20	0.12	0.26	0.30	0.24	0.24	0.21	0.24	0.35	NA	0.37	0.32	0.41	0.28	0.35	0.36	0.27	0.51	0.55	0.57	0.55	0.61	0.54	12.2%	0.61	0.59	
Bismuth (Bi)	0.20	mg/kg	<0.20	NA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Boron (B)	5.0	mg/kg	25.6	4.0%	9.7	13.3	26.3	35.0	27.4	25.0	24.4	21.6	27.5	36.2	27.3%	38.1	35.0	42.1	29.6	39.1	36.4	54.1	59.7	59.1	59.6	64.7	61.5	5.1%	69.6	68.6	
Cadmium (Cd)	0.020	mg/kg	0.021	NA	<0.020	<0.020	0.027	0.035	0.026	0.025	0.023	0.031	0.035	0.039	NA	0.034	0.073	0.045	0.067	0.029	0.057	0.032	0.046	0.066	0.066	0.068	0.094	0.090	NA	0.098	0.106
Calcium (Ca)	50	mg/kg	59800	14.4%	20800	28400	57200	63600	52400	46400	44200	41300	52600	76300	36.8%	79900	66300	72100	52500	66300	58700	41900	65300	86300	85700	85800	87900	74000	17.2%	80700	83000
Chromium (Cr)	0.50	mg/kg	11.7	11.3%	5.27	7.34	12.7	16.3	13.1	12.0	12.6	10.6	12.1	18.5	41.8%	18.9	16.5	20.5	14.5	17.4	18.1	13.5	22.4	26.2	26.8	26.4	29.6	29.5	0.3%	30.5	30.8
Cobalt (Co)	0.10	mg/kg	2.29	5.1%	1.01	1.47	2.36	2.72	2.23	2.11	2.17	1.91	2.08	3.18	41.8%	3.27	2.86	3.36	2.42	2.97	2.98	2.37	3.73	4.18	4.12	4.13	4.47	4.55	1.8%	4.69	4.67
Copper (Cu)	0.50	mg/kg	4.77	8.2%	2.46	2.71	4.82	5.55	4.45	3.95	4.06	3.68	4.15	6.71	47.1%	6.91	6.70	7.19	4.84	6.14	6.07	4.51	7.56	9.20	8.81	8.79	10.4	10.3	1.0%	10.2	10.3
Iron (Fe)	50	mg/kg	10200	1.9%	6290	10200	9710	10500	9660	8620	8870	7790	7840	9980	24.0%	10500	10100	11900	8650	11100	9110	8690	12300	13500	13900	14200	14900	14200	4.8%	14900	14800
Lead (Pb)	0.50	mg/kg	2.82	4.0%	1.31	1.78	3.81	4.39	3.46	3.59	3.34	3.20	3.87	5.62	36.9%	5.50	5.01	6.36	4.44	5.13	5.50	4.07	8.85	8.40	8.36	8.74	9.52	9.47	0.5%	9.78	9.62
Lithium (Li)	2.0	mg/kg	18.1	11.0%	6.5	8.5	19.1	21.4	17.3	16.9	15.3	13.9	17.3	25.8	39.4%	28.8	24.1	28.5	19.2	23.6	25.0	18.7	35.2	39.7	39.7	39.9	44.1	39.5	11.0%	43.4	43.2
Magnesium (Mg)	20	mg/kg	28200	21.5%	11400	13200	29300	35300	28000	24900	23300	22400	26100	41900	46.5%	43300	35000	39600	27500	33600	32900	22300	33900	51200	50500	48700	52900	49700	6.2%	50300	51000
Manganese (Mn)	1.0	mg/kg	117	0.9%	46.9	67.4	98.1	112	93.3	83.5	85.7	122	32.7%	130	124	126	94.8	120	107	90.2	144	151	151	151	151	151	164	156	5.0%	164	166
Mercury (Hg)	0.0050	mg/kg	0.0067	NA	<0.0050	<0.0050	0.0079	0.0081	0.0071	0.0073	0.0068	0.0076	0.0083	0.0105	NA	0.0085	0.0118	0.0093	0.0109	0.0079	0.0077	0.0128	0.0155	0.0150	0.0158	0.0182	0.0206	NA	0.0205	0.0201	
Molybdenum (Mo)	0.10	mg/kg	0.35	NA	0.17	0.29	0.30	0.31	0.29	0.27	0.33	0.28	0.31	0.28	NA	0.34	0.30	0.42	0.26	0.32	0.36	0.27	0.44	0.75	0.58	0.56	1.01	1.05	3.9%	0.97	1.14
Nickel (Ni)	0.50	mg/kg	6.58	3.3%	3.00	4.60	7.44	8.79	7.23	6.54	6.81	6.33	6.54	9.90	40.9%	10.4	9.14	10.9	7.81	9.48	9.50	7.46	12.2	14.4	14.2	14.2	16.0	16.1	0.6%	16.5	16.4
Phosphorus (P)	50	mg/kg	287	26.3%	197	337	363	330	303	349	323	353	371	5.0%	378	507	554	397	582	352	444	546	553	612	621	609	577	5.4%	647	608	
Potassium (K)	100	mg/kg	1650	2.6%	640	880	1700	2220	1600	1620	1410	1230	1680	2570	41.9%	2310	2020	2740	1720	2270	2390	1860	3060	3860	3810	3740	4030	4230	4.8%	4370	4440
Selenium (Se)	0.20	mg/kg	<0.20	NA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA	<0.20	0.20	<0.20	<0.20	<0.20	<0.20	0.21	0.35	0.35	0.30	0.45	0.43	NA	0.41	0.42	
Silver (Ag)	0.10	mg/kg	<0.10	NA	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	NA	<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
Sodium (Na)	50	mg/kg	3230	12.9%	1320	2700	3840	4990	2430	3230	3490	3430	3460	3090	1																

ANNEXE C-2: Sediment Screening Table

Sample ID			BE-5-1	BE-5-2	BE-5-3	SC-4-1	DUP-D (SC-4-1)		SC-4-2	SC-4-3	SC-5-1	SC-5-2	SC-5-3	SN-1-1	SN-1-2	SN-1-3	SN-2-1	DUP-E (SN-2-1)		SN-2-2	SN-2-3	SN-3-1	SN-3-2	SN-3-3	SN-4-1	SN-4-2	SN-4-3	SN-5-1	SN-5-2	SN-5-3	
Date Sampled			12-Aug-2018	12-Aug-2018	12-Aug-2018	12-Aug-2018	13-Aug-2018	Relative Percent Difference	12-Aug-2018	12-Aug-2018	12-Aug-2018	12-Aug-2018	12-Aug-2018	12-Aug-2018	12-Aug-2018	12-Aug-2018	12-Aug-2018	13-Aug-2018	Relative Percent Difference	12-Aug-2018	12-Aug-2018	13-Aug-2018	13-Aug-2018	13-Aug-2018	13-Aug-2018	13-Aug-2018	13-Aug-2018	13-Aug-2018	13-Aug-2018	13-Aug-2018	
Laboratory Sample ID			L2148903-46	L2148903-47	L2148903-48	L2148903-37	L2148903-67		L2148903-38	L2148903-39	L2148903-40	L2148903-41	L2148903-42	L2148903-49	L2148903-50	L2148903-51	L2148903-52	L2148903-68		L2148903-53	L2148903-54	L2148903-55	L2148903-56	L2148903-57	L2148903-58	L2148903-59	L2148903-60	L2148903-61	L2148903-62	L2148903-63	
Parameter	Lowest Detection Limit	Units	Sediment	Sediment	Sediment	Sediment	Sediment		Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment		Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	
Physical Properties																															
Moisture	0.25	%	41.7					NA		56.4	36.0			26.7		26.1		NA			29.1				29.1						
pH (1:2 soil:water)	0.10	pH	8.13	8.24	8.13	8.14	8.21	0.9%	7.99	8.09	8.18	8.16	8.16	8.33	8.40	8.39	8.29	8.36	0.8%	8.35	8.37	8.27	8.37	8.26	8.30	8.37	8.38	8.30	8.32	8.35	
% Gravel (>2mm)	1.0	%	5.9	8.0	7.0	7.0	11.2	46.2%	13.0	9.7	3.4	2.3	7.7	7.8	7.0	27.8	4.4	4.9	NA	7.8	5.9	13.7	5.5	6.6	17.0	4.5	4.8	7.1	2.8	6.0	
% Sand (2.0mm - 0.063mm)	1.0	%	23.7	39.1	31.7	32.3	33.6	3.9%	27.4	30.6	44.3	41.6	43.1	55.3	41.4	39.0	41.7	39.8	4.7%	43.4	45.1	29.5	47.0	40.8	30.7	32.0	39.3	40.7	25.9		
% Silt (0.063mm - 4um)	1.0	%	51.4	41.3	46.2	40.5	37.7	7.2%	41.0	43.3	39.4	43.5	38.4	29.7	39.8	26.3	40.7	43.6	6.9%	36.6	37.2	40.0	33.8	38.6	35.5	44.0	37.5	39.4	35.8	45.3	
% Clay (<4um)	1.0	%	19.1	11.6	15.1	20.1	17.6	13.3%	18.5	16.4	13.0	12.6	10.9	7.2	11.8	6.9	13.2	11.7	12.0%	12.2	11.8	16.9	13.6	14.0	16.8	19.5	18.3	21.1	20.8	22.8	
Texture			Silt loam	Loam	Silt loam	Loam	Loam	NA	Silt loam	Silt loam	Loam	Loam	Loam / Sandy loam	Sandy loam	Loam	Sandy loam	Loam	Loam	NA	Loam	Loam	Silt loam	Loam	Loam	Loam	Silt loam / Loam	Loam	Loam	Loam	Silt loam	
Organic / Inorganic Carbon (Soil)																															
Inorganic Carbon	0.050	%	1.88	1.55	1.67	1.99	2.12	6.3%	1.93	2.00	1.39	1.30	1.52	1.38	1.63	1.50	1.63	1.84	12.1%	1.69	1.63	1.94	1.63	1.81	1.96	2.01	1.97	2.27	2.06	2.17	
Total Organic Carbon	0.050	%	3.2	2.78	3.24	2.78	2.9	4.2%	3.2	3.3	2.18	1.58	2.23	2.1	3.04	2.63	2.66	3.9	37.8%	2.73	2.83	3.1	2.27	2.74	2.77	2.94	2.56	2.9	2.81	3.1	
Metals																															
Aluminum (Al)	50	mg/kg	9200	5590	8830	10600	10800	1.9%	9460	9260	7170	7730	7600	5330	6280	5420	7720	7070	8.8%	6210	5670	9160	8480	7190	8860	8690	7850	8770	8760	9960	
Antimony (Sb)	0.10	mg/kg	0.18	<0.10	0.15	0.17	0.15	NA	0.17	0.15	0.13	0.13	0.12	<0.10	0.10	<0.10	0.12	0.12	NA	0.11	<0.10	0.15	0.14	0.11	0.17	0.15	0.15	0.17	0.14	0.17	
Arsenic (As)	0.10	mg/kg	4.14	2.43	3.88	4.96	4.47	10.4%	6.41	6.39	3.12	4.26	2.84	4.84	2.71	3.81	6.60	6.00	9.5%	4.32	4.07	4.77	4.38	8.94	7.66	7.26	3.87	6.68	6.69	3.90	
Barium (Ba)	0.50	mg/kg	29.9	15.4	24.3	34.9	31.4	10.6%	29.5	31.4	20.3	18.5	18.9	15.6	15.4	15.0	20.5	17.2	17.5%	17.7	15.2	23.0	18.8	17.0	23.5	21.1	18.3	25.4	21.3	24.3	
Beryllium (Be)	0.10	mg/kg	0.55	0.40	0.54	0.62	0.54	13.8%	0.56	0.51	0.46	0.45	0.47	0.33	0.36	0.35	0.45	0.39	NA	0.38	0.36	0.51	0.47	0.41	0.50	0.46	0.43	0.51	0.47	0.56	
Bismuth (Bi)	0.20	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	NA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
Boron (B)	5.0	mg/kg	58.8	39.5	58.7	63.5	56.4	11.8%	65.6	59.3	42.2	46.7	44.4	35.9	41.3	39.1	50.8	41.6	19.9%	43.0	40.1	54.7	51.8	46.9	57.3	53.3	49.9	55.4	55.2	62.4	
Cadmium (Cd)	0.020	mg/kg	0.092	0.054	0.082	0.104	0.098	5.9%	0.223	0.128	0.083	0.062	0.066	0.042	0.084	0.046	0.067	0.066	NA	0.068	0.047	0.118	0.097	0.047	0.080	0.092	0.120	0.114	0.129	0.123	
Calcium (Ca)	50	mg/kg	79000	71800	76900	80500	79100	1.8%	74300	86500	57600	49400	58600	67700	78800	73500	87200	81200	7.1%	81600	77500	96000	80300	74400	84400	82500	78700	93300	90100	89800	
Chromium (Cr)	0.50	mg/kg	27.8	18.3	26.0	31.1	29.7	4.6%	28.9	28.3	24.6	25.5	25.7	17.5	19.3	17.5	22.9	21.3	7.2%	19.0	17.5	25.7	23.3	20.3	24.7	22.9	21.6	24.9	23.7	26.7	
Cobalt (Co)	0.10	mg/kg	4.34	3.02	4.14	5.07	5.10	0.6%	4.85	4.56	3.87	3.82	3.93	3.10	3.27	3.01	4.02	3.87	3.8%	3.37	3.25	4.49	3.74	3.48	4.40	3.97	3.61	4.62	4.10	4.44	
Copper (Cu)	0.50	mg/kg	10.1	6.24	9.18	10.6	10.4	1.9%	10.8	10.4	7.72	7.72	7.62	6.37	6.77	7.14	8.52	8.14	4.6%	7.29	6.84	10.3	9.17	7.89	9.82	9.43	9.09	10.3	9.79	11.3	
Iron (Fe)	50	mg/kg	13500	9500	12600	15400	14500	6.0%	14900	14200	12400	12000	11600	14100	10200	12900	14000	12600	10.5%	11100	10800	14500	12900	13400	15300	14700	12200	14900	14300	14800	
Lead (Pb)	0.50	mg/kg	9.01	5.61	8.16	9.29	9.43	1.5%	8.80	8.53	7.07	6.61	6.75	4.72	5.65	4.97	6.63	6.23	6.2%	5.94	5.63	7.67	6.94	6.25	7.85	7.46	6.88	8.06	7.43	8.56	
Lithium (Li)	2.0	mg/kg	38.7	26.7	37.6	41.5	38.5	7.5%	38.5	36.1	28.5	28.3	30.4	23.4	26.2	25.1	33.5	29.1	14.1%	28.7	26.7	37.9	35.8	30.7	37.2	36.6	33.9	37.6	35.5	42.8	
Magnesium (Mg)	20	mg/kg	44400	40700	43500	39100	40200	2.8%	34700	33300	30900	31500	34300	36400	39500	37700	46100	44200	4.2%	39500	38800	44600	41100	38300	42400	40200	38100	42800	40500	43500	
Manganese (Mn)	1.0	mg/kg	154	125	147	160	152	5.1%	151	139	129	126	127	142	116	134	170	168	1.2%	132	130	160	138	146	169	174	131	174	175	163	
Mercury (Hg)	0.0050	mg/kg	0.0206	0.0110	0.0166	0.0227	0.0227	NA	0.0267	0.0247	0.0168	0.0156	0.0156	0.0110	0.0110	0.0146	0.0156	NA	0.0115	0.0112	0.0159	0.0161	0.0152	0.0178	0.0165	0.0153	0.0178	0.0179	0.0199		
Molybdenum (Mo)	0.10	mg/kg	0.76	0.31	0.64	0.83	0.76	8.8%	1.90	1.08	0.63	0.67	0.72	0.39	0.57	0.34	0.37	0.34	NA	0.32	0.30	0.41	0.35	0.33	0.40	0.37	0.39	0.40	0.41	0.39	
Nickel (Ni)	0.50	mg/kg	15.2	10.2	14.8	17.2	16.5	4.2%	16.1	15.5	15.2	15.8	15.9	9.37	10.4	9.30	12.4	11.9	4.1%	10.3	9.65	14.2	12.7	11.4	13.8	12.9	12.3	14.1	13.5	15.3	
Phosphorus (P)	50	mg/kg	547	415	568	525	530	0.9%	747	601	517	637	513	445	331	390	524	481	8.6%	389	408	444	404	530	560	532	361	482	454	399	
Potassium (K)	100	mg/kg	3700	2290	3630	4330	4110	5.2%	4220	3970	2740	2890	2850	2290	2520	2260	3220	2770	15.0%	2500	2370	3700	3450	3050	3610	3640	3270	3650	3590	4110	
Selenium (Se)	0.20	mg/kg	0.40	<0.20	0.37	0.46	0.53	NA	0.67	0.63	0.35	0.34	0.34	<0.20	<0.20	<0.20	<0.20	<0.20	NA	<0.20	<0.20	0.22	0.21	0.22	0.24	0.26	0.21	0.24	0.22	0.27	
Silver (Ag)	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	NA	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	NA	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Sodium (Na)	50	mg/kg	7700	3660	6060	8560	8690	1.5%	13800	11700	5900	6230	6320	3670	4470	3440	4420	3890	12.8%	4100	3460	5060	4690	4760	4750	4570	4740	5440	5190	5630	
Strontium (Sr)	0.50	mg/kg	65.7	46.6	67.9	74.0	77.3	4.4%	133	170	74.7	57																			

ANNEXE C-2: Sediment Screening Table

Sample ID			DUP A (SW-53)	Relative Percent Difference	SE-1-2	SE-1-3	SE-2-1	SE-2-2	SE-2-3	SE-3-1	SE-3-2	SE-3-3	BE-2-1	DUP F (BE-21)	Relative Percent Difference	BE-2-2	BE-2-3	SE-4-1	SE-4-2	SE-4-3	SE-5-1	SE-5-2	SE-5-3	SC-2-1	SC-2-2	SC-2-3	SC-3-1	DUP C (SC-3-1)	Relative Percent Difference	SC-3-2	SC-3-3	
Date Sampled			13-Aug-2018		11-Aug-2018	11-Aug-2018	11-Aug-2018	11-Aug-2018	11-Aug-2018	11-Aug-2018	11-Aug-2018	11-Aug-2018	12-Aug-2018	13-Aug-2018		12-Aug-2018	12-Aug-2018	11-Aug-2018	11-Aug-2018	11-Aug-2018	11-Aug-2018	11-Aug-2018	11-Aug-2018	11-Aug-2018	11-Aug-2018	11-Aug-2018	12-Aug-2018	13-Aug-2018		12-Aug-2018	12-Aug-2018	
Laboratory Sample ID			L2148903-64		L2148903-17	L2148903-18	L2148903-19	L2148903-20	L2148903-21	L2148903-22	L2148903-23	L2148903-24	L2148903-43	L2148903-69		L2148903-44	L2148903-45	L2148903-25	L2148903-26	L2148903-27	L2148903-28	L2148903-29	L2148903-30	L2148903-31	L2148903-32	L2148903-33	L2148903-34	L2148903-66		L2148903-35	L2148903-36	
Parameter	Lowest Detection Limit	Units	Sediment		Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment		Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment		
Hydrocarbons (Soil)																																
EPH10-19	200	mg/kg	NA				<200			<200			<200	NA			<200			<200				<200			<200					
EPH19-32	200	mg/kg	NA				<200			<200			<200	NA			<200			<200				<200			<200					
LEPH	200	mg/kg	NA				<200			<200			<200	NA			<200			<200				<200			<200					
HEPH	200	mg/kg	NA				<200			<200			<200	NA			<200			<200				<200			<200					
2-Bromobenzotrifluoride		%	NA				93.9			92.3			95.1	NA			94.6			97.2				95.1			101.7					
Polycyclic Aromatic Hydrocarbons (Soil)																																
Acenaphthene	0.0050	mg/kg	NA				<0.0050			<0.0050			<0.0050	NA			<0.0050			<0.0050				<0.0050			<0.0050					
Acenaphthylene	0.0050	mg/kg	NA				<0.0050			<0.0050			<0.0050	NA			<0.0050			<0.0050				<0.0050			<0.0050					
Anthracene	0.0040	mg/kg	NA				<0.0040			<0.0040			<0.0040	NA			<0.0040			<0.0040				<0.0040			<0.0040					
Benz(a)anthracene	0.010	mg/kg	NA				<0.010			<0.010			<0.010	NA			<0.010			<0.010				<0.010			<0.010					
Benzo(a)pyrene	0.010	mg/kg	NA				<0.010			<0.010			<0.010	NA			<0.010			<0.010				<0.010			<0.010					
Benzo(b&j)fluoranthene	0.010	mg/kg	NA				<0.020			<0.010			<0.010	NA			<0.010			<0.010				<0.010			<0.010					
Benzo(b+h&k)fluoranthene	0.015	mg/kg	NA				<0.022			<0.015			<0.015	NA			<0.015			<0.015				<0.015			<0.015					
Benzo(g,h,i)perylene	0.010	mg/kg	NA				0.011			<0.010			<0.010	NA			<0.010			<0.010				<0.010			<0.010					
Benzo(k)fluoranthene	0.010	mg/kg	NA				<0.010			<0.010			<0.010	NA			<0.010			<0.010				<0.010			<0.010					
Chrysene	0.010	mg/kg	NA				<0.010			<0.010			<0.010	NA			<0.010			<0.010				<0.010			<0.010					
Dibenz(a,h)anthracene	0.0050	mg/kg	NA				<0.0050			<0.0050			<0.0050	NA			<0.0050			<0.0050				<0.0050			<0.0050					
Fluoranthene	0.010	mg/kg	NA				<0.010			<0.010			<0.010	NA			<0.010			<0.010				<0.010			<0.010					
Fluorene	0.010	mg/kg	NA				<0.010			<0.010			<0.010	NA			<0.010			<0.010				<0.010			<0.010					
Indeno(1,2,3-c,d)pyrene	0.010	mg/kg	NA				0.010			<0.010			<0.010	NA			<0.010			<0.010				<0.010			<0.010					
1-Methylnaphthalene	0.050	mg/kg	NA				<0.050			<0.050			<0.050	NA			<0.050			<0.050				<0.050			<0.050					
2-Methylnaphthalene	0.010	mg/kg	NA				<0.010			<0.010			<0.010	NA			<0.010			<0.010				<0.010			<0.010					
Naphthalene	0.010	mg/kg	NA				<0.010			<0.010			<0.010	NA			<0.010			<0.010				<0.010			<0.010					
Phenanthrene	0.010	mg/kg	NA				<0.010			<0.010			<0.010	NA			<0.010			<0.010				<0.010			<0.010					
Pyrene	0.010	mg/kg	NA				<0.010			<0.010			<0.010	NA			<0.010			<0.010				<0.010			<0.010					
Quinoline	0.050	mg/kg	NA				<0.050			<0.050			<0.050	NA			<0.050			<0.050				<0.050			<0.050					
Acenaphthene d10		%	NA				90.3			88.3			96	NA			89.6			91.7				92			88.3					
Chrysene d12		%	NA				101.7			92.3			114.3	NA			103.4			100.3				103.3			111.9					
Naphthalene d8		%	NA				87.2			85.9			92.4	NA			87.6			86.6				88.1			95					
Phenanthrene d10		%	NA				97.1			91.9			110.4	NA			94.1			105.2				105.4			114.4					
B(a)P Total Potency Equivalent	0.020	mg/kg	NA				<0.020			<0.020			<0.020	NA			<0.020			<0.020				<0.020			<0.020					
IACR (CCME)	0.15	mg/kg	NA				<0.15			<0.15			<0.15	NA			<0.15			<0.15				<0.15			<0.15					

Notes:
^a Selenium - BC Alert concentration
^b PAHs - BC concentrations at 1% TOC

Values	Greater than CCME ISQG
Values	Greater than CCME PEL g
Values	Greater than BC MOE wor
Values	Greater than NOAA Sedim
Values	Greater than NOAA Sedim
Values	RDP is greater than 50%
Values	Greater than CCME and B

mg/kg - miligram per kilogram, NA - not available, pH - scale of acidity, % - percentage, "-" - no value

ANNEXE C-2: Sediment Screening Table

Sample ID			BE-5-1	BE-5-2	BE-5-3	SC-4-1	DUP-D (SC-4-1)	Relative Percent Difference	SC-4-2	SC-4-3	SC-5-1	SC-5-2	SC-5-3	SN-1-1	SN-1-2	SN-1-3	SN-2-1	DUP-E (SN-2-1)	Relative Percent Difference	SN-2-2	SN-2-3	SN-3-1	SN-3-2	SN-3-3	SN-4-1	SN-4-2	SN-4-3	SN-5-1	SN-5-2	SN-5-3	
Date Sampled			12-Aug-2018	12-Aug-2018	12-Aug-2018	12-Aug-2018	13-Aug-2018		12-Aug-2018	12-Aug-2018	12-Aug-2018	12-Aug-2018	12-Aug-2018	12-Aug-2018	12-Aug-2018	12-Aug-2018	12-Aug-2018	13-Aug-2018		12-Aug-2018	12-Aug-2018	13-Aug-2018	13-Aug-2018	13-Aug-2018	13-Aug-2018	13-Aug-2018	13-Aug-2018	13-Aug-2018	13-Aug-2018	13-Aug-2018	
Laboratory Sample ID			L2148903-46	L2148903-47	L2148903-48	L2148903-37	L2148903-67		L2148903-38	L2148903-39	L2148903-40	L2148903-41	L2148903-42	L2148903-49	L2148903-50	L2148903-51	L2148903-52	L2148903-68		L2148903-53	L2148903-54	L2148903-55	L2148903-56	L2148903-57	L2148903-58	L2148903-59	L2148903-60	L2148903-61	L2148903-62	L2148903-63	
Parameter	Lowest Detection Limit	Units	Sediment	Sediment	Sediment	Sediment	Sediment		Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment		Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	
Hydrocarbons (Soil)																															
EPH10-19	200	mg/kg	<200					NA		<200	<200			<200			<200		NA			<200			<200			<200			
EPH19-32	200	mg/kg	<200					NA		<200	<200			<200			<200		NA			<200			<200			<200			
LEPH	200	mg/kg	<200					NA		<200	<200			<200			<200		NA			<200			<200			<200			
HEPH	200	mg/kg	<200					NA		<200	<200			<200			<200		NA			<200			<200			<200			
2-Bromobenzotrifluoride		%	97.1					NA		97.2	93.7			93			92.5		NA			91.7			88.9			90.2			
Polycyclic Aromatic Hydrocarbons (Soil)																															
Acenaphthene	0.0050	mg/kg	<0.0050					NA		<0.0050	<0.0050			<0.0050			<0.0050		NA			<0.0050			<0.0050			<0.0050			
Acenaphthylene	0.0050	mg/kg	<0.0050					NA		<0.0050	<0.0050			<0.0050			<0.0050		NA			<0.0050			<0.0050			<0.0050			
Anthracene	0.0040	mg/kg	<0.0040					NA		<0.0040	<0.0040			<0.0040			<0.0040		NA			<0.0040			<0.0040			<0.0040			
Benz(a)anthracene	0.010	mg/kg	<0.010					NA		<0.010	<0.010			<0.010			<0.010		NA			<0.010			<0.010			<0.010			
Benzo(a)pyrene	0.010	mg/kg	<0.010					NA		<0.010	<0.010			<0.010			<0.010		NA			<0.010			<0.010			<0.010			
Benzo(b&j)fluoranthene	0.010	mg/kg	<0.010					NA		<0.010	<0.010			<0.010			<0.010		NA			<0.010			<0.010			<0.010			
Benzo(b+k)fluoranthene	0.015	mg/kg	<0.015					NA		<0.015	<0.015			<0.015			<0.015		NA			<0.015			<0.015			<0.015			
Benzo(g,h,i)perylene	0.010	mg/kg	<0.010					NA		<0.010	<0.010			<0.010			<0.010		NA			<0.010			<0.010			<0.010			
Benzo(k)fluoranthene	0.010	mg/kg	<0.010					NA		<0.010	<0.010			<0.010			<0.010		NA			<0.010			<0.010			<0.010			
Chrysene	0.010	mg/kg	<0.010					NA		<0.010	<0.010			<0.010			<0.010		NA			<0.010			<0.010			<0.010			
Dibenz(a,h)anthracene	0.0050	mg/kg	<0.0050					NA		<0.0050	<0.0050			<0.0050			<0.0050		NA			<0.0050			<0.0050			<0.0050			
Fluoranthene	0.010	mg/kg	<0.010					NA		<0.010	<0.010			<0.010			<0.010		NA			<0.010			<0.010			<0.010			
Fluorene	0.010	mg/kg	<0.010					NA		<0.010	<0.010			<0.010			<0.010		NA			<0.010			<0.010			<0.010			
Indeno(1,2,3-c,d)pyrene	0.010	mg/kg	<0.010					NA		<0.010	<0.010			<0.010			<0.010		NA			<0.010			<0.010			<0.010			
1-Methylnaphthalene	0.050	mg/kg	<0.050					NA		<0.050	<0.050			<0.050			<0.050		NA			<0.050			<0.050			<0.050			
2-Methylnaphthalene	0.010	mg/kg	<0.010					NA		<0.010	<0.010			<0.010			<0.010		NA			<0.010			<0.010			<0.010			
Naphthalene	0.010	mg/kg	<0.010					NA		<0.010	<0.010			<0.010			<0.010		NA			<0.010			<0.010			<0.010			
Phenanthrene	0.010	mg/kg	<0.010					NA		<0.010	<0.010			<0.010			<0.010		NA			<0.010			<0.010			<0.010			
Pyrene	0.010	mg/kg	<0.010					NA		<0.010	<0.010			<0.010			<0.010		NA			<0.010			<0.010			<0.010			
Quinoline	0.050	mg/kg	<0.050					NA		<0.050	<0.050			<0.050			<0.050		NA			<0.050			<0.050			<0.050			
Acenaphthene d10		%	96					NA		91.4	88.9			92			92.5		NA			88.6			89.5			89.1			
Chrysene d12		%	110.9					NA		100.1	99.1			122.2			105.8		NA			112			109.4			104.3			
Naphthalene d8		%	91					NA		86.6	85			88.1			88.9		NA			85.7			85.6			85.1			
Phenanthrene d10		%	113					NA		106.7	103.4			104.6			106.3		NA			103.8			102.7			105.1			
B(a)P Total Potency Equivalent	0.020	mg/kg	<0.020					NA		<0.020	<0.020			<0.020			<0.020		NA			<0.020			<0.020			<0.020			
IACR (CCME)	0.15	mg/kg	<0.15					NA		<0.15	<0.15			<0.15			<0.15		NA			0.51			<0.15			<0.15			

Notes:
 * Selenium - BC Alert concentration
 † PAHs - BC concentrations at 1% TOC
 Values Greater then CCME ISQG
 Values Greater then CCME PEL g
 Values Greater then BC MOE wor
 Values Greater then NOAA Sedim
 Values Greater then NOAA Sedim
 Values RDP is greater then 50%
 Values Greater then CCME and B
 mg/kg - miligram per kilogram, NA - not available, pH - scale of acidity, % - percentage, *- no value

**ANNEXE C-3
SYSTAT PCA**

SYSTAT Report on Principal Component Analysis

▼ File: Untitled2.syz

IMPORT successfully completed. Processed 39 variables and 69 cases.

▼ Factor Analysis

Matrix to be Factored											
	PH	GRAVEL	SAND	SILT	CLAY	INORG_CARBON	TOC	ALUMINUM__AL__	ANTIMONY__SB__	ARSENIC__AS__	BARIUM__BA__
PH	1.000										
GRAVEL	0.112	1.000									
SAND	0.568	-0.096	1.000								
SILT	-0.617	-0.184	-0.889	1.000							
CLAY	-0.445	-0.100	-0.914	0.860	1.000						
INORG_CARBON	-0.324	0.174	-0.878	0.778	0.888	1.000					
TOC	-0.539	-0.155	-0.709	0.856	0.636	0.640	1.000				
ALUMINUM__AL__	-0.543	-0.075	-0.908	0.890	0.941	0.866	0.718	1.000			
ANTIMONY__SB__	-0.428	-0.195	-0.819	0.699	0.868	0.735	0.484	0.865	1.000		
ARSENIC__AS__	-0.540	0.033	-0.551	0.630	0.564	0.529	0.553	0.623	0.381	1.000	
BARIUM__BA__	-0.636	0.010	-0.877	0.867	0.872	0.815	0.718	0.954	0.774	0.673	1.000
BERYLLIUM__BE__	-0.599	-0.052	-0.895	0.901	0.910	0.835	0.729	0.976	0.818	0.628	0.945
BORON__B__	-0.598	-0.060	-0.911	0.905	0.920	0.851	0.736	0.983	0.834	0.663	0.950
CADMIUM__CD__	-0.415	0.112	-0.827	0.687	0.876	0.818	0.495	0.845	0.793	0.443	0.808
CALCIUM__CA__	-0.412	-0.040	-0.685	0.806	0.652	0.692	0.791	0.762	0.491	0.639	0.772
CHROMIUM__CR__	-0.626	-0.081	-0.889	0.909	0.892	0.818	0.762	0.983	0.818	0.637	0.965
COBALT__CO__	-0.582	-0.059	-0.865	0.893	0.880	0.827	0.776	0.975	0.786	0.677	0.967
COPPER__CU__	-0.506	-0.039	-0.890	0.868	0.911	0.857	0.730	0.977	0.830	0.647	0.941
IRON__FE__	-0.542	-0.084	-0.668	0.741	0.655	0.589	0.693	0.790	0.582	0.755	0.825
LEAD__PB__	-0.564	-0.045	-0.916	0.881	0.943	0.861	0.674	0.982	0.865	0.598	0.935
LITHIUM__LI__	-0.561	-0.088	-0.880	0.902	0.888	0.830	0.758	0.969	0.808	0.642	0.935
MAGNESIUM__MG__	-0.494	-0.127	-0.741	0.868	0.677	0.688	0.819	0.797	0.555	0.598	0.772
MANGANESE__MN__	-0.495	-0.098	-0.737	0.839	0.727	0.721	0.810	0.851	0.609	0.728	0.845

**ANNEXE C-3
SYSTAT PCA**

Matrix to be Factored											
	PH	GRAVEL	SAND	SILT	CLAY	INORG_CARBON	TOC	ALUMINUM_AL	ANTIMONY_SB	ARSENIC_AS	BARIUM_BA
MERCURY_HG_	-0.562	0.022	-0.906	0.831	0.927	0.877	0.653	0.954	0.849	0.584	0.928
MOLYBDENUM_MO_	-0.720	-0.123	-0.692	0.645	0.625	0.515	0.551	0.712	0.713	0.341	0.750
NICKEL_NI_	-0.607	-0.066	-0.885	0.889	0.899	0.816	0.741	0.981	0.832	0.611	0.954
PHOSPHORUS_P_	-0.797	-0.116	-0.589	0.740	0.500	0.422	0.715	0.635	0.386	0.822	0.716
POTASSIUM_K_	-0.575	-0.096	-0.897	0.895	0.925	0.854	0.733	0.993	0.848	0.651	0.958
SELENIUM_SE_	-0.576	-0.047	-0.736	0.581	0.727	0.614	0.435	0.767	0.827	0.307	0.772
SODIUM_NA_	-0.742	-0.053	-0.797	0.743	0.784	0.696	0.612	0.842	0.776	0.528	0.872
STRONTIUM_SR_	-0.604	0.107	-0.719	0.732	0.708	0.695	0.663	0.764	0.543	0.653	0.833
SULFUR_S_	-0.535	-0.055	-0.570	0.441	0.503	0.447	0.333	0.538	0.607	0.195	0.593
THALLIUM_TL_	-0.632	-0.068	-0.896	0.906	0.897	0.831	0.745	0.974	0.820	0.628	0.954
TITANIUM_TI_	-0.656	-0.083	-0.800	0.888	0.782	0.731	0.794	0.922	0.694	0.640	0.930
URANIUM_U_	-0.595	-0.108	-0.871	0.867	0.864	0.777	0.733	0.945	0.836	0.479	0.918
VANADIUM_V_	-0.543	-0.025	-0.918	0.889	0.949	0.882	0.697	0.987	0.847	0.673	0.942
ZINC_ZN_	-0.587	-0.030	-0.907	0.875	0.932	0.854	0.701	0.988	0.850	0.619	0.966
ZIRCONIUM_ZR_	-0.315	-0.051	-0.789	0.817	0.842	0.819	0.667	0.912	0.720	0.553	0.834

Matrix to be Factored (Contd.)									
	BERYLLIUM_BE_	BORON_B_	CADMIUM_CD_	CALCIUM_CA_	CHROMIUM_CR_	COBALT_CO_	COPPER_CU_	IRON_FE_	LEAD_Pb_
PH									
GRAVEL									
SAND									
SILT									
CLAY									
INORG_CARBON									
TOC									
ALUMINUM_AL_									
ANTIMONY_SB_									
ARSENIC_AS_									
BARIUM_BA_									
BERYLLIUM_BE_	1.000								
BORON_B_	0.986	1.000							
CADMIUM_CD_	0.794	0.816	1.000						

**ANNEXE C-3
SYSTAT PCA**

Matrix to be Factored (Contd.)									
	BERYLLIUM_B E_	BORON_B	CADMIUM_CD	CALCIUM_CA	CHROMIUM_C R_	COBALT_CO	COPPER_CU	IRON_FE	LEAD_PB
CALCIUM_CA_	0.792	0.809	0.534	1.000					
CHROMIUM_CR_	0.981	0.979	0.799	0.789	1.000				
COBALT_CO_	0.970	0.970	0.789	0.835	0.987	1.000			
COPPER_CU_	0.959	0.971	0.827	0.818	0.967	0.976	1.000		
IRON_FE_	0.795	0.803	0.541	0.794	0.822	0.863	0.843	1.000	
LEAD_PB_	0.984	0.981	0.835	0.732	0.968	0.951	0.954	0.737	1.000
LITHIUM_LI_	0.980	0.986	0.764	0.867	0.972	0.973	0.971	0.823	0.962
MAGNESIUM_MG_	0.828	0.837	0.505	0.944	0.833	0.849	0.825	0.775	0.773
MANGANESE_MN_	0.860	0.870	0.594	0.920	0.873	0.920	0.897	0.913	0.807
MERCURY_HG_	0.923	0.932	0.896	0.652	0.930	0.916	0.928	0.692	0.949
MOLYBDENUM_MO_	0.720	0.728	0.646	0.455	0.755	0.718	0.690	0.603	0.724
NICKEL_NI_	0.976	0.967	0.816	0.746	0.993	0.979	0.962	0.801	0.967
PHOSPHORUS_P_	0.673	0.687	0.376	0.663	0.715	0.718	0.649	0.768	0.615
POTASSIUM_K_	0.974	0.988	0.828	0.796	0.983	0.977	0.977	0.820	0.972
SELENIUM_SE_	0.726	0.736	0.759	0.357	0.761	0.713	0.729	0.524	0.770
SODIUM_NA_	0.842	0.849	0.761	0.559	0.868	0.840	0.827	0.687	0.849
STRONTIUM_SR_	0.770	0.787	0.732	0.701	0.790	0.800	0.781	0.663	0.760
SULFUR_S_	0.510	0.542	0.569	0.276	0.547	0.510	0.511	0.370	0.557
THALLIUM_TL_	0.977	0.980	0.799	0.793	0.981	0.969	0.949	0.777	0.975
TITANIUM_TI_	0.936	0.926	0.679	0.801	0.965	0.959	0.901	0.836	0.896
URANIUM_U_	0.947	0.935	0.792	0.707	0.958	0.939	0.931	0.758	0.942
VANADIUM_V_	0.972	0.981	0.857	0.766	0.969	0.962	0.970	0.784	0.978
ZINC_ZN_	0.974	0.972	0.860	0.731	0.983	0.974	0.968	0.792	0.977
ZIRCONIUM_ZR_	0.904	0.915	0.713	0.828	0.888	0.900	0.913	0.727	0.897

Matrix to be Factored (Contd.)							
	LITHIUM_LI	MAGNESIUM_MG	MANGANESE_MN	MERCURY_HG	MOLYBDENUM_MO	NICKEL_NI	PHOSPHORUS_P
PH							
GRAVEL							
SAND							
SILT							

**ANNEXE C-3
SYSTAT PCA**

Matrix to be Factored (Contd.)	LITHIUM_LI	MAGNESIUM_MG	MANGANESE_MN	MERCURY_HG	MOLYBDENUM_MO	NICKEL_NI	PHOSPHORUS_P
CLAY							
INORG_CARBON							
TOC							
ALUMINUM_AL							
ANTIMONY_SB							
ARSENIC_AS							
BARIUM_BA							
BERYLLIUM_BE							
BORON_B							
CADMIUM_CD							
CALCIUM_CA							
CHROMIUM_CR							
COBALT_CO							
COPPER_CU							
IRON_FE							
LEAD_PB							
LITHIUM_LI	1.000						
MAGNESIUM_MG	0.889	1.000					
MANGANESE_MN	0.910	0.916	1.000				
MERCURY_HG	0.894	0.667	0.752	1.000			
MOLYBDENUM_MO	0.692	0.503	0.547	0.738	1.000		
NICKEL_NI	0.956	0.789	0.848	0.942	0.753	1.000	
PHOSPHORUS_P	0.685	0.702	0.747	0.572	0.574	0.684	1.000
POTASSIUM_K	0.978	0.825	0.873	0.938	0.726	0.972	0.666
SELENIUM_SE	0.694	0.394	0.480	0.823	0.845	0.782	0.429
SODIUM_NA	0.806	0.597	0.658	0.865	0.897	0.867	0.657
STRONTIUM_SR	0.760	0.607	0.696	0.807	0.680	0.783	0.686
SULFUR_S	0.490	0.303	0.307	0.609	0.855	0.529	0.346
THALLIUM_TL	0.973	0.826	0.850	0.927	0.756	0.968	0.687
TITANIUM_TI	0.930	0.848	0.886	0.841	0.716	0.950	0.765
URANIUM_U	0.927	0.755	0.801	0.912	0.825	0.963	0.622
VANADIUM_V	0.962	0.795	0.844	0.944	0.669	0.965	0.640
ZINC_ZN	0.953	0.759	0.830	0.963	0.746	0.988	0.644
ZIRCONIUM_ZR	0.927	0.835	0.843	0.813	0.536	0.871	0.519

**ANNEXE C-3
SYSTAT PCA**

Matrix to be Factored (Contd.)								
	POTASSIUM_K	SELENIUM_SE	SODIUM_NA	STRONTIUM_SR	SULFUR_S	THALLIUM_TL	TITANIUM_TI	URANIUM_U
PH								
GRAVEL								
SAND								
SILT								
CLAY								
INORG_CARBON								
TOC								
ALUMINUM_AL_								
ANTIMONY_SB_								
ARSENIC_AS_								
BARIUM_BA_								
BERYLLIUM_BE_								
BORON_B_								
CADMIUM_CD_								
CALCIUM_CA_								
CHROMIUM_CR_								
COBALT_CO_								
COPPER_CU_								
IRON_FE_								
LEAD_PB_								
LITHIUM_LI_								
MAGNESIUM_MG_								
MANGANESE_MN_								
MERCURY_HG_								
MOLYBDENUM_MO								
NICKEL_NI_								
PHOSPHORUS_P_								
POTASSIUM_K_	1.000							
SELENIUM_SE_	0.759	1.000						
SODIUM_NA_	0.855	0.872	1.000					

**ANNEXE C-3
SYSTAT PCA**

Matrix to be Factored (Contd.)								
	POTASSIUM_K	SELENIUM_SE	SODIUM_NA	STRONTIUM_SR	SULFUR_S	THALLIUM_TL	TITANIUM_TI	URANIUM_U
STRONTIUM_SR	0.780	0.670	0.814	1.000				
SULFUR_S	0.557	0.774	0.796	0.578	1.000			
THALLIUM_TL	0.977	0.752	0.855	0.786	0.570	1.000		
TITANIUM_TI	0.932	0.665	0.807	0.767	0.473	0.945	1.000	
URANIUM_U	0.934	0.810	0.866	0.749	0.612	0.941	0.912	1.000
VANADIUM_V	0.983	0.725	0.825	0.767	0.497	0.963	0.899	0.910
ZINC_ZN	0.981	0.799	0.871	0.795	0.561	0.971	0.924	0.949
ZIRCONIUM_ZR	0.905	0.540	0.656	0.651	0.366	0.890	0.847	0.851

Matrix to be Factored (Contd.)			
	VANADIUM_V	ZINC_ZN	ZIRCONIUM_ZR
PH			
GRAVEL			
SAND			
SILT			
CLAY			
INORG_CARBON			
TOC			
ALUMINIUM_AL			
ANTIMONY_SB			
ARSENIC_AS			
BARIUM_BA			
BERYLLIUM_BE			
BORON_B			
CADMIUM_CD			
CALCIUM_CA			
CHROMIUM_CR			
COBALT_CO			
COPPER_CU			
IRON_FE			
LEAD_PB			
LITHIUM_LI			

**ANNEXE C-3
SYSTAT PCA**

Matrix to be Factored (Contd.)			
	VANADIUM__V__	ZINC__ZN__	ZIRCONIUM__ZR__
MAGNESIUM__MG__			
MANGANESE__MN__			
MERCURY__HG__			
MOLYBDENUM__MO__			
NICKEL__NI__			
PHOSPHORUS__P__			
POTASSIUM__K__			
SELENIUM__SE__			
SODIUM__NA__			
STRONTIUM__SR__			
SULFUR__S__			
THALLIUM__TL__			
TITANIUM__TI__			
URANIUM__U__			
VANADIUM__V__	1.000		
ZINC__ZN__	0.980	1.000	
ZIRCONIUM__ZR__	0.899	0.866	1.000

Latent Roots (Eigenvalues)																							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
29.333	2.407	1.753	1.239	0.663	0.522	0.430	0.314	0.266	0.171	0.137	0.117	0.098	0.092	0.066	0.062	0.057	0.046	0.038	0.037	0.027	0.022	0.019	

Latent Roots (Eigenvalues) (Contd.)														
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
0.017	0.016	0.011	0.008	0.007	0.005	0.005	0.004	0.003	0.002	0.002	0.002	0.001	0.001	0.001

Empirical Upper Bound for the First Eigenvalue : 32.434

Chi-Square Test that All Eigenvalues are Equal

N : 69.000
 Chi-Square : 6,886.332
 df : 703.000

**ANNEXE C-3
SYSTAT PCA**

p-Value : 0.000

Chi-Square Test that the Last 34 Eigenvalues are Equal

Chi-Square : 2,613.981

df : 598.717

p-Value : 0.000

Latent Vectors (Eigenvectors)				
	1	2	3	4
PH	-0.117	-0.038	0.494	0.119
GRAVEL	-0.011	0.053	0.237	-0.799
SAND	-0.169	-0.075	-0.093	0.083
SILT	0.170	-0.113	-0.030	0.098
CLAY	0.169	0.087	0.181	0.074
INORG_CARBON	0.157	0.035	0.284	-0.131
TOC	0.143	-0.214	-0.114	0.064
ALUMINIUM__AL_	0.182	0.024	0.090	0.050
ANTIMONY__SB_	0.153	0.226	0.111	0.223
ARSENIC__AS_	0.123	-0.265	-0.138	-0.280
BARIUM__BA_	0.179	0.015	-0.024	-0.084
BERYLLIUM__BE_	0.181	-0.013	0.050	0.027
BORON__B_	0.183	-0.011	0.046	0.019
CADMIUM__CD_	0.152	0.212	0.186	-0.116
CALCIUM__CA_	0.149	-0.298	0.046	-0.008
CHROMIUM__CR_	0.183	-0.008	-0.001	0.034
COBALT__CO_	0.182	-0.056	0.020	0.006
COPPER__CU_	0.180	-0.022	0.095	0.013
IRON__FE_	0.153	-0.197	-0.120	-0.030
LEAD__PB_	0.180	0.055	0.090	0.031
LITHIUM__LI_	0.181	-0.067	0.057	0.063
MAGNESIUM__MG_	0.154	-0.276	0.007	0.104
MANGANESE__MN_	0.163	-0.256	0.000	0.025
MERCURY__HG_	0.175	0.130	0.080	-0.064
MOLYBDENUM__MO_	0.142	0.258	-0.297	0.039
NICKEL__NI_	0.181	0.021	0.019	0.030
PHOSPHORUS__P_	0.133	-0.229	-0.388	-0.139
POTASSIUM__K_	0.183	0.002	0.050	0.049
SELENIUM__SE_	0.142	0.354	-0.099	0.011
SODIUM__NA_	0.163	0.200	-0.197	-0.063
STRONTIUM__SR_	0.152	0.022	-0.120	-0.281
SULFUR__S_	0.108	0.378	-0.251	-0.023
THALLIUM__TL_	0.182	0.006	0.011	0.027
TITANIUM__TI_	0.174	-0.093	-0.077	0.020
URANIUM__U_	0.176	0.082	-0.009	0.101
VANADIUM__V_	0.180	0.003	0.113	-0.008
ZINC__ZN_	0.182	0.054	0.056	-0.006
ZIRCONIUM__ZR_	0.164	-0.103	0.226	0.098

ANNEXE C-3
SYSTAT PCA

Standard Error for Each Eigenvector Element	1	2	3	4
PH	0.018	0.191	0.063	0.182
GRAVEL	0.023	0.171	0.280	0.103
SAND	0.009	0.050	0.058	0.066
SILT	0.009	0.038	0.068	0.061
CLAY	0.009	0.075	0.055	0.083
INORG_CARBON	0.012	0.114	0.060	0.110
TOC	0.015	0.067	0.106	0.109
ALUMINUM__AL_	0.004	0.037	0.024	0.036
ANTIMONY__SB_	0.013	0.065	0.121	0.075
ARSENIC__AS_	0.017	0.089	0.156	0.127
BARIUM__BA_	0.005	0.026	0.037	0.029
BERYLLIUM__BE_	0.004	0.026	0.023	0.031
BORON__B_	0.003	0.022	0.017	0.024
CADMIUM__CD_	0.013	0.080	0.098	0.091
CALCIUM__CA_	0.014	0.039	0.122	0.088
CHROMIUM__CR_	0.003	0.015	0.020	0.020
COBALT__CO_	0.004	0.016	0.027	0.025
COPPER__CU_	0.005	0.039	0.022	0.042
IRON__FE_	0.013	0.062	0.092	0.092
LEAD__PB_	0.005	0.038	0.031	0.042
LITHIUM__LI_	0.005	0.028	0.037	0.032
MAGNESIUM__MG_	0.013	0.038	0.118	0.080
MANGANESE__MN_	0.011	0.024	0.101	0.060
MERCURY__HG_	0.008	0.038	0.059	0.048
MOLYBDENUM__MO_	0.015	0.116	0.105	0.125
NICKEL__NI_	0.004	0.020	0.025	0.029
PHOSPHORUS__P_	0.016	0.151	0.104	0.146
POTASSIUM__K_	0.003	0.024	0.022	0.025
SELENIUM__SE_	0.015	0.046	0.137	0.082
SODIUM__NA_	0.011	0.078	0.082	0.082
STRONTIUM__SR_	0.013	0.079	0.110	0.080
SULFUR__S_	0.019	0.104	0.154	0.136
THALLIUM__TL_	0.004	0.018	0.021	0.024
TITANIUM__TI_	0.008	0.039	0.048	0.052
URANIUM__U_	0.007	0.030	0.055	0.042
VANADIUM__V_	0.005	0.046	0.021	0.049
ZINC__ZN_	0.004	0.026	0.027	0.032
ZIRCONIUM__ZR_	0.011	0.091	0.061	0.091

**ANNEXE C-3
SYSTAT PCA**

Component Loadings				
	1	2	3	4
PH	-0.632	-0.060	0.654	0.133
GRAVEL	-0.061	0.082	0.314	-0.889
SAND	-0.918	-0.117	-0.124	0.092
SILT	0.919	-0.175	-0.040	0.109
CLAY	0.915	0.134	0.240	0.083
INORG_CARBON	0.850	0.055	0.376	-0.146
TOC	0.774	-0.332	-0.151	0.071
ALUMINUM__AL_	0.985	0.037	0.120	0.056
ANTIMONY__SB_	0.829	0.350	0.147	0.249
ARSENIC__AS_	0.667	-0.411	-0.183	-0.311
BARIUM__BA_	0.971	0.023	-0.031	-0.094
BERYLLIUM__BE_	0.981	-0.020	0.066	0.030
BORON__B_	0.989	-0.017	0.061	0.021
CADMIUM__CD_	0.824	0.329	0.247	-0.130
CALCIUM__CA_	0.807	-0.463	0.060	-0.009
CHROMIUM__CR_	0.991	-0.012	-0.001	0.038
COBALT__CO_	0.986	-0.087	0.026	0.007
COPPER__CU_	0.977	-0.035	0.125	0.015
IRON__FE_	0.828	-0.306	-0.159	-0.033
LEAD__PB_	0.973	0.086	0.119	0.035
LITHIUM__LI_	0.978	-0.103	0.075	0.070
MAGNESIUM__MG_	0.833	-0.429	0.009	0.115
MANGANESE__MN_	0.882	-0.398	0.000	0.028
MERCURY__HG_	0.946	0.201	0.106	-0.071
MOLYBDENUM__MO_	0.767	0.400	-0.393	0.044
NICKEL__NI_	0.982	0.033	0.025	0.034
PHOSPHORUS__P_	0.719	-0.356	-0.514	-0.155
POTASSIUM__K_	0.989	0.003	0.067	0.054
SELENIUM__SE_	0.768	0.549	-0.131	0.012
SODIUM__NA_	0.882	0.311	-0.260	-0.071
STRONTIUM__SR_	0.822	0.034	-0.159	-0.313
SULFUR__S_	0.583	0.587	-0.332	-0.026
THALLIUM__TL_	0.983	0.010	0.014	0.030
TITANIUM__TI_	0.944	-0.144	-0.102	0.022
URANIUM__U_	0.953	0.127	-0.012	0.113
VANADIUM__V_	0.977	0.004	0.149	-0.009
ZINC__ZN_	0.983	0.084	0.074	-0.006
ZIRCONIUM__ZR_	0.887	-0.160	0.300	0.109

Variance Explained by Components			
1	2	3	4
29.333	2.407	1.753	1.239

**ANNEXE C-3
SYSTAT PCA**

Percent of Total Variance Explained			
1	2	3	4
77.191	6.336	4.613	3.260

Differences: Original Minus Fitted Correlations or Covariances												
	PH	GRAVEL	SAND	SILT	CLAY	INORG	CARBON	TOC	ALUMINUM_AL	ANTIMONY_SB	ARSENIC_AS	BARIUM_BA
PH	0.151											
GRAVEL	-0.009	0.100										
SAND	0.049	-0.021	0.121									
SILT	-0.035	-0.004	-0.081	0.112								
CLAY	-0.026	-0.057	-0.037	0.043	0.080							
INORG_CARBON	-0.009	-0.026	-0.031	0.037	0.025	0.111						
TOC	0.021	0.030	-0.063	0.073	0.003	0.067	0.262					
ALUMINUM_AL	-0.003	-0.006	0.010	-0.010	0.001	-0.010	-0.019	0.011				
ANTIMONY_SB	-0.012	0.001	-0.023	-0.022	0.006	-0.008	-0.037	0.004	0.107			
ARSENIC_AS	0.018	-0.112	0.019	-0.027	0.079	0.007	-0.105	0.021	0.076	0.256		
BARIUM_BA	0.013	-0.006	0.022	-0.012	-0.004	-0.014	-0.024	0.006	-0.011	0.000	0.047	
BERYLLIUM_BE	-0.028	0.016	0.008	-0.004	-0.003	-0.018	-0.029	0.001	-0.005	-0.012	-0.002	
BORON_B	-0.016	0.001	0.000	-0.007	0.001	-0.009	-0.028	0.002	0.007	0.014	-0.006	
CADMIUM_CD	-0.018	-0.057	0.011	0.011	0.029	-0.013	0.012	-0.001	-0.010	0.033	-0.004	
CALCIUM_CA	0.032	0.021	0.010	-0.013	-0.039	0.006	0.022	-0.023	-0.022	-0.082	0.000	
CHROMIUM_CR	-0.004	0.014	0.015	-0.008	-0.016	-0.018	-0.013	0.006	-0.008	-0.017	0.007	
COBALT_CO	0.019	0.006	0.032	-0.027	-0.017	-0.015	-0.013	0.003	-0.006	-0.009	0.013	
COPPER_CU	0.026	-0.003	0.016	-0.032	-0.009	-0.016	-0.020	0.001	0.011	0.009	-0.001	
IRON_FE	0.071	0.011	0.040	-0.076	-0.021	-0.044	-0.072	0.006	0.035	0.037	0.020	
LEAD_PB	-0.026	0.001	-0.001	0.002	0.010	-0.011	-0.035	0.004	0.002	0.017	-0.004	
LITHIUM_LI	-0.007	0.019	0.008	-0.019	-0.017	-0.014	-0.027	-0.004	0.006	-0.017	-0.003	
MAGNESIUM_MG	-0.014	0.058	-0.036	0.015	-0.039	0.017	0.024	-0.016	-0.015	-0.096	-0.015	
MANGANESE_MN	0.035	0.013	0.023	-0.044	-0.029	-0.003	-0.007	-0.005	0.010	-0.015	0.001	
MERCURY_HG	-0.012	-0.033	0.005	0.009	0.015	0.011	0.009	0.006	-0.004	0.034	0.002	
MOLYBDENUM_MO	0.040	0.053	0.006	-0.011	-0.041	-0.006	0.027	-0.014	-0.016	-0.065	-0.013	
NICKEL_NI	-0.005	0.013	0.019	-0.010	-0.012	-0.025	-0.007	0.008	-0.005	-0.015	0.005	
PHOSPHORUS_P	-0.007	-0.020	-0.020	0.014	0.026	0.000	-0.027	0.010	0.029	0.054	-0.004	
POTASSIUM_K	0.000	-0.008	0.014	-0.017	-0.001	-0.005	-0.025	0.007	0.004	0.022	0.005	
SELENIUM_SE	0.027	0.007	0.015	-0.035	-0.019	-0.019	0.001	0.005	0.015	0.000	0.011	

**ANNEXE C-3
SYSTAT PCA**

Differences: Original Minus Fitted Correlations or Covariances												
	PH	GRAVEL	SAND	SILT	CLAY	INORG_CARBON	TOC	ALUMINIUM_AL	ANTIMONY_SB	ARSENIC_AS	BARIUM_BA	
SODIUM_NA	0.014	-0.005	0.023	-0.015	0.003	0.016		-0.003	-0.003	-0.008	-0.003	-0.006
STRONTIUM_SR	0.063	-0.074	0.048	0.011	0.014	0.007		0.036	-0.011	-0.050	-0.008	-0.001
SULFUR_S	0.088	0.014	-0.006	-0.002	-0.028	0.040		0.029	-0.016	-0.026	-0.021	0.001
THALLIUM_TL	-0.023	0.013	0.006	0.002	-0.010	-0.007		-0.013	0.001	-0.008	-0.012	0.002
TITANIUM_TI	-0.004	0.038	0.034	-0.010	-0.040	-0.022		-0.001	0.009	-0.028	-0.060	0.016
URANIUM_U	0.008	0.043	0.007	0.000	-0.032	-0.020		0.027	-0.004	-0.025	-0.072	-0.001
VANADIUM_V	-0.022	-0.020	-0.002	0.000	0.020	-0.006		-0.034	0.007	0.017	0.049	-0.002
ZINC_ZN	-0.007	-0.006	0.015	-0.010	0.004	-0.016		-0.021	0.008	-0.004	0.009	0.011
ZIRCONIUM_ZR	0.026	0.019	0.033	-0.025	-0.029	-0.023		-0.035	0.002	-0.029	-0.015	-0.003

Differences: Original Minus Fitted Correlations or Covariances (Contd.)										
	BERYLLIUM_BE	BORON_B	CADMIUM_CD	CALCIUM_CA	CHROMIUM_CR	COBALT_CO	COPPER_CU	IRON_FE	LEAD_PB	
PH										
GRAVEL										
SAND										
SILT										
CLAY										
INORG_CARBON										
TOC										
ALUMINIUM_AL										
ANTIMONY_SB										
ARSENIC_AS										
BARIUM_BA										
BERYLLIUM_BE	0.032									
BORON_B	0.012	0.018								
CADMIUM_CD	-0.021	-0.006	0.134							
CALCIUM_CA	-0.012	-0.001	0.005	0.130						
CHROMIUM_CR	0.008	-0.002	-0.008	-0.016	0.017					
COBALT_CO	0.000	-0.008	-0.001	-0.002	0.009	0.020				
COPPER_CU	-0.008	-0.003	0.004	0.006	-0.002	0.007	0.029			
IRON_FE	-0.012	-0.011	-0.007	-0.007	-0.001	0.025	0.044	0.194		
LEAD_PB	0.022	0.012	-0.021	-0.021	0.004	-0.004	-0.009	-0.023	0.030	

**ANNEXE C-3
SYSTAT PCA**

Differences: Original Minus Fitted Correlations or Covariances (Contd.)									
	BERYLLIUM_B E_	BORON_B	CADMIUM_CD	CALCIUM_CA	CHROMIUM_C R_	COBALT_CO	COPPER_CU	IRON_FE	LEAD_PB
LITHIUM_LI_	0.012	0.011	-0.017	0.026	-0.001	-0.002	0.002	-0.004	0.008
MAGNESIUM_MG_	-0.001	0.003	-0.028	0.073	-0.001	-0.010	-0.006	-0.041	-0.006
MANGANESE_MN_	-0.013	-0.009	0.001	0.024	-0.007	0.016	0.022	0.062	-0.018
MERCURY_HG_	-0.005	-0.005	0.014	-0.026	-0.002	-0.001	-0.001	-0.015	0.001
MOLYBDENUM_MO_	0.000	-0.001	-0.016	0.044	-0.002	0.006	0.003	0.029	-0.012
NICKEL_NI_	0.011	-0.005	-0.006	-0.033	0.020	0.013	0.001	0.004	0.005
PHOSPHORUS_P_	0.000	0.005	0.007	-0.052	0.003	-0.007	0.001	-0.023	0.013
POTASSIUM_K_	-0.002	0.005	0.002	-0.004	0.001	0.001	0.002	0.014	-0.001
SELENIUM_SE_	-0.009	-0.007	-0.021	-0.001	0.006	0.007	0.013	0.035	-0.010
SODIUM_NA_	0.002	0.000	-0.014	0.006	0.000	0.005	0.010	0.008	-0.002
STRONTIUM_SR_	-0.016	-0.009	0.041	0.059	-0.013	-0.002	0.004	-0.044	-0.014
SULFUR_S_	-0.027	-0.003	-0.026	0.098	-0.023	-0.004	0.005	0.013	-0.020
THALLIUM_TL_	0.011	0.006	-0.015	0.003	0.006	0.000	-0.013	-0.031	0.014
TITANIUM_TI_	0.014	-0.003	-0.023	-0.021	0.027	0.019	-0.013	-0.005	0.002
URANIUM_U_	0.012	-0.007	-0.018	-0.002	0.011	0.010	0.004	0.009	0.000
VANADIUM_V_	0.005	0.006	0.013	-0.030	0.002	-0.004	-0.002	0.000	0.010
ZINC_ZN_	0.007	-0.004	0.002	-0.028	0.010	0.010	0.001	0.015	0.004
ZIRCONIUM_ZR_	0.008	0.015	-0.025	0.020	0.004	0.003	0.002	-0.005	0.008

Differences: Original Minus Fitted Correlations or Covariances (Contd.)							
	LITHIUM_LI	MAGNESIUM_MG	MANGANESE_MN	MERCURY_HG	MOLYBDENUM_MO	NICKEL_NI	PHOSPHORUS_P
PH							
GRAVEL							
SAND							
SILT							
CLAY							
INORG_CARBON							
TOC							
ALUMINUM_AL_							
ANTIMONY_SB_							
ARSENIC_AS_							

**ANNEXE C-3
SYSTAT PCA**

Differences: Original Minus Fitted Correlations or Covariances (Contd.)							
	LITHIUM_LI	MAGNESIUM_MG	MANGANESE_MN	MERCURY_HG	MOLYBDENUM_MO	NICKEL_NI	PHOSPHORUS_P
BARIUM_BA							
BERYLLIUM_BE							
BORON_B							
CADMIUM_CD							
CALCIUM_CA							
CHROMIUM_CR							
COBALT_CO							
COPPER_CU							
IRON_FE							
LEAD_PB							
LITHIUM_LI	0.023						
MAGNESIUM_MG	0.021	0.109					
MANGANESE_MN	0.004	0.007	0.063				
MERCURY_HG	-0.013	-0.028	0.000	0.048			
MOLYBDENUM_MO	0.010	0.034	0.028	-0.024	0.094		
NICKEL_NI	-0.005	-0.018	-0.005	0.006	-0.005	0.034	
PHOSPHORUS_P	-0.005	-0.026	-0.024	0.007	-0.031	0.008	0.068
POTASSIUM_K	0.002	-0.004	0.000	-0.002	-0.010	-0.003	-0.002
SELENIUM_SE	0.008	-0.010	0.020	0.000	-0.017	0.013	0.007
SODIUM_NA	0.001	0.006	0.005	-0.009	-0.004	0.000	-0.012
STRONTIUM_SR	-0.007	-0.026	-0.007	0.017	-0.014	-0.011	-0.023
SULFUR_S	0.008	0.076	0.027	-0.027	0.043	-0.053	-0.039
THALLIUM_TL	0.010	0.008	-0.014	-0.004	0.002	0.001	-0.005
TITANIUM_TI	-0.002	-0.001	-0.004	-0.011	0.008	0.030	-0.013
URANIUM_U	0.001	0.003	0.007	-0.006	0.033	0.019	-0.007
VANADIUM_V	-0.003	-0.017	-0.015	0.003	-0.023	0.003	0.015
ZINC_ZN	-0.005	-0.024	-0.003	0.007	-0.013	0.018	0.004
ZIRCONIUM_ZR	0.013	0.012	-0.006	-0.018	0.033	-0.006	-0.004

**ANNEXE C-3
SYSTAT PCA**

Differences: Original Minus Fitted Correlations or Covariances (Contd.)								
	POTASSIUM_K	SELENIUM_SE	SODIUM_NA	STRONTIUM_SR	SULFUR_S	THALLIUM_TL	TITANIUM_TI	URANIUM_U
PH								
GRAVEL								
SAND								
SILT								
CLAY								
INORG_CARBON								
TOC								
ALUMINUM_AL								
ANTIMONY_SB								
ARSENIC_AS								
BARIUM_BA								
BERYLLIUM_BE								
BORON_B								
CADMIUM_CD								
CALCIUM_CA								
CHROMIUM_CR								
COBALT_CO								
COPPER_CU								
IRON_FE								
LEAD_PB								
LITHIUM_LI								
MAGNESIUM_MG								
MANGANESE_MN								
MERCURY_HG								
MOLYBDENUM_MO								
NICKEL_NI								
PHOSPHORUS_P								
POTASSIUM_K	0.014							
SELENIUM_SE	0.006	0.091						
SODIUM_NA	0.003	-0.009	0.053					
STRONTIUM_SR	-0.006	0.002	0.014	0.199				
SULFUR_S	0.003	-0.039	0.011	0.019	0.205			

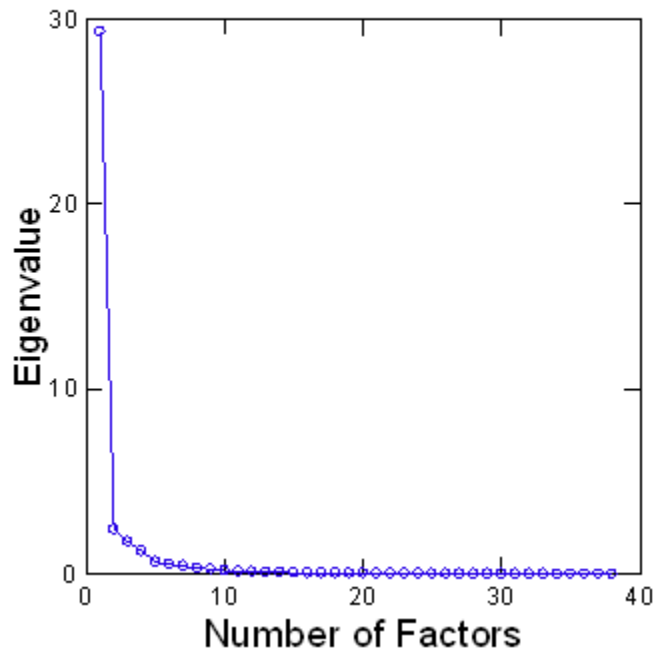
**ANNEXE C-3
SYSTAT PCA**

Differences: Original Minus Fitted Correlations or Covariances (Contd.)								
	POTASSIUM_K	SELENIUM_SE	SODIUM_NA	STRONTIUM_SR	SULFUR_S	THALLIUM_TL	TITANIUM_TI	URANIUM_U
THALLIUM_TL_	0.002	-0.008	-0.010	-0.012	-0.003	0.032		
TITANIUM_TI_	0.005	0.006	-0.005	-0.013	-0.025	0.020	0.078	
URANIUM_U_	-0.015	0.005	-0.010	-0.006	-0.019	-0.001	0.027	0.062
VANADIUM_V_	0.007	-0.008	0.000	-0.015	-0.025	0.001	-0.007	-0.019
ZINC_ZN_	0.003	0.006	-0.003	-0.007	-0.037	0.003	0.016	0.003
ZIRCONIUM_ZR_	0.003	-0.015	0.009	0.009	0.046	0.012	0.015	0.017

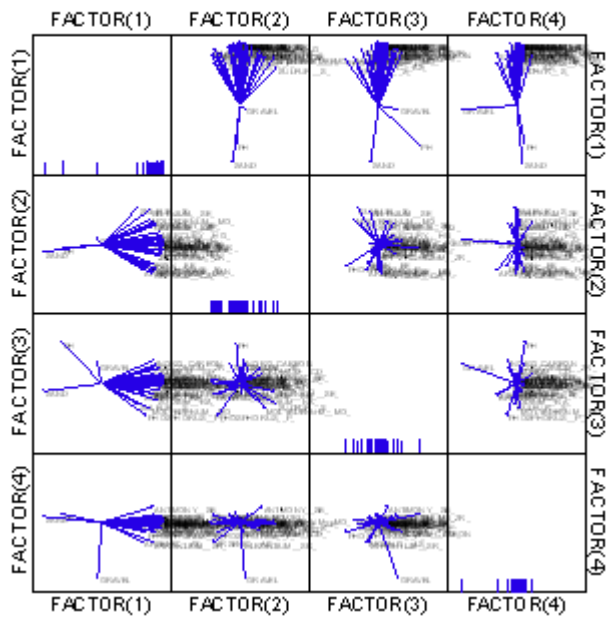
**ANNEXE C-3
SYSTAT PCA**

Differences: Original Minus Fitted Correlations or Covariances (Contd.)			
	VANADIUM__V__	ZINC__ZN__	ZIRCONIUM__ZR__
PH			
GRAVEL			
SAND			
SILT			
CLAY			
INORG__CARBON			
TOC			
ALUMINIUM__AL__			
ANTIMONY__SB__			
ARSENIC__AS__			
BARIUM__BA__			
BERYLLIUM__BE__			
BORON__B__			
CADMIUM__CD__			
CALCIUM__CA__			
CHROMIUM__CR__			
COBALT__CO__			
COPPER__CU__			
IRON__FE__			
LEAD__PB__			
LITHIUM__LI__			
MAGNESIUM__MG__			
MANGANESE__MN__			
MERCURY__HG__			
MOLYBDENUM__MO__			
NICKEL__NI__			
PHOSPHORUS__P__			
POTASSIUM__K__			
SELENIUM__SE__			
SODIUM__NA__			
STRONTIUM__SR__			
SULFUR__S__			
THALLIUM__TL__			
TITANIUM__TI__			
URANIUM__U__			
VANADIUM__V__	0.024		
ZINC__ZN__	0.009	0.020	
ZIRCONIUM__ZR__	-0.010	-0.014	0.086

Scree Plot



Factor Loadings Plot



**ANNEXE C-3
SYSTAT PCA**

Factor Coefficients				
	1	2	3	4
PH	-0.022	-0.025	0.373	0.107
GRAVEL	-0.002	0.034	0.179	-0.718
SAND	-0.031	-0.048	-0.070	0.075
SILT	0.031	-0.073	-0.023	0.088
CLAY	0.031	0.056	0.137	0.067
INORG_CARBON	0.029	0.023	0.214	-0.118
TOC	0.026	-0.138	-0.086	0.057
ALUMINUM__AL_	0.034	0.015	0.068	0.045
ANTIMONY__SB_	0.028	0.146	0.084	0.201
ARSENIC__AS_	0.023	-0.171	-0.104	-0.251
BARIUM__BA_	0.033	0.010	-0.018	-0.076
BERYLLIUM__BE_	0.033	-0.008	0.038	0.025
BORON__B_	0.034	-0.007	0.035	0.017
CADMIUM__CD_	0.028	0.137	0.141	-0.105
CALCIUM__CA_	0.028	-0.192	0.034	-0.007
CHROMIUM__CR_	0.034	-0.005	-0.001	0.031
COBALT__CO_	0.034	-0.036	0.015	0.005
COPPER__CU_	0.033	-0.014	0.071	0.012
IRON__FE_	0.028	-0.127	-0.091	-0.027
LEAD__PB_	0.033	0.036	0.068	0.028
LITHIUM__LI_	0.033	-0.043	0.043	0.056
MAGNESIUM__MG_	0.028	-0.178	0.005	0.093
MANGANESE__MN_	0.030	-0.165	0.000	0.022
MERCURY__HG_	0.032	0.084	0.060	-0.057
MOLYBDENUM__MO_	0.026	0.166	-0.224	0.035
NICKEL__NI_	0.033	0.014	0.014	0.027
PHOSPHORUS__P_	0.025	-0.148	-0.293	-0.125
POTASSIUM__K_	0.034	0.001	0.038	0.044
SELENIUM__SE_	0.026	0.228	-0.075	0.010
SODIUM__NA_	0.030	0.129	-0.148	-0.057
STRONTIUM__SR_	0.028	0.014	-0.091	-0.253
SULFUR__S_	0.020	0.244	-0.189	-0.021
THALLIUM__TL_	0.034	0.004	0.008	0.024
TITANIUM__TI_	0.032	-0.060	-0.058	0.018
URANIUM__U_	0.033	0.053	-0.007	0.091
VANADIUM__V_	0.033	0.002	0.085	-0.007
ZINC__ZN_	0.034	0.035	0.042	-0.005
ZIRCONIUM__ZR_	0.030	-0.067	0.171	0.088

Coefficients for Standardized Factor Scores				
	1	2	3	4
PH	-0.022	-0.025	0.373	0.107
GRAVEL	-0.002	0.034	0.179	-0.718
SAND	-0.031	-0.048	-0.070	0.075
SILT	0.031	-0.073	-0.023	0.088
CLAY	0.031	0.056	0.137	0.067
INORG_CARBON	0.029	0.023	0.214	-0.118

ANNEXE C-3
SYSTAT PCA

Coefficients for Standardized Factor Scores				
	1	2	3	4
TOC	0.026	-0.138	-0.086	0.057
ALUMINUM__AL_	0.034	0.015	0.068	0.045
ANTIMONY__SB_	0.028	0.146	0.084	0.201
ARSENIC__AS_	0.023	-0.171	-0.104	-0.251
BARIUM__BA_	0.033	0.010	-0.018	-0.076
BERYLLIUM__BE_	0.033	-0.008	0.038	0.025
BORON__B_	0.034	-0.007	0.035	0.017
CADMIUM__CD_	0.028	0.137	0.141	-0.105
CALCIUM__CA_	0.028	-0.192	0.034	-0.007
CHROMIUM__CR_	0.034	-0.005	-0.001	0.031
COBALT__CO_	0.034	-0.036	0.015	0.005
COPPER__CU_	0.033	-0.014	0.071	0.012
IRON__FE_	0.028	-0.127	-0.091	-0.027
LEAD__PB_	0.033	0.036	0.068	0.028
LITHIUM__LI_	0.033	-0.043	0.043	0.056
MAGNESIUM__MG_	0.028	-0.178	0.005	0.093
MANGANESE__MN_	0.030	-0.165	0.000	0.022
MERCURY__HG_	0.032	0.084	0.060	-0.057
MOLYBDENUM__MO_	0.026	0.166	-0.224	0.035
NICKEL__NI_	0.033	0.014	0.014	0.027
PHOSPHORUS__P_	0.025	-0.148	-0.293	-0.125
POTASSIUM__K_	0.034	0.001	0.038	0.044
SELENIUM__SE_	0.026	0.228	-0.075	0.010
SODIUM__NA_	0.030	0.129	-0.148	-0.057
STRONTIUM__SR_	0.028	0.014	-0.091	-0.253
SULFUR__S_	0.020	0.244	-0.189	-0.021
THALLIUM__TL_	0.034	0.004	0.008	0.024
TITANIUM__TI_	0.032	-0.060	-0.058	0.018
URANIUM__U_	0.033	0.053	-0.007	0.091
VANADIUM__V_	0.033	0.002	0.085	-0.007
ZINC__ZN_	0.034	0.035	0.042	-0.005
ZIRCONIUM__ZR_	0.030	-0.067	0.171	0.088

Standardized Scores have been saved.

**ANNEXE C-3
SYSTAT PCA**

▼ File: C:\Users\aospan\Desktop\2018_BIM_Stat\Sedim_PCA_Factor_Scores.syz

Number of Variables : 44
Number of Cases : 69

SYSTAT Rectangular file C:\Users\aospan\Desktop\2018_BIM_Stat\Sedim_PCA_Factor_Scores.syz,
Created data file Fri Jan 11 13:52:28 2019 containing variables:

PH	GRAVEL	SAND	SILT	CLAY	INORG_CARBO N
TOC	ALUMINUM__AL _	ANTIMONY__SB _	ARSENIC__AS _	BARIUM__BA _	BERYLLIUM__B E _
BORON__B _	CADMIUM__CD _	CALCIUM__CA _	CHROMIUM__CR _	COBALT__CO _	COPPER__CU _
IRON__FE _	LEAD__PB _	LITHIUM__LI _	MAGNESIUM__M G _	MANGANESE__M N _	MERCURY__HG _
MOLYBDENUM__M O _	NICKEL__NI _	PHOSPHORUS__ P _	POTASSIUM__K _	SELENIUM__SE _	SODIUM__NA _
STRONTIUM__SR _	SULFUR__S _	THALLIUM__TL _	TITANIUM__TI _	URANIUM__U _	VANADIUM__V _
ZINC__ZN _	ZIRCONIUM__Z R _	FACTOR(1)	FACTOR(2)	FACTOR(3)	FACTOR(4)
TSQUARE	PROB				

▼ File: C:\Users\aospan\Desktop\2018_BIM_Stat\Sediment_input.syz

Number of Variables : 39
Number of Cases : 69

SYSTAT Rectangular file C:\Users\aospan\Desktop\2018_BIM_Stat\Sediment_input.syz,
Created data file Fri Jan 11 14:01:52 2019 containing variables:

SAMPLE\$	PH	GRAVEL	SAND	SILT	CLAY
INORG_CARBO N	TOC	ALUMINUM__AL _	ANTIMONY__SB _	ARSENIC__AS _	BARIUM__BA _
BERYLLIUM__B E _	BORON__B _	CADMIUM__CD _	CALCIUM__CA _	CHROMIUM__CR _	COBALT__CO _
COPPER__CU _	IRON__FE _	LEAD__PB _	LITHIUM__LI _	MAGNESIUM__M G _	MANGANESE__M N _
MERCURY__HG _	MOLYBDENUM__M O _	NICKEL__NI _	PHOSPHORUS__ P _	POTASSIUM__K _	SELENIUM__SE _
SODIUM__NA _	STRONTIUM__SR _	SULFUR__S _	THALLIUM__TL _	TITANIUM__TI _	URANIUM__U _
VANADIUM__V _	ZINC__ZN _	ZIRCONIUM__Z R _			

ANNEXE C-3 SYSTAT PCA

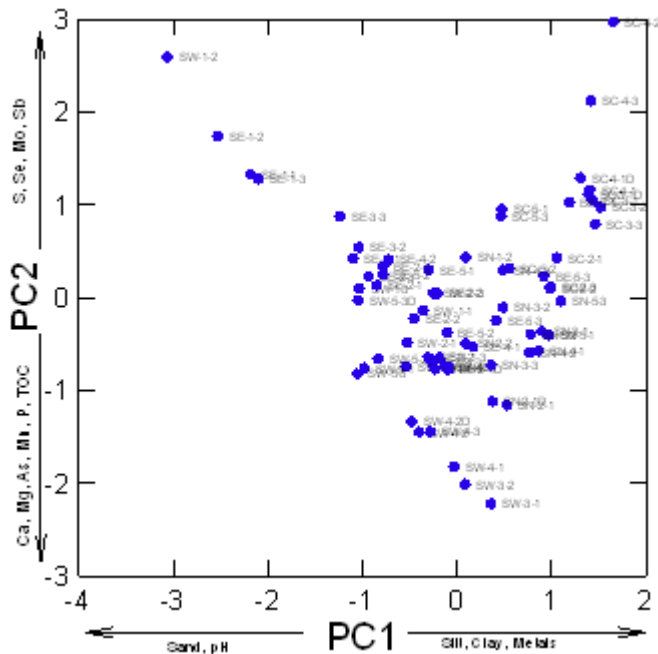
▼ File: C:\Users\aospan\Desktop\2018_BIM_Stat\Sedim_PCA_Factor_Scores.syz

Number of Variables : 44
Number of Cases : 69

SYSTAT Rectangular file C:\Users\aospan\Desktop\2018_BIM_Stat\Sedim_PCA_Factor_Scores.syz,
Created data file Fri Jan 11 13:52:28 2019 containing variables:

PH	GRAVEL	SAND	SILT	CLAY	INORG_CARBO N
TOC	ALUMINUM__AL	ANTIMONY__SB	ARSENIC__AS	BARIUM__BA	BERYLLIUM__B E
BORON__B	CADMIUM__CD	CALCIUM__CA	CHROMIUM__CR	COBALT__CO	COPPER__CU
IRON__FE	LEAD__PB	LITHIUM__LI	MAGNESIUM__M G	MANGANESE__M N	MERCURY__HG
MOLYBDENUM__M O	NICKEL__NI	PHOSPHORUS__ P	POTASSIUM__K	SELENIUM__SE	SODIUM__NA
STRONTIUM__SR	SULFUR__S	THALLIUM__TL	TITANIUM__TI	URANIUM__U	VANADIUM__V
ZINC__ZN	ZIRCONIUM__Z R	FACTOR(1)	FACTOR(2)	FACTOR(3)	FACTOR(4)
TSQUARE	PROB				

▼ Scatter Plot



ANNEXE D

Belt Transect Underwater Video Data

ANNEXE D-1
BELT TRANSECT UNDERWATER VIDEO DATA

Transect	Belt Transect Location		Video File Name	Video Analysis Start	Video Analysis End	Depth Range (m)	Substrate (Percent Cover)	Macroflora (Percent Cover)	Epifauna (Count)
	UTM Coordinates	UTM Coordinates							
	Easting	Northing							
TP 1	502828	7976382	TP-1.AVI	12:41:30	12:48:09	9.1 - 10.6	Fine (100%) Shell debris (<1%)	Not classifiable (35%) <i>Laminaria</i> sp. (1%)	brittle star-Ophiuridae indet. (11) sun star (2) sea butterfly (1) clam siphon holes (~100) tunicate (2) sand lance (1) sculpin (2)
TP 2			TP-2.AVI	10:16:43	10:28:12	9.23-10.3	Fine (90%) Mixed cobble (5%) Shell debris (5%)	<i>Laminaria</i> sp. (1%) Green algae (1%)	Mysida (750) sea butterfly (1) sculpin (2) bivalve sp. (1) fish doctor (1) jellyfish (5) clam siphon holes (3)
TP 3			TP-3.AVI	12:21:48	12:28:39	12.2-12.5	Fine (95%) Shell debris (5%)	red algae (20%) Not classifiable (50%)	Ophiuroidea (14) fish doctor (1) sea anemone indet. (1) clam siphon holes (~50)
TP 4			TP-4.AVI	12:57:00	13:02:26	11.9-12.1	Fine (85%) Shell debris (10%) Mixed cobble (5%)	Not classifiable (50%) red algae (30%)	Ophiuroidea (20) clam siphon holes (~50) tunicate (2) sea urchin (2) Buccinidae (1)

ANNEXE D-1
BELT TRANSECT UNDERWATER VIDEO DATA

Transect	Belt Transect Location		Video File Name	Video Analysis Start	Video Analysis End	Depth Range (m)	Substrate (Percent Cover)	Macroflora (Percent Cover)	Epifauna (Count)
	UTM Coordinates								
	Easting	Northing							
TP 5			TP-5.AVI	13:21:25	13:25:45	11.76-12.39	Fine (95%) Shell debris (10%) Mixed cobble (trace amounts)	Not classifiable (80%)	Ophiuroidea (2) clam siphon holes sea urchin (5)
TP 7			TP-7.AVI	14:24:17	14:30:48	10.4-11.36	Fine (90%) Shell debris (10%) Mixed cobble (trace amounts)	green algae (5%) red algae (15%) <i>Laminaria</i> sp. (1%) Not classifiable (60%) encrusting corraline algae (5%)	sculpin (1) clione (1) tunicate (3)
TP 8			TP-8.AVI	14:57:37	15:03:30	10.59-11.45	Fine (85%) Shell debris (10%) Mixed cobble (5%)	green algae (30%) detritus/ algal mat (45%) encrusting corraline algae (5%)	sculpin (1) sunstar (1) tunicate (1) Ophiuroidea (32)
TP 9			TP-9.AVI	15:51:08	15:56:27	9.94-11.85	Fine (85%) Shell debris (10%) Mixed boulders (5%)	green algae (10%) detritus/ algal mat (85%) encrusting corraline algae (5%)	sculpin (2) jellyfish (?) Ophiuroidea (32)

ANNEXE D-1
BELT TRANSECT UNDERWATER VIDEO DATA

Transect	Belt Transect Location		Video File Name	Video Analysis Start	Video Analysis End	Depth Range (m)	Substrate (Percent Cover)	Macroflora (Percent Cover)	Epifauna (Count)
	UTM Coordinates								
	Easting	Northing							
TP 10			TP-10.AVI	16:51:35	16:58:55	7.09-9.25	Fine (84%) Shell debris (15%) Mixed cobble (1%)	<i>Laminaria</i> sp. (35%) detritus/ algal mat (65%)	Ophiuroidea (1) Mysida (abundant)

ANNEXE E

Benthic Infauna Data



Abbreviations & Definitions

Worksheets:

- | | |
|--------------------------------|---|
| 1. Abbreviations & Definitions | Glossary of terms and outline of report |
| 2. Data - Matrix | Abundance data in matrix format, including total taxa count (species richness) per sample, and total abundance, no. composite grabs, and total density. |
| 3. Data - Long | Abundance data in long (raw) format. |
| 4. Quality Control | Results of sorting efficiency QA/QC |
| 5. Provisional Taxa | Description of unique that are undescribed and assigned internal numbers (e.g., sp. 1, sp.2 etc.) |

Life Stages:

A	Adult
Int	Intermediate - has adult features but not of typical reproductive size
J	Juvenile
L	Larvae
N	Nymph
P	Pupa
Col	Colony
Deut	Deutonymph
MEMO	Incidental taxa/fragments not included in data, or whose abundance is not generally captured accurately by 1.0mm screen.
	Number of unique taxa (=species richness), not including higher-order taxa for which there exists a lower-order identification (e.g. not including <i>Lumbrineris</i> sp. if there exists <i>Lumbrineris cruzensis</i> in the data)
Total Number of Taxa	
Total Number of Organisms	Total Abundance, not including incidental taxa

Biologica Coding

Major Taxonomic Groups:

Miscellaneous

BRAC	Brachiopoda
BRYO	Bryozoa
CNAN	Cnidaria Anthozoa
CNHY	Cnidaria Hydrozoa
CNXX	Cnidaria
ENTO	Entoprocta
EURA	Echiura
HEMI	Hemichordata
KINO	Kinorhyncha
NTEA	Nemertea
PHOR	Phoronida
PIXX	Pisces
PLTY	Platyhelminthes
PORI	Porifera
PRIA	Priapulida
SIPN	Sipuncula
TARD	Tardigrada
URAS	Ascidiacea

Annelida

ANHI	Annelida Hirudinea
ANOL	Annelida Oligochaeta
POER	Polychaeta Errantia
POSE	Polychaeta Sedentaria
POLY	Polychaeta
POXX	Polychaeta indet.

Arthropoda

CHPY	Chelicerata Pycnogonida
CHAC	Chelicerata Arachnida
CRAM	Crustacea Amphipoda
CRCI	Crustacea Cirripedia
CRCO	Crustacea Copepoda
CRCU	Crustacea Cumacea
CRDE	Crustacea Decapoda
CRIS	Crustacea Isopoda
CRLE	Crustacea Leptostraca
CRMY	Crustacea Mysidacea
CROS	Crustacea Ostracoda
CRTA	Crustacea Tanaidacea
CRXX	Crustacea

Echinodermata

ECAS	Echinodermata Asteroidea
ECCR	Echinodermata Crinoidea
ECEC	Echinodermata Echinoidea
ECHO	Echinodermata Holothuroidea
ECOP	Echinodermata Ophiuroidea

Mollusca

MOAP	Mollusca Aplacophora
MOBI	Mollusca Bivalvia
MOCE	Mollusca Cephalopoda
MOGA	Mollusca Gastropoda
MOPO	Mollusca Polyplacophora
MOSC	Mollusca Scaphopoda

Taxonomic Family Codes:

Group	Family	Family code
ANHI	Piscicolidae	1138
ANOL	Enchytraeidae	1133
ANOL	Naididae	1134
ANOL	Tubificidae	1136
BRAC	Frieleidae	0951
BRAC	Cancellothyrididae	0952
BRAC	Craniidae	0953
BRAC	Laqueidae	0954
BRAC	Platidiidae	0955
BRAC	Lingulidae	0956
BRAC	Dallinidae	0957
BRAC	Terebrataliidae	0958
BRYO	Aeteidae	0961
BRYO	Alcyoniidae	0962
BRYO	Annectocymidae	0964
BRYO	Arachnidiidae	0966
BRYO	Bugulidae	0968
BRYO	Bitectiporidae	0969
BRYO	Calloporidae	0970
BRYO	Candidae	0972
BRYO	Cellariidae	0974
BRYO	Celleporidae	0976
BRYO	Chapperiidae	0980
BRYO	Cheiloporinidae	0981
BRYO	Clavoporidae	0982
BRYO	Cribrillidae	0983
BRYO	Crisiidae	0984
BRYO	Diastoporidae	0985
BRYO	Epistomiidae	0986
BRYO	Escharellidae	0987
BRYO	Entalophoridae	0988
BRYO	Diaperoeciidae	0989
BRYO	Electridae	0990
BRYO	Eucrateidae	0993
BRYO	Hincksinidae	0988
BRYO	Hippoporinidae	0989
BRYO	Hippothoidae	0990
BRYO	Lichenoporidae	0991
BRYO	Lunulariidae	0992
BRYO	Membraniporidae	0994
BRYO	Microporellidae	0996
BRYO	Microporidae	0998
BRYO	Mucronellidae	0999
BRYO	Myriaporidae	1000
BRYO	Oncousoeciidae	1001
BRYO	Phylactellidae	1002
BRYO	Reteporidae	1001
BRYO	Rhamphostomellidae	1004
BRYO	Schizoporellidae	1006
BRYO	Smittinidae	1008
BRYO	Stomachetosellidae	1009
BRYO	Thalamoporellidae	1010
BRYO	Triticellidae	1012
BRYO	Tubuliporidae	1014
BRYO	Umbonulidae	1015
BRYO	Vesiculariidae	1016
BRYO	Victorellidae	1017
CHAC	Halacaridae	0673

Major Taxonomic Groups:
Miscellaneous

Taxonomic Family Codes:

Group	Family	Family code
CHPY	Ammotheidae	0662
CHPY	Callipallenidae	0664
CHPY	Nymphonidae	0666
CHPY	Phoxichilidiidae	0668
CHPY	Pycnogonidae	0670
CHPY	Tanystylidae	0672
CNAN	Actiniidae	0040
CNAN	Actinostolidae	0041
CNAN	Anthothelidae	0043
CNAN	Caryophylliidae	0042
CNAN	Cerianthidae	0044
CNAN	Clavulariidae	0046
CNAN	Corallimorphidae	0048
CNAN	Dendrophylliidae	0049
CNAN	Diadumenidae	0050
CNAN	Edwardsiidae	0052
CNAN	Epizoanthidae	0054
CNAN	Gorgoniidae	0056
CNAN	Halcampidae	0058
CNAN	Halcampoididae	0060
CNAN	Haloclavidae	0062
CNAN	Hormanthiidae	0064
CNAN	Isanthidae	0066
CNAN	Limnactiniidae	0068
CNAN	Metridiidae	0070
CNAN	Muriceidae	0072
CNAN	Pennatulidae	0074
CNAN	Plexauridae	0076
CNAN	Protoptilidae	0077
CNAN	Renillidae	0078
CNAN	Sagartiidae	0080
CNAN	Virgulariidae	0082
CNHY	Aequoreidae	0083
CNHY	Aglaopheniidae	0084
CNHY	Cladonematidae	0085
CNHY	Alcyellidae	0086
CNHY	Bonneviellidae	0087
CNHY	Bougainvilliidae	0088
CNHY	Calycopsidae	0089
CNHY	Campanulariidae	0090
CNHY	Eirenidae	0091
CNHY	Campanulinidae	0092
CNHY	Clavidae	0093
CNHY	Corymorphidae	0094
CNHY	Corynidae	0095
CNHY	Eudendriidae	0096
CNHY	Haleciidae	0097
CNHY	Hebellidae	0098
CNHY	Halimedusidae	0099
CNHY	Hydractiniidae	0100
CNHY	Laodiceidae	
CNHY	Lafoeidae	0101
CNHY	Lovenellidae	0102
CNHY	Mitrocomidae	0103
CNHY	Olindiasidae	0104
CNHY	Pandidae	0105
CNHY	Pennariidae	0106
CNHY	Euphysidae	0107
CNHY	Plumulariidae	0108
CNHY	Proboscoidactylidae	0109
CNHY	Protohydridae	
CNHY	Rathkeidae	
CNHY	Rhodaliidae	0110
CNHY	Rhysiidae	0111
CNHY	Sertulariidae	0112
CNHY	Tiarannidae	0113
CNHY	Trichydridae	
CNHY	Tubulariidae	0114
CNHY	Velellidae	0115
CNHY	Cordylophoridae	0116
CNHY	Calycellidae	0117
CRAM	Iphimediidae	0760
CRAM	Ampeliscidae	0762
CRAM	Amphilochidae	0764
CRAM	Ampithoidae	0766
CRAM	Anisogammaridae	0767
CRAM	Anamixidae	0768
CRAM	Aoridae	0770
CRAM	Argissidae	0772
CRAM	Astyridae	0774
CRAM	Bateidae	0776
CRAM	Beaudettiidae	0778
CRAM	Calliopiidae	0780
CRAM	Caprellidae	0782
CRAM	Cheluridae	0784
CRAM	Colomastigidae	0786
CRAM	Corophiidae	0788

Major Taxonomic Groups:
Miscellaneous

Taxonomic Family Codes:

Group	Family	Family code
CRAM	Cressidae	0790
CRAM	Dexaminidae	0792
CRAM	Dogielinotidae	0794
CRAM	Eophliantidae	0796
CRAM	Eusiridae	0798
CRAM	Gammaridae	0800
CRAM	Haustoriidae	0802
CRAM	Hyalidae	0804
CRAM	Hyatellidae	0806
CRAM	Hyperioptidae	0808
CRAM	Isaeidae	0810
CRAM	Ischyroceridae	0812
CRAM	Kuriidae	0814
CRAM	Lafystiidae	0816
CRAM	Laphystiopsidae	0818
CRAM	Lepechinellidae	0820
CRAM	Leucothoidae	0822
CRAM	Liljeborgiidae	0824
CRAM	Lysianassidae	0826
CRAM	Megaluropidae	0827
CRAM	Melphidippidae	0828
CRAM	Melitidae	0829
CRAM	Ochlesidae	0830
CRAM	Maeridae	0831
CRAM	Oedicerotidae	0832
CRAM	Opisidae	0833
CRAM	Pagetinidae	0834
CRAM	Odiidae	0835
CRAM	Paramphitoidae	0836
CRAM	Pardalscidae	0838
CRAM	Pariambidae	0840
CRAM	Philantidae	0842
CRAM	Phoxocephalidae	0844
CRAM	Phtiscidae	0846
CRAM	Pleustidae	0848
CRAM	Podoceridae	0850
CRAM	Pontogeneiidae	0851
CRAM	Prophliantidae	0852
CRAM	Pontoporeiidae	0853
CRAM	Protellidae	0854
CRAM	Sebidae	0856
CRAM	Stegocephalidae	0858
CRAM	Stenothoidae	0859
CRAM	Stilipedidae	0860
CRAM	Synopiidae	0862
CRAM	Talitridae	0864
CRAM	Thaumatelsonidae	0866
CRAM	Urothoidae	0865
CRAM	Vitjazianidae	0868
CRCO	Clytemnestridae	1300
CRCO	Harpacticidae	1301
CRCO	Mytilicolidae	1302
CRCO	Chondracanthidae	1303
CRCO	Caligidae	1304
CRCO	Tisbidae	1305
CRCO	Ectinosomatidae	1306
CRCI	Archaeobalanidae	0688
CRCI	Balanidae	0690
CRCI	Chthamalidae	0691
CRCI	Pollicipedidae	0693
CRCI	Scalpellidae	0692
CRCU	Bodotriidae	0698
CRCU	Diastylidae	0700
CRCU	Lampropidae	0702
CRCU	Leuconidae	0704
CRCU	Nannastacidae	0706
CRDE	Albuneidae	0870
CRDE	Alpheidae	0872
CRDE	Aristeidae	0874
CRDE	Atelecyclidae	0875
CRDE	Axiidae	0876
CRDE	Calappidae	0878
CRDE	Callianassidae	0880
CRDE	Cancriidae	0882
CRDE	Crangonidae	0884
CRDE	Cyclodorippidae	0886
CRDE	Diogenidae	0888
CRDE	Dromiidae	0890
CRDE	Galatheidae	0892
CRDE	Grapsidae	0894
CRDE	Hippidae	0896
CRDE	Hippolytidae	0898
CRDE	Homolidae	0900
CRDE	Laomeiidae	0902
CRDE	Leucosiidae	0904
CRDE	Lithodidae	0906
CRDE	Majidae	0908

Major Taxonomic Groups:
Miscellaneous

Taxonomic Family Codes:

Group	Family	Family code
CRDE	Ogyrididae	0910
CRDE	Oplophoridae	0912
CRDE	Oregoniidae	0913
CRDE	Paguridae	0914
CRDE	Palaemonidae	0916
CRDE	Palicidae	0918
CRDE	Palinuridae	0920
CRDE	Pandalidae	0922
CRDE	Parapaguridae	0924
CRDE	Parthenopidae	0926
CRDE	Pasiphaeidae	0928
CRDE	Penaeidae	0930
CRDE	Pinnotheridae	0932
CRDE	Porcellanidae	0934
CRDE	Portunidae	0936
CRDE	Processidae	0938
CRDE	Sergestidae	0940
CRDE	Sicyoniidae	0942
CRDE	Solenoceridae	0944
CRDE	Upogebiidae	0946
CRDE	Xanthidae	0948
CRIS	Aegidae	0720
CRIS	Ancinidae	0722
CRIS	Anthuridae	0724
CRIS	Arcturidae	0726
CRIS	Bopyridae	0728
CRIS	Cirrolanidae	0730
CRIS	Corallanidae	0732
CRIS	Cymothoidae	0734
CRIS	Desmosomatidae	0735
CRIS	Gnathiidae	0736
CRIS	Idoteidae	0738
CRIS	Janiridae	0740
CRIS	Joeropsididae	0742
CRIS	Limnoriidae	0744
CRIS	Munnidae	0746
CRIS	Munnopsidae	0748
CRIS	Paramunnidae	0750
CRIS	Paranthuridae	0752
CRIS	Scyphacidae	0753
CRIS	Serolidae	0754
CRIS	Sphaeromatidae	0756
CRIS	Tridentellidae	0758
CRLE	Nebaliidae	0694
CRMY	Mysidae	0696
CROS	Cylindroleberididae	0674
CROS	Cyprididae	0676
CROS	Cypridinidae	0678
CROS	Cytheridae	0677
CROS	Cytheruridae	0675
CROS	Loxococonchidae	0679
CROS	Macrocyprididae	0680
CROS	Paradoxostomatidae	0681
CROS	Philomedidae	0682
CROS	Pontocyprididae	0683
CROS	Rutidermatidae	0684
CROS	Sarsiellidae	0686
CROS	Trachyleberididae	0687
CRTA	Anarthruridae	0708
CRTA	Akanthophoreidae	0709
CRTA	Leptocheiliidae	0710
CRTA	Leptognathiidae	0711
CRTA	Nototanaiidae	0713
CRTA	Paratanaiidae	0712
CRTA	Pseudotanaiidae	0714
CRTA	Tanaellidae	0715
CRTA	Tanaidae	0716
CRTA	Typhlotanaiidae	0718
ECAS	Asteriidae	1020
ECAS	Asterinidae	1022
ECAS	Asteropseidae	1024
ECAS	Astropectinidae	1026
ECAS	Benthopectinidae	1028
ECAS	Brisingidae	1030
ECAS	Ctenodiscidae	1032
ECAS	Echinasteridae	1034
ECAS	Freyellidae	1036
ECAS	Goniasteridae	1038
ECAS	Korethrasteridae	1040
ECAS	Labidiasteridae	1042
ECAS	Luididae	1044
ECAS	Pedicellasteridae	1046
ECAS	Poraniidae	1048
ECAS	Porcellanasteridae	1050
ECAS	Pterasteridae	1052
ECAS	Solasteridae	1054
ECAS	Zoroasteridae	1056

Major Taxonomic Groups:
Miscellaneous

Taxonomic Family Codes:

Group	Family	Family code
ECCR	Antedonidae	1018
ECEC	Brissidae	1076
ECEC	Dendrasteridae	1078
ECEC	Loveniidae	1080
ECEC	Schizasteridae	1082
ECEC	Spatangiidae	1084
ECEC	Strongylocentrotidae	1086
ECEC	Toxopneustidae	1088
ECHO	Caudinidae	1090
ECHO	Chirodotidae	1092
ECHO	Cucumariidae	1094
ECHO	Molpadiidae	1096
ECHO	Phylloporidae	1098
ECHO	Psolidae	1100
ECHO	Sclerodactylidae	1102
ECHO	Stichopodidae	1104
ECHO	Synallactidae	1106
ECHO	Synaptidae	1108
ECOP	Amphiuridae	1058
ECOP	Gorgonocephalidae	1060
ECOP	Ophiacanthidae	1062
ECOP	Ophiactidae	1064
ECOP	Ophiocomidae	1066
ECOP	Ophiodermatidae	1068
ECOP	Ophionereidae	1070
ECOP	Ophiotricidae	1072
ECOP	Ophiuridae	1074
ENTO	Barentsiidae	0958
ENTO	Pedicellinidae	0959
ENTO	Loxosomatidae	0960
EURA	Bonelliidae	0322
EURA	Echiuridae	0323
EURA	Thalassematidae	0324
EURA	Urechidae	0326
HEMI	Harrimaniidae	1126
HEMI	Ptychoderidae	1128
HEMI	Spengeliidae	1130
KINO	Campiloderidae	1140
KINO	Cateriidae	1142
KINO	Centroderidae	1144
KINO	Condyloderidae	1146
KINO	Echinoderidae	1148
KINO	Neocentrophyidae	1150
KINO	Pycnophyidae	1152
KINO	Semnoderidae	1154
MOAP	Chaetodermatidae	0338
MOAP	Limifossoridae	0340
MOBI	Anomiidae	0348
MOBI	Aricidae	0350
MOBI	Astartidae	0352
MOBI	Cardiidae	0354
MOBI	Carditidae	0356
MOBI	Chamidae	0358
MOBI	Corbiculidae	0360
MOBI	Corbulidae	0362
MOBI	Crassatellidae	0364
MOBI	Cuspidariidae	0366
MOBI	Dimyidae	0368
MOBI	Donacidae	0370
MOBI	Galeommatidae	0372
MOBI	Gastrochaenidae	0374
MOBI	Glycymeridae	0376
MOBI	Hiatellidae	0378
MOBI	Isognomonidae	0380
MOBI	Kelliellidae	0382
MOBI	Lasaeidae	0384
MOBI	Laternulidae	0386
MOBI	Limidae	0388
MOBI	Limopsidae	0390
MOBI	Lucinidae	0392
MOBI	Lyonsiidae	0394
MOBI	Mactridae	0396
MOBI	Mallettiidae	0398
MOBI	Manzanellidae	0400
MOBI	Modiolatus	0401
MOBI	Myidae	0402
MOBI	Mytilidae	0404
MOBI	Neilonellidae	0406
MOBI	Neoleptonidae	0408
MOBI	Noetillidae	0410
MOBI	Nuculanidae	0412
MOBI	Nuculidae	0414
MOBI	Ostreidae	0416
MOBI	Pandoridae	0418
MOBI	Pectinidae	0420
MOBI	Periplomatidae	0422
MOBI	Petricolidae	0424

Major Taxonomic Groups:
Miscellaneous

Taxonomic Family Codes:

Group	Family	Family code
MOBI	Pharidae	0426
MOBI	Philobryidae	0428
MOBI	Pholadidae	0430
MOBI	Pinnidae	0432
MOBI	Poromyidae	0434
MOBI	Pristiglomidae	0436
MOBI	Propeamussiidae	0438
MOBI	Psammobiidae	0440
MOBI	Pteriidae	0442
MOBI	Saccula	0443
MOBI	Semelidae	0444
MOBI	Siliculidae	0446
MOBI	Solecurtidae	0448
MOBI	Solemyidae	0450
MOBI	Solenidae	0452
MOBI	Spheniopsidae	0454
MOBI	Tellinidae	0456
MOBI	Teredinidae	0458
MOBI	Thracidae	0460
MOBI	Thysiridae	0462
MOBI	Tindariidae	0464
MOBI	Trapezidae	0466
MOBI	Turtoniidae	0468
MOBI	Ungulinidae	0470
MOBI	Veneridae	0472
MOBI	Verticordiidae	0474
MOBI	Vesicomyiidae	0476
MOBI	Yoldiidae	0478
MOCE	Histioteuthidae	0652
MOCE	Loliginiidae	0654
MOCE	Octopodidae	0656
MOCE	Opisthoteuthidae	0658
MOCE	Sepiolidae	0660
MOGA	Acmaeidae	0480
MOGA	Acteonidae	0482
MOGA	Adeorbidae	0484
MOGA	Aeolidiidae	0486
MOGA	Aglajidae	0488
MOGA	Aplysiidae	0490
MOGA	Archidorididae	0492
MOGA	Arminidae	0494
MOGA	Barleeidae	0496
MOGA	Buccinidae	0498
MOGA	Bullidae	0500
MOGA	Bursidae	0502
MOGA	Cadlinidae	0504
MOGA	Caecidae	0506
MOGA	Calliostomatidae	0507
MOGA	Calyptraeidae	0508
MOGA	Cancellariidae	0510
MOGA	Cerithiidae	0512
MOGA	Cerithiopsidae	0514
MOGA	Colloniidae	0515
MOGA	Columbellidae	0516
MOGA	Mangeliidae	0518
MOGA	Conidae	0519
MOGA	Conualeviidae	0520
MOGA	Coralliophilidae	0522
MOGA	Corambidae	0524
MOGA	Cumanotidae	0526
MOGA	Cylichnidae	0528
MOGA	Cymatiidae	0529
MOGA	Dendrodorididae	0530
MOGA	Dendronotidae	0532
MOGA	Diaphanidae	0534
MOGA	Dironidae	0536
MOGA	Discodorididae	0538
MOGA	Dorididae	0539
MOGA	Dotoidae	0540
MOGA	Epitoniidae	0542
MOGA	Eulimidae	0544
MOGA	Facelinidae	0546
MOGA	Fasciolariidae	0548
MOGA	Fissurellidae	0550
MOGA	Flabellinidae	0552
MOGA	Gastropteridae	0554
MOGA	Goniodorididae	0556
MOGA	Haminoidae	0558
MOGA	Hermaeidae	0560
MOGA	Hipponicidae	0562
MOGA	Aplustridae	0564
MOGA	Littorinidae	0566
MOGA	Lamellariidae	0568
MOGA	Lepetidae	0570
MOGA	Litiopidae	0572
MOGA	Lottiidae	0574
MOGA	Cysticidae	0576

Major Taxonomic Groups:
Miscellaneous

Taxonomic Family Codes:

Group	Family	Family code
MOGA	Mitridae	0578
MOGA	Muricidae	0580
MOGA	Nassariidae	0582
MOGA	Naticidae	0584
MOGA	Notodorididae	0586
MOGA	Nucellidae	0587
MOGA	Oleidae	0588
MOGA	Olividae	0590
MOGA	Onchidorididae	0592
MOGA	Ovulidae	0594
MOGA	Philinidae	0596
MOGA	Platydorididae	0598
MOGA	Pleurobranchidae	0600
MOGA	Polyceratae	0602
MOGA	Potamididae	0603
MOGA	Pseudometatomidae	0604
MOGA	Pyramidellidae	0606
MOGA	Retusidae	0608
MOGA	Rissoidae	0610
MOGA	Scaphandridae	0612
MOGA	Sciddurellidae	0614
MOGA	Stiligeridae	0615
MOGA	Terebridae	0616
MOGA	Tergipedidae	0618
MOGA	Tethyidae	0620
MOGA	Trichotropididae	0621
MOGA	Tritoniidae	0622
MOGA	Triviidae	0624
MOGA	Trochidae	0626
MOGA	Truncatellidae	0628
MOGA	Turbinidae	0630
MOGA	Turbinellidae	0632
MOGA	Turridae	0634
MOGA	Turritellidae	0636
MOGA	Vanikoridae	0638
MOGA	Velutinidae	0471
MOGA	Vermetidae	0640
MOGA	Vitrinellidae	0642
MOPO	Callistoplacidae	0341
MOPO	Ischnochitonidae	0342
MOPO	Protochitonidae	0343
MOPO	Leptochitonidae	0344
MOPO	Tonicellidae	0345
MOPO	Mopaliidae	0346
MOPO	Schizoplacidae	0347
MOPO	Lepidochitonidae	0348
MOSC	Dentaliidae	0644
MOSC	Gadiliidae	0646
MOSC	Pulsellidae	0647
MOSC	Rhabdidae	0648
MOSC	Siphonodentaliidae	0650
NTEA	Amphiporidae	0140
NTEA	Carinomidae	0142
NTEA	Cephalothricidae	0144
NTEA	Emplectonematidae	0146
NTEA	Lineidae	0148
NTEA	Cratenemertidae	0149
NTEA	Ototyphlonemertidae	0150
NTEA	Prosorhochmidae	0152
NTEA	Tetrastemmatidae	0154
NTEA	Tubulanidae	0156
NTEA	Valenciidae	0158
PHOR	Phoronidae	0950
PIXX	Anarhichadidae	1190
PIXX	Ammodytidae	1195
PIXX	Cryptacanthodidae	1200
PIXX	Stichaeidae	1210
PIXX	Bathylagidae	1220
PIXX	Batrachoididae	1230
PIXX	Gobiidae	1240
PIXX	Liparidae	1250
PIXX	Agonidae	1255
PIXX	Zoarcidae	1260
PIXX	Scorpaenidae	1270
PIXX	Pholidae	1271
PLTY	Callioplanidae	0116
PLTY	Cryptocelididae	0118
PLTY	Emprostopharyngidae	0120
PLTY	Euryleptidae	0122
PLTY	Holoplanidae	0124
PLTY	Latocestidae	0126
PLTY	Leptoplanidae	0128
PLTY	Planoceridae	0130
PLTY	Pleioplanidae	0131
PLTY	Plehnidae	0132
PLTY	Promesostomidae	0133
PLTY	Prostiosomidae	0134

Major Taxonomic Groups:
Miscellaneous

Taxonomic Family Codes:

Group	Family	Family code
PLTY	Pseudocerotidae	0136
PLTY	Stylochidae	0138
POER	Aceotidae	0160
POER	Alciopidae	0162
POER	Amphinomidae	0164
POER	Aphroditidae	0166
POER	Chrysopetalidae	0168
POER	Diurodrilidae	0170
POER	Dorvilleidae	0172
POER	Eulepethidae	0174
POER	Eunicidae	0176
POER	Euphrosinidae	0178
POER	Glyceridae	0180
POER	Goniadidae	0182
POER	Hartmaniellidae	0184
POER	Hesionidae	0186
POER	Histriobdellidae	0188
POER	Ichthyotomidae	0190
POER	Iospillidae	0192
POER	Lacydoniidae	0194
POER	Lopadorhynchidae	0196
POER	Lumbrineridae	0198
POER	Nautiliellidae	0200
POER	Nephtyidae	0202
POER	Nereididae	0204
POER	Oenonidae	0206
POER	Onuphidae	0208
POER	Paralacydoniidae	0210
POER	Pholoidae	0212
POER	Phyllococidae	0214
POER	Pilargidae	0216
POER	Pisionidae	0218
POER	Polynoidae	0220
POER	Pontodoridae	0222
POER	Sigalionidae	0224
POER	Sphaerodoridae	0226
POER	Syllidae	0228
POER	Tomopteridae	0230
POER	Typhloscolecidae	0232
PORI	Amphoriscidae	0002
PORI	Aphrocallistidae	0004
PORI	Aplysillidae	0005
PORI	Axinellidae	0006
PORI	Coelosphaeridae	0007
PORI	Clathriidae	0008
PORI	Desmacellidae	0009
PORI	Clathrinidae	0010
PORI	"Clionidae"	0011
PORI	Cyamonidae	0012
PORI	Dysideidae	0013
PORI	Grantidae	0014
PORI	Halichondriidae	0015
PORI	Haliclonidae	0016
PORI	Halisarcidae	0019
PORI	Hymedesmiidae	0021
PORI	Hymeniacionidae	0017
PORI	Leucosoleniidae	0018
PORI	Microcionidae	0019
PORI	Mycalidae	0020
PORI	Myxillidae	0022
PORI	Pachastrellidae	0024
PORI	Plakinidae	0023
PORI	Polymastiidae	0025
PORI	Raspailidae	0026
PORI	Rossellidae	0028
PORI	Spirastrellidae	0030
PORI	Stellettidae	0032
PORI	Suberitidae	0034
PORI	Sycettidae	0035
PORI	Tethyidae	0036
PORI	Tedaniidae	0037
PORI	Tetillidae	0038
POSE	Aberrantidae	0234
POSE	Acrocirridae	0236
POSE	Aeolosomatidae	0238
POSE	Alvinellidae	0240
POSE	Ampharetidae	0242
POSE	Apistobranchidae	0244
POSE	Arenicolidae	0246
POSE	Capitellidae	0248
POSE	Chaetopteridae	0250
POSE	Cirratulidae	0252
POSE	Cossuridae	0254
POSE	Ctenodrilidae	0256
POSE	Fabriciidae	0257
POSE	Fauveliopsidae	0258
POSE	Flabelligeridae	0260

Major Taxonomic Groups:
Miscellaneous

Taxonomic Family Codes:

Group	Family	Family code
POSE	Longosomatidae	0262
POSE	Magelonidae	0264
POSE	Maldanidae	0266
POSE	Nerillidae	0268
POSE	Opheliidae	0270
POSE	Orbiniidae	0272
POSE	Oweniidae	0274
POSE	Paraonidae	0276
POSE	Parergodrilidae	0278
POSE	Pectinariidae	0280
POSE	Poecilochaetidae	0282
POSE	Poeobiidae	0284
POSE	Polygordiidae	0286
POSE	Potamodrilidae	0288
POSE	Protodrilidae	0290
POSE	Protodriloididae	0292
POSE	Psammodrillidae	0294
POSE	Questidae	0296
POSE	Sabellariidae	0298
POSE	Sabellidae	0300
POSE	Saccocirridae	0302
POSE	Scalibregmatidae	0304
POSE	Serpulidae	0306
POSE	Spintheridae	0308
POSE	Spionidae	0310
POSE	Spirorbidae	0311
POSE	Sternaspidae	0312
POSE	Terebellidae	0314
POSE	Trichobranchidae	0316
POSE	Trochochaetidae	0318
POSE	Uncispionidae	0320
PRIA	Maccabeidae	1156
PRIA	Priapulidae	1158
PRIA	Tubiluchidae	1160
SIPN	Aspidosiphonidae	0328
SIPN	Golfingiidae	0330
SIPN	Phascolionidae	0332
SIPN	Themistidae	0333
SIPN	Phascolosomatidae	0334
SIPN	Sipunculidae	0336
TARD	Echiniscoididae	0661
URAS	Agneziidae	1110
URAS	Cionidae	1112
URAS	Clavelinidae	1113
URAS	Corellidae	1114
URAS	Didemnidae	1115
URAS	Molgulidae	1116
URAS	Polycitoridae	1118
URAS	Polyclinidae	1120
URAS	Pyuridae	1122
URAS	Ritterellidae	1123
URAS	Styelidae	1124
URAS	Asciidae	1132

Abundance data in matrix format, including total taxa (species richness) count per sample, and total abundance per sample for Golder Baffinlands Iron Mine 2018.

Biologica Sample #			Grand Total	mb18-108-001	mb18-108-002	mb18-108-003	mb18-108-004	mb18-108-005	mb18-108-006	mb18-108-007	mb18-108-008	mb18-108-009	mb18-108-010	mb18-108-011	mb18-108-012	mb18-108-013	mb18-108-014			
Client Sample #				BE-1	BE-1	BE-1	BE-2	BE-2	BE-2	BE-3	BE-3	BE-3	BE-4	BE-4	BE-4	BE-5	BE-5			
Replicate				1	2	3	1	2	3	1	2	3	1	2	3	1	2			
Date Sampled				2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17			
taxcode	grpcode	Order	Family	TaxonName	Unique Taxa	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance			
ANNE	ANHI	Rhynchobdellida	Piscicolidae	Hirudinea indet.	1	3														
ANNE	ANOL	Enchytraeida	Enchytraeidae	Enchytraeidae indet.	1	95	8	3	1	2										
ANNE	EURA	Echiuroidea	Echiuridae	Echiurus echiurus	1	3						14		4	4					
ANNE	POER	Eunicida	Dorvilleidae	Dorvilleidae indet.		14														
ANNE	POER	Eunicida	Dorvilleidae	Parougia caeca	1	35			2	2										
ANNE	POER	Eunicida	Lumbrineridae	Lumbrineridae indet.		52						4								
ANNE	POER	Eunicida	Lumbrineridae	Lumbrineris sp.	1	14								4						
ANNE	POER	Eunicida	Lumbrineridae	Scoletoma fragilis	1	554	3	3	3	5	5	4	9	8			5			
ANNE	POER	Eunicida	Lumbrineridae	Scoletoma impatiens	1	716	8	24	3	21	26	21	28	29	18	8	40	18	34	
ANNE	POER	Eunicida	Lumbrineridae	Scoletoma sp.		68	4													
ANNE	POER	Eunicida	Onuphidae	Nothria conchylega	1	76														
ANNE	POER	Phyllodocida	Glyceridae	Glycera capitata	1	2														
ANNE	POER	Phyllodocida	Glyceridae	Glycera sp.		2														
ANNE	POER	Phyllodocida	Hesionidae	Microphthalmus sp.	1	1														
ANNE	POER	Phyllodocida	Hesionidae	Gyptis sp.	1	1														
ANNE	POER	Phyllodocida	Hesionidae	Nereimyra punctata	1	1,999	104	21	24	56	35	27	21	24	29	18	68	20	3	12
ANNE	POER	Phyllodocida	Nephtyidae	Aglaophamus sp.	1	2														
ANNE	POER	Phyllodocida	Nephtyidae	Bipalponephtys cornuta	1	1,479	8	13	14	26	22	21	10	24	14	9	4	12	45	24
ANNE	POER	Phyllodocida	Nephtyidae	Nephtys bucera	1	1														
ANNE	POER	Phyllodocida	Nephtyidae	Nephtys ciliata	1	11														
ANNE	POER	Phyllodocida	Nephtyidae	Nephtys sp.		3														
ANNE	POER	Phyllodocida	Nereididae	Nereis zonata	1	96	1	1		2	2	1	2		11		2	3		2
ANNE	POER	Phyllodocida	Nereididae	Nereididae indet.		53														
ANNE	POER	Phyllodocida	Pholoidea	Pholoe minuta	1	2,157	26	107	83	24	26	18	48	9	72	18	100	72	6	8
ANNE	POER	Phyllodocida	Pholoidea	Pholoe sp.		1,133	4		29	18	31	12	60	8	5		96	24		
ANNE	POER	Phyllodocida	Pholoidea	Pholoe tecta	1	8,708	104	238	281	76	91	93	154	164	317	130	316	404	117	130
ANNE	POER	Phyllodocida	Phyllodocidae	Eteone barbata	1	6			2											
ANNE	POER	Phyllodocida	Phyllodocidae	Eteone longa complex	1	73					2				3					
ANNE	POER	Phyllodocida	Phyllodocidae	Eteone sp.		115	2			2		3					8	3		2
ANNE	POER	Phyllodocida	Phyllodocidae	Eulalia sp.	1	1														
ANNE	POER	Phyllodocida	Phyllodocidae	Phyllodoce groenlandica	1	8														
ANNE	POER	Phyllodocida	Phyllodocidae	Phyllodoce sp.		4														
ANNE	POER	Phyllodocida	Phyllodocidae	Eteone flava	1	1											1			
ANNE	POER	Phyllodocida	Phyllodocidae	Hypereteone sp.	1	2														2
ANNE	POER	Phyllodocida	Polynoidae	Gattyana cirrhosa	1	77	4	1		2	2	5	1	1	2		10			5
ANNE	POER	Phyllodocida	Polynoidae	Harmothoe extenuata	1	28			2				3	6		1				
ANNE	POER	Phyllodocida	Polynoidae	Harmothoe imbricata	1	78							2				4		5	2
ANNE	POER	Phyllodocida	Polynoidae	Harmothoe sp.		200	2	8	3	4			12		3	24	12	3		
ANNE	POER	Phyllodocida	Polynoidae	Melaenis loveni	1	1														
ANNE	POER	Phyllodocida	Polynoidae	Bylgides sarsi	1	2														
ANNE	POER	Phyllodocida	Polynoidae	Bylgides sp.		3														
ANNE	POER	Phyllodocida	Polynoidae	Hartmania moorei	1	5														
ANNE	POER	Phyllodocida	Polynoidae	Polynoidae indet.		26														
ANNE	POER	Phyllodocida	Sphaerodoridae	Sphaerodoropsis minuta	1	27														2
ANNE	POER	Phyllodocida	Sphaerodoridae	Sphaerodoropsis sp.		1														
ANNE	POER	Phyllodocida	Syllidae	Syllides longicirratu	1	34				4										
ANNE	POER	Phyllodocida	Syllidae	Syllides sp.		2					2									
ANNE	POER	Phyllodocida	Syllidae	Eusyllinae indet.		16														
ANNE	POER	Phyllodocida	Syllidae	Eusyllis sp.	1	4														
ANNE	POER	Phyllodocida	Syllidae	Pionosyllis sp.	1	1														
ANNE	POER	Phyllodocida	Syllidae	Exogone verugera	1	2														
ANNE	POER	Phyllodocida	Syllidae	Parexogone hebes	1	386	8	13		16	24	21	14	40	77	66	32	20	15	14
ANNE	POSE	Sabellida	Fabriciidae	Pseudofabricia sp. nr. aberrans	1	40														
ANNE	POSE	Sabellida	Oweniidae	Galathowenia oculata	1	289	2					6				4				
ANNE	POSE	Sabellida	Oweniidae	Myriochele heeri	1	54														
ANNE	POSE	Sabellida	Oweniidae	Owenia fusiformis	1	336		3				3						15		
ANNE	POSE	Sabellida	Oweniidae	Oweniidae indet.		8														
ANNE	POSE	Sabellida	Sabellidae	Euchone incolor	1	1,882	24	14	3	28	48	36	5	72	53	30	36	49		31
ANNE	POSE	Sabellida	Sabellidae	Euchone sp.		9												1		
ANNE	POSE	Sabellida	Sabellidae	Bispira sp.	1	1											1			
ANNE	POSE	Sabellida	Sabellidae	Chone duneri	1	3														
ANNE	POSE	Sabellida	Sabellidae	Dialychone sp.		37												4		
ANNE	POSE	Sabellida	Sabellidae	Dialychone sp. 1	1	313	9	8		8	10	15	2	20	5	3	8		3	2
ANNE	POSE	Sabellida	Sabellidae	Euchone rubrocincta	1	10		3												
ANNE	POSE	Sabellida	Sabellidae	Sabellidae indet.		129				4	5	3	2	16	5	3	4	4		
ANNE	POSE	Sabellida	Sabellidae	Sabellidae sp. 2	1	3	2							1						
ANNE	POSE	Sabellida	Sabellidae	Sabellidae sp. 3	1	59						6			10					
ANNE	POSE	Sabellida	Sabellidae	Sabellidae sp. 4	1	2							2							
ANNE	POSE	Sabellida	Serpulidae	Pileolaria sp.	1	1														

Abundance data in matrix format, including total taxa (species richness) count per sample, and total abundance per sample for Golder Baffinlands Iron Mine 2018.

Biologica Sample #			Grand Total	mb18-108-001	mb18-108-002	mb18-108-003	mb18-108-004	mb18-108-005	mb18-108-006	mb18-108-007	mb18-108-008	mb18-108-009	mb18-108-010	mb18-108-011	mb18-108-012	mb18-108-013	mb18-108-014
Client Sample #				BE-1	BE-1	BE-1	BE-2	BE-2	BE-2	BE-3	BE-3	BE-3	BE-4	BE-4	BE-4	BE-5	BE-5
Replicate				1	2	3	1	2	3	1	2	3	1	2	3	1	2
Date Sampled			2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17
taxcode	grpcode	Order	Family	TaxonName	Unique Taxa	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance
ANNE	POSE	Sabellida	Serpulidae	Spirorbinae indet.		40											
ANNE	POSE	Spionida	Apistobranchidae	Apistobranchus sp.	1	59		2		3		4		3			
ANNE	POSE	Spionida	Spionidae	Dipolydora caulleryi	1	2	1										
ANNE	POSE	Spionida	Spionidae	Dipolydora concharum	1	1							1				
ANNE	POSE	Spionida	Spionidae	Dipolydora quadrilobata	1	79	14				2			20			5
ANNE	POSE	Spionida	Spionidae	Dipolydora socialis	1	7											
ANNE	POSE	Spionida	Spionidae	Dipolydora sp.		13			6	2						3	
ANNE	POSE	Spionida	Spionidae	Laonice cirrata	1	6											
ANNE	POSE	Spionida	Spionidae	Marenzelleria sp.	1	301											
ANNE	POSE	Spionida	Spionidae	Polydora sp. complex		8											
ANNE	POSE	Spionida	Spionidae	Prionospio (Prionospio) sp.		61		1				4					
ANNE	POSE	Spionida	Spionidae	Prionospio (Prionospio) steenstrupi	1	1,650	12	5	4	22	39		10	6	36		129
ANNE	POSE	Spionida	Spionidae	Prionospio cirrifer	1	1											
ANNE	POSE	Spionida	Spionidae	Prionospio sp.		47											
ANNE	POSE	Spionida	Spionidae	Pygospio sp.	1	361	10			6		4	14	12	8		
ANNE	POSE	Spionida	Spionidae	Scolecopsis sp.	1	30											
ANNE	POSE	Spionida	Spionidae	Spio filicornis	1	41			2			5	3				
ANNE	POSE	Spionida	Spionidae	Spio sp.		10											
ANNE	POSE	Spionida	Spionidae	Spionidae indet.		1											
ANNE	POSE	Terebellida	Ampharetidae	Ampharete sp.	1	253		11	5	2	2	3	3		34	7	4
ANNE	POSE	Terebellida	Ampharetidae	Lysippe labiata	1	18				2							3
ANNE	POSE	Terebellida	Ampharetidae	Melinna elisabethae	1	55											4
ANNE	POSE	Terebellida	Ampharetidae	Melinna sp.		1											
ANNE	POSE	Terebellida	Ampharetidae	Ampharete vega	1	8											
ANNE	POSE	Terebellida	Ampharetidae	Ampharetidae indet.		69			4		3		8	5			
ANNE	POSE	Terebellida	Ampharetidae	Amphicteis sundevalli	1	4											
ANNE	POSE	Terebellida	Cirratulidae	Aphelocheata sp.	1	322	2	5	14	10	9	12	12	29	21	28	32
ANNE	POSE	Terebellida	Cirratulidae	Chaetozone bathyala	1	2,653	37	91	5	65	67	114	15	64	19	34	28
ANNE	POSE	Terebellida	Cirratulidae	Chaetozone careyi	1	64											8
ANNE	POSE	Terebellida	Cirratulidae	Chaetozone pigmentata	1	197	2		10		23	6		12			6
ANNE	POSE	Terebellida	Cirratulidae	Chaetozone setosa complex	1	397	2	11		2	9	3		19			18
ANNE	POSE	Terebellida	Cirratulidae	Chaetozone sp.		1,119	22	16	14	35	45	2	28	19	3	4	21
ANNE	POSE	Terebellida	Cirratulidae	Cirratulidae indet.		588		19	31	2	19	3	23	8	14	8	8
ANNE	POSE	Terebellida	Cirratulidae	Kirkegaardia sp.	1	2											3
ANNE	POSE	Terebellida	Cirratulidae	Tharyx sp.	1	187						2					
ANNE	POSE	Terebellida	Flabelligeridae	Diplocirrus hirsutus	1	11											4
ANNE	POSE	Terebellida	Pectinariidae	Cistenides granulata	1	677	7	16	19		13	10	3	23	2	17	11
ANNE	POSE	Terebellida	Terebellidae	Polycirrus sp. complex	1	64	2		2			2	4		4	4	5
ANNE	POSE	Terebellida	Terebellidae	Lanassa venusta venusta	1	10							1	3			3
ANNE	POSE	Terebellida	Terebellidae	Laphania boeckii	1	58		5	3			7	4		8	5	
ANNE	POSE	Terebellida	Terebellidae	Leaena abranchiata	1	4				2							
ANNE	POSE	Terebellida	Terebellidae	Pista maculata	1	97	4		3	1	1	1	10	3	2	3	
ANNE	POSE	Terebellida	Terebellidae	Proclea graffi	1	5							4				
ANNE	POSE	Terebellida	Terebellidae	Proclea sp.		2											
ANNE	POSE	Terebellida	Terebellidae	Amaeana sp.	1	1											
ANNE	POSE	Terebellida	Terebellidae	Neoamphitrite affinis	1	7											2
ANNE	POSE	Terebellida	Terebellidae	Terebellidae indet.		52					3		4	5	6		4
ANNE	POSE	Terebellida	Trichobranchidae	Terebellides sp.	1	449	9	8	3	2	7	3	16	49	17	27	14
ANNE	POSE	Terebellida	Trichobranchidae	Trichobranchus glacialis	1	2											13
ANNE	POSE		Capitellidae	Capitella capitata complex	1	53					6	2		5	8	4	
ANNE	POSE		Capitellidae	Mediomastus sp.		1,387	4	80	99	14	17	12	74	4	62	15	64
ANNE	POSE		Capitellidae	Notomastus latericeus	1	8											9
ANNE	POSE		Cossuridae	Cossura sp.	1	1,199	12	3		14	38	6	14	40	19	18	32
ANNE	POSE		Maldanidae	Clymenura sp.	1	18											20
ANNE	POSE		Maldanidae	Euclymene sp.	1	14											
ANNE	POSE		Maldanidae	Euclymeninae indet.		78			2					3	4		
ANNE	POSE		Maldanidae	Microclymene sp.	1	61					3			6			
ANNE	POSE		Maldanidae	Praxillella gracilis	1	4											2
ANNE	POSE		Maldanidae	Praxillella praetermissa	1	50								3	12		
ANNE	POSE		Maldanidae	Maldane sarsi	1	476	2	11	2	4	14	9	3	20	27	36	26
ANNE	POSE		Maldanidae	Nicomache sp.	1	1											
ANNE	POSE		Maldanidae	Rhodine loveni	1	3											3
ANNE	POSE		Maldanidae	Maldanidae indet.		34		3				6					
ANNE	POSE		Opheliidae	Ophelina acuminata	1	19								1			3
ANNE	POSE		Opheliidae	Ophelina cylindricaudata	1	18			8								
ANNE	POSE		Opheliidae	Ophelina sp.		9											
ANNE	POSE		Orbiniidae	Leitoscoloplos sp.	1	2	2										
ANNE	POSE		Orbiniidae	Orbiniidae indet.		36							5	9			
ANNE	POSE		Orbiniidae	Scoloplos acutus	1	258		5	6	5	9		16	12		12	7

Abundance data in matrix format, including total taxa (species richness) count per sample, and total abundance per sample for Golder Baffinlands Iron Mine 2018.

Biologica Sample #			Grand Total	mb18-108-001	mb18-108-002	mb18-108-003	mb18-108-004	mb18-108-005	mb18-108-006	mb18-108-007	mb18-108-008	mb18-108-009	mb18-108-010	mb18-108-011	mb18-108-012	mb18-108-013	mb18-108-014			
Client Sample #				BE-1	BE-1	BE-1	BE-2	BE-2	BE-2	BE-3	BE-3	BE-3	BE-4	BE-4	BE-4	BE-5	BE-5			
Replicate				1	2	3	1	2	3	1	2	3	1	2	3	1	2			
Date Sampled				2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17			
taxcode	grpcode	Order	Family	TaxonName	Unique Taxa	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance			
ANNE	POSE		Orbiniidae	Scoloplos armiger	1	29			2	1										
ANNE	POSE		Orbiniidae	Scoloplos sp.		74			2											
ANNE	POSE		Paraonidae	Aricidea catherinae	1	11				5				4						
ANNE	POSE		Paraonidae	Aricidea hartmanae	1	127	6			2	5	6								
ANNE	POSE		Paraonidae	Aricidea minuta	1	304	2	5		12	14	18	2	8	10	1	8	8	2	
ANNE	POSE		Paraonidae	Aricidea nolani	1	224	10	3	9				9	4			4	4	3	5
ANNE	POSE		Paraonidae	Aricidea sp.		16														
ANNE	POSE		Paraonidae	Paraonidae indet.		26			3											
ANNE	POSE		Sabellidae	Branchiomma sp.	1	1														
ANNE	POSE		Scalibregmatidae	Polyphysia crassa	1	3														
ANNE	POSE		Scalibregmatidae	Scalibregma inflatum	1	773	2	22	10	26	19	18	5	24	38	12	4	8	18	12
ANNE	POXX		Protodrilidae	Protodrilus sp.	1	25														
ARTH	CHAR	Acarina	Halacaridae	Halacaridae indet.	1	12									5			4		
ARTH	CHPY	Pantopoda	Nymphonidae	Nymphon sp.	1	5														
ARTH	CRAM	Amphipoda	Phoxocephalidae	Harpinia serrata	1	22														
ARTH	CRAM	Amphipoda	Phoxocephalidae	Harpinia sp.		3														
ARTH	CRAM	Amphipoda	Ampeliscidae	Ampeliscidae indet.		26														
ARTH	CRAM	Amphipoda	Ampeliscidae	Byblis sp.	1	22														
ARTH	CRAM	Amphipoda	Amphilochoidea	Amphilochochus sp.	1	5					3									
ARTH	CRAM	Amphipoda	Calliopidae	Calliopidae indet.	1	7						2								
ARTH	CRAM	Amphipoda	Podoceridae	Dyopodos sp.	1	2														
ARTH	CRAM	Amphipoda	Corophiidae	Corophiidae indet.		12														
ARTH	CRAM	Amphipoda	Corophiidae	Monocorophium sp.	1	11	2												3	
ARTH	CRAM	Amphipoda	Dexaminidae	Dexaminidae indet.	1	2														
ARTH	CRAM	Amphipoda	Gammaridae	Gammarus sp.	1	20														
ARTH	CRAM	Amphipoda	Opisidae	Opisa sp.	1	4														
ARTH	CRAM	Amphipoda	Tryphosidae	Gronella groenlandica	1	4														
ARTH	CRAM	Amphipoda	Tryphosidae	Hippomedon sp.	1	3														
ARTH	CRAM	Amphipoda	Tryphosidae	Orchomena sp.	1	48								36						
ARTH	CRAM	Amphipoda	Tryphosidae	Orchomenella minuta	1	2														
ARTH	CRAM	Amphipoda	Tryphosidae	Orchomenella pinguis	1	14														
ARTH	CRAM	Amphipoda	Tryphosidae	Tryphosidae indet.		58			3			3	10		10			8		
ARTH	CRAM	Amphipoda	Uristidae	Anonyx sarsi	1	27					1					3			18	
ARTH	CRAM	Amphipoda	Uristidae	Anonyx sp.		59			2			3	2	8				4	3	
ARTH	CRAM	Amphipoda	Uristidae	Onisimus barentsi group	1	17														2
ARTH	CRAM	Amphipoda	Uristidae	Onisimus brevicaudatus	1	1														
ARTH	CRAM	Amphipoda	Uristidae	Onisimus sp.		45												4	4	
ARTH	CRAM	Amphipoda		Lysianassoidea indet.		37	4	5	3											
ARTH	CRAM	Amphipoda	Oedicerotidae	Arrhis sp.	1	1														
ARTH	CRAM	Amphipoda	Oedicerotidae	Monoculopsis sp.	1	82														
ARTH	CRAM	Amphipoda	Pontoporeiidae	Pontoporeia femorata	1	338	44	3		5		14	32	16	9	8	61			
ARTH	CRAM	Amphipoda	Ampeliscidae	Ampelisca eschrichtii	1	3														
ARTH	CRAM	Amphipoda	Ampeliscidae	Haploops tubicola	1	19		1					2		3					
ARTH	CRAM	Amphipoda	Atylidae	Atylus carinatus	1	9	2											2		
ARTH	CRAM	Amphipoda	Corophiidae	Crassikorophium bonellii	1	15														
ARTH	CRAM	Amphipoda	Dexaminidae	Guernea nordenskioldi	1	1,530	12	45	24	28	41	72	26	64	58	31	52	92		70
ARTH	CRAM	Amphipoda	Eusiridae	Rhachotropis helleri	1	2				2										
ARTH	CRAM	Amphipoda	Oedicerotidae	Aceroides sp.	1	12														
ARTH	CRAM	Amphipoda	Oedicerotidae	Monoculodes sp.	1	90			3	4		3	2							
ARTH	CRAM	Amphipoda	Oedicerotidae	Oedicerotidae indet.		76			2						6	16				
ARTH	CRAM	Amphipoda	Oedicerotidae	Paroediceros lynceus	1	188	8	10	10	4	10	3	9	8	5		13			10
ARTH	CRAM	Amphipoda	Oedicerotidae	Rostroculodes sp.	1	87			3										12	
ARTH	CRAM	Amphipoda	Oedicerotidae	Westwoodilla sp.	1	100		3						10	6	24				7
ARTH	CRAM	Amphipoda	Pontoporeiidae	Monoporeia affinis	1	427	6													
ARTH	CRAM	Amphipoda	Stenothoidae	Stenothoidae indet.	1	1														
ARTH	CRAM	Amphipoda		Amphipoda indet.		39	8				3			4						
ARTH	CRCI	Sessilia		Balanomorpha indet.	1	441	222			2				1						
ARTH	CRCO	Cyclopoida		Cyclopoida indet.	1	1,676	8													
ARTH	CRCO	Harpacticoida		Harpacticoida indet.	1	304	6		7	2	2	9	10		10	3		16	24	19
ARTH	CRCU	Cumacea	Diastylidae	Brachydiastylis resima	1	2,058		3					26	76	403	275	20	280	351	259
ARTH	CRCU	Cumacea	Diastylidae	Diastylidae indet.		125								40			8			
ARTH	CRCU	Cumacea	Diastylidae	Diastylis bradyi	1	9													9	
ARTH	CRCU	Cumacea	Diastylidae	Diastylis goodsiri	1	5														
ARTH	CRCU	Cumacea	Diastylidae	Diastylis lucifera	1	70							28							
ARTH	CRCU	Cumacea	Diastylidae	Diastylis rathkei	1	163														
ARTH	CRCU	Cumacea	Diastylidae	Diastylis scorpioides	1	268		11	6	19	6	14	1		2	9	108	4		1
ARTH	CRCU	Cumacea	Diastylidae	Diastylis sp.		153	3		2											23
ARTH	CRCU	Cumacea	Diastylidae	Diastylis spinulosa	1	3									112					
ARTH	CRCU	Cumacea	Diastylidae	Diastylis bispinulosa	1	186		11		7	42	21			9					

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Client Sample #				BE-1	BE-1	BE-1	BE-2	BE-2	BE-2	BE-3	BE-3	BE-3	BE-4	BE-4	BE-4	BE-5	BE-5			
Replicate				1	2	3	1	2	3	1	2	3	1	2	3	1	2			
Date Sampled				2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17			
taxcode	grpcode	Order	Family	TaxonName	Unique Taxa	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance			
ARTH	CRCU	Cumacea	Lampropiidae	Lampropiidae indet.		8											8			
ARTH	CRCU	Cumacea	Lampropiidae	Lampropiidae fuscatus	1	723											7			
ARTH	CRCU	Cumacea	Leuconidae	Eudorella truncatula	1	172	2	8	10	32	12	24	8	34		15	2			
ARTH	CRCU	Cumacea	Leuconidae	Leucon sp.	1	399		5	2	4			4	10	6		10			
ARTH	CRCU	Cumacea	Leuconidae	Leuconidae indet.		3					3									
ARTH	CRCU	Cumacea	Nannastacidae	Campylaspis rubicunda	1	3														
ARTH	CRCU	Cumacea	Cumacea	Cumacea indet.		24								8						
ARTH	CRDE	Decapoda	Thoridae	Lebbeus polaris	1	1					1									
ARTH	CRDE	Decapoda	Crangonidae	Sabinea septemcarinata	1	1														
ARTH	CRDE	Decapoda	Crangonidae	Sabinea sp.		1														
ARTH	CRDE	Decapoda	Crangonidae	Sclerocrangon boreas	1	1					1									
ARTH	CRDE	Decapoda	Crangonidae	Caridea indet.		2														
ARTH	CRIS	Isopoda	Gnathiidae	Gnathiidae indet.	1	42	2	5		2		8		6						
ARTH	CRIS	Isopoda	Munnopsidae	Eurycope sp.	1	4						4								
ARTH	CRIS	Isopoda	Paramunnidae	Pleurogonium spinosissimum	1	1														
ARTH	CRMY	Mysida	Mysida	Mysida indet.		33														
ARTH	CRMY	Mysida	Mysidae	Mysis sp.	1	89		5	5	4			5				2			
ARTH	CROS	Myodocopida	Philomedidae	Philomedes sp.	1	5,460	20	53	19	49	38	147	24	216	67	72	212	144	150	94
ARTH	CRTA	Tanaidacea	Sphyrapodidae	Pseudosphyrapus anomalus	1	373					2	9					8			12
ARTH	CRTA	Tanaidacea	Akanthophoreidae	Akanthophoreus sp.	1	355			2			6					4	4		2
ARTH	CRTA	Tanaidacea	Pseudotanaididae	Pseudotanaid sp.	1	179		3		4		3	8	10	15	52	12	3		2
ARTH	CRTA	Tanaidacea	Typhlotanaididae	Typhlotanaid sp.	1	110					5		3	16	5	8				10
ARTH	CRTA	Tanaidacea	Tanaidacea	Tanaidacea indet.		161	2			4	2			45	24		3			
ARTH	INCO	Coleoptera	Curculionidae	Curculionidae indet.	1	2														
ARTH	INDI	Diptera	Chironomidae	Orthocladiinae indet.	1	10			2											
ARTH	INDI	Diptera	Chironomidae	Chironomidae indet.	1	4														
ECHI	ECEC	Camarodonta	Strongylocentrotidae	Strongylocentrotus droebachiensis	1	22		3			2		2							
ECHI	ECEC	Camarodonta	Strongylocentrotidae	Strongylocentrotus sp.		10							1							
ECHI	ECHO	Apodida	Myriotrochidae	Myriotrochus rinkii	1	29														
ECHI	ECHO	Dendrochirotrida	Psolidae	Psolus phantapus	1	2														
ECHI	ECHO	Molpadida	Molpadida	Molpadida indet.	1	4														
ECHI	ECOP	Ophiurida	Ophiuridae	Ophiocten affinis	1	44														
ECHI	ECOP	Ophiurida	Ophiuridae	Ophiura sarsii	1	39		3				1		1			2			
ECHI	ECOP	Ophiurida	Ophiuridae	Ophiura robusta	1	10														
ECHI	ECOP	Ophiurida	Ophiuridae	Ophiuridae indet.		38								3		4				
MISC	BRYO	Cheilostomatida	Candidae	Scrupocellaria sp.	1	1														
MISC	BRYO	Cheilostomatida	Calloporidae	Calloporidae indet.	1	2														
MISC	BRYO	Cheilostomatida	Myriaporidae	Leieschara sp.	1	1														
MISC	BRYO	Ctenostomatida	Alcyoniidae	Alcyonium sp.	1	9														
MISC	BRYO	Ctenostomatida	Triticellidae	Triticella sp.	1	6	4													
MISC	BRYO	Ctenostomatida	Ctenostomata	Ctenostomata indet.		3														
MISC	BRYO	Cyclostomatida	Crisiidae	Crisia sp.	1	1														
MISC	BRYO	Cyclostomatida	Cyclostomatida	Cyclostomatida indet.		6							4							
MISC	BRYO	Bryozoa	Bryozoa	Bryozoa indet.		11														
MISC	CNHY	Anthoathecata	Bougainvilliidae	Bougainvilliidae indet.	1	15		1												
MISC	CNHY	Anthoathecata	Anthoathecata	Anthoathecata indet.		2														
MISC	CNHY	Limnomedusae	Olindiidae	Monobrachium parasitum	1	169	2				3	2		1	1					
MISC	CNHY	Hydrozoa	Hydrozoa	Hydrozoa indet.		16														
MISC	HEMI	Hemichordata	Hemichordata	Hemichordata indet.	1	2														
MISC	NTEA	Archinemertea	Cephalothricidae	Cephalothrix sp.	1	97		3			2									2
MISC	NTEA	Heteronemertea	Lineidae	Cerebratulus sp.	1	145			3											2
MISC	NTEA	Heteronemertea	Lineidae	Lineidae indet.		12	2				7		6		4	5		9		
MISC	NTEA	Palaeonemertea	Carinomidae	Carinoma sp.	1	2														
MISC	NTEA			Anopla indet.		11														
MISC	NTEA			Enopla indet.	1	248	6	5	7	2	2									
MISC	NTEA		Tubulanidae	Tubulanus sp.	1	1		1					3		5	5	21	4	3	7
MISC	NTEA			Nemertea indet.		7					7									
MISC	PIXX	Scorpaeniformes	Cottidae	Cottidae indet.	1	1														
MISC	PIXX			Pisces indet.		4					1									
MISC	PLTY			Platyhelminthes indet.	1	1														
MISC	PORI			Calcarea indet.	1	2														
MISC	PRIA		Priapulidae	Priapulus caudatus	1	16					5								3	
MISC	PRIA		Priapulidae	Priapulus sp.		22														
MISC	SIPN	Golfingiida	Golfingiidae	Golfingia sp.	1	11														
MISC	URAS	Aplousobranchia	Aplousobranchia	Aplousobranchia indet.	1	2														
MISC	URAS	Phlebobranchia	Asciidiidae	Ascidia sp.	1	4						2								
MISC	URAS	Stolidobranchia	Molgulidae	Molgula sp.	1	2														
MISC	URAS	Stolidobranchia	Pyuridae	Boltenia echinata	1	2					1									
MISC	URAS	Stolidobranchia	Styelidae	Polycarpa fibrosa	1	1														

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Biologica Sample #				Grand Total	mb18-108-001	mb18-108-002	mb18-108-003	mb18-108-004	mb18-108-005	mb18-108-006	mb18-108-007	mb18-108-008	mb18-108-009	mb18-108-010	mb18-108-011	mb18-108-012	mb18-108-013	mb18-108-014		
Client Sample #					BE-1	BE-1	BE-1	BE-2	BE-2	BE-2	BE-3	BE-3	BE-3	BE-4	BE-4	BE-4	BE-5	BE-5		
Replicate					1	2	3	1	2	3	1	2	3	1	2	3	1	2		
Date Sampled					2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17		
taxcode	grpcode	Order	Family	TaxonName	Unique Taxa	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance		
MISC	URAS	Stolidobranchia	Styelidae	Styelidae indet.		4													2	
MOLL	MOAP	Chaetodermatida	Chaetodermatidae	Chaetoderma sp.	1	33				3										
MOLL	MOAP			Aplacophora indet.		9														
MOLL	MOBI	Adapedonta	Hiatellidae	Hiatella arctica	1	417	1	10	23	8	4	2	7	3	9	6	36	21	6	2
MOLL	MOBI	Anomalodesmata	Cuspidariidae	Cuspidaria sp.	1	5														
MOLL	MOBI	Anomalodesmata	Lyonsiidae	Lyonsia arenosa	1	12														
MOLL	MOBI	Anomalodesmata	Thraciidae	Thracia myopsis	1	5				3										
MOLL	MOBI	Anomalodesmata	Thraciidae	Thracia sp.		7														
MOLL	MOBI	Arcida	Arcidae	Bathycarac glacialis	1	8														
MOLL	MOBI	Carditoida	Astartidae	Astarte borealis	1	609	2	11	11	6	5	4	9	24	4	12	7	19	8	12
MOLL	MOBI	Carditoida	Astartidae	Astarte montagui	1	1,117	7	27	28	5	13	7	13	11	18	2	20	15		5
MOLL	MOBI	Carditoida	Astartidae	Astarte sp.		507	2	24	21	8		12	2	8	10	6	16	12	3	5
MOLL	MOBI	Lucinida	Thyasiridae	Axinopsida sp.	1	111														
MOLL	MOBI	Lucinida	Thyasiridae	Thyasira sp.	1	372		3	3	14	7	9	7	4	5		8		3	
MOLL	MOBI	Lucinida	Thyasiridae	Thyasiridae indet.		424				14	10	3	2	4				15		2
MOLL	MOBI	Myida	Myidae	Mya sp.		92	2		5		5			10						
MOLL	MOBI	Myida	Myidae	Mya truncata	1	183	1	6	5	1	3		3	1	5	1	8	7		2
MOLL	MOBI	Mytilida	Mytilidae	Dacrydium vitreum	1	3														
MOLL	MOBI	Mytilida	Mytilidae	Crenella faba	1	27							2			4				
MOLL	MOBI	Mytiloida	Mytilidae	Musculus discors	1	83	2	1	4				7			5				
MOLL	MOBI	Mytiloida	Mytilidae	Mytilidae indet.		11							5							
MOLL	MOBI	Nuculanida	Nuculanidae	Nuculana minuta	1	296		4	5			1	7	19	7	4	8	7		3
MOLL	MOBI	Nuculanida	Nuculanidae	Nuculana pernula	1	33						1						2		1
MOLL	MOBI	Nuculanida	Nuculanidae	Nuculana sp.		147		5		2	7			5	3		9			
MOLL	MOBI	Nuculanida		Nuculanoidea indet.		60		5			5	3								
MOLL	MOBI	Nuculanoida	Yoldiidae	Portlandia intermedia	1	1														
MOLL	MOBI	Nuculanoida	Yoldiidae	Yoldiella frigida	1	5														
MOLL	MOBI	Nuculanoida	Yoldiidae	Yoldiella lenticula	1	1														
MOLL	MOBI	Nuculanoida	Yoldiidae	Yoldiidae indet.		110			3		5	3								
MOLL	MOBI	Nuculida	Nuculidae	Ennucula tenuis	1	681	2		8	5	14		8		3	4		32		5
MOLL	MOBI	Pectinida	Pectinidae	Chlamys islandica	1	2														
MOLL	MOBI	Pectinida	Propeamussiidae	Similipecten greenlandicus	1	87					4							1		1
MOLL	MOBI	Pectinoida	Pectinidae	Pectinidae indet.	1	2														
MOLL	MOBI	Pectinoida	Propeamussiidae	Propeamussiidae indet.		17														
MOLL	MOBI	Veneroida	Cardiidae	Ciliatocardium ciliatum	1	50		1			2	1	4	1				4		
MOLL	MOBI	Veneroida	Cardiidae	Serripes groenlandicus	1	135			3				2	2	5					
MOLL	MOBI	Veneroida	Tellinidae	Macoma balthica	1	28	2													
MOLL	MOBI	Veneroida	Tellinidae	Macoma calcarea	1	267	4	2			6	1	3		3	1		4		7
MOLL	MOBI	Veneroida	Tellinidae	Macoma moesta	1	56					1	1	8	1	1					
MOLL	MOBI	Veneroida	Tellinidae	Macoma sp.		664	2	3	2		12	3	28		3	8		15		12
MOLL	MOBI		Periplomatidae	Periploma aleuticum	1	13														
MOLL	MOBI			Bivalvia indet.		311	80	5	10				8	5	9	12	4			5
MOLL	MOGA	Cephalaspidea	Cylichnidae	Cylichna alba	1	7														
MOLL	MOGA	Cephalaspidea	Cylichnidae	Cylichna sp.		14					2									
MOLL	MOGA	Cephalaspidea	Cylichnidae	Cylichnidae indet.		14														
MOLL	MOGA	Cephalaspidea	Cylichnidae	Cylichnoides occultus	1	7														
MOLL	MOGA	Cephalaspidea		Cephalaspidea indet.		250		27	3				5	5	24	20	3		2	
MOLL	MOGA	Littorinimorpha	Capulidae	Ariadnaria borealis	1	22							2							1
MOLL	MOGA	Littorinimorpha	Naticidae	Cryptonatica affinis	1	10														
MOLL	MOGA	Littorinimorpha	Naticidae	Euspira pallida	1	27			2	2					4					
MOLL	MOGA	Littorinimorpha	Naticidae	Naticidae indet.		5														
MOLL	MOGA	Littorinimorpha	Rissoidae	Boreocingula castanea	1	32														
MOLL	MOGA	Littorinimorpha	Velutinidae	Velutinidae indet.	1	2							2							
MOLL	MOGA	Littorinimorpha	Rissoidae	Rissoidae indet.	1	83		3				3								
MOLL	MOGA	Neogastropoda	Buccinidae	Buccinidae indet.		5														
MOLL	MOGA	Neogastropoda	Buccinidae	Buccinum hydrophanum	1	1														
MOLL	MOGA	Neogastropoda	Buccinidae	Colus sp.	1	1														
MOLL	MOGA	Neogastropoda	Columbellidae	Columbellidae indet.	1	2							2							
MOLL	MOGA	Neogastropoda	Cancellariidae	Admete viridula	1	2														
MOLL	MOGA	Neogastropoda	Mangeliidae	Mangeliidae indet.		7														
MOLL	MOGA	Neogastropoda	Mangeliidae	Oenopota sp.	1	3														
MOLL	MOGA	Trochida	Colloniidae	Moelleria costulata	1	1														
MOLL	MOGA	Trochida	Margaritidae	Margarites groenlandicus	1	2														
MOLL	MOGA	Trochida	Margaritidae	Margarites helacinus	1	33			2											
MOLL	MOGA	Trochida	Margaritidae	Margarites olivaceus	1	1														
MOLL	MOGA	Trochida	Margaritidae	Margarites sp.		11									4					
MOLL	MOGA		Buccinidae	Volutopsis norwegicus	1	1														
MOLL	MOGA		Lepetidae	Lepeta caeca	1	46													1	
MOLL	MOGA		Lottiidae	Lottiidae indet.	1	5		2												

Abundance data in matrix format, including total taxa (species richness) count per sample, and total abundance per sample for Golder Baffinlands Iron Mine 2018.

Biologica Sample #			Grand Total	mb18-108-001	mb18-108-002	mb18-108-003	mb18-108-004	mb18-108-005	mb18-108-006	mb18-108-007	mb18-108-008	mb18-108-009	mb18-108-010	mb18-108-011	mb18-108-012	mb18-108-013	mb18-108-014				
Client Sample #				BE-1	BE-1	BE-1	BE-2	BE-2	BE-2	BE-3	BE-3	BE-3	BE-4	BE-4	BE-4	BE-5	BE-5				
Replicate				1	2	3	1	2	3	1	2	3	1	2	3	1	2				
Date Sampled				2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17				
taxcode	grprcode	Order	Family	TaxonName	Unique Taxa	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance				
MOLL	MOGA		Lottiidae	Testudinalia testudinalis	1	3															
MOLL	MOGA		Trochidae	Trochidae indet.	1	12															
MOLL	MOGA			Gastropoda indet.		45		3		2			3		16						
MOLL	MOPO	Chitonida	Tonicellidae	Tonicella marmorea	1	3															
MOLL	MOSC	Gadilida	Gadilidae	Gadilidae indet.	1	1											1				
				Total Abundance		62,803	962	1,111	890	742	902	1,113	830	1,448	1,768	1,287	1,982	1,677	1,324	1,143	
				Total Unique Taxa (Species Richness)	259		65	63	46	59	63	76	70	67	55	63	65	51	54	71	
				No. composite grabs		227	3	3	3	3	3	4	3	3	3	4	4	3	3	3	
				Total Density (Organisms/m²)		843,267	14252	16454	13185	10993	13369	12367	12298	21452	26199	19067	22022	18633	19615	16936	
Incidental Organisms:																					
MEMO	MEMO			Calanoida indet. (planktonic)		21							16		3						
MEMO	MEMO			Chatognatha indet. (planktonic)		2															
MEMO	MEMO			Copepoda indet. (parasitic)		36			1						5						2
MEMO	MEMO			Desmosoma sp. (planktonic)		24															3
MEMO	MEMO			Egg/egg mass		890		32	21	28	19	6	14	4		6		8		36	
MEMO	MEMO			Hyperiididae indet. (planktonic)		13						1									
MEMO	MEMO			Insecta indet. (terrestrial)		2															
MEMO	MEMO			Nematoda indet.		7,971	222	144	166	50	137	120	110	300	365	165	116	428	156		98
MEMO	MEMO			Hyperiididae indet. (planktonic)		1															

Abundance data in matrix format, including total taxa (species richness) count per sample, and total abundance

Biologica Sample #		mb18-108-015	mb18-108-016	mb18-108-017	mb18-108-018	mb18-108-019	mb18-108-020	mb18-108-021	mb18-108-022	mb18-108-023	mb18-108-024	mb18-108-025	mb18-108-026	mb18-108-027	mb18-108-028	mb18-108-029	mb18-108-030
Client Sample #		BE-5	BM-1	BM-1	BM-1	BM-3	BM-3	BM-3	BM-4	BM-4	BM-4	BM-6	BM-6	BM-6	BM-7	BM-7	BM-7
Replicate		3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Date Sampled		2018-08-17	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18
taxcode	grpcode	Order	Family	TaxonName	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance
ANNE	ANHI	Rhynchobdellida	Piscicolidae	Hirudinea indet.				3									
ANNE	ANOL	Enchytraeida	Enchytraeidae	Enchytraeidae indet.			6										
ANNE	EURA	Echiuroidea	Echiuridae	Echiurus echiurus		3											
ANNE	POER	Eunicida	Dorvilleidae	Dorvilleidae indet.													
ANNE	POER	Eunicida	Dorvilleidae	Parougia caeca			2				4		6				
ANNE	POER	Eunicida	Lumbrineridae	Lumbrineridae indet.													
ANNE	POER	Eunicida	Lumbrineridae	Lumbrineris sp.													1
ANNE	POER	Eunicida	Lumbrineridae	Scoletoma fragilis	2	3	2	2	1	2	2	3	7	3	1		
ANNE	POER	Eunicida	Lumbrineridae	Scoletoma impatiens		39	4		12	8	14	22	12	20	6	18	15
ANNE	POER	Eunicida	Lumbrineridae	Scoletoma sp.													
ANNE	POER	Eunicida	Onuphidae	Nothria conchylega													
ANNE	POER	Phyllodocida	Glyceridae	Glycera capitata													
ANNE	POER	Phyllodocida	Glyceridae	Glycera sp.													
ANNE	POER	Phyllodocida	Hesionidae	Micropthalmus sp.													1
ANNE	POER	Phyllodocida	Hesionidae	Gyptis sp.													
ANNE	POER	Phyllodocida	Hesionidae	Nereimyra punctata	151	6	8	18	78	20	7	17	12	20	6	19	3
ANNE	POER	Phyllodocida	Nephtyidae	Aglaophamus sp.													
ANNE	POER	Phyllodocida	Nephtyidae	Bipalponephtys cornuta		36	6	2	30	14		14	36	28	14	30	36
ANNE	POER	Phyllodocida	Nephtyidae	Nephtys bucera													
ANNE	POER	Phyllodocida	Nephtyidae	Nephtys ciliata													
ANNE	POER	Phyllodocida	Nephtyidae	Nephtys sp.													
ANNE	POER	Phyllodocida	Nereididae	Nereis zonata	2	3			4	2			4		6	1	
ANNE	POER	Phyllodocida	Nereididae	Nereididae indet.			2	2	6	2			3	1			
ANNE	POER	Phyllodocida	Pholoidae	Pholoe minuta	68	39	88	85	39	60	60	47	33	92	2	6	33
ANNE	POER	Phyllodocida	Pholoidae	Pholoe sp.		3	2	2	3	12	34		40				16
ANNE	POER	Phyllodocida	Pholoidae	Pholoe tecta	442	177	280	196	205	279	118	276	201	276	30	66	117
ANNE	POER	Phyllodocida	Phyllodocidae	Eteone barbata													
ANNE	POER	Phyllodocida	Phyllodocidae	Eteone longa complex	2				3				4		9		
ANNE	POER	Phyllodocida	Phyllodocidae	Eteone sp.				4	3								
ANNE	POER	Phyllodocida	Phyllodocidae	Eulalia sp.													1
ANNE	POER	Phyllodocida	Phyllodocidae	Phyllodoce groenlandica													3
ANNE	POER	Phyllodocida	Phyllodocidae	Phyllodoce sp.													
ANNE	POER	Phyllodocida	Phyllodocidae	Eteone flava													
ANNE	POER	Phyllodocida	Phyllodocidae	Hypereteone sp.													
ANNE	POER	Phyllodocida	Polynoidae	Gattyana cirrhosa		1	4		1	2			1			6	
ANNE	POER	Phyllodocida	Polynoidae	Harmothoe extenuata	2				7		5						
ANNE	POER	Phyllodocida	Polynoidae	Harmothoe imbricata	1		2	2	30				4			3	3
ANNE	POER	Phyllodocida	Polynoidae	Harmothoe sp.	7	12	2		18	20		2			3		1
ANNE	POER	Phyllodocida	Polynoidae	Melaenis loveni											1		
ANNE	POER	Phyllodocida	Polynoidae	Bylgides sarsi						2							
ANNE	POER	Phyllodocida	Polynoidae	Bylgides sp.													
ANNE	POER	Phyllodocida	Polynoidae	Hartmania moorei													
ANNE	POER	Phyllodocida	Polynoidae	Polynoidae indet.										4	2	3	
ANNE	POER	Phyllodocida	Sphaerodoridae	Sphaerodoropsis minuta													6
ANNE	POER	Phyllodocida	Sphaerodoridae	Sphaerodoropsis sp.													
ANNE	POER	Phyllodocida	Syllidae	Syllides longicirratu													
ANNE	POER	Phyllodocida	Syllidae	Syllides sp.													
ANNE	POER	Phyllodocida	Syllidae	Eusyllinae indet.													
ANNE	POER	Phyllodocida	Syllidae	Eusyllis sp.													
ANNE	POER	Phyllodocida	Syllidae	Pionosyllis sp.													
ANNE	POER	Phyllodocida	Syllidae	Exogone verugera													
ANNE	POER	Phyllodocida	Syllidae	Parexogone hebes													
ANNE	POSE	Sabellida	Fabriciidae	Pseudofabricia sp. nr. aberrans													
ANNE	POSE	Sabellida	Oweniidae	Galathowenia oculata					9		2		2	14	21		2
ANNE	POSE	Sabellida	Oweniidae	Myriochele heeri							2			4		1	
ANNE	POSE	Sabellida	Oweniidae	Owenia fusiformis							2		2	44	33	10	
ANNE	POSE	Sabellida	Oweniidae	Oweniidae indet.										4			
ANNE	POSE	Sabellida	Sabellidae	Euchone incolor		48	32	4	79	22	106	72	81	114	30	156	120
ANNE	POSE	Sabellida	Sabellidae	Euchone sp.			6										23
ANNE	POSE	Sabellida	Sabellidae	Bispira sp.													1
ANNE	POSE	Sabellida	Sabellidae	Chone dunerii										3			
ANNE	POSE	Sabellida	Sabellidae	Dialychone sp.	2												6
ANNE	POSE	Sabellida	Sabellidae	Dialychone sp. 1					33	2	7		12	17	8	9	2
ANNE	POSE	Sabellida	Sabellidae	Euchone rubrocincta													
ANNE	POSE	Sabellida	Sabellidae	Sabellidae indet.		3			9		10						
ANNE	POSE	Sabellida	Sabellidae	Sabellidae sp. 2													
ANNE	POSE	Sabellida	Sabellidae	Sabellidae sp. 3										1			
ANNE	POSE	Sabellida	Sabellidae	Sabellidae sp. 4													
ANNE	POSE	Sabellida	Serpulidae	Pileolaria sp.		1											

Abundance data in matrix format, including total taxa (species richness) count per sample, and total abundance

Biologica Sample #					mb18-108-015	mb18-108-016	mb18-108-017	mb18-108-018	mb18-108-019	mb18-108-020	mb18-108-021	mb18-108-022	mb18-108-023	mb18-108-024	mb18-108-025	mb18-108-026	mb18-108-027	mb18-108-028	mb18-108-029	mb18-108-030	
Client Sample #					BE-5	BM-1	BM-1	BM-1	BM-3	BM-3	BM-3	BM-4	BM-4	BM-4	BM-6	BM-6	BM-6	BM-7	BM-7	BM-7	
Replicate					3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
Date Sampled					2018-08-17	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	
taxcode	grpcode	Order	Family	TaxonName	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	
ANNE	POSE	Sabellida	Serpulidae	Spirorbinae indet.																	
ANNE	POSE	Spionida	Apistobranchidae	Apistobranchus sp.		3					2					3	3				2
ANNE	POSE	Spionida	Spionidae	Dipolydora caulleryi																	
ANNE	POSE	Spionida	Spionidae	Dipolydora concharum																	
ANNE	POSE	Spionida	Spionidae	Dipolydora quadrilobata	10		2	2		4											
ANNE	POSE	Spionida	Spionidae	Dipolydora socialis			2						3								
ANNE	POSE	Spionida	Spionidae	Dipolydora sp.																	
ANNE	POSE	Spionida	Spionidae	Laonice cirrata														1			
ANNE	POSE	Spionida	Spionidae	Marenzelleria sp.				20										10		1	
ANNE	POSE	Spionida	Spionidae	Polydora sp. complex																	
ANNE	POSE	Spionida	Spionidae	Prionospio (Prionospio) sp.																	
ANNE	POSE	Spionida	Spionidae	Prionospio (Prionospio) steenstrupi		15	4		42	4	26	5	21	8	88	75	21	4			4
ANNE	POSE	Spionida	Spionidae	Prionospio cirrifera																	
ANNE	POSE	Spionida	Spionidae	Prionospio sp.						2							3				
ANNE	POSE	Spionida	Spionidae	Pygospio sp.	2	18	8		6		31	2	12	8	4	9	3	2			6
ANNE	POSE	Spionida	Spionidae	Scolecopsis sp.																	
ANNE	POSE	Spionida	Spionidae	Spio filicornis	2		4	4													1
ANNE	POSE	Spionida	Spionidae	Spio sp.																	
ANNE	POSE	Spionida	Spionidae	Spionidae indet.										1							
ANNE	POSE	Terebellida	Ampharetidae	Ampharete sp.	7	9	4	2	15		12	7	12	12	4		6	2			1
ANNE	POSE	Terebellida	Ampharetidae	Lysippe labiata									3	4							
ANNE	POSE	Terebellida	Ampharetidae	Melinna elisabethae											2						
ANNE	POSE	Terebellida	Ampharetidae	Melinna sp.																	
ANNE	POSE	Terebellida	Ampharetidae	Ampharete vega																	
ANNE	POSE	Terebellida	Ampharetidae	Ampharetidae indet.		6					5			8		6					
ANNE	POSE	Terebellida	Ampharetidae	Amphitecis sundevalli							1										
ANNE	POSE	Terebellida	Cirratulidae	Aphelocheata sp.	2	9	2			8	7	7	3		4	12	24				
ANNE	POSE	Terebellida	Cirratulidae	Chaetozone bathyala	7	75	30	2	60	12	55	53	60	64	38	84	33	18			21
ANNE	POSE	Terebellida	Cirratulidae	Chaetozone careyi				2										17	11		
ANNE	POSE	Terebellida	Cirratulidae	Chaetozone pigmentata		3				6				4	2		3				
ANNE	POSE	Terebellida	Cirratulidae	Chaetozone setosa complex	2		10		6	2	12	10	3		30	18	15	3			7
ANNE	POSE	Terebellida	Cirratulidae	Chaetozone sp.		15	4	4	12	6	12	17	21	17	22	9	33	20	4		25
ANNE	POSE	Terebellida	Cirratulidae	Cirratulidae indet.	2	9	2	2	12		14	36	24					3			
ANNE	POSE	Terebellida	Cirratulidae	Kirkegaardia sp.																	
ANNE	POSE	Terebellida	Cirratulidae	Tharyx sp.			2		54		10							1			
ANNE	POSE	Terebellida	Flabelligeridae	Diplocirrus hirsutus																	
ANNE	POSE	Terebellida	Pectinariidae	Cistenides granulata	5	8	19	25	2	18	8	19	12	22	1	7	11	8			12
ANNE	POSE	Terebellida	Terebellidae	Polycirrus sp. complex	9	3															
ANNE	POSE	Terebellida	Terebellidae	Lanassa venusta venusta																	
ANNE	POSE	Terebellida	Terebellidae	Laphania boeckii	1				3				3	4			6				
ANNE	POSE	Terebellida	Terebellidae	Leaena abbranchiata																	
ANNE	POSE	Terebellida	Terebellidae	Pista maculata		2			3	3	2	3		6			4				
ANNE	POSE	Terebellida	Terebellidae	Proclea graffi																	
ANNE	POSE	Terebellida	Terebellidae	Proclea sp.																	
ANNE	POSE	Terebellida	Terebellidae	Amaeana sp.																	
ANNE	POSE	Terebellida	Terebellidae	Neoamphitrite affinis		1			3	1											
ANNE	POSE	Terebellida	Terebellidae	Terebellidae indet.					6		5			1							
ANNE	POSE	Terebellida	Trichobranchidae	Terebellides sp.	24	7	9	5	3	10	13	3	31	4	4	12	7				7
ANNE	POSE	Terebellida	Trichobranchidae	Trichobranchus glacialis	2																
ANNE	POSE		Capitellidae	Capitella capitata complex	2		2			2	2										
ANNE	POSE		Capitellidae	Mediomastus sp.	110	15	16	72	99	30	12	31	6	16	2	12	6	15	11		3
ANNE	POSE		Capitellidae	Notomastus latericeus					3												
ANNE	POSE		Cossuridae	Cossura sp.	14	57	8	6	12	6	7	34	12	16	22	36	33	6			4
ANNE	POSE		Maldanidae	Clymenura sp.																	
ANNE	POSE		Maldanidae	Euclymene sp.						2											
ANNE	POSE		Maldanidae	Euclymeninae indet.			2								4	18	9		1		
ANNE	POSE		Maldanidae	Microclymene sp.									9		4	18					
ANNE	POSE		Maldanidae	Praxillella gracilis																	
ANNE	POSE		Maldanidae	Praxillella praetermissa		3					2										
ANNE	POSE		Maldanidae	Maldane sarsi						6	7	7		16		9	6	3			4
ANNE	POSE		Maldanidae	Nicomache sp.																	
ANNE	POSE		Maldanidae	Rhodine loveni																	
ANNE	POSE		Maldanidae	Maldanidae indet.								2	6								
ANNE	POSE		Opheliidae	Ophelina acuminata		1								4			3				1
ANNE	POSE		Opheliidae	Ophelina cylindricaudata																	
ANNE	POSE		Opheliidae	Ophelina sp.													3				
ANNE	POSE		Orbiniidae	Leitoscoloplos sp.																	
ANNE	POSE		Orbiniidae	Orbiniidae indet.			2					2			6			1			1
ANNE	POSE		Orbiniidae	Scoloplos acutus								10	3	12		15					4

Abundance data in matrix format, including total taxa (species richness) count per sample, and total abundance

Biologica Sample #					mb18-108-015	mb18-108-016	mb18-108-017	mb18-108-018	mb18-108-019	mb18-108-020	mb18-108-021	mb18-108-022	mb18-108-023	mb18-108-024	mb18-108-025	mb18-108-026	mb18-108-027	mb18-108-028	mb18-108-029	mb18-108-030	
Client Sample #					BE-5	BM-1	BM-1	BM-1	BM-3	BM-3	BM-3	BM-4	BM-4	BM-4	BM-6	BM-6	BM-6	BM-7	BM-7	BM-7	
Replicate					3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
Date Sampled					2018-08-17	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	
taxcode	grpcode	Order	Family	TaxonName	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	
ANNE	POSE		Orbiniidae	Scoloplos armiger				4			5		3							2	
ANNE	POSE		Orbiniidae	Scoloplos sp.				2													9
ANNE	POSE		Paraonidae	Aricidea catherinae																	
ANNE	POSE		Paraonidae	Aricidea hartmanae	5									4	4						
ANNE	POSE		Paraonidae	Aricidea minuta		12	2		6	2		2	12	12	4	12					1
ANNE	POSE		Paraonidae	Aricidea nolani	6	3	4	4			2	7	6	12	2	6					3
ANNE	POSE		Paraonidae	Aricidea sp.								2			6						3
ANNE	POSE		Paraonidae	Paraonidae indet.																	
ANNE	POSE		Sabelliidae	Branchiomma sp.																	
ANNE	POSE		Scalibregmatidae	Polyphysia crassa																	
ANNE	POSE		Scalibregmatidae	Scalibregma inflatum	13	24	20		9	6	35	22	24	40	6	36	30	1	4		6
ANNE	POXX		Protodrilidae	Protodrilus sp.																	
ARTH	CHAR	Acarina	Halacaridae	Halacaridae indet.					3												
ARTH	CHPY	Pantopoda	Nymphonidae	Nymphon sp.											2						
ARTH	CRAM	Amphipoda	Phoxocephalidae	Harpinia serrata	2						2										
ARTH	CRAM	Amphipoda	Phoxocephalidae	Harpinia sp.																	
ARTH	CRAM	Amphipoda	Ampeliscidae	Ampeliscidae indet.																	
ARTH	CRAM	Amphipoda	Ampeliscidae	Byblis sp.												3	6				
ARTH	CRAM	Amphipoda	Amphilochoidea	Amphilochoidea sp.																	
ARTH	CRAM	Amphipoda	Calliopidae	Calliopidae indet.																	
ARTH	CRAM	Amphipoda	Podoceridae	Dyopedos sp.	2																
ARTH	CRAM	Amphipoda	Corophiidae	Corophiidae indet.																	
ARTH	CRAM	Amphipoda	Corophiidae	Monocorophium sp.													3				
ARTH	CRAM	Amphipoda	Dexaminidae	Dexaminidae indet.								2									
ARTH	CRAM	Amphipoda	Gammaridae	Gammarus sp.				16													
ARTH	CRAM	Amphipoda	Opisidae	Opisa sp.						2											
ARTH	CRAM	Amphipoda	Tryphosidae	Gronella groenlandica																	
ARTH	CRAM	Amphipoda	Tryphosidae	Hippomedon sp.																	
ARTH	CRAM	Amphipoda	Tryphosidae	Orchomene sp.										4		3					
ARTH	CRAM	Amphipoda	Tryphosidae	Orchomenella minuta	2																
ARTH	CRAM	Amphipoda	Tryphosidae	Orchomenella pinguis						2											
ARTH	CRAM	Amphipoda	Tryphosidae	Tryphosidae indet.	2		2				2					3					
ARTH	CRAM	Amphipoda	Uristidae	Anonyx sarsi																	
ARTH	CRAM	Amphipoda	Uristidae	Anonyx sp.	17		2		6												
ARTH	CRAM	Amphipoda	Uristidae	Onisimus barentsi group								7	3								
ARTH	CRAM	Amphipoda	Uristidae	Onisimus brevicaudatus																	
ARTH	CRAM	Amphipoda	Uristidae	Onisimus sp.			2				2	1		4	2						
ARTH	CRAM	Amphipoda		Lysianassoidea indet.	5			4				2	3								
ARTH	CRAM	Amphipoda	Oedicerotidae	Arrhis sp.																	
ARTH	CRAM	Amphipoda	Oedicerotidae	Monoculopsis sp.				8	6			2									1
ARTH	CRAM	Amphipoda	Pontoporeiidae	Pontoporeia femorata	13			32	45	2	1		12	8		6	3				
ARTH	CRAM	Amphipoda	Ampeliscidae	Ampeliscidae eschrichtii																	
ARTH	CRAM	Amphipoda	Ampeliscidae	Haploops tubicola																	1
ARTH	CRAM	Amphipoda	Atylidae	Atylus carinatus									3								
ARTH	CRAM	Amphipoda	Corophiidae	Crassirophium bonellii																	
ARTH	CRAM	Amphipoda	Dexaminidae	Guerneia nordenskioldi		75	58	2	39	48	70	29	51	60		15	39	2			7
ARTH	CRAM	Amphipoda	Eusiridae	Rhachotropis helleri																	
ARTH	CRAM	Amphipoda	Oedicerotidae	Aceroides sp.																	
ARTH	CRAM	Amphipoda	Oedicerotidae	Monoculodes sp.	2				9			2	6	4			9	1			
ARTH	CRAM	Amphipoda	Oedicerotidae	Oedicerotidae indet.	2				3	2		2	6	4							
ARTH	CRAM	Amphipoda	Oedicerotidae	Paroediceros lynceus		6	6	4		7			8								1
ARTH	CRAM	Amphipoda	Oedicerotidae	Rostroculodes sp.		6		2			2	2			2	6					
ARTH	CRAM	Amphipoda	Oedicerotidae	Westwoodilla sp.		6	4		6								3				
ARTH	CRAM	Amphipoda	Pontoporeiidae	Monoporeia affinis				165											1	18	5
ARTH	CRAM	Amphipoda	Stenothoidae	Stenothoidae indet.																	
ARTH	CRAM	Amphipoda		Amphipoda indet.					3								3				3
ARTH	CRCI	Sessilia		Balanomorpha indet.			1		19		2		3	4			3	2	1		
ARTH	CRCO	Cyclopoida		Cyclopoida indet.	7	45	42	6	12	24	12	31	24	12		105	24	10	52		413
ARTH	CRCO	Harpacticoida		Harpacticoida indet.	2	12	12	8	9	14	22	22	21	20			27				
ARTH	CRCU	Cumacea	Diastylidae	Brachydiastylis resima	5						22	17	36	80		48	30				
ARTH	CRCU	Cumacea	Diastylidae	Diastylidae indet.						2											
ARTH	CRCU	Cumacea	Diastylidae	Diastylis bradyi																	
ARTH	CRCU	Cumacea	Diastylidae	Diastylis goodsiri																	
ARTH	CRCU	Cumacea	Diastylidae	Diastylis lucifera			2			2		7	6	4	2						1
ARTH	CRCU	Cumacea	Diastylidae	Diastylis rathkei				2					3			9					
ARTH	CRCU	Cumacea	Diastylidae	Diastylis scorpioides		4	6		15		4	17			4						
ARTH	CRCU	Cumacea	Diastylidae	Diastylis sp.						4				16						1	
ARTH	CRCU	Cumacea	Diastylidae	Diastylis spinulosa																	
ARTH	CRCU	Cumacea	Diastylidae	Diastylis bicipitatus						6				9	2		3				

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Biologica Sample #					mb18-108-015	mb18-108-016	mb18-108-017	mb18-108-018	mb18-108-019	mb18-108-020	mb18-108-021	mb18-108-022	mb18-108-023	mb18-108-024	mb18-108-025	mb18-108-026	mb18-108-027	mb18-108-028	mb18-108-029	mb18-108-030
Client Sample #					BE-5	BM-1	BM-1	BM-1	BM-3	BM-3	BM-3	BM-4	BM-4	BM-4	BM-6	BM-6	BM-6	BM-7	BM-7	BM-7
Replicate					3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Date Sampled					2018-08-17	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18
taxcode	grpcode	Order	Family	TaxonName	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance
ARTH	CRCU	Cumacea	Lampropiidae	Lampropiidae indet.																
ARTH	CRCU	Cumacea	Lampropiidae	Lamprops fuscatus		21	26	16	3	12	50	10	9	20		12	3		1	1
ARTH	CRCU	Cumacea	Leuconidae	Eudorella truncatula								2	6	4	8	39				
ARTH	CRCU	Cumacea	Leuconidae	Leucon sp.		18	22		18	18	17	17	12	24	2	21	12	1		
ARTH	CRCU	Cumacea	Nannastacidae	Campylaspis rubicunda												3				
ARTH	CRCU	Cumacea		Cumacea indet.					3			2								
ARTH	CRDE	Decapoda	Thoridae	Lebbeus polaris																
ARTH	CRDE	Decapoda	Crangonidae	Sabinea septemcarinata											1					
ARTH	CRDE	Decapoda	Crangonidae	Sabinea sp.																
ARTH	CRDE	Decapoda	Crangonidae	Sclerocrangon boreas																
ARTH	CRDE	Decapoda		Caridea indet.						2										
ARTH	CRIS	Isopoda	Gnathiidae	Gnathiidae indet.																
ARTH	CRIS	Isopoda	Munnopsidae	Eurycope sp.																
ARTH	CRIS	Isopoda	Paramunnidae	Pleurogonium spinosissimum																
ARTH	CRMY	Mysida		Mysidacea indet.								7								
ARTH	CRMY	Mysida	Mysidae	Mysis sp.		3				4	5		3			3		1	5	4
ARTH	CROS	Myodocopida	Philomedidae	Philomedes sp.	2	111	8	18	60	62	79	74	72	221	118	78	114	6	2	35
ARTH	CRTA	Tanaidacea	Sphyrapodidae	Pseudosphyrapus anomalus									9		6	15	3			
ARTH	CRTA	Tanaidacea	Akanthophoreidae	Akanthophoreus sp.							2	7	30	20		27	24			
ARTH	CRTA	Tanaidacea	Pseudotanaididae	Pseudotanaid sp.		3						2		4		6				
ARTH	CRTA	Tanaidacea	Typhlotanaididae	Typhlotanaid sp.						2		12			2					
ARTH	CRTA	Tanaidacea		Tanaidacea indet.			4			4			24			6				1
ARTH	INCO	Coleoptera	Curculionidae	Curculionidae indet.								2								
ARTH	INDI	Diptera	Chironomidae	Orthoclaadiinae indet.									2							
ARTH	INDI	Diptera	Chironomidae	Chironomidae indet.					3											
ECHI	ECEC	Camarodonta	Strongylocentrotidae	Strongylocentrotus droebachiensis			6					1								
ECHI	ECEC	Camarodonta	Strongylocentrotidae	Strongylocentrotus sp.																
ECHI	ECHO	Apodida	Myriotrochidae	Myriotrochus rinkii																
ECHI	ECHO	Dendrochirotrida	Psolidae	Psolus phantapus																
ECHI	ECHO	Molpadida		Molpadida indet.																
ECHI	ECOP	Ophiurida	Ophiuridae	Ophiocten affinis																
ECHI	ECOP	Ophiurida	Ophiuridae	Ophiura sarsii					1	1		3	6				5			
ECHI	ECOP	Ophiurida	Ophiuridae	Ophiura robusta																
ECHI	ECOP	Ophiurida	Ophiuridae	Ophiuridae indet.						2										
MISC	BRYO	Cheilostomatida	Candidae	Scrupocellaria sp.																
MISC	BRYO	Cheilostomatida	Calloporidae	Calloporidae indet.																
MISC	BRYO	Cheilostomatida	Myriaporidae	Leieschara sp.																
MISC	BRYO	Ctenostomatida	Alcyoniidae	Alcyonium sp.																
MISC	BRYO	Ctenostomatida	Triticellidae	Triticella sp.			2													
MISC	BRYO	Ctenostomatida		Ctenostomata indet.											2					1
MISC	BRYO	Cyclostomatida	Crisiidae	Crisia sp.																
MISC	BRYO	Cyclostomatida		Cyclostomatida indet.																
MISC	BRYO			Bryozoa indet.													9			
MISC	CNHY	Anthoathecata	Bougainvilliidae	Bougainvilliidae indet.		1														
MISC	CNHY	Anthoathecata		Anthoathecata indet.																
MISC	CNHY	Limnomedusae	Olindiidae	Monobranchium parasitum		3	3		3	4	5	1	6		7	2	6	1		
MISC	CNHY			Hydrozoa indet.																
MISC	HEMI			Hemichordata indet.																
MISC	NTEA	Archinemertea	Cephalothricidae	Cephalothrix sp.			2		6				6	4						
MISC	NTEA	Heteronemertea	Lineidae	Cerebratulus sp.		3					7					6		2		1
MISC	NTEA	Heteronemertea	Lineidae	Lineidae indet.		3														
MISC	NTEA	Palaeonemertea	Carinomidae	Carinoma sp.																
MISC	NTEA			Anopla indet.																
MISC	NTEA			Enopla indet.	1	3	4		21	2	11	3	3	8	1	3	6	1		3
MISC	NTEA		Tubulanidae	Tubulanus sp.																
MISC	NTEA			Nemertea indet.																
MISC	PIXX	Scorpaeniformes	Cottidae	Cottidae indet.							3									
MISC	PIXX			Pisces indet.																
MISC	PLTY			Platyhelminthes indet.																
MISC	PORI			Calcarea indet.																
MISC	PRIA		Priapulidae	Priapulus caudatus	1												3			
MISC	PRIA		Priapulidae	Priapulus sp.		3														
MISC	SIPN	Golfingiida	Golfingiidae	Golfingia sp.																
MISC	URAS	Aplousobranchia		Aplousobranchia indet.																
MISC	URAS	Phlebobranchia	Asciidiidae	Ascidia sp.			2													
MISC	URAS	Stolidobranchia	Molgulidae	Molgula sp.																
MISC	URAS	Stolidobranchia	Pyuridae	Boltenia echinata										1						
MISC	URAS	Stolidobranchia	Styelidae	Polycarpa fibrosa																

Abundance data in matrix format, including total taxa (species richness) count per sample, and total abundance

Biologica Sample #		mb18-108-015	mb18-108-016	mb18-108-017	mb18-108-018	mb18-108-019	mb18-108-020	mb18-108-021	mb18-108-022	mb18-108-023	mb18-108-024	mb18-108-025	mb18-108-026	mb18-108-027	mb18-108-028	mb18-108-029	mb18-108-030
Client Sample #		BE-5	BM-1	BM-1	BM-1	BM-3	BM-3	BM-3	BM-4	BM-4	BM-4	BM-6	BM-6	BM-6	BM-7	BM-7	BM-7
Replicate		3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Date Sampled		2018-08-17	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18
taxcode	grpcode	Order	Family	TaxonName	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance
MISC	URAS	Stolidobranchia	Styelidae	Styelidae indet.			2										
MOLL	MOAP	Chaetodermatida	Chaetodermatidae	Chaetoderma sp.								2					
MOLL	MOAP			Aplacophora indet.													
MOLL	MOBI	Adapedonta	Hiatellidae	Hiatella arctica	9	10	7	9	20	27	4	12	4	10	2	4	16
MOLL	MOBI	Anomalodesmata	Cuspidariidae	Cuspidaria sp.													
MOLL	MOBI	Anomalodesmata	Lyonsiidae	Lyonsia arenosa							3	1					
MOLL	MOBI	Anomalodesmata	Thraciidae	Thracia myopsis													
MOLL	MOBI	Anomalodesmata	Thraciidae	Thracia sp.													
MOLL	MOBI	Arcida	Arcidae	Bathyarca glacialis													
MOLL	MOBI	Carditoida	Astartidae	Astarte borealis	3	12	20	5	3	9	17	6	24	37	14	11	6
MOLL	MOBI	Carditoida	Astartidae	Astarte montagui		22	36		25	24	23	17	46	91	34	27	23
MOLL	MOBI	Carditoida	Astartidae	Astarte sp.			22		12	4	7	2	15	24	18	6	1
MOLL	MOBI	Lucinida	Thyasiridae	Axinopsida sp.								10	27				3
MOLL	MOBI	Lucinida	Thyasiridae	Thyasira sp.		6	2		6	4	7	14	3		6	12	15
MOLL	MOBI	Lucinida	Thyasiridae	Thyasiridae indet.		3	2		6	6	2	12	6	4	8	12	12
MOLL	MOBI	Myida	Myidae	Mya sp.		3	10			2			8			3	3
MOLL	MOBI	Myida	Myidae	Mya truncata	7	2		1		10	8	3	1	4	3	1	1
MOLL	MOBI	Mytilida	Mytilidae	Dacrydium vitreum							2						
MOLL	MOBI	Mytilida	Mytilidae	Crenella faba	2	3				9	4	2					
MOLL	MOBI	Mytiloida	Mytilidae	Musculus discors	8		4	3	13	3			3			1	
MOLL	MOBI	Mytiloida	Mytilidae	Mytilidae indet.						4							
MOLL	MOBI	Nuculanida	Nuculanidae	Nuculana minuta		3	5	2	4	2	4	2		13		1	
MOLL	MOBI	Nuculanida	Nuculanidae	Nuculana pernula					1	2	2	2	1	6	1	1	
MOLL	MOBI	Nuculanida	Nuculanidae	Nuculana sp.		9	6			2	2					6	
MOLL	MOBI	Nuculanida		Nuculanoidea indet.			2										
MOLL	MOBI	Nuculanoida	Yoldiidae	Portlandia intermedia													
MOLL	MOBI	Nuculanoida	Yoldiidae	Yoldiella frigida													
MOLL	MOBI	Nuculanoida	Yoldiidae	Yoldiella lenticula													
MOLL	MOBI	Nuculanoida	Yoldiidae	Yoldiidae indet.							2	3		4		3	1
MOLL	MOBI	Nuculida	Nuculidae	Ennucula tenuis		5	1		6	4	12	5	6	21	22	18	7
MOLL	MOBI	Pectinida	Pectinidae	Chlamys islandica													1
MOLL	MOBI	Pectinida	Propeamussiidae	Similipecten greenlandicus			1		1				5		16	2	
MOLL	MOBI	Pectinoida	Pectinidae	Pectinidae indet.													
MOLL	MOBI	Pectinoida	Propeamussiidae	Propeamussiidae indet.													
MOLL	MOBI	Veneroida	Cardiidae	Ciliatocardium ciliatum			1		1	1	2				2	3	
MOLL	MOBI	Veneroida	Cardiidae	Serripes groenlandicus					3	2	2	1	4	5		1	2
MOLL	MOBI	Veneroida	Tellinidae	Macoma balthica	2			9									
MOLL	MOBI	Veneroida	Tellinidae	Macoma calcarea		4	2		5	1	8	2	4	13	9	4	6
MOLL	MOBI	Veneroida	Tellinidae	Macoma moesta		3	2			1	1		3	2	2	5	5
MOLL	MOBI	Veneroida	Tellinidae	Macoma sp.		27	10	2	24	2	22	17	15	4	4	21	15
MOLL	MOBI		Periplomatidae	Periploma aleuticum									4				
MOLL	MOBI			Bivalvia indet.	5	6	4		3	2	2		6		2	6	6
MOLL	MOGA	Cephalaspidea	Cylichnidae	Cylichna alba													1
MOLL	MOGA	Cephalaspidea	Cylichnidae	Cylichna sp.													
MOLL	MOGA	Cephalaspidea	Cylichnidae	Cylichnidae indet.						2							
MOLL	MOGA	Cephalaspidea	Cylichnidae	Cylichnoides occultus													3
MOLL	MOGA	Cephalaspidea		Cephalaspidea indet.		3	4	8	6	5	14	9	24		3	9	3
MOLL	MOGA	Littorinimorpha	Capulidae	Ariadnaria borealis												6	
MOLL	MOGA	Littorinimorpha	Naticidae	Cryptonatica affinis													
MOLL	MOGA	Littorinimorpha	Naticidae	Euspira pallida		3			3						3		
MOLL	MOGA	Littorinimorpha	Naticidae	Naticidae indet.													
MOLL	MOGA	Littorinimorpha	Rissoidae	Boreocingula castanea									8			3	
MOLL	MOGA	Littorinimorpha	Velutinidae	Velutinidae indet.													
MOLL	MOGA	Littorinimorpha	Rissoidae	Rissoidae indet.						2	2		4		9	3	
MOLL	MOGA	Neogastropoda	Buccinidae	Buccinidae indet.													
MOLL	MOGA	Neogastropoda	Buccinidae	Buccinum hydrophanum													
MOLL	MOGA	Neogastropoda	Buccinidae	Colus sp.													1
MOLL	MOGA	Neogastropoda	Columbellidae	Columbellidae indet.													
MOLL	MOGA	Neogastropoda	Cancellariidae	Admete viridula													
MOLL	MOGA	Neogastropoda	Mangeliidae	Mangeliidae indet.		3											
MOLL	MOGA	Neogastropoda	Mangeliidae	Oenopota sp.													
MOLL	MOGA	Trochida	Colloniidae	Moelleria costulata													
MOLL	MOGA	Trochida	Margaritidae	Margarites groenlandicus													
MOLL	MOGA	Trochida	Margaritidae	Margarites helacinus				18	8								
MOLL	MOGA	Trochida	Margaritidae	Margarites olivaceus													
MOLL	MOGA	Trochida	Margaritidae	Margarites sp.													
MOLL	MOGA		Buccinidae	Volutopsis norwegicus													
MOLL	MOGA		Lepetidae	Lepeta caeca								2			3		
MOLL	MOGA		Lottiidae	Lottiidae indet.													

Abundance data in matrix format, including total taxa (species richness) count per sample, and total abundance

Biologica Sample #		mb18-108-015	mb18-108-016	mb18-108-017	mb18-108-018	mb18-108-019	mb18-108-020	mb18-108-021	mb18-108-022	mb18-108-023	mb18-108-024	mb18-108-025	mb18-108-026	mb18-108-027	mb18-108-028	mb18-108-029	mb18-108-030			
Client Sample #		BE-5	BM-1	BM-1	BM-1	BM-3	BM-3	BM-3	BM-4	BM-4	BM-4	BM-6	BM-6	BM-6	BM-7	BM-7	BM-7			
Replicate		3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3			
Date Sampled		2018-08-17	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18			
taxcode	grprcode	Order	Family	TaxonName	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance			
MOLL	MOGA		Lottiidae	Testudinalia testudinalis																
MOLL	MOGA		Trochidae	Trochidae indet.							4									
MOLL	MOGA			Gastropoda indet.			6					2	3				1			
MOLL	MOPO	Chitonida	Tonicellidae	Tonicella marmorea																
MOLL	MOSC	Gadilida	Gadilidae	Gadilidae indet.																
Total Abundance					1,013	1,143	957	801	1,400	917	1,098	1,136	1,268	1,782	737	1,348	1,160	250	140	789
Total Unique Taxa (Species Richness)					45	63	66	42	68	61	66	66	70	69	56	68	75	52	18	48
No. composite grabs					3	3	3	4	3	3	4	3	3	3	4	4	4	4	4	4
Total Density (Organisms/m²)					15013	16933	14178	8900	20746	13585	12196	16824	14089	19800	10919	19970	17185	2778	1556	8767
Incidental Organisms:																				
MEMO	MEMO			Calanoida indet. (planktonic)	2															
MEMO	MEMO			Chatognatha indet. (planktonic)																
MEMO	MEMO			Copepoda indet. (parasitic)																3
MEMO	MEMO			Desmosoma sp. (planktonic)									9							
MEMO	MEMO			Egg/egg mass		12	2	10	41	24			6	3						
MEMO	MEMO			Hyperiididae indet. (planktonic)																
MEMO	MEMO			Insecta indet. (terrestrial)																
MEMO	MEMO			Nematoda indet.	74	192	88	2	102	80	163	154	75	240	34	123	366	36	4	32
MEMO	MEMO			Hyperiididae indet. (planktonic)																

Abundance data in matrix format, including total taxa (species richness) count per sample, and total abundance

Biologica Sample #					mb18-108-031	mb18-108-032	mb18-108-033	mb18-108-034	mb18-108-035	mb18-108-036	mb18-108-037	mb18-108-038	mb18-108-039	mb18-108-040	mb18-108-041	mb18-108-042	mb18-108-043	mb18-108-044	mb18-108-045	mb18-108-046	
Client Sample #					BM-9	BM-9	BM-9	BM-10	BM-10	BM-10	BM-12	BM-12	BM-12	BR-1	BR-4	BW-1	BW-1	BW-1	BW-2	BW-2	
Replicate					1	2	3	1	2	3	1	2	3	1	1	1	2	3	1	2	
Date Sampled					2018-08-19	2018-08-19	2018-08-19	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-08	2018-08-08	2018-08-13	2018-08-13	2018-08-13	2018-08-13	
taxcode	grpcode	Order	Family	TaxonName	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	
ANNE	ANHI	Rhynchobdellida	Piscicolidae	Hirudinea indet.																	
ANNE	ANOL	Enchytraeida	Enchytraeidae	Enchytraeidae indet.					2												
ANNE	EURA	Echiuroidea	Echiuridae	Echiurus echiurus																	
ANNE	POER	Eunicida	Dorvilleidae	Dorvilleidae indet.	2			6	1		2										
ANNE	POER	Eunicida	Dorvilleidae	Parougia caeca								2		2							
ANNE	POER	Eunicida	Lumbrineridae	Lumbrineridae indet.									2								
ANNE	POER	Eunicida	Lumbrineridae	Lumbrineris sp.																	
ANNE	POER	Eunicida	Lumbrineridae	Scoletoma fragilis	2	5	6	2			14	12	17			4		5			
ANNE	POER	Eunicida	Lumbrineridae	Scoletoma impatiens	14	26	18				6				1	32	36	28	15		36
ANNE	POER	Eunicida	Lumbrineridae	Scoletoma sp.								6									
ANNE	POER	Eunicida	Onuphidae	Nothria conchylega																	
ANNE	POER	Phyllodocida	Glyceridae	Glycera capitata																	
ANNE	POER	Phyllodocida	Glyceridae	Glycera sp.																	
ANNE	POER	Phyllodocida	Hesionidae	Micropthalmus sp.																	
ANNE	POER	Phyllodocida	Hesionidae	Gyptis sp.																	
ANNE	POER	Phyllodocida	Hesionidae	Nereimyra punctata	31	52	30	3	12	2	22	10	12	42	2	161	89	64	120		36
ANNE	POER	Phyllodocida	Nephtyidae	Aglaophamus sp.																	
ANNE	POER	Phyllodocida	Nephtyidae	Bipalponephtys cornuta	26	26	54				36	28	22	41	12	76	81	64	42		60
ANNE	POER	Phyllodocida	Nephtyidae	Nephtys bucera													1				
ANNE	POER	Phyllodocida	Nephtyidae	Nephtys ciliata							1										
ANNE	POER	Phyllodocida	Nephtyidae	Nephtys sp.							2										
ANNE	POER	Phyllodocida	Nereididae	Nereis zonata		3	3	1								16	4	1	7		1
ANNE	POER	Phyllodocida	Nereididae	Nereididae indet.		6	6							5		4	5	4			
ANNE	POER	Phyllodocida	Pholoidae	Pholoe minuta	24	38	27	2	10		4	2	10	46	1	108	157	92	18		39
ANNE	POER	Phyllodocida	Pholoidae	Pholoe sp.							10	14	3	8	2	56	72	52	21		93
ANNE	POER	Phyllodocida	Pholoidae	Pholoe tecta	103	98	84	19	2	1	108	102	74	384	43	298	407	280	186		177
ANNE	POER	Phyllodocida	Phyllodocidae	Eteone barbata																	
ANNE	POER	Phyllodocida	Phyllodocidae	Eteone longa complex			3			4				8							
ANNE	POER	Phyllodocida	Phyllodocidae	Eteone sp.		6						4									
ANNE	POER	Phyllodocida	Phyllodocidae	Eulalia sp.																	
ANNE	POER	Phyllodocida	Phyllodocidae	Phyllodoce groenlandica					2	1											
ANNE	POER	Phyllodocida	Phyllodocidae	Phyllodoce sp.																	
ANNE	POER	Phyllodocida	Phyllodocidae	Eteone flava																	
ANNE	POER	Phyllodocida	Phyllodocidae	Hypereteone sp.																	
ANNE	POER	Phyllodocida	Polynoidae	Gattyana cirrhosa	2		9									4	1	5			1
ANNE	POER	Phyllodocida	Polynoidae	Harmothoe extenuata																	
ANNE	POER	Phyllodocida	Polynoidae	Harmothoe imbricata	2		3		1												
ANNE	POER	Phyllodocida	Polynoidae	Harmothoe sp.		6	3						3	4	4	4		16	6		7
ANNE	POER	Phyllodocida	Polynoidae	Melaenia loveni																	
ANNE	POER	Phyllodocida	Polynoidae	Bylgides sarsi																	
ANNE	POER	Phyllodocida	Polynoidae	Bylgides sp.																	
ANNE	POER	Phyllodocida	Polynoidae	Hartmania moorei																	
ANNE	POER	Phyllodocida	Polynoidae	Polynoidae indet.	2																
ANNE	POER	Phyllodocida	Sphaerodoridae	Sphaerodoropsis minuta												8					
ANNE	POER	Phyllodocida	Sphaerodoridae	Sphaerodoropsis sp.																	
ANNE	POER	Phyllodocida	Syllidae	Syllides longicirratu							10	8	2								
ANNE	POER	Phyllodocida	Syllidae	Syllides sp.																	
ANNE	POER	Phyllodocida	Syllidae	Eusyllinae indet.																	
ANNE	POER	Phyllodocida	Syllidae	Eusyllis sp.													4			12	
ANNE	POER	Phyllodocida	Syllidae	Pionosyllis sp.																	
ANNE	POER	Phyllodocida	Syllidae	Exogone verugera																	
ANNE	POER	Phyllodocida	Syllidae	Parexogone hebes							4		2								3
ANNE	POSE	Sabellida	Fabriciidae	Pseudofabricia sp. nr. aberrans																	
ANNE	POSE	Sabellida	Oweniidae	Galathowenia oculata	19	4					4	8	10	8	4					3	
ANNE	POSE	Sabellida	Oweniidae	Myriochele heeri							2										
ANNE	POSE	Sabellida	Oweniidae	Owenia fusiformis	47	4						2	2	48	41						
ANNE	POSE	Sabellida	Oweniidae	Oweniidae indet.																	
ANNE	POSE	Sabellida	Sabellidae	Euchone incolor	43	30	72	3			30	4	2	4	7	17	12		21		36
ANNE	POSE	Sabellida	Sabellidae	Euchone sp.																	
ANNE	POSE	Sabellida	Sabellidae	Bispira sp.																	
ANNE	POSE	Sabellida	Sabellidae	Chone duneri																	
ANNE	POSE	Sabellida	Sabellidae	Dialychone sp.			9														
ANNE	POSE	Sabellida	Sabellidae	Dialychone sp. 1	12		48				8	12							3		6
ANNE	POSE	Sabellida	Sabellidae	Euchone rubrocincta																	
ANNE	POSE	Sabellida	Sabellidae	Sabellidae indet.		2			1							8	16				
ANNE	POSE	Sabellida	Sabellidae	Sabellidae sp. 2																	
ANNE	POSE	Sabellida	Sabellidae	Sabellidae sp. 3	2		3				2										
ANNE	POSE	Sabellida	Sabellidae	Sabellidae sp. 4																	
ANNE	POSE	Sabellida	Serpulidae	Pileolaria sp.																	

Abundance data in matrix format, including total taxa (species richness) count per sample, and total abundance

Biologica Sample #		mb18-108-031	mb18-108-032	mb18-108-033	mb18-108-034	mb18-108-035	mb18-108-036	mb18-108-037	mb18-108-038	mb18-108-039	mb18-108-040	mb18-108-041	mb18-108-042	mb18-108-043	mb18-108-044	mb18-108-045	mb18-108-046
Client Sample #		BM-9	BM-9	BM-9	BM-10	BM-10	BM-10	BM-12	BM-12	BM-12	BR-1	BR-4	BW-1	BW-1	BW-1	BW-2	BW-2
Replicate		1	2	3	1	2	3	1	2	3	1	1	1	2	3	1	2
Date Sampled		2018-08-19	2018-08-19	2018-08-19	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-08	2018-08-08	2018-08-13	2018-08-13	2018-08-13	2018-08-13	2018-08-13
taxcode	grpcode	Order	Family	TaxonName	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance
ANNE	POSE	Sabellida	Serpulidae	Spirorbinae indet.		22							18				
ANNE	POSE	Spionida	Apistobranchidae	Apistobranchus sp.		2	12				12	2					
ANNE	POSE	Spionida	Spionidae	Dipolydora caulleryi													
ANNE	POSE	Spionida	Spionidae	Dipolydora concharum													
ANNE	POSE	Spionida	Spionidae	Dipolydora quadrilobata			3	3		2		5					
ANNE	POSE	Spionida	Spionidae	Dipolydora socialis	2												
ANNE	POSE	Spionida	Spionidae	Dipolydora sp.					2								
ANNE	POSE	Spionida	Spionidae	Laonice cirrata													
ANNE	POSE	Spionida	Spionidae	Marenzelleria sp.		2	3	23	31	21							
ANNE	POSE	Spionida	Spionidae	Polydora sp. complex							4		4				
ANNE	POSE	Spionida	Spionidae	Prionospio (Prionospio) sp.								4	4	8	4	12	
ANNE	POSE	Spionida	Spionidae	Prionospio (Prionospio) steenstrupi	110	8	18		80	70	63	25		4		9	6
ANNE	POSE	Spionida	Spionidae	Prionospio cirrifera													
ANNE	POSE	Spionida	Spionidae	Prionospio sp.													
ANNE	POSE	Spionida	Spionidae	Pygospio sp.	2	14	6	1	2	4	5	16	20	44	16	9	6
ANNE	POSE	Spionida	Spionidae	Scoelepis sp.				4		1							
ANNE	POSE	Spionida	Spionidae	Spio filicornis						4			4				
ANNE	POSE	Spionida	Spionidae	Spio sp.				3	4	1							
ANNE	POSE	Spionida	Spionidae	Spionidae indet.													
ANNE	POSE	Terebellida	Ampharetidae	Ampharete sp.	5	6		1	1	2	4	3	1	12	12	7	
ANNE	POSE	Terebellida	Ampharetidae	Lysippe labiata													3
ANNE	POSE	Terebellida	Ampharetidae	Melinna elisabethae	5				4	2							
ANNE	POSE	Terebellida	Ampharetidae	Melinna sp.													
ANNE	POSE	Terebellida	Ampharetidae	Ampharete vega													
ANNE	POSE	Terebellida	Ampharetidae	Ampharetidae indet.				1			2						
ANNE	POSE	Terebellida	Ampharetidae	Amphicteis sundevalli			1										
ANNE	POSE	Terebellida	Cirratulidae	Aphelochaeta sp.				1		10			4				
ANNE	POSE	Terebellida	Cirratulidae	Chaetozone bathyala	41	71	99	2		116	78	31	1	90	124	76	69
ANNE	POSE	Terebellida	Cirratulidae	Chaetozone careyi	2			1	4								
ANNE	POSE	Terebellida	Cirratulidae	Chaetozone pigmentata	2	4				10	8	7					3
ANNE	POSE	Terebellida	Cirratulidae	Chaetozone setosa complex	14	8	12		8	16	22						6
ANNE	POSE	Terebellida	Cirratulidae	Chaetozone sp.	24	36	15		30	38	24		1	48	44	6	24
ANNE	POSE	Terebellida	Cirratulidae	Cirratulidae indet.	2	10	15		1	8	14	12	24	4	52	28	12
ANNE	POSE	Terebellida	Cirratulidae	Kirkegaardia sp.						2							
ANNE	POSE	Terebellida	Cirratulidae	Tharyx sp.			3										
ANNE	POSE	Terebellida	Flabelligeridae	Diplocirrus hirsutus									1				
ANNE	POSE	Terebellida	Pectinariidae	Cistenides granulata	7	40		6	5			25	8	42	83	20	6
ANNE	POSE	Terebellida	Terebellidae	Polycirrus sp. complex				1									
ANNE	POSE	Terebellida	Terebellidae	Lanassa venusta venusta						2							
ANNE	POSE	Terebellida	Terebellidae	Laphania boeckii										4			
ANNE	POSE	Terebellida	Terebellidae	Leaena abbranchiata													
ANNE	POSE	Terebellida	Terebellidae	Pista maculata	2	10	4					1	3	6	4	3	2
ANNE	POSE	Terebellida	Terebellidae	Proclea graffi								2					
ANNE	POSE	Terebellida	Terebellidae	Proclea sp.													
ANNE	POSE	Terebellida	Terebellidae	Amaeana sp.													
ANNE	POSE	Terebellida	Terebellidae	Neoamphitrite affinis													
ANNE	POSE	Terebellida	Terebellidae	Terebellidae indet.						2		3					
ANNE	POSE	Terebellida	Trichobranchidae	Terebellides sp.	3	3	6			2		7	3	7	13	28	28
ANNE	POSE	Terebellida	Trichobranchidae	Trichobranchus glacialis						2		7	3	7	13	28	28
ANNE	POSE		Capitellidae	Capitella capitata complex						1		2	8				
ANNE	POSE		Capitellidae	Mediomastus sp.	10	4	12	2		11	1	4	6	7	4	1	12
ANNE	POSE		Capitellidae	Notomastus latericeus													
ANNE	POSE		Cossuridae	Cossura sp.	58	16	21			18	26	19		52	49	4	84
ANNE	POSE		Maldanidae	Clymenura sp.									11				
ANNE	POSE		Maldanidae	Euclymene sp.						4							
ANNE	POSE		Maldanidae	Euclymeninae indet.		4					2				8		
ANNE	POSE		Maldanidae	Microclymene sp.		2	9				4	2					
ANNE	POSE		Maldanidae	Praxillella gracilis													
ANNE	POSE		Maldanidae	Praxillella praetermissa			15										
ANNE	POSE		Maldanidae	Maldane sarsi	7	17	18			2			15	8	4	3	18
ANNE	POSE		Maldanidae	Nicomache sp.		1											
ANNE	POSE		Maldanidae	Rhodine loveni													
ANNE	POSE		Maldanidae	Maldanidae indet.			3							2		4	
ANNE	POSE		Opheliidae	Ophelina acuminata							1				1		
ANNE	POSE		Opheliidae	Ophelina cylindricaudata					2								
ANNE	POSE		Opheliidae	Ophelina sp.													4
ANNE	POSE		Orbiniidae	Leitoscoloplos sp.													
ANNE	POSE		Orbiniidae	Orbiniidae indet.	5												
ANNE	POSE		Orbiniidae	Scoloplos acutus	10	12	7			18	14	5		12	12		

Abundance data in matrix format, including total taxa (species richness) count per sample, and total abundance

Biologica Sample #					mb18-108-031	mb18-108-032	mb18-108-033	mb18-108-034	mb18-108-035	mb18-108-036	mb18-108-037	mb18-108-038	mb18-108-039	mb18-108-040	mb18-108-041	mb18-108-042	mb18-108-043	mb18-108-044	mb18-108-045	mb18-108-046
Client Sample #					BM-9	BM-9	BM-9	BM-10	BM-10	BM-10	BM-12	BM-12	BM-12	BR-1	BR-4	BW-1	BW-1	BW-1	BW-2	BW-2
Replicate					1	2	3	1	2	3	1	2	3	1	1	1	2	3	1	2
Date Sampled					2018-08-19	2018-08-19	2018-08-19	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-08	2018-08-13	2018-08-13	2018-08-13	2018-08-13	2018-08-13
taxcode	grpcode	Order	Family	TaxonName	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance
ANNE	POSE		Orbiniidae	Scoloplos armiger										4			4			
ANNE	POSE		Orbiniidae	Scoloplos sp.													4	4	12	3
ANNE	POSE		Paraonidae	Aricidea catherinae												4				
ANNE	POSE		Paraonidae	Aricidea hartmanae	2		6				10	2	7	4			4		6	9
ANNE	POSE		Paraonidae	Aricidea minuta	14	2	15				4	4	7	24	2	8	16		3	9
ANNE	POSE		Paraonidae	Aricidea nolani	2		9				4	4	5	28	11				9	
ANNE	POSE		Paraonidae	Paraonidae indet.												4	4			
ANNE	POSE		Sabelliidae	Branchiomma sp.									1							
ANNE	POSE		Scalibregmatidae	Polyphysia crassa																
ANNE	POSE		Scalibregmatidae	Scalibregma inflatum	17	18	21				4	12	10		4	12	9	16	18	23
ANNE	POXX		Protodrilidae	Protodrilus sp.						25										
ARTH	CHAR	Acarina	Halacaridae	Halacaridae indet.																
ARTH	CHPY	Pantopoda	Nymphonidae	Nymphon sp.										2						
ARTH	CRAM	Amphipoda	Phoxocephalidae	Harpinia serrata	2						4			8	2					
ARTH	CRAM	Amphipoda	Phoxocephalidae	Harpinia sp.																
ARTH	CRAM	Amphipoda	Ampeliscidae	Ampeliscidae indet.								2		16		8				
ARTH	CRAM	Amphipoda	Ampeliscidae	Byblis sp.							2				1					3
ARTH	CRAM	Amphipoda	Amphilochoidea	Amphilochochus sp.									2							
ARTH	CRAM	Amphipoda	Calliopidae	Calliopidae indet.											5					
ARTH	CRAM	Amphipoda	Podoceridae	Dyopedes sp.																
ARTH	CRAM	Amphipoda	Corophiidae	Corophiidae indet.																
ARTH	CRAM	Amphipoda	Corophiidae	Monocorophium sp.					1											
ARTH	CRAM	Amphipoda	Dexaminidae	Dexaminidae indet.																
ARTH	CRAM	Amphipoda	Gammaridae	Gammarus sp.																
ARTH	CRAM	Amphipoda	Opisidae	Opisa sp.								2								
ARTH	CRAM	Amphipoda	Tryphosidae	Gronella groenlandica																
ARTH	CRAM	Amphipoda	Tryphosidae	Hippomedon sp.																
ARTH	CRAM	Amphipoda	Tryphosidae	Orchomena sp.																
ARTH	CRAM	Amphipoda	Tryphosidae	Orchomenella minuta																
ARTH	CRAM	Amphipoda	Tryphosidae	Orchomenella pinguis	12															
ARTH	CRAM	Amphipoda	Tryphosidae	Tryphosidae indet.									2				4			
ARTH	CRAM	Amphipoda	Uristidae	Anonyx sarsi		2		1												
ARTH	CRAM	Amphipoda	Uristidae	Anonyx sp.	1												4	4		
ARTH	CRAM	Amphipoda	Uristidae	Onisimus barentsi group					1											3
ARTH	CRAM	Amphipoda	Uristidae	Onisimus brevicaudatus																
ARTH	CRAM	Amphipoda	Uristidae	Onisimus sp.	2														3	3
ARTH	CRAM	Amphipoda		Lysianassoidea indet.	5						2								3	
ARTH	CRAM	Amphipoda	Oedicerotidae	Arrhis sp.																
ARTH	CRAM	Amphipoda	Oedicerotidae	Monoculopsis sp.				1						4					6	
ARTH	CRAM	Amphipoda	Pontoporeiidae	Pontoporeia femorata		2								16	6					
ARTH	CRAM	Amphipoda	Ampeliscidae	Ampelisca eschrichtii		1	1	1												
ARTH	CRAM	Amphipoda	Ampeliscidae	Haploops tubicola											10					
ARTH	CRAM	Amphipoda	Atylidae	Atylus carinatus												1				
ARTH	CRAM	Amphipoda	Corophiidae	Crassirophium bonellii				7												
ARTH	CRAM	Amphipoda	Dexaminidae	Guerneia nordenskioldi	17	10	9	2			22	18	5	28	10	32	40	20	24	36
ARTH	CRAM	Amphipoda	Eusiridae	Rhachotropis helleri																
ARTH	CRAM	Amphipoda	Oedicerotidae	Aceroides sp.																
ARTH	CRAM	Amphipoda	Oedicerotidae	Monoculodes sp.				1			2			16	1	4			3	
ARTH	CRAM	Amphipoda	Oedicerotidae	Oedicerotidae indet.	2					1	4	2								
ARTH	CRAM	Amphipoda	Oedicerotidae	Paroediceros lynceus				2						1			4			
ARTH	CRAM	Amphipoda	Oedicerotidae	Rostroculodes sp.									3	28						6
ARTH	CRAM	Amphipoda	Oedicerotidae	Westwoodilla sp.								2	3							3
ARTH	CRAM	Amphipoda	Pontoporeiidae	Monoporeia affinis		2		3	3	1				4						
ARTH	CRAM	Amphipoda	Stenothoidae	Stenothoidae indet.																
ARTH	CRAM	Amphipoda		Amphipoda indet.				1	2	1		4			1					
ARTH	CRCI	Sessilia		Balanomorpha indet.	17	78		1		1				1			14			
ARTH	CRCO	Cyclopoida		Cyclopoida indet.	5	4	9	1	3	1				60	10	60	52	40	5	9
ARTH	CRCO	Harpacticoida		Harpacticoida indet.					1		10			2	2					
ARTH	CRCU	Cumacea	Diastylidae	Brachydiastylis resima	2									64	32		4	8		3
ARTH	CRCU	Cumacea	Diastylidae	Diastylidae indet.															3	
ARTH	CRCU	Cumacea	Diastylidae	Diastylis bradyi																
ARTH	CRCU	Cumacea	Diastylidae	Diastylis goodsiri																
ARTH	CRCU	Cumacea	Diastylidae	Diastylis lucifera		2							2							6
ARTH	CRCU	Cumacea	Diastylidae	Diastylis rathkei			3				6	2		2				4		
ARTH	CRCU	Cumacea	Diastylidae	Diastylis scorpoides	5	6	3				2	20	19	4			8			6
ARTH	CRCU	Cumacea	Diastylidae	Diastylis sp.									2			1				
ARTH	CRCU	Cumacea	Diastylidae	Diastylis spinulosa																
ARTH	CRCU	Cumacea	Diastylidae	Diastylis biphicatus			6				6				4	8		4		

Abundance data in matrix format, including total taxa (species richness) count per sample, and total abundance

Biologica Sample #		mb18-108-031	mb18-108-032	mb18-108-033	mb18-108-034	mb18-108-035	mb18-108-036	mb18-108-037	mb18-108-038	mb18-108-039	mb18-108-040	mb18-108-041	mb18-108-042	mb18-108-043	mb18-108-044	mb18-108-045	mb18-108-046		
Client Sample #		BM-9	BM-9	BM-9	BM-10	BM-10	BM-10	BM-12	BM-12	BM-12	BR-1	BR-4	BW-1	BW-1	BW-1	BW-2	BW-2		
Replicate		1	2	3	1	2	3	1	2	3	1	1	1	2	3	1	2		
Date Sampled		2018-08-19	2018-08-19	2018-08-19	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-08	2018-08-08	2018-08-13	2018-08-13	2018-08-13	2018-08-13	2018-08-13		
taxcode	grpcode	Order	Family	TaxonName	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance		
ARTH	CRCU	Cumacea	Lampropiidae	Lampropiidae indet.															
ARTH	CRCU	Cumacea	Lampropiidae	Lamprops fuscatus			12	3											
ARTH	CRCU	Cumacea	Leuconidae	Eudorella truncatula			3						32	36	36	18	36		
ARTH	CRCU	Cumacea	Leuconidae	Leucon sp.		2			4	6	7	4		12		18	15		
ARTH	CRCU	Cumacea	Leuconidae	Leuconidae indet.															
ARTH	CRCU	Cumacea	Nannastacidae	Campylaspis rubicunda															
ARTH	CRCU	Cumacea		Cumacea indet.					6										
ARTH	CRDE	Decapoda	Thoridae	Lebbeus polaris															
ARTH	CRDE	Decapoda	Crangonidae	Sabinea septemcarinata															
ARTH	CRDE	Decapoda	Crangonidae	Sabinea sp.															
ARTH	CRDE	Decapoda	Crangonidae	Sclerocrangon boreas															
ARTH	CRDE	Decapoda		Caridea indet.															
ARTH	CRIS	Isopoda	Gnathiidae	Gnathiidae indet.															
ARTH	CRIS	Isopoda	Munnopsidae	Eurycope sp.															
ARTH	CRIS	Isopoda	Paramunnidae	Pleurogonium spinosissimum															
ARTH	CRMY	Mysida		Mysidacea indet.											8	12			
ARTH	CRMY	Mysida	Mysidae	Mysis sp.			1	1						20					
ARTH	CROS	Myodocopida	Philomedidae	Philomedes sp.	146	90	159	5	1	54	110	50	188	180	176	302	180	171	138
ARTH	CRTA	Tanaidacea	Sphyrapodidae	Pseudosphyrapus anomalus	19		3		46	56	19			4					3
ARTH	CRTA	Tanaidacea	Akanthophoreidae	Akanthophoreus sp.		2						80	16		28		6		6
ARTH	CRTA	Tanaidacea	Pseudotanaididae	Pseudotanaid sp.								12	8	4					3
ARTH	CRTA	Tanaidacea	Typhlotanaididae	Typhlotanaid sp.			2				2	40							
ARTH	CRTA	Tanaidacea		Tanaidacea indet.	5									4	1				
ARTH	INCO	Coleoptera	Curculionidae	Curculionidae indet.															
ARTH	INDI	Diptera	Chironomidae	Orthoclaadiinae indet.										4					
ARTH	INDI	Diptera	Chironomidae	Chironomidae indet.															
ECHI	ECEC	Camarodonta	Strongylocentrotidae	Strongylocentrotus droebachiensis	1	1							1	4				2	
ECHI	ECEC	Camarodonta	Strongylocentrotidae	Strongylocentrotus sp.			9												
ECHI	ECHO	Apodida	Myriotrochidae	Myriotrochus rinkii															
ECHI	ECHO	Dendrochirotrida	Psolidae	Psolus phantapus															
ECHI	ECHO	Molpadida		Molpadida indet.									1						
ECHI	ECOP	Ophiurida	Ophiuridae	Ophiocten affinis										4		2			
ECHI	ECOP	Ophiurida	Ophiuridae	Ophiura sarsii	1						4		4		1				
ECHI	ECOP	Ophiurida	Ophiuridae	Ophiura robusta								7							
ECHI	ECOP	Ophiurida	Ophiuridae	Ophiuridae indet.														3	
MISC	BRYO	Cheilostomatida	Candidae	Scrupocellaria sp.															
MISC	BRYO	Cheilostomatida	Calloporidae	Calloporidae indet.															
MISC	BRYO	Cheilostomatida	Myriaporidae	Leieschara sp.															
MISC	BRYO	Ctenostomatida	Alcyoniidae	Alcyonidium sp.				4				1							
MISC	BRYO	Ctenostomatida	Triticellidae	Triticella sp.															
MISC	BRYO	Ctenostomatida		Ctenostomata indet.															
MISC	BRYO	Cyclostomatida	Crisiidae	Crisia sp.															
MISC	BRYO	Cyclostomatida		Cyclostomatida indet.										1					
MISC	BRYO			Bryozoa indet.															
MISC	CNHY	Anthoathecata	Bougainvilliidae	Bougainvilliidae indet.				2			5								
MISC	CNHY	Anthoathecata		Anthoathecata indet.															
MISC	CNHY	Limnomedusae	Olindiidae	Monobrachium parasitum				2	4	11			4	8	2				1
MISC	CNHY			Hydrozoa indet.		2	2	2											
MISC	HEMI			Hemichordata indet.															
MISC	NTEA	Archinemertea	Cephalothricidae	Cephalothrix sp.			3	2	1	6	2	20	4						3
MISC	NTEA	Heteronemertea	Lineidae	Cerebratulus sp.		2	12			2					4	4			2
MISC	NTEA	Heteronemertea	Lineidae	Lineidae indet.						1									
MISC	NTEA	Palaeonemertea	Carinomidae	Carinoma sp.															
MISC	NTEA			Anopla indet.															
MISC	NTEA			Enopla indet.	10	2	12			4	6	2		4	4	4	3		3
MISC	NTEA		Tubulanidae	Tubulanus sp.															
MISC	NTEA			Nemertea indet.															
MISC	PIXX	Scorpaeniformes	Cottidae	Cottidae indet.				1											
MISC	PIXX			Pisces indet.															
MISC	PLTY			Platyhelminthes indet.									1						
MISC	PORI			Calcarea indet.							1								
MISC	PRIA		Priapulidae	Priapulus caudatus															
MISC	PRIA		Priapulidae	Priapulus sp.			3							4					
MISC	SIPN	Golfingiida	Golfingiidae	Golfingia sp.		2													
MISC	URAS	Aplousobranchia		Aplousobranchia indet.															
MISC	URAS	Phlebobranchia	Asciidiidae	Ascidia sp.															
MISC	URAS	Stolidobranchia	Molgulidae	Molgula sp.															
MISC	URAS	Stolidobranchia	Pyuridae	Boltenia echinata															
MISC	URAS	Stolidobranchia	Styelidae	Polycarpa fibrosa															

Abundance data in matrix format, including total taxa (species richness) count per sample, and total abundance

Biologica Sample #		mb18-108-031	mb18-108-032	mb18-108-033	mb18-108-034	mb18-108-035	mb18-108-036	mb18-108-037	mb18-108-038	mb18-108-039	mb18-108-040	mb18-108-041	mb18-108-042	mb18-108-043	mb18-108-044	mb18-108-045	mb18-108-046
Client Sample #		BM-9	BM-9	BM-9	BM-10	BM-10	BM-10	BM-12	BM-12	BM-12	BR-1	BR-4	BW-1	BW-1	BW-1	BW-2	BW-2
Replicate		1	2	3	1	2	3	1	2	3	1	1	1	2	3	1	2
Date Sampled		2018-08-19	2018-08-19	2018-08-19	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-08	2018-08-08	2018-08-13	2018-08-13	2018-08-13	2018-08-13	2018-08-13
taxcode	grpcode	Order	Family	TaxonName	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance
MISC	URAS	Stolidobranchia	Styelidae	Styelidae indet.													
MOLL	MOAP	Chaetodermatida	Chaetodermatidae	Chaetoderma sp.	2												
MOLL	MOAP			Aplacophora indet.													
MOLL	MOBI	Adapedonta	Hiatellidae	Hiatella arctica	11	21	7	1	2		1	1		1	17	8	21
MOLL	MOBI	Anomalodesmata	Cuspidariidae	Cuspidaria sp.													
MOLL	MOBI	Anomalodesmata	Lyonsiidae	Lyonsia arenosa									4				
MOLL	MOBI	Anomalodesmata	Thraciidae	Thracia myopsis													
MOLL	MOBI	Anomalodesmata	Thraciidae	Thracia sp.													
MOLL	MOBI	Arcida	Arcidae	Bathyarca glacialis													
MOLL	MOBI	Carditoida	Astartidae	Astarte borealis	6	5	15	6	2		5	7	42	5	29	41	36
MOLL	MOBI	Carditoida	Astartidae	Astarte montagui	6	23		10			15	18	40	20	7	87	64
MOLL	MOBI	Carditoida	Astartidae	Astarte sp.		8				22	6	9	16	1	16	56	32
MOLL	MOBI	Lucinida	Thyasiridae	Axinopsida sp.	2	10				2					1	4	6
MOLL	MOBI	Lucinida	Thyasiridae	Thyasira sp.		6	36				12	5	16	4	20	16	3
MOLL	MOBI	Lucinida	Thyasiridae	Thyasiridae indet.	5	4	6							4	28	24	20
MOLL	MOBI	Myida	Myidae	Mya sp.	2			1			1	6		2		12	3
MOLL	MOBI	Myida	Myidae	Mya truncata		3	13		2				4	1	8	16	9
MOLL	MOBI	Mytilida	Mytilidae	Dacrydium vitreum												21	3
MOLL	MOBI	Mytilida	Mytilidae	Crenella faba													
MOLL	MOBI	Mytiloida	Mytilidae	Musculus discors		2							5	1	1		
MOLL	MOBI	Mytiloida	Mytilidae	Mytilidae indet.													
MOLL	MOBI	Nuculanida	Nuculanidae	Nuculana minuta	2	9	8	4		1	8	3	5	3	6	22	48
MOLL	MOBI	Nuculanida	Nuculanidae	Nuculana pernula										1	4		
MOLL	MOBI	Nuculanida	Nuculanidae	Nuculana sp.						12				1	12	16	
MOLL	MOBI	Nuculanida		Nuculanoidea indet.				2			2	2			12	12	
MOLL	MOBI	Nuculanoida	Yoldiidae	Portlandia intermedia													
MOLL	MOBI	Nuculanoida	Yoldiidae	Yoldiella frigida													
MOLL	MOBI	Nuculanoida	Yoldiidae	Yoldiella lenticula													
MOLL	MOBI	Nuculanoida	Yoldiidae	Yoldiidae indet.	2	2							4		8		
MOLL	MOBI	Nuculida	Nuculidae	Ennucula tenuis	14	3	15			18	22	12	4		20	9	6
MOLL	MOBI	Pectinida	Pectinidae	Chlamys islandica		2											
MOLL	MOBI	Pectinida	Propeamussiidae	Similipecten greenlandicus			1			1	7	16			1		1
MOLL	MOBI	Pectinoida	Pectinidae	Pectinidae indet.		2											
MOLL	MOBI	Pectinoida	Propeamussiidae	Propeamussiidae indet.												4	4
MOLL	MOBI	Veneroida	Cardiidae	Ciliatocardium ciliatum		1	1	1						2	7		1
MOLL	MOBI	Veneroida	Cardiidae	Serripes groenlandicus	5		1	1					2	1	10	27	12
MOLL	MOBI	Veneroida	Tellinidae	Macoma balthica			1										
MOLL	MOBI	Veneroida	Tellinidae	Macoma calcarea	5	7	1			2		6	2	5	4	4	3
MOLL	MOBI	Veneroida	Tellinidae	Macoma moesta						1	2			2			2
MOLL	MOBI	Veneroida	Tellinidae	Macoma sp.	7	21	9			8	2	2	48	5	28	52	20
MOLL	MOBI		Periplomatidae	Periploma aleuticum	1		1								4		1
MOLL	MOBI			Bivalvia indet.	10	4	6			4	2		8	2	12	16	8
MOLL	MOGA	Cephalaspidea	Cylichnidae	Cylichna alba			1										1
MOLL	MOGA	Cephalaspidea	Cylichnidae	Cylichna sp.			3										
MOLL	MOGA	Cephalaspidea	Cylichnidae	Cylichnidae indet.											4		
MOLL	MOGA	Cephalaspidea	Cylichnidae	Cylichnoides occultus													
MOLL	MOGA	Cephalaspidea		Cephalaspidea indet.		6	3						2	1	12		3
MOLL	MOGA	Littorinimorpha	Capulidae	Ariadnaria borealis								5			4		
MOLL	MOGA	Littorinimorpha	Naticidae	Cryptonatica affinis										8			
MOLL	MOGA	Littorinimorpha	Naticidae	Euspira pallida			2										
MOLL	MOGA	Littorinimorpha	Naticidae	Naticidae indet.											4		
MOLL	MOGA	Littorinimorpha	Rissoidae	Boreocingula castanea		4				2			4		4		
MOLL	MOGA	Littorinimorpha	Velutinidae	Velutinidae indet.													
MOLL	MOGA	Littorinimorpha	Rissoidae	Rissoidae indet.	10									2	16		4
MOLL	MOGA	Neogastropoda	Buccinidae	Buccinidae indet.											4		
MOLL	MOGA	Neogastropoda	Buccinidae	Buccinum hydrophanum													1
MOLL	MOGA	Neogastropoda	Buccinidae	Colus sp.													
MOLL	MOGA	Neogastropoda	Columbellidae	Columbellidae indet.													
MOLL	MOGA	Neogastropoda	Cancellariidae	Admete viridula													
MOLL	MOGA	Neogastropoda	Mangeliidae	Mangeliidae indet.		2											
MOLL	MOGA	Neogastropoda	Mangeliidae	Oenopota sp.													
MOLL	MOGA	Trochida	Colloniidae	Moelleria costulata													
MOLL	MOGA	Trochida	Margaritidae	Margarites groenlandicus								1					
MOLL	MOGA	Trochida	Margaritidae	Margarites helacinus											4		1
MOLL	MOGA	Trochida	Margaritidae	Margarites olivaceus													
MOLL	MOGA	Trochida	Margaritidae	Margarites sp.		2						3					
MOLL	MOGA		Buccinidae	Volutopsis norwegicus													
MOLL	MOGA		Lepetidae	Lepeta caeca	7					3	2	5	1				
MOLL	MOGA		Lottiidae	Lottiidae indet.									2	1			

Abundance data in matrix format, including total taxa (species richness) count per sample, and total abundance

Biologica Sample #		mb18-108-031	mb18-108-032	mb18-108-033	mb18-108-034	mb18-108-035	mb18-108-036	mb18-108-037	mb18-108-038	mb18-108-039	mb18-108-040	mb18-108-041	mb18-108-042	mb18-108-043	mb18-108-044	mb18-108-045	mb18-108-046
Client Sample #		BM-9	BM-9	BM-9	BM-10	BM-10	BM-10	BM-12	BM-12	BM-12	BR-1	BR-4	BW-1	BW-1	BW-1	BW-2	BW-2
Replicate		1	2	3	1	2	3	1	2	3	1	1	1	2	3	1	2
Date Sampled		2018-08-19	2018-08-19	2018-08-19	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-17	2018-08-08	2018-08-08	2018-08-13	2018-08-13	2018-08-13	2018-08-13	2018-08-13
taxcode	grprcode	Order	Family	TaxonName	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance
MOLL	MOGA		Lottiidae	Testudinalia testudinalis													
MOLL	MOGA		Trochidae	Trochidae indet.													
MOLL	MOGA			Gastropoda indet.			3										
MOLL	MOPO	Chitonida	Tonicellidae	Tonicella marmorea													
MOLL	MOSC	Gadilida	Gadilidae	Gadilidae indet.													
				Total Abundance	1,035	977	1,089	144	111	69	917	892	688	1,641	607	1,890	2,372
				Total Unique Taxa (Species Richness)	63	68	62	41	26	16	66	56	67	60	65	61	45
				No. composite grabs	3	4	4	4	4	2	2	3	2	6	6	3	5
				Total Density (Organisms/m²)	15330	10856	12100	1600	1233	1533	20378	13215	15292	12156	4493	28000	21084

Incidental Organisms:

MEMO	MEMO			Calanoida indet. (planktonic)													
MEMO	MEMO			Chatognatha indet. (planktonic)													
MEMO	MEMO			Copepoda indet. (parasitic)								5		16		4	
MEMO	MEMO			Desmosoma sp. (planktonic)									5				
MEMO	MEMO			Egg/egg mass		2	9			44	38	64	22	108	92	32	42
MEMO	MEMO			Hyperiididae indet. (planktonic)						6							
MEMO	MEMO			Insecta indet. (terrestrial)								2					
MEMO	MEMO			Nematoda indet.	36	70	87	5	1	8	44	34	111	156	79	276	372
MEMO	MEMO			Hyperiididae indet. (planktonic)						1							

Abundance data in matrix format, including total taxa (species richness) count per sample, and total abundance

Biologica Sample #					mb18-108-047	mb18-108-048	mb18-108-049	mb18-108-050	mb18-108-051	mb18-108-052	mb18-108-053	mb18-108-054	mb18-108-055	mb18-108-056	mb18-108-057	mb18-108-058	mb18-108-059	mb18-108-060	mb18-108-061	mb18-108-062	
Client Sample #					BW-2	BW-3	BW-3	BW-3	BW-4	BW-4	BW-4	BW-5	BW-5	BW-5	SN-1	SN-1	SN-1	SN-2	SN-2	SN-2	
Replicate					3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
Date Sampled					2018-08-13	2018-08-14	2018-08-14	2018-08-14	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19	
taxcode	grpcode	Order	Family	TaxonName	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	
ANNE	ANHI	Rhynchobdellida	Piscicolidae	Hirudinea indet.																	
ANNE	ANOL	Enchytraeida	Enchytraeidae	Enchytraeidae indet.						3		24	2	15							
ANNE	EURA	Echiuroidea	Echiuridae	Echiurus echiurus																	
ANNE	POER	Eunicida	Dorvilleidae	Dorvilleidae indet.									1				1				
ANNE	POER	Eunicida	Dorvilleidae	Parougia caeca											1		1	3	3		4
ANNE	POER	Eunicida	Lumbrineridae	Lumbrineridae indet.											4	1					11
ANNE	POER	Eunicida	Lumbrineridae	Lumbrineris sp.																	5
ANNE	POER	Eunicida	Lumbrineridae	Scoletoma fragilis		2	5	3							7	4	23	13	18		24
ANNE	POER	Eunicida	Lumbrineridae	Scoletoma impatiens	22	6	10	8													
ANNE	POER	Eunicida	Lumbrineridae	Scoletoma sp.												5		4	9		
ANNE	POER	Eunicida	Onuphidae	Nothria conchylega													1	4			6
ANNE	POER	Phyllodocida	Glyceridae	Glycera capitata																	
ANNE	POER	Phyllodocida	Glyceridae	Glycera sp.																	
ANNE	POER	Phyllodocida	Hesionidae	Micropthalmus sp.																	
ANNE	POER	Phyllodocida	Hesionidae	Gyptis sp.																	
ANNE	POER	Phyllodocida	Hesionidae	Nereimyra punctata	66	24	14	28	48	9	24	109	136	7			3				1
ANNE	POER	Phyllodocida	Nephtyidae	Aglaophamus sp.																	
ANNE	POER	Phyllodocida	Nephtyidae	Bipalponephtys cornuta	38	62	46	54	4	5	24	5			9	8	13	11	9		20
ANNE	POER	Phyllodocida	Nephtyidae	Nephtys bucera																	
ANNE	POER	Phyllodocida	Nephtyidae	Nephtys ciliata	1										1				1		
ANNE	POER	Phyllodocida	Nephtyidae	Nephtys sp.																	
ANNE	POER	Phyllodocida	Nereididae	Nereis zonata	6	3		2													
ANNE	POER	Phyllodocida	Nereididae	Nereididae indet.																	
ANNE	POER	Phyllodocida	Pholoidae	Pholoe minuta	53	20	31	16	28	11	64	14	4	5			1				2
ANNE	POER	Phyllodocida	Pholoidae	Pholoe sp.	154	126	67	66				2									
ANNE	POER	Phyllodocida	Pholoidae	Pholoe tecta	194	72	96	139	58	38	137	10	5	2	24	8	15	19	15		13
ANNE	POER	Phyllodocida	Phyllodocidae	Eteone barbata																	
ANNE	POER	Phyllodocida	Phyllodocidae	Eteone longa complex		2						1	1	4		3		1	2		1
ANNE	POER	Phyllodocida	Phyllodocidae	Eteone sp.	4	4	5	2	2		5	3	8	3	1			4	8		5
ANNE	POER	Phyllodocida	Phyllodocidae	Eulalia sp.											1						
ANNE	POER	Phyllodocida	Phyllodocidae	Phyllodoce groenlandica									2								
ANNE	POER	Phyllodocida	Phyllodocidae	Phyllodoce sp.	2		2														
ANNE	POER	Phyllodocida	Phyllodocidae	Eteone flava																	
ANNE	POER	Phyllodocida	Phyllodocidae	Hypereteone sp.																	
ANNE	POER	Phyllodocida	Polynoidae	Gattyana cirrhosa	3	1			1												
ANNE	POER	Phyllodocida	Polynoidae	Harmothoe extenuata	2																
ANNE	POER	Phyllodocida	Polynoidae	Harmothoe imbricata								1	3								
ANNE	POER	Phyllodocida	Polynoidae	Harmothoe sp.	2		2				2		2								
ANNE	POER	Phyllodocida	Polynoidae	Melaenis loveni																	
ANNE	POER	Phyllodocida	Polynoidae	Bylgides sarsi																	
ANNE	POER	Phyllodocida	Polynoidae	Bylgides sp.																	
ANNE	POER	Phyllodocida	Polynoidae	Hartmania moorei																	1
ANNE	POER	Phyllodocida	Polynoidae	Polynoidae indet.							2				3		1	5			
ANNE	POER	Phyllodocida	Sphaerodoridae	Sphaerodoropsis minuta			2														
ANNE	POER	Phyllodocida	Sphaerodoridae	Sphaerodoropsis sp.												1	1	1	2		
ANNE	POER	Phyllodocida	Syllidae	Syllides longocirratu													1	3	2		1
ANNE	POER	Phyllodocida	Syllidae	Syllides sp.																	
ANNE	POER	Phyllodocida	Syllidae	Eusyllinae indet.				2													
ANNE	POER	Phyllodocida	Syllidae	Eusyllis sp.																	
ANNE	POER	Phyllodocida	Syllidae	Pionosyllis sp.																	
ANNE	POER	Phyllodocida	Syllidae	Exogone verugera																	
ANNE	POER	Phyllodocida	Syllidae	Parexogone hebes	2													1	6		2
ANNE	POSE	Sabellida	Fabriciidae	Pseudofabricia sp. nr. aberrans														5	9		5
ANNE	POSE	Sabellida	Oweniidae	Galathowenia oculata	2	2										16	3	9	23	18	12
ANNE	POSE	Sabellida	Oweniidae	Myriochele heeri											1	1	4	3	2		1
ANNE	POSE	Sabellida	Oweniidae	Owenia fusiformis		6	23					1			3	2					
ANNE	POSE	Sabellida	Oweniidae	Oweniidae indet.																	
ANNE	POSE	Sabellida	Sabellidae	Euchone incolor	44	26	22	15	60	8	79	7				5					
ANNE	POSE	Sabellida	Sabellidae	Euchone sp.																	
ANNE	POSE	Sabellida	Sabellidae	Bispira sp.																	
ANNE	POSE	Sabellida	Sabellidae	Chone duneri																	
ANNE	POSE	Sabellida	Sabellidae	Dialychone sp.																	3
ANNE	POSE	Sabellida	Sabellidae	Dialychone sp. 1	2		12	2			5	1			3	1	1		2		
ANNE	POSE	Sabellida	Sabellidae	Euchone rubrocincta			2					1									
ANNE	POSE	Sabellida	Sabellidae	Sabellidae indet.	4		12						2								1
ANNE	POSE	Sabellida	Sabellidae	Sabellidae sp. 2																	
ANNE	POSE	Sabellida	Sabellidae	Sabellidae sp. 3	2	2			9		2	14					1	1			2
ANNE	POSE	Sabellida	Sabellidae	Sabellidae sp. 4																	
ANNE	POSE	Sabellida	Serpulidae	Pileolaria sp.																	

Abundance data in matrix format, including total taxa (species richness) count per sample, and total abundance

Biologica Sample #		mb18-108-047	mb18-108-048	mb18-108-049	mb18-108-050	mb18-108-051	mb18-108-052	mb18-108-053	mb18-108-054	mb18-108-055	mb18-108-056	mb18-108-057	mb18-108-058	mb18-108-059	mb18-108-060	mb18-108-061	mb18-108-062
Client Sample #		BW-2	BW-3	BW-3	BW-3	BW-4	BW-4	BW-4	BW-5	BW-5	BW-5	SN-1	SN-1	SN-1	SN-2	SN-2	SN-2
Replicate		3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Date Sampled		2018-08-13	2018-08-14	2018-08-14	2018-08-14	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19
taxcode	grpcode	Order	Family	TaxonName	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance
ANNE	POSE	Sabellida	Serpulidae	Spirorbinae indet.													
ANNE	POSE	Spionida	Apistobranchidae	Apistobranchus sp.		2		2									
ANNE	POSE	Spionida	Spionidae	Dipolydora caulleryi											1		
ANNE	POSE	Spionida	Spionidae	Dipolydora concharum													
ANNE	POSE	Spionida	Spionidae	Dipolydora quadrilobata						8							
ANNE	POSE	Spionida	Spionidae	Dipolydora socialis													
ANNE	POSE	Spionida	Spionidae	Dipolydora sp.													
ANNE	POSE	Spionida	Spionidae	Laonice cirrata													
ANNE	POSE	Spionida	Spionidae	Marenzelleria sp.				102	16		11	50	11				
ANNE	POSE	Spionida	Spionidae	Polydora sp. complex													
ANNE	POSE	Spionida	Spionidae	Prionospio (Prionospio) sp.	2				3								6
ANNE	POSE	Spionida	Spionidae	Prionospio (Prionospio) steenstrupi		60	14	12	22	16	104	8		73	34	74	39
ANNE	POSE	Spionida	Spionidae	Prionospio cirrifer								1					62
ANNE	POSE	Spionida	Spionidae	Prionospio sp.	2	8	7	4					7		5		9
ANNE	POSE	Spionida	Spionidae	Pygospio sp.	3	14	7	4	10	2	5						
ANNE	POSE	Spionida	Spionidae	Scolecopsis sp.					4			11	1	9			
ANNE	POSE	Spionida	Spionidae	Spio filicornis	4			2	4			1	1				
ANNE	POSE	Spionida	Spionidae	Spio sp.						1							
ANNE	POSE	Spionida	Spionidae	Spionidae indet.													
ANNE	POSE	Terebellida	Ampharetidae	Ampharete sp.	2	12	1		2	2	8						
ANNE	POSE	Terebellida	Ampharetidae	Lysippe labiata													
ANNE	POSE	Terebellida	Ampharetidae	Melinna elisabethae									5		6	7	1
ANNE	POSE	Terebellida	Ampharetidae	Melinna sp.													2
ANNE	POSE	Terebellida	Ampharetidae	Ampharete vega						5			3				
ANNE	POSE	Terebellida	Ampharetidae	Ampharetidae indet.			2	4	6	2	2					3	
ANNE	POSE	Terebellida	Ampharetidae	Amphicteis sundevalli			1	1									
ANNE	POSE	Terebellida	Cirratulidae	Aphelocheata sp.	8					1				16			
ANNE	POSE	Terebellida	Cirratulidae	Chaetozone bathyala	27	64	127	101	14	4	7	2		21	8	21	9
ANNE	POSE	Terebellida	Cirratulidae	Chaetozone careyi					12	1		6		8			
ANNE	POSE	Terebellida	Cirratulidae	Chaetozone pigmentata	6	4											
ANNE	POSE	Terebellida	Cirratulidae	Chaetozone setosa complex							2			25	20	46	9
ANNE	POSE	Terebellida	Cirratulidae	Chaetozone sp.	8	18	26	16	16	3	12	8		23	20	24	16
ANNE	POSE	Terebellida	Cirratulidae	Cirratulidae indet.	8		10	10			17			7	1	23	3
ANNE	POSE	Terebellida	Cirratulidae	Kirkegaardia sp.													
ANNE	POSE	Terebellida	Cirratulidae	Tharyx sp.									8	13	5	23	13
ANNE	POSE	Terebellida	Flabelligeridae	Diplocirrus hirsutus													1
ANNE	POSE	Terebellida	Pectinariidae	Cistenides granulata	11	2	9	1	23	3	10	40	6	16	1		
ANNE	POSE	Terebellida	Terebellidae	Polycirrus sp. complex		2									1	1	2
ANNE	POSE	Terebellida	Terebellidae	Lanassa venusta venusta													
ANNE	POSE	Terebellida	Terebellidae	Laphania boeckii	2											1	
ANNE	POSE	Terebellida	Terebellidae	Leaena abbranchiata													
ANNE	POSE	Terebellida	Terebellidae	Pista maculata	5	1		1									
ANNE	POSE	Terebellida	Terebellidae	Proclea graffi													
ANNE	POSE	Terebellida	Terebellidae	Proclea sp.													
ANNE	POSE	Terebellida	Terebellidae	Amaeana sp.													
ANNE	POSE	Terebellida	Terebellidae	Neoamphitrite affinis													
ANNE	POSE	Terebellida	Terebellidae	Terebellidae indet.		2				1	2						
ANNE	POSE	Terebellida	Trichobranchidae	Terebellides sp.	6	5	8				1				1	3	3
ANNE	POSE	Terebellida	Trichobranchidae	Trichobranchus glacialis													2
ANNE	POSE		Capitellidae	Capitella capitata complex				2				2					
ANNE	POSE		Capitellidae	Mediomastus sp.	14	6	10	4	66	8	24	44	10	24	3	3	4
ANNE	POSE		Capitellidae	Notomastus latericeus													13
ANNE	POSE		Cossuridae	Cossura sp.	28	6	24	50	2		29			28	36	9	17
ANNE	POSE		Maldanidae	Clymenura sp.													17
ANNE	POSE		Maldanidae	Euclymene sp.													7
ANNE	POSE		Maldanidae	Euclymeninae indet.				2									
ANNE	POSE		Maldanidae	Microclymene sp.													5
ANNE	POSE		Maldanidae	Praxillella gracilis													2
ANNE	POSE		Maldanidae	Praxillella praetermissa													
ANNE	POSE		Maldanidae	Maldane sarsi	20			4				1			1	5	2
ANNE	POSE		Maldanidae	Nicomache sp.													4
ANNE	POSE		Maldanidae	Rhodine loveni													18
ANNE	POSE		Maldanidae	Maldanidae indet.												1	2
ANNE	POSE		Opheliidae	Ophelina acuminata		2	1										1
ANNE	POSE		Opheliidae	Ophelina cylindricaudata													
ANNE	POSE		Opheliidae	Ophelina sp.				2									
ANNE	POSE		Orbiniidae	Leitoscoloplos sp.													
ANNE	POSE		Orbiniidae	Orbiniidae indet.													
ANNE	POSE		Orbiniidae	Scoloplos acutus		6	1								4	5	3

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Biologica Sample #					mb18-108-047	mb18-108-048	mb18-108-049	mb18-108-050	mb18-108-051	mb18-108-052	mb18-108-053	mb18-108-054	mb18-108-055	mb18-108-056	mb18-108-057	mb18-108-058	mb18-108-059	mb18-108-060	mb18-108-061	mb18-108-062
Client Sample #					BW-2	BW-3	BW-3	BW-3	BW-4	BW-4	BW-4	BW-5	BW-5	BW-5	SN-1	SN-1	SN-1	SN-2	SN-2	SN-2
Replicate					3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Date Sampled					2018-08-13	2018-08-14	2018-08-14	2018-08-14	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19
taxcode	grpcode	Order	Family	TaxonName	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance
ANNE	POSE		Orbiniidae	Scoloplos armiger		1		2												
ANNE	POSE		Orbiniidae	Scoloplos sp.	2			4	2	1	7				3		3		2	2
ANNE	POSE		Paraonidae	Aricidea catherinae			2	2												
ANNE	POSE		Paraonidae	Aricidea hartmanae	4										4	4	5	5	3	
ANNE	POSE		Paraonidae	Aricidea minuta	17	4	5	4												
ANNE	POSE		Paraonidae	Aricidea nolani		2	2	2							5	5	8	1	5	1
ANNE	POSE		Paraonidae	Aricidea sp.								1								
ANNE	POSE		Paraonidae	Paraonidae indet.											3	1		1	3	1
ANNE	POSE		Sabelliidae	Branchiomma sp.																
ANNE	POSE		Scalibregmatidae	Polyphysia crassa																
ANNE	POSE		Scalibregmatidae	Scalibregma inflatum		10	17	20	4	1	7	25			4	2	3	4	6	1
ANNE	POXX		Protodrilidae	Protodrilus sp.																
ARTH	CHAR	Acarina	Halacaridae	Halacaridae indet.																
ARTH	CHPY	Pantopoda	Nymphonidae	Nymphon sp.													1			
ARTH	CRAM	Amphipoda	Phoxocephalidae	Harpinia serrata																
ARTH	CRAM	Amphipoda	Phoxocephalidae	Harpinia sp.																
ARTH	CRAM	Amphipoda	Ampeliscidae	Ampeliscidae indet.																
ARTH	CRAM	Amphipoda	Ampeliscidae	Byblis sp.																1
ARTH	CRAM	Amphipoda	Amphilochoidea	Amphilochochus sp.																
ARTH	CRAM	Amphipoda	Calliopidae	Calliopidae indet.																
ARTH	CRAM	Amphipoda	Podoceridae	Dyopedos sp.																
ARTH	CRAM	Amphipoda	Corophiidae	Corophiidae indet.					10											2
ARTH	CRAM	Amphipoda	Corophiidae	Monocorophium sp.									2							
ARTH	CRAM	Amphipoda	Dexaminidae	Dexaminidae indet.																
ARTH	CRAM	Amphipoda	Gammaridae	Gammarus sp.						3		1								
ARTH	CRAM	Amphipoda	Opisidae	Opisa sp.																
ARTH	CRAM	Amphipoda	Tryphosidae	Gronella groenlandica									4							
ARTH	CRAM	Amphipoda	Tryphosidae	Hippomedon sp.																
ARTH	CRAM	Amphipoda	Tryphosidae	Orchomena sp.								2	1	1					1	
ARTH	CRAM	Amphipoda	Tryphosidae	Orchomenella minuta																
ARTH	CRAM	Amphipoda	Tryphosidae	Orchomenella pinguis																
ARTH	CRAM	Amphipoda	Tryphosidae	Tryphosidae indet.	2		5													1
ARTH	CRAM	Amphipoda	Uristidae	Anonyx sarsi				2												
ARTH	CRAM	Amphipoda	Uristidae	Anonyx sp.	2															
ARTH	CRAM	Amphipoda	Uristidae	Onisimus barentsi group																
ARTH	CRAM	Amphipoda	Uristidae	Onisimus brevicaudatus																
ARTH	CRAM	Amphipoda	Uristidae	Onisimus sp.					2						1				2	2
ARTH	CRAM	Amphipoda		Lysianassoidea indet.																
ARTH	CRAM	Amphipoda	Oedicerotidae	Arrhis sp.																
ARTH	CRAM	Amphipoda	Oedicerotidae	Monoculopsis sp.	6			2	10			5	27	4						
ARTH	CRAM	Amphipoda	Pontoporeiidae	Pontoporeia femorata																
ARTH	CRAM	Amphipoda	Ampeliscidae	Ampelisca eschrichtii																
ARTH	CRAM	Amphipoda	Ampeliscidae	Haploops tubicola																1
ARTH	CRAM	Amphipoda	Atylidae	Atylus carinatus																
ARTH	CRAM	Amphipoda	Corophiidae	Crassicorophium bonellii					6											
ARTH	CRAM	Amphipoda	Dexaminidae	Guernea nordenskioldi	16	52	22	38							1	1	3	1	2	
ARTH	CRAM	Amphipoda	Eusiridae	Rhachotropis helleri																
ARTH	CRAM	Amphipoda	Oedicerotidae	Aceroides sp.																
ARTH	CRAM	Amphipoda	Oedicerotidae	Monoculodes sp.			2			1	7		2	1						
ARTH	CRAM	Amphipoda	Oedicerotidae	Oedicerotidae indet.	2	4		2			10		2							
ARTH	CRAM	Amphipoda	Oedicerotidae	Paroediceros lynceus	2	4		6	16	2	3	5	15							
ARTH	CRAM	Amphipoda	Oedicerotidae	Rostroculodes sp.		4		4	6											
ARTH	CRAM	Amphipoda	Oedicerotidae	Westwoodilla sp.			5	4												
ARTH	CRAM	Amphipoda	Pontoporeiidae	Monoporeia affinis					10	123		3	52	31						5
ARTH	CRAM	Amphipoda	Stenothoidae	Stenothoidae indet.						1										
ARTH	CRAM	Amphipoda		Amphipoda indet.							2									
ARTH	CRCI	Sessilia		Balanomorpha indet.	2	2		8		24	26	3			3					
ARTH	CRCO	Cyclopoida		Cyclopoida indet.	32	10	55	32	60	32	17	39	39	16	7	3	11	5	2	4
ARTH	CRCO	Harpacticoida		Harpacticoida indet.	4		7	2	24			2		1			3	1		
ARTH	CRCU	Cumacea	Diastylidae	Brachydiastylis resima	6		2	2												
ARTH	CRCU	Cumacea	Diastylidae	Diastylidae indet.																
ARTH	CRCU	Cumacea	Diastylidae	Diastylis bradyi																
ARTH	CRCU	Cumacea	Diastylidae	Diastylis goodsiri																3
ARTH	CRCU	Cumacea	Diastylidae	Diastylis lucifera		2		2				1								1
ARTH	CRCU	Cumacea	Diastylidae	Diastylis rathkei	2			2			2									
ARTH	CRCU	Cumacea	Diastylidae	Diastylis scorpioides		40	2	8							3	2	1			
ARTH	CRCU	Cumacea	Diastylidae	Diastylis sp.				8												
ARTH	CRCU	Cumacea	Diastylidae	Diastylis spinulosa															1	2
ARTH	CRCU	Cumacea	Diastylidae	Diastylis bicipitatus		18	29													

Abundance data in matrix format, including total taxa (species richness) count per sample, and total abundance

Biologica Sample #		mb18-108-047	mb18-108-048	mb18-108-049	mb18-108-050	mb18-108-051	mb18-108-052	mb18-108-053	mb18-108-054	mb18-108-055	mb18-108-056	mb18-108-057	mb18-108-058	mb18-108-059	mb18-108-060	mb18-108-061	mb18-108-062
Client Sample #		BW-2	BW-3	BW-3	BW-3	BW-4	BW-4	BW-4	BW-5	BW-5	BW-5	SN-1	SN-1	SN-1	SN-2	SN-2	SN-2
Replicate		3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Date Sampled		2018-08-13	2018-08-14	2018-08-14	2018-08-14	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19
taxcode	grpcode	Order	Family	TaxonName	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance
ARTH	CRCU	Cumacea	Lampropiidae	Lampropiidae indet.													
ARTH	CRCU	Cumacea	Lampropiidae	Lamprops fuscatus	12	42	31	26	44	12	36						
ARTH	CRCU	Cumacea	Leuconidae	Eudorella truncatula		6		2				7		5	1		1
ARTH	CRCU	Cumacea	Leuconidae	Leucon sp.	6	16	19	30						3		3	2
ARTH	CRCU	Cumacea	Leuconidae	Leuconidae indet.													
ARTH	CRCU	Cumacea	Nannastacidae	Campylaspis rubicunda													
ARTH	CRCU	Cumacea		Cumacea indet.		2	2										
ARTH	CRDE	Decapoda	Thoridae	Lebbeus polaris													
ARTH	CRDE	Decapoda	Crangonidae	Sabinea septemcarinata													
ARTH	CRDE	Decapoda	Crangonidae	Sabinea sp.					1								
ARTH	CRDE	Decapoda	Crangonidae	Sclerocrangon boreas													
ARTH	CRDE	Decapoda		Caridea indet.													
ARTH	CRIS	Isopoda	Gnathiidae	Gnathiidae indet.		2	2					1					5
ARTH	CRIS	Isopoda	Munnopsidae	Eurycope sp.													
ARTH	CRIS	Isopoda	Paramunnidae	Pleurogonium spinosissimum									1				
ARTH	CRMY	Mysida		Mysidacea indet.				2		1							
ARTH	CRMY	Mysida	Mysidae	Mysis sp.			5	2			1	1	7				
ARTH	CROS	Myodocopida	Philomedidae	Philomedes sp.	176	90	43	94	4					88	33	75	95
ARTH	CRTA	Tanaidacea	Sphyrapodidae	Pseudosphyrapus anomalus										41	28	52	37
ARTH	CRTA	Tanaidacea	Akanthophoreidae	Akanthophoreus sp.	10		5	6	6					1		1	
ARTH	CRTA	Tanaidacea	Pseudotanaididae	Pseudotanaid sp.	4		2	4						3	1	1	
ARTH	CRTA	Tanaidacea	Typhlotanaididae	Typhlotanaid sp.		4											
ARTH	CRTA	Tanaidacea		Tanaidacea indet.									3			7	6
ARTH	INCO	Coleoptera	Curculionidae	Curculionidae indet.													
ARTH	INDI	Diptera	Chironomidae	Orthoclaadiinae indet.					2								
ARTH	INDI	Diptera	Chironomidae	Chironomidae indet.									1				
ECHI	ECEC	Camarodonta	Strongylocentrotidae	Strongylocentrotus droebachiensis													
ECHI	ECEC	Camarodonta	Strongylocentrotidae	Strongylocentrotus sp.													
ECHI	ECHO	Apodida	Myriotrochidae	Myriotrochus rinkii			2	2		8	3						
ECHI	ECHO	Dendrochirotrida	Psolidae	Psolus phantapus				2									
ECHI	ECHO	Molpadida		Molpadida indet.									1				
ECHI	ECOP	Ophiurida	Ophiuridae	Ophiocten affinis	1											4	2
ECHI	ECOP	Ophiurida	Ophiuridae	Ophiura sarsii											1		
ECHI	ECOP	Ophiurida	Ophiuridae	Ophiura robusta									1				2
ECHI	ECOP	Ophiurida	Ophiuridae	Ophiuridae indet.		2	2									3	2
MISC	BRYO	Cheilostomatida	Candidae	Scrupocellaria sp.													
MISC	BRYO	Cheilostomatida	Calloporidae	Calloporidae indet.													
MISC	BRYO	Cheilostomatida	Myriaporidae	Leieschara sp.													
MISC	BRYO	Ctenostomatida	Alcyoniidae	Alcyonidium sp.									3		1		
MISC	BRYO	Ctenostomatida	Triticellidae	Triticella sp.													
MISC	BRYO	Ctenostomatida		Ctenostomata indet.													
MISC	BRYO	Cyclostomatida	Crisiidae	Crisia sp.													
MISC	BRYO	Cyclostomatida		Cyclostomatida indet.													
MISC	BRYO			Bryozoa indet.													
MISC	CNHY	Anthoathecata	Bougainvilliidae	Bougainvilliidae indet.					2	1		2					
MISC	CNHY	Anthoathecata		Anthoathecata indet.					2								
MISC	CNHY	Limnomedusae	Olindiidae	Monobrachium parasitum		9	6	18	4	20			1		5	2	2
MISC	CNHY			Hydrozoa indet.				2	1	7							
MISC	HEMI			Hemichordata indet.													
MISC	NTEA	Archinemertea	Cephalothricidae	Cephalothrix sp.	2			2	3	5			3		4	3	
MISC	NTEA	Heteronemertea	Lineidae	Cerebratulus sp.	2		2	2	2	5		1	2		11	2	1
MISC	NTEA	Heteronemertea	Lineidae	Lineidae indet.													
MISC	NTEA	Palaeonemertea	Carinomidae	Carinoma sp.							1						
MISC	NTEA			Anopla indet.													
MISC	NTEA			Enopla indet.	1	4	8	1	3	1	5	4	2	3	1	1	2
MISC	NTEA		Tubulanidae	Tubulanus sp.													
MISC	NTEA			Nemertea indet.													
MISC	PIXX	Scorpaeniformes	Cottidae	Cottidae indet.													
MISC	PIXX			Pisces indet.													
MISC	PLTY			Platyhelminthes indet.													
MISC	PORI			Calcarea indet.													
MISC	PRIA		Priapulidae	Priapulus caudatus				4									
MISC	PRIA		Priapulidae	Priapulus sp.						7							
MISC	SIPN	Golfingiida	Golfingiidae	Golfingia sp.											1	2	
MISC	URAS	Aplousobranchia		Aplousobranchia indet.													
MISC	URAS	Phlebobranchia	Asciidiidae	Ascidia sp.													
MISC	URAS	Stolidobranchia	Molgulidae	Molgula sp.				2									
MISC	URAS	Stolidobranchia	Pyuridae	Boltenia echinata													
MISC	URAS	Stolidobranchia	Styelidae	Polycarpa fibrosa													

Abundance data in matrix format, including total taxa (species richness) count per sample, and total abundance

Biologica Sample #		mb18-108-047	mb18-108-048	mb18-108-049	mb18-108-050	mb18-108-051	mb18-108-052	mb18-108-053	mb18-108-054	mb18-108-055	mb18-108-056	mb18-108-057	mb18-108-058	mb18-108-059	mb18-108-060	mb18-108-061	mb18-108-062
Client Sample #		BW-2	BW-3	BW-3	BW-3	BW-4	BW-4	BW-4	BW-5	BW-5	BW-5	SN-1	SN-1	SN-1	SN-2	SN-2	SN-2
Replicate		3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Date Sampled		2018-08-13	2018-08-14	2018-08-14	2018-08-14	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19
taxcode	grpcode	Order	Family	TaxonName	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance
MISC	URAS	Stolidobranchia	Styelidae	Styelidae indet.													
MOLL	MOAP	Chaetodermatida	Chaetodermatidae	Chaetoderma sp.													
MOLL	MOAP			Aplacophora indet.										1	1		
MOLL	MOBI	Adapedonta	Hiatellidae	Hiatella arctica	15		1	1		1	5		1	2			
MOLL	MOBI	Anomalodesmata	Cuspidariidae	Cuspidaria sp.												1	
MOLL	MOBI	Anomalodesmata	Lyonsiidae	Lyonsia arenosa												4	2
MOLL	MOBI	Anomalodesmata	Thraciidae	Thracia myopsis												1	
MOLL	MOBI	Anomalodesmata	Thraciidae	Thracia sp.								1	1				
MOLL	MOBI	Arcida	Arcidae	Bathyarca glacialis									2				
MOLL	MOBI	Carditoida	Astartidae	Astarte borealis	19	15	22	13		1	2						
MOLL	MOBI	Carditoida	Astartidae	Astarte montagui	20	21	25	36		2	17			1	9	15	4
MOLL	MOBI	Carditoida	Astartidae	Astarte sp.	22	12	10	10			5						
MOLL	MOBI	Lucinida	Thyasiridae	Axinopsida sp.					8	3	14						
MOLL	MOBI	Lucinida	Thyasiridae	Thyasira sp.	10	6	2										
MOLL	MOBI	Lucinida	Thyasiridae	Thyasiridae indet.	10	6	10	18			3						
MOLL	MOBI	Myida	Myidae	Mya sp.	2	8					1	2					
MOLL	MOBI	Myida	Myidae	Mya truncata			4	3	2	2	1						
MOLL	MOBI	Mytilida	Mytilidae	Dacrydium vitreum													
MOLL	MOBI	Mytilida	Mytilidae	Crenella faba													
MOLL	MOBI	Mytiloida	Mytilidae	Musculus discors	2												
MOLL	MOBI	Mytiloida	Mytilidae	Mytilidae indet.													1
MOLL	MOBI	Nuculanida	Nuculanidae	Nuculana minuta	22	2	2	2		2	18						1
MOLL	MOBI	Nuculanida	Nuculanidae	Nuculana pernula							5						
MOLL	MOBI	Nuculanida	Nuculanidae	Nuculana sp.		2					12						
MOLL	MOBI	Nuculanida		Nuculanoidea indet.				2			7						
MOLL	MOBI	Nuculanoida	Yoldiidae	Portlandia intermedia							1						
MOLL	MOBI	Nuculanoida	Yoldiidae	Yoldiella frigida													1
MOLL	MOBI	Nuculanoida	Yoldiidae	Yoldiella lenticula													
MOLL	MOBI	Nuculanoida	Yoldiidae	Yoldiidae indet.	2		2			1							
MOLL	MOBI	Nuculida	Nuculidae	Ennucula tenuis	2	7	12	14	4		2						
MOLL	MOBI	Pectinida	Pectinidae	Chlamys islandica													
MOLL	MOBI	Pectinida	Propeamussiidae	Similipecten greenlandicus		2		2									
MOLL	MOBI	Pectinoida	Pectinidae	Pectinidae indet.													
MOLL	MOBI	Pectinoida	Propeamussiidae	Propeamussiidae indet.													
MOLL	MOBI	Veneroida	Cardiidae	Ciliatocardium ciliatum	2	5	2			1							3
MOLL	MOBI	Veneroida	Cardiidae	Serripes groenlandicus	6	2	5	2	6	2	13	3	1	2			
MOLL	MOBI	Veneroida	Tellinidae	Macoma balthica					14								
MOLL	MOBI	Veneroida	Tellinidae	Macoma calcarea	4	11	8		13	6	31				4	2	3
MOLL	MOBI	Veneroida	Tellinidae	Macoma moesta	5	1		2									
MOLL	MOBI	Veneroida	Tellinidae	Macoma sp.	22	18	17	18	12	6	17				1		
MOLL	MOBI		Periplomatidae	Periploma aleuticum													
MOLL	MOBI			Bivalvia indet.	6	2		6	2	1	5						
MOLL	MOGA	Cephalaspidea	Cylichnidae	Cylichna alba	2												
MOLL	MOGA	Cephalaspidea	Cylichnidae	Cylichna sp.													
MOLL	MOGA	Cephalaspidea	Cylichnidae	Cylichnidae indet.													
MOLL	MOGA	Cephalaspidea	Cylichnidae	Cylichnoides occultus			2										
MOLL	MOGA	Cephalaspidea		Cephalaspidea indet.	4	6	5	8		1	10						1
MOLL	MOGA	Littorinimorpha	Capulidae	Ariadnaria borealis					4								
MOLL	MOGA	Littorinimorpha	Naticidae	Cryptonatica affinis				1									
MOLL	MOGA	Littorinimorpha	Naticidae	Euspira pallida	1												
MOLL	MOGA	Littorinimorpha	Naticidae	Naticidae indet.													
MOLL	MOGA	Littorinimorpha	Rissoidae	Boreocingula castanea		2	5										
MOLL	MOGA	Littorinimorpha	Velutinidae	Velutinidae indet.													
MOLL	MOGA	Littorinimorpha	Rissoidae	Rissoidae indet.	4	6	10	2									
MOLL	MOGA	Neogastropoda	Buccinidae	Buccinidae indet.													
MOLL	MOGA	Neogastropoda	Buccinidae	Buccinum hydrophanum							1						
MOLL	MOGA	Neogastropoda	Buccinidae	Colus sp.													
MOLL	MOGA	Neogastropoda	Columbellidae	Columbellidae indet.													
MOLL	MOGA	Neogastropoda	Cancellariidae	Admete viridula													
MOLL	MOGA	Neogastropoda	Mangeliidae	Mangeliidae indet.													
MOLL	MOGA	Neogastropoda	Mangeliidae	Oenopota sp.		1											
MOLL	MOGA	Trochida	Colloniidae	Moelleria costulata													
MOLL	MOGA	Trochida	Margaritidae	Margarites groenlandicus													
MOLL	MOGA	Trochida	Margaritidae	Margarites helacinus													
MOLL	MOGA	Trochida	Margaritidae	Margarites olivaceus													
MOLL	MOGA	Trochida	Margaritidae	Margarites sp.													1
MOLL	MOGA		Buccinidae	Volutopsis norwegicus													1
MOLL	MOGA		Lepetidae	Lepeta caeca									3				5
MOLL	MOGA		Lottiidae	Lottiidae indet.													

Abundance data in matrix format, including total taxa (species richness) count per sample, and total abundance

Biologica Sample #	mb18-108-047	mb18-108-048	mb18-108-049	mb18-108-050	mb18-108-051	mb18-108-052	mb18-108-053	mb18-108-054	mb18-108-055	mb18-108-056	mb18-108-057	mb18-108-058	mb18-108-059	mb18-108-060	mb18-108-061	mb18-108-062				
Client Sample #	BW-2	BW-3	BW-3	BW-3	BW-4	BW-4	BW-4	BW-5	BW-5	BW-5	SN-1	SN-1	SN-1	SN-2	SN-2	SN-2				
Replicate	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3				
Date Sampled	2018-08-13	2018-08-14	2018-08-14	2018-08-14	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-18	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19				
taxcode	grprcode	Order	Family	TaxonName	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance				
MOLL	MOGA		Lottiidae	Testudinalia testudinalis																
MOLL	MOGA		Trochidae	Trochidae indet.	4							1								
MOLL	MOGA			Gastropoda indet.																
MOLL	MOPO	Chitonida	Tonicellidae	Tonicella marmorea																
MOLL	MOSC	Gadilida	Gadilidae	Gadilidae indet.																
Total Abundance					1,258	1,037	1,023	1,028	814	382	920	488	390	174	574	332	559	548	620	479
Total Unique Taxa (Species Richness)					69	62	61	66	53	43	49	45	29	22	57	47	62	60	54	55
No. composite grabs					3	3	3	3	4	3	4	4	3	4	3	3	3	3	3	3
Total Density (Organisms/m²)					18637	15363	15159	15230	9044	5659	10220	5422	5778	1933	8509	4919	8286	8119	9178	7090

Incidental Organisms:

MEMO	MEMO			Calanoida indet. (planktonic)																
MEMO	MEMO			Chatognatha indet. (planktonic)																
MEMO	MEMO			Copepoda indet. (parasitic)																
MEMO	MEMO			Desmosoma sp. (planktonic)																
MEMO	MEMO			Egg/egg mass	8	20	2	24	4	17	4	9		13		19	16		2	1
MEMO	MEMO			Hyperiididae indet. (planktonic)																
MEMO	MEMO			Insecta indet. (terrestrial)																
MEMO	MEMO			Nematoda indet.	54	240	209	296	8	3	12	5	2	2	21	3		49	78	38
MEMO	MEMO			Hyperiididae indet. (planktonic)																

Abundance data in matrix format, including total taxa (species richness) count per sample, and total abundance

Biologica Sample #					mb18-108-063	mb18-108-064	mb18-108-065	mb18-108-066	mb18-108-067	mb18-108-068	mb18-108-069	mb18-108-070	mb18-108-071
Client Sample #					SN-3	SN-3	SN-3	SN-4	SN-4	SN-4	SN-5	SN-5	SN-5
Replicate					1	2	3	1	2	3	1	2	3
Date Sampled					2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19
taxcode	grpcode	Order	Family	TaxonName	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance
ANNE	ANHI	Rhynchobdellida	Piscicolidae	Hirudinea indet.									
ANNE	ANOL	Enchytraeida	Enchytraeidae	Enchytraeidae indet.									
ANNE	EURA	Echiuroidea	Echiuridae	Echiurus echiurus									
ANNE	POER	Eunicida	Dorvilleidae	Dorvilleidae indet.									
ANNE	POER	Eunicida	Dorvilleidae	Parougia caeca	1			1		1			
ANNE	POER	Eunicida	Lumbrineridae	Lumbrineridae indet.	9						6		13
ANNE	POER	Eunicida	Lumbrineridae	Lumbrineris sp.	1		1			2	3		1
ANNE	POER	Eunicida	Lumbrineridae	Scoletoma fragilis	32	26	31	39	34	18	20	80	35
ANNE	POER	Eunicida	Lumbrineridae	Scoletoma impatiens									
ANNE	POER	Eunicida	Lumbrineridae	Scoletoma sp.			16	12	12				
ANNE	POER	Eunicida	Onuphidae	Nothria conchylega	8	6	6	11	14	9	2	4	5
ANNE	POER	Phyllodocida	Glyceridae	Glycera capitata					2				
ANNE	POER	Phyllodocida	Glyceridae	Glycera sp.				1		1			
ANNE	POER	Phyllodocida	Hesionidae	Microphthalmus sp.									
ANNE	POER	Phyllodocida	Hesionidae	Gyptis sp.									
ANNE	POER	Phyllodocida	Hesionidae	Nereimyra punctata									
ANNE	POER	Phyllodocida	Nephtyidae	Aglaophamus sp.								1	1
ANNE	POER	Phyllodocida	Nephtyidae	Bipalponephtys cornuta	21	6	6	12	4	17		6	19
ANNE	POER	Phyllodocida	Nephtyidae	Nephtys bucera									
ANNE	POER	Phyllodocida	Nephtyidae	Nephtys ciliata	2	1	1		1	1	1		
ANNE	POER	Phyllodocida	Nephtyidae	Nephtys sp.						1			
ANNE	POER	Phyllodocida	Nereididae	Nereis zonata									
ANNE	POER	Phyllodocida	Nereididae	Nereididae indet.									
ANNE	POER	Phyllodocida	Pholoidea	Pholoe minuta			1			1			
ANNE	POER	Phyllodocida	Pholoidea	Pholoe sp.				1		2			
ANNE	POER	Phyllodocida	Pholoidea	Pholoe tecta	21	23	18	12	11	6	13	24	38
ANNE	POER	Phyllodocida	Phyllodocidae	Eteone barbata									
ANNE	POER	Phyllodocida	Phyllodocidae	Eteone longa complex	1		4	2		1			3
ANNE	POER	Phyllodocida	Phyllodocidae	Eteone sp.	5	3	2	1	2	1		1	1
ANNE	POER	Phyllodocida	Phyllodocidae	Eulalia sp.									
ANNE	POER	Phyllodocida	Phyllodocidae	Phyllodoce groenlandica									
ANNE	POER	Phyllodocida	Phyllodocidae	Phyllodoce sp.									
ANNE	POER	Phyllodocida	Phyllodocidae	Eteone flava									
ANNE	POER	Phyllodocida	Phyllodocidae	Hypereteone sp.									
ANNE	POER	Phyllodocida	Polynoidae	Gattyana cirrhosa									
ANNE	POER	Phyllodocida	Polynoidae	Harmothoe extenuata									
ANNE	POER	Phyllodocida	Polynoidae	Harmothoe imbricata									
ANNE	POER	Phyllodocida	Polynoidae	Harmothoe sp.									1
ANNE	POER	Phyllodocida	Polynoidae	Melaenis loveni									
ANNE	POER	Phyllodocida	Polynoidae	Bylgides sarsi									
ANNE	POER	Phyllodocida	Polynoidae	Bylgides sp.			2	1					
ANNE	POER	Phyllodocida	Polynoidae	Hartmania moorei	2					2			
ANNE	POER	Phyllodocida	Polynoidae	Polynoidae indet.				1	1	1			1
ANNE	POER	Phyllodocida	Sphaerodoridae	Sphaerodoropsis minuta	1	2							
ANNE	POER	Phyllodocida	Sphaerodoridae	Sphaerodoropsis sp.									1
ANNE	POER	Phyllodocida	Syllidae	Syllides longocirratu	1		1	1	1				
ANNE	POER	Phyllodocida	Syllidae	Syllides sp.									
ANNE	POER	Phyllodocida	Syllidae	Eusyllinae indet.									
ANNE	POER	Phyllodocida	Syllidae	Eusyllis sp.									
ANNE	POER	Phyllodocida	Syllidae	Pionosyllis sp.								1	
ANNE	POER	Phyllodocida	Syllidae	Exogone verugera			2						
ANNE	POER	Phyllodocida	Syllidae	Parexogone hebes		1	1			2			1
ANNE	POSE	Sabellida	Fabriciidae	Pseudofabricia sp. nr. aberrans	4	4	10	1	2				
ANNE	POSE	Sabellida	Oweniidae	Galathowenia oculata	9	24	13	4	4	8	6	8	6
ANNE	POSE	Sabellida	Oweniidae	Myriochele heeri	2	6	4	4		5	3	2	3
ANNE	POSE	Sabellida	Oweniidae	Owenia fusiformis	5	10	4	1	2	5		1	6
ANNE	POSE	Sabellida	Oweniidae	Oweniidae indet.									
ANNE	POSE	Sabellida	Sabellidae	Euchone incolor				1				1	1
ANNE	POSE	Sabellida	Sabellidae	Euchone sp.			1			1			
ANNE	POSE	Sabellida	Sabellidae	Bispira sp.									
ANNE	POSE	Sabellida	Sabellidae	Chone duneri									
ANNE	POSE	Sabellida	Sabellidae	Dialychone sp.					1	1	1	4	
ANNE	POSE	Sabellida	Sabellidae	Dialychone sp. 1									1
ANNE	POSE	Sabellida	Sabellidae	Euchone rubrocincta		1	1						
ANNE	POSE	Sabellida	Sabellidae	Sabellidae indet.	4		1	1					
ANNE	POSE	Sabellida	Sabellidae	Sabellidae sp. 2									
ANNE	POSE	Sabellida	Sabellidae	Sabellidae sp. 3			1						
ANNE	POSE	Sabellida	Sabellidae	Sabellidae sp. 4									
ANNE	POSE	Sabellida	Serpulidae	Pileolaria sp.									

Abundance data in matrix format, including total taxa (species richness) count per sample, and total abundance

Biologica Sample #					mb18-108-063	mb18-108-064	mb18-108-065	mb18-108-066	mb18-108-067	mb18-108-068	mb18-108-069	mb18-108-070	mb18-108-071
Client Sample #					SN-3	SN-3	SN-3	SN-4	SN-4	SN-4	SN-5	SN-5	SN-5
Replicate					1	2	3	1	2	3	1	2	3
Date Sampled					2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19
taxcode	grpcode	Order	Family	TaxonName	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance
ANNE	POSE	Sabellida	Serpulidae	Spirorbinae indet.									
ANNE	POSE	Spionida	Apistobranchidae	Apistobranchus sp.						1			
ANNE	POSE	Spionida	Spionidae	Dipolydora caulleryi									
ANNE	POSE	Spionida	Spionidae	Dipolydora concharum									
ANNE	POSE	Spionida	Spionidae	Dipolydora quadrilobata									
ANNE	POSE	Spionida	Spionidae	Dipolydora socialis									
ANNE	POSE	Spionida	Spionidae	Dipolydora sp.									
ANNE	POSE	Spionida	Spionidae	Laonice cirrata				2	1			1	1
ANNE	POSE	Spionida	Spionidae	Marenzelleria sp.									
ANNE	POSE	Spionida	Spionidae	Polydora sp. complex									
ANNE	POSE	Spionida	Spionidae	Prionospio (Prionospio) sp.	5				4			4	
ANNE	POSE	Spionida	Spionidae	Prionospio (Prionospio) steenstrupi	14	11	24	15		8	3		13
ANNE	POSE	Spionida	Spionidae	Prionospio cirrifera									
ANNE	POSE	Spionida	Spionidae	Prionospio sp.									
ANNE	POSE	Spionida	Spionidae	Pygospio sp.	1								
ANNE	POSE	Spionida	Spionidae	Scolecopsis sp.									
ANNE	POSE	Spionida	Spionidae	Spio filicornis									
ANNE	POSE	Spionida	Spionidae	Spio sp.									
ANNE	POSE	Spionida	Spionidae	Spionidae indet.									
ANNE	POSE	Terebellida	Ampharetidae	Ampharete sp.						1			
ANNE	POSE	Terebellida	Ampharetidae	Lysippe labiata					1			3	1
ANNE	POSE	Terebellida	Ampharetidae	Melinna elisabethae	1	2	3	2		3	2	1	7
ANNE	POSE	Terebellida	Ampharetidae	Melinna sp.		1							
ANNE	POSE	Terebellida	Ampharetidae	Ampharete vega									
ANNE	POSE	Terebellida	Ampharetidae	Ampharetidae indet.				1					
ANNE	POSE	Terebellida	Ampharetidae	Amphicteis sundevalli									
ANNE	POSE	Terebellida	Cirratulidae	Aphelochaeta sp.					2		2	3	3
ANNE	POSE	Terebellida	Cirratulidae	Chaetozone bathyala	2	1	2	4	2	3	5	12	7
ANNE	POSE	Terebellida	Cirratulidae	Chaetozone careyi									
ANNE	POSE	Terebellida	Cirratulidae	Chaetozone pigmentata	8	7	8	3	5		2	2	4
ANNE	POSE	Terebellida	Cirratulidae	Chaetozone setosa complex	3	2		1				1	
ANNE	POSE	Terebellida	Cirratulidae	Chaetozone sp.	33	19	18	13	12	8	4	17	9
ANNE	POSE	Terebellida	Cirratulidae	Cirratulidae indet.	3	1	2	5	5				12
ANNE	POSE	Terebellida	Cirratulidae	Kirkegaardia sp.									
ANNE	POSE	Terebellida	Cirratulidae	Tharyx sp.	11	5	5	5	2	9	4	8	2
ANNE	POSE	Terebellida	Flabelligeridae	Diplocirrus hirsutus	1	3	1						
ANNE	POSE	Terebellida	Pectinariidae	Cistenides granulata	1					1			
ANNE	POSE	Terebellida	Terebellidae	Polycirrus sp. complex	1		4	4		2	7	7	2
ANNE	POSE	Terebellida	Terebellidae	Lanassa venusta venusta						3			1
ANNE	POSE	Terebellida	Terebellidae	Laphania boeckii						1			
ANNE	POSE	Terebellida	Terebellidae	Leaena abbranchiata									
ANNE	POSE	Terebellida	Terebellidae	Pista maculata									
ANNE	POSE	Terebellida	Terebellidae	Proclea graffi			1						
ANNE	POSE	Terebellida	Terebellidae	Proclea sp.									
ANNE	POSE	Terebellida	Terebellidae	Amaeana sp.						1			
ANNE	POSE	Terebellida	Terebellidae	Neoamphitrite affinis									
ANNE	POSE	Terebellida	Terebellidae	Terebellidae indet.						1			
ANNE	POSE	Terebellida	Trichobranchidae	Terebellides sp.	1		2	1					
ANNE	POSE	Terebellida	Trichobranchidae	Trichobranchus glacialis									
ANNE	POSE		Capitellidae	Capitella capitata complex				1	1				
ANNE	POSE		Capitellidae	Mediomastus sp.	1	2	2	2	1	4	4	3	3
ANNE	POSE		Capitellidae	Notomastus latericeus		2					1	1	1
ANNE	POSE		Cossuridae	Cossura sp.	5	2	5	2		1	2	2	14
ANNE	POSE		Maldanidae	Clymenura sp.			4			1			
ANNE	POSE		Maldanidae	Euclymene sp.		1	2						
ANNE	POSE		Maldanidae	Euclymeninae indet.		1	2	1					1
ANNE	POSE		Maldanidae	Microclymene sp.									
ANNE	POSE		Maldanidae	Praxillella gracilis			2					1	1
ANNE	POSE		Maldanidae	Praxillella praetermissa	2					2			1
ANNE	POSE		Maldanidae	Maldane sarsi	17	13	20	14	7	8	6	11	5
ANNE	POSE		Maldanidae	Nicomache sp.									
ANNE	POSE		Maldanidae	Rhodine loveni									
ANNE	POSE		Maldanidae	Maldanidae indet.	1	1			1				
ANNE	POSE		Opheliidae	Ophelina acuminata			1						
ANNE	POSE		Opheliidae	Ophelina cylindricaudata			1	1		1	1		
ANNE	POSE		Opheliidae	Ophelina sp.									
ANNE	POSE		Orbiniidae	Leitoscoloplos sp.									
ANNE	POSE		Orbiniidae	Orbiniidae indet.									
ANNE	POSE		Orbiniidae	Scoloplos acutus	3		1	4	6	4	2	3	6

Abundance data in matrix format, including total taxa (species richness) count per sample, and total abundance

Biologica Sample #					mb18-108-063	mb18-108-064	mb18-108-065	mb18-108-066	mb18-108-067	mb18-108-068	mb18-108-069	mb18-108-070	mb18-108-071
Client Sample #					SN-3	SN-3	SN-3	SN-4	SN-4	SN-4	SN-5	SN-5	SN-5
Replicate					1	2	3	1	2	3	1	2	3
Date Sampled					2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19
taxcode	grpcode	Order	Family	TaxonName	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance
ANNE	POSE		Orbiniidae	Scoloplos armiger									
ANNE	POSE		Orbiniidae	Scoloplos sp.	1	1							
ANNE	POSE		Paraonidae	Aricidea catherinae									
ANNE	POSE		Paraonidae	Aricidea hartmanae	1	2	4	2	3	2	1	3	1
ANNE	POSE		Paraonidae	Aricidea minuta									
ANNE	POSE		Paraonidae	Aricidea nolani	1	1	1	3		3	2		2
ANNE	POSE		Paraonidae	Aricidea sp.									
ANNE	POSE		Paraonidae	Paraonidae indet.			1		2			3	
ANNE	POSE		Sabellidae	Branchiomma sp.									
ANNE	POSE		Scalibregmatidae	Polyphysia crassa				1		1	1		
ANNE	POSE		Scalibregmatidae	Scalibregma inflatum	3		4			2	1		1
ANNE	POXX		Protodrilidae	Protodrilus sp.									
ARTH	CHAR	Acarina	Halacaridae	Halacaridae indet.									
ARTH	CHPY	Pantopoda	Nymphonidae	Nymphon sp.									
ARTH	CRAM	Amphipoda	Phoxocephalidae	Harpinia serrata									
ARTH	CRAM	Amphipoda	Phoxocephalidae	Harpinia sp.		2	1						
ARTH	CRAM	Amphipoda	Ampeliscidae	Ampeliscidae indet.									
ARTH	CRAM	Amphipoda	Ampeliscidae	Byblis sp.		1	2			2			
ARTH	CRAM	Amphipoda	Amphilochoidea	Amphilochoidea sp.									
ARTH	CRAM	Amphipoda	Calliopidae	Calliopidae indet.									
ARTH	CRAM	Amphipoda	Podoceridae	Dyopetos sp.									
ARTH	CRAM	Amphipoda	Corophiidae	Corophiidae indet.									
ARTH	CRAM	Amphipoda	Corophiidae	Monocorophium sp.									
ARTH	CRAM	Amphipoda	Dexaminidae	Dexaminidae indet.									
ARTH	CRAM	Amphipoda	Gammaridae	Gammarus sp.									
ARTH	CRAM	Amphipoda	Opisidae	Opisa sp.									
ARTH	CRAM	Amphipoda	Tryphosidae	Gronella groenlandica									
ARTH	CRAM	Amphipoda	Tryphosidae	Hippomedon sp.						3			
ARTH	CRAM	Amphipoda	Tryphosidae	Orchomenella sp.									
ARTH	CRAM	Amphipoda	Tryphosidae	Orchomenella minuta									
ARTH	CRAM	Amphipoda	Tryphosidae	Orchomenella pinguis									
ARTH	CRAM	Amphipoda	Tryphosidae	Tryphosidae indet.									
ARTH	CRAM	Amphipoda	Uristidae	Anonyx sarsi									
ARTH	CRAM	Amphipoda	Uristidae	Anonyx sp.									
ARTH	CRAM	Amphipoda	Uristidae	Onisimus barentsi group									
ARTH	CRAM	Amphipoda	Uristidae	Onisimus brevicaudatus									
ARTH	CRAM	Amphipoda	Uristidae	Onisimus sp.	1		1	1		1			
ARTH	CRAM	Amphipoda		Lysianassoidea indet.									
ARTH	CRAM	Amphipoda	Oedicerotidae	Arrhis sp.									
ARTH	CRAM	Amphipoda	Oedicerotidae	Monoculopsis sp.									
ARTH	CRAM	Amphipoda	Pontoporeiidae	Pontoporeia femorata									
ARTH	CRAM	Amphipoda	Ampeliscidae	Ampelisca eschrichtii									
ARTH	CRAM	Amphipoda	Ampeliscidae	Haploops tubicola								1	
ARTH	CRAM	Amphipoda	Atylidae	Atylus carinatus						1			
ARTH	CRAM	Amphipoda	Corophiidae	Crassiorophium bonellii									
ARTH	CRAM	Amphipoda	Dexaminidae	Guerneia nordenskioldi					2	1	5	2	4
ARTH	CRAM	Amphipoda	Eusiridae	Rhachotropis helleri									
ARTH	CRAM	Amphipoda	Oedicerotidae	Aceroides sp.	1	1	1		2		1		6
ARTH	CRAM	Amphipoda	Oedicerotidae	Monoculodes sp.					2	1			
ARTH	CRAM	Amphipoda	Oedicerotidae	Oedicerotidae indet.		1		1		1			
ARTH	CRAM	Amphipoda	Oedicerotidae	Paroediceros lynceus						1			1
ARTH	CRAM	Amphipoda	Oedicerotidae	Rostroculodes sp.									
ARTH	CRAM	Amphipoda	Oedicerotidae	Westwoodilla sp.	1	1	1						
ARTH	CRAM	Amphipoda	Pontoporeiidae	Monoporeia affinis									
ARTH	CRAM	Amphipoda	Stenothoidae	Stenothoidae indet.									
ARTH	CRAM	Amphipoda		Amphipoda indet.				1		1			
ARTH	CRCI	Sessilia		Balanomorpha indet.									
ARTH	CRCO	Cyclopoida		Cyclopoida indet.	2	4	14	4	5	3	9	4	14
ARTH	CRCO	Harpacticoida		Harpacticoida indet.			4						1
ARTH	CRCU	Cumacea	Diastylidae	Brachydiastylis resima									2
ARTH	CRCU	Cumacea	Diastylidae	Diastylidae indet.									
ARTH	CRCU	Cumacea	Diastylidae	Diastylis bradyi									
ARTH	CRCU	Cumacea	Diastylidae	Diastylis goodsiri	1	1							
ARTH	CRCU	Cumacea	Diastylidae	Diastylis lucifera		1							1
ARTH	CRCU	Cumacea	Diastylidae	Diastylis rathkei									
ARTH	CRCU	Cumacea	Diastylidae	Diastylis scorpioides		2	1	1					3
ARTH	CRCU	Cumacea	Diastylidae	Diastylis sp.	1		1				1		
ARTH	CRCU	Cumacea	Diastylidae	Diastylis spinulosa					1		1		
ARTH	CRCU	Cumacea	Diastylidae	Diastylis bicipitatus								1	

Abundance data in matrix format, including total taxa (species richness) count per sample, and total abundance

Biologica Sample #					mb18-108-063	mb18-108-064	mb18-108-065	mb18-108-066	mb18-108-067	mb18-108-068	mb18-108-069	mb18-108-070	mb18-108-071
Client Sample #					SN-3	SN-3	SN-3	SN-4	SN-4	SN-4	SN-5	SN-5	SN-5
Replicate					1	2	3	1	2	3	1	2	3
Date Sampled					2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19
taxcode	grpcode	Order	Family	TaxonName	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance
ARTH	CRCU	Cumacea	Lampropiidae	Lampropiidae indet.									
ARTH	CRCU	Cumacea	Lampropiidae	Lamprops fuscatus									
ARTH	CRCU	Cumacea	Leuconidae	Eudorella truncatula	1	1			3				5
ARTH	CRCU	Cumacea	Leuconidae	Leucon sp.		5	3	2	2			3	3
ARTH	CRCU	Cumacea	Leuconidae	Leuconidae indet.									
ARTH	CRCU	Cumacea	Nannastacidae	Campylaspis rubicunda									
ARTH	CRCU	Cumacea		Cumacea indet.									
ARTH	CRDE	Decapoda	Thoridae	Lebbeus polaris									
ARTH	CRDE	Decapoda	Crangonidae	Sabinea septemcarinata									
ARTH	CRDE	Decapoda	Crangonidae	Sabinea sp.									
ARTH	CRDE	Decapoda	Crangonidae	Sclerocrangon boreas									
ARTH	CRDE	Decapoda		Caridea indet.									
ARTH	CRIS	Isopoda	Gnathiidae	Gnathiidae indet.	1		2		2	2	1		
ARTH	CRIS	Isopoda	Munnopsidae	Eurycope sp.									
ARTH	CRIS	Isopoda	Paramunnidae	Pleurogonium spinosissimum									
ARTH	CRMY	Mysida		Mysidacea indet.									
ARTH	CRMY	Mysida	Mysidae	Mysis sp.									
ARTH	CROS	Myodocopida	Philomedidae	Philomedes sp.	48	58	39	23	16	7	4	8	58
ARTH	CRTA	Tanaidacea	Sphyrapodidae	Pseudosphyrapus anomalus									
ARTH	CRTA	Tanaidacea	Akanthophoreidae	Akanthophoreus sp.				6				2	2
ARTH	CRTA	Tanaidacea	Pseudotanaididae	Pseudotanaid sp.			1		1		1	1	4
ARTH	CRTA	Tanaidacea	Typhlotanaididae	Typhlotanaid sp.									
ARTH	CRTA	Tanaidacea		Tanaidacea indet.	1		2		1		2	3	7
ARTH	INCO	Coleoptera	Curculionidae	Curculionidae indet.									
ARTH	INDI	Diptera	Chironomidae	Orthoclaadiinae indet.									
ARTH	INDI	Diptera	Chironomidae	Chironomidae indet.									
ECHI	ECEC	Camarodonta	Strongylocentrotidae	Strongylocentrotus droebachiensis									
ECHI	ECEC	Camarodonta	Strongylocentrotidae	Strongylocentrotus sp.									
ECHI	ECHO	Apodida	Myriotrochidae	Myriotrochus rinkii			2		1	8	2		
ECHI	ECHO	Dendrochirotrida	Psolidae	Psolus phantapus									
ECHI	ECHO	Molpadida		Molpadida indet.			2						
ECHI	ECOP	Ophiurida	Ophiuridae	Ophiocten affinis	1	4	1	2	2	2	5	11	3
ECHI	ECOP	Ophiurida	Ophiuridae	Ophiura sarsii	4	1							
ECHI	ECOP	Ophiurida	Ophiuridae	Ophiura robusta									
ECHI	ECOP	Ophiurida	Ophiuridae	Ophiuridae indet.			2		2	3	6	1	3
MISC	BRYO	Cheilostomatida	Candidae	Scrupocellaria sp.						1			
MISC	BRYO	Cheilostomatida	Calloporidae	Calloporidae indet.			1	1					
MISC	BRYO	Cheilostomatida	Myriaporidae	Leieschara sp.						1			
MISC	BRYO	Ctenostomatida	Alcyoniidae	Alcyonidium sp.									
MISC	BRYO	Ctenostomatida	Triticellidae	Triticella sp.									
MISC	BRYO	Ctenostomatida		Ctenostomata indet.									
MISC	BRYO	Cyclostomatida	Crisiidae	Crisia sp.						1			
MISC	BRYO	Cyclostomatida		Cyclostomatida indet.		1							
MISC	BRYO			Bryozoa indet.			1				1		
MISC	CNHY	Anthoathecata	Bougainvilliidae	Bougainvilliidae indet.									
MISC	CNHY	Anthoathecata		Anthoathecata indet.									
MISC	CNHY	Limnomedusae	Olindiidae	Monobrachium parasitum	3	4	3	3		1	3	1	2
MISC	CNHY			Hydrozoa indet.									
MISC	HEMI			Hemichordata indet.						1			
MISC	NTEA	Archinemertea	Cephalothricidae	Cephalothrix sp.	1							1	
MISC	NTEA	Heteronemertea	Lineidae	Cerebratulus sp.	10	4	5	3	4	4	4		6
MISC	NTEA	Heteronemertea	Lineidae	Lineidae indet.									
MISC	NTEA	Palaeonemertea	Carinomidae	Carinoma sp.				1					
MISC	NTEA			Anopla indet.									
MISC	NTEA			Enopla indet.		1	11		5		1	4	3
MISC	NTEA		Tubulanidae	Tubulanus sp.									
MISC	NTEA			Nemertea indet.									
MISC	PIXX	Scorpaeniformes	Cottidae	Cottidae indet.									
MISC	PIXX			Pisces indet.									
MISC	PLTY			Platyhelminthes indet.									
MISC	PORI			Calcarea indet.							1		
MISC	PRIA		Priapulidae	Priapulus caudatus									
MISC	PRIA		Priapulidae	Priapulus sp.		2							1
MISC	SIPN	Golfingiida	Golfingiidae	Golfingia sp.	3	1	1	1					
MISC	URAS	Aplousobranchia		Aplousobranchia indet.							2		
MISC	URAS	Phlebobranchia	Asciidiidae	Ascidia sp.									
MISC	URAS	Stolidobranchia	Molgulidae	Molgula sp.									
MISC	URAS	Stolidobranchia	Pyuridae	Boltenia echinata									
MISC	URAS	Stolidobranchia	Styelidae	Polycarpa fibrosa									

Abundance data in matrix format, including total taxa (species richness) count per sample, and total abundance

Biologica Sample #					mb18-108-063	mb18-108-064	mb18-108-065	mb18-108-066	mb18-108-067	mb18-108-068	mb18-108-069	mb18-108-070	mb18-108-071
Client Sample #					SN-3	SN-3	SN-3	SN-4	SN-4	SN-4	SN-5	SN-5	SN-5
Replicate					1	2	3	1	2	3	1	2	3
Date Sampled					2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19
taxcode	grpcode	Order	Family	TaxonName	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance
MISC	URAS	Stolidobranchia	Styelidae	Styelidae indet.									
MOLL	MOAP	Chaetodermatida	Chaetodermatidae	Chaetoderma sp.		3	1	6	2	1	4	5	1
MOLL	MOAP			Aplacophora indet.			2	1	4	1		1	
MOLL	MOBI	Adapedonta	Hiatellidae	Hiatella arctica	1	2			1				
MOLL	MOBI	Anomalodesmata	Cuspidariidae	Cuspidaria sp.			1						
MOLL	MOBI	Anomalodesmata	Lyonsiidae	Lyonsia arenosa									
MOLL	MOBI	Anomalodesmata	Thraciidae	Thracia myopsis						1			
MOLL	MOBI	Anomalodesmata	Thraciidae	Thracia sp.			3		1		1		
MOLL	MOBI	Arcida	Arcidae	Bathyarca glacialis			1		1	2	2		
MOLL	MOBI	Carditoida	Astartidae	Astarte borealis									
MOLL	MOBI	Carditoida	Astartidae	Astarte montagui		2	5	1	6	1	2		2
MOLL	MOBI	Carditoida	Astartidae	Astarte sp.	2	3	2			1			
MOLL	MOBI	Lucinida	Thyasiridae	Axinopsida sp.					4				3
MOLL	MOBI	Lucinida	Thyasiridae	Thyasira sp.	8	8	1	3	4	4	6	8	3
MOLL	MOBI	Lucinida	Thyasiridae	Thyasiridae indet.	9	2	3	2	5	1	7	1	2
MOLL	MOBI	Myida	Myidae	Mya sp.									
MOLL	MOBI	Myida	Myidae	Mya truncata									
MOLL	MOBI	Mytilida	Mytilidae	Dacrydium vitreum						1			
MOLL	MOBI	Mytilida	Mytilidae	Crenella faba									
MOLL	MOBI	Mytiloidea	Mytilidae	Musculus discors									
MOLL	MOBI	Mytiloidea	Mytilidae	Mytilidae indet.							1		
MOLL	MOBI	Nuculanida	Nuculanidae	Nuculana minuta								2	
MOLL	MOBI	Nuculanida	Nuculanidae	Nuculana pernula						1	1		
MOLL	MOBI	Nuculanida	Nuculanidae	Nuculana sp.	1	7		1	4	2	1	1	4
MOLL	MOBI	Nuculanida		Nuculanoidea indet.									
MOLL	MOBI	Nuculanoidea	Yoldiidae	Portlandia intermedia									
MOLL	MOBI	Nuculanoidea	Yoldiidae	Yoldiella frigida	2								
MOLL	MOBI	Nuculanoidea	Yoldiidae	Yoldiella lenticula									1
MOLL	MOBI	Nuculanoidea	Yoldiidae	Yoldiidae indet.	6	4	5	2	6	3	3	4	5
MOLL	MOBI	Nuculida	Nuculidae	Ennucula tenuis	33	22	26	10	8	8	6	3	21
MOLL	MOBI	Pectinida	Pectinidae	Chlamys islandica									
MOLL	MOBI	Pectinida	Propeamussiidae	Similipecten greenlandicus				1		1	1		
MOLL	MOBI	Pectinoidea	Pectinidae	Pectinidae indet.									
MOLL	MOBI	Pectinoidea	Propeamussiidae	Propeamussiidae indet.			2						
MOLL	MOBI	Veneroidea	Cardiidae	Ciliatocardium ciliatum									
MOLL	MOBI	Veneroidea	Cardiidae	Serripes groenlandicus									
MOLL	MOBI	Veneroidea	Tellinidae	Macoma balthica									
MOLL	MOBI	Veneroidea	Tellinidae	Macoma calcarea	2	5	6	5	2	7	2	3	2
MOLL	MOBI	Veneroidea	Tellinidae	Macoma moesta		1							1
MOLL	MOBI	Veneroidea	Tellinidae	Macoma sp.	5	2	3	2	6	1	2	1	
MOLL	MOBI		Periplomatidae	Periploma aleuticum									
MOLL	MOBI			Bivalvia indet.		5	1						
MOLL	MOGA	Cephalaspidea	Cylichnidae	Cylichna alba									
MOLL	MOGA	Cephalaspidea	Cylichnidae	Cylichna sp.	2				1	1			
MOLL	MOGA	Cephalaspidea	Cylichnidae	Cylichnidae indet.				2					
MOLL	MOGA	Cephalaspidea	Cylichnidae	Cylichnoides occultus		1	1						
MOLL	MOGA	Cephalaspidea		Cephalaspidea indet.	2							1	
MOLL	MOGA	Littorinimorpha	Capulidae	Ariadnaria borealis									
MOLL	MOGA	Littorinimorpha	Naticidae	Cryptonatica affinis									
MOLL	MOGA	Littorinimorpha	Naticidae	Euspira pallida			1				1		
MOLL	MOGA	Littorinimorpha	Naticidae	Naticidae indet.									
MOLL	MOGA	Littorinimorpha	Rissoidae	Boreocingula castanea									
MOLL	MOGA	Littorinimorpha	Velutinidae	Velutinidae indet.									
MOLL	MOGA	Littorinimorpha	Rissoidae	Rissoidae indet.									
MOLL	MOGA	Neogastropoda	Buccinidae	Buccinidae indet.									
MOLL	MOGA	Neogastropoda	Buccinidae	Buccinum hydrophanum									
MOLL	MOGA	Neogastropoda	Buccinidae	Colus sp.									
MOLL	MOGA	Neogastropoda	Columbellidae	Columbellidae indet.									
MOLL	MOGA	Neogastropoda	Cancellariidae	Admete viridula			1			1			
MOLL	MOGA	Neogastropoda	Mangeliidae	Mangeliidae indet.									
MOLL	MOGA	Neogastropoda	Mangeliidae	Oenopota sp.								1	
MOLL	MOGA	Trochida	Colloniidae	Moelleria costulata									
MOLL	MOGA	Trochida	Margaritidae	Margarites groenlandicus									
MOLL	MOGA	Trochida	Margaritidae	Margarites helacinus									
MOLL	MOGA	Trochida	Margaritidae	Margarites olivaceus		1							
MOLL	MOGA	Trochida	Margaritidae	Margarites sp.									
MOLL	MOGA		Buccinidae	Volutopsis norwegicus									
MOLL	MOGA		Lepetidae	Lepeta caeca	2	1	2		1	1			1
MOLL	MOGA		Lottiidae	Lottiidae indet.									

Abundance data in matrix format, including total taxa (species richness) count per sample, and total abundance

Biologica Sample #		mb18-108-063	mb18-108-064	mb18-108-065	mb18-108-066	mb18-108-067	mb18-108-068	mb18-108-069	mb18-108-070	mb18-108-071
Client Sample #		SN-3	SN-3	SN-3	SN-4	SN-4	SN-4	SN-5	SN-5	SN-5
Replicate		1	2	3	1	2	3	1	2	3
Date Sampled		2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19	2018-08-19
taxcode	grprcode	Order	Family	TaxonName	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance
MOLL	MOGA		Lottiidae	Testudinalia testudinalis						
MOLL	MOGA		Trochidae	Trochidae indet.						
MOLL	MOGA			Gastropoda indet.	1		1			
MOLL	MOPO	Chitonida	Tonicellidae	Tonicella marmorea						
MOLL	MOSC	Gadilida	Gadilidae	Gadilidae indet.			1			
Total Abundance					405	356	417	280	253	243
Total Unique Taxa (Species Richness)					58	58	74	55	51	71
No. composite grabs					3	3	3	3	3	3
Total Density (Organisms/m²)					6000	5274	6178	4148	3748	3600

Incidental Organisms:

MEMO	MEMO			Calanoida indet. (planktonic)						
MEMO	MEMO			Chatognatha indet. (planktonic)			2			
MEMO	MEMO			Copepoda indet. (parasitic)						
MEMO	MEMO			Desmosoma sp. (planktonic)				1	2	
MEMO	MEMO			Egg/egg mass				1		8
MEMO	MEMO			Hyperiididae indet. (planktonic)			3		1	1
MEMO	MEMO			Insecta indet. (terrestrial)						
MEMO	MEMO			Nematoda indet.	54	32	57	50	46	26
MEMO	MEMO			Hyperiididae indet. (planktonic)					7	19
										41



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18							MEMO	MEMO	Nematoda indet.	111		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Bryozoa	Gymnolaemata	Ctenostomatida		Triticellidae		MISC	BRYO	Triticella sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Corophioidea	Corophiidae		ARTH	CRAM	Monocorophium sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Mollusca	Bivalvia					MOLL	MOBI	Bivalvia indet.			40
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	Whole	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae	Nereidinae	ANNE	POER	Nereis zonata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	Whole	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Sabellidae sp. 2	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	Whole	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Dipolydora caulleryi			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	Whole	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Syllidae		ANNE	POER	Parexogone hebes	2	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Citellata	Enchytraeida		Enchytraeidae		ANNE	ANOL	Enchytraeidae indet.	3	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	Whole	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma sp.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata	13	15	24
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponephtys cornuta	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta	9	1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	Whole	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe sp.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta	36	12	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocidae	Eteoninae	ANNE	POER	Eteone sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Gattyana cirrhosa	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Harmothoe sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Galathowenia oculata			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	9	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Dialychone sp. 1	2	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	Whole	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Dialychone sp. 1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Dipolydora quadrilobata		2	5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) steenstrupi	4	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Pygospio sp.	3	1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Aphelochaeta sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	7	11	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone pigmentata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone setosa complex	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.		1	10
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	1		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	Whole	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Polycirrinae	ANNE	POSE	Polycirrus sp. complex			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	Whole	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Pista maculata	2	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Trichobanchidae	Trichobanchinae	ANNE	POSE	Terebellides sp.	1	1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	Whole	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Trichobanchidae	Trichobanchinae	ANNE	POSE	Terebellides sp.	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Mediomastus sp.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta			Cossuridae		ANNE	POSE	Cossura sp.	6		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta			Maldanidae	Maldaninae	ANNE	POSE	Maldane sarsi	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta			Orbiniidae		ANNE	POSE	Leitoscoloplos sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea hartmanae	1	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea nolani	4		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Annelida	Polychaeta			Scalibregmatidae		ANNE	POSE	Scalibregma inflatum	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea			ARTH	CRAM	Lysianassoidea indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Pontoporeioidea			ARTH	CRAM	Pontoporeia femorata	2	18	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Atylidae		ARTH	CRAM	Atylus carinatus	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminotidae		ARTH	CRAM	Guerneia nordenskioldi	5	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Paroediceros lynceus	2		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	Whole	BE-1-1	BE-1	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Paroediceros lynceus	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Pontoporeiidae		ARTH	CRAM	Monoporeia affinis	1		2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda				ARTH	CRAM	Amphipoda indet.	1		3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Arthropoda	Maxillopoda			Sessilia		ARTH	CRCI	Balanomorpha indet.			111
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Arthropoda	Maxillopoda			Cyclopoida		ARTH	CRCO	Cyclopoida indet.	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Arthropoda	Maxillopoda			Harpacticoida		ARTH	CRCO	Harpacticoida indet.	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Eudorella truncatula	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Arthropoda	Malacostraca	Isopoda	Cymothooidea	Gnathiidae		ARTH	CRIS	Gnathiidae indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.	4	1	5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea				ARTH	CRTA	Tanaidacea indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	Whole	BE-1-1	BE-1	1	17-Aug-18	Cnidaria	Hydrozoa			Limnomedusae		MISC	CNHY	Monobrachium parasitum	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Nemertea	Anopla	Heteronemertea		Lineidae		MISC	NTEA	Lineidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Nemertea	Enopla					MISC	NTEA	Enopla indet.	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	Whole	BE-1-1	BE-1	1	17-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis			1



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	Whole	BE-1-1	BE-1	1	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	Whole	BE-1-1	BE-1	1	17-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	Whole	BE-1-1	BE-1	1	17-Aug-18	Mollusca	Bivalvia	Mytiloidea	Mytiloidea	Mytilidae		MOLL	MOBI	Musculus discors	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidea	Nuculidae		MOLL	MOBI	Ennucula tenuis			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma balthica		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	Whole	BE-1-1	BE-1	1	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea	2	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Mollusca	Gastropoda	Trochida	Trochoidea	Margaritidae		MOLL	MOGA	Margarites groenlandicus		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Mollusca	Gastropoda	Trochida	Trochoidea	Margaritidae		MOLL	MOGA	Margarites helacinus		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1/2	BE-1-1	BE-1	1	17-Aug-18	Mollusca	Gastropoda	Trochida	Trochoidea	Lottiidae		MOLL	MOGA	Lottiidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	Whole	BE-1-2	BE-1	2	17-Aug-18	Cnidaria	Hydrozoa	Anthoathecata		Bougainvilliidae		MISC	CNHY	Bougainvilliidae indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18							MEMO	MEMO	Egg/egg mass		12	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18							MEMO	MEMO	Nematoda indet.	54		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	Whole	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidea		ANNE	POER	Pholoe tecta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	Whole	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	Whole	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea			MOLL	MOBI	Nuculanoidea indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Mollusca	Gastropoda	Littorinimorpha		Rissoidea		MOLL	MOGA	Rissoidea indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Syllidae		ANNE	POER	Parexogone hebes	5		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Annelida	Citellata	Enchytraeida		Enchytraeidae		ANNE	ANOL	Enchytraeidae indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens	3	4	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata	6	1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponeptyys cornuta	4	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	Whole	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae	Nereidinae	ANNE	POER	Nereis zonata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidea		ANNE	POER	Pholoe minuta	19	18	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidea		ANNE	POER	Pholoe tecta	54	33	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	Whole	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidea	Polynoinae	ANNE	POER	Gattyana cirrhosa	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidea	Polynoinae	ANNE	POER	Harmothoe sp.	1	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Owenia fusiformis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	4	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Dialychone sp. 1	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Euchone rubrocincta		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) steenstrupi	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.	3	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Aphelochaeta sp.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	16	10	8
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone setosa complex	3	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.	1	1	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Cirratulidae indet.		6	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	Whole	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	16		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Laphania boeckii	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.	1		2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Capitellidae		Capitellidae		ANNE	POSE	Mediomastus sp.	13	17	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Cosseridae		Cosseridae		ANNE	POSE	Cossera sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Maldanidae		Maldanidae	Maldaninae	ANNE	POSE	Maldane sarsi	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Maldanidae		Maldanidae		ANNE	POSE	Maldanidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Orbiniidae		Orbiniidae		ANNE	POSE	Scoloplos acutus		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Paraonidae		Paraonidae		ANNE	POSE	Aricidea minuta	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Paraonidae		Paraonidae		ANNE	POSE	Aricidea nolani	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Scalibregmatidae		Scalibregmatidae		ANNE	POSE	Scalibregma inflatum	6		2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	Whole	BE-1-2	BE-1	2	17-Aug-18	Annelida	Polychaeta	Scalibregmatidae		Scalibregmatidae		ANNE	POSE	Scalibregma inflatum	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Uristidae		ARTH	CRAM	Onisimus sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea			ARTH	CRAM	Lysianassoidea indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Pontoporeioidea	Pontoporeiidae		ARTH	CRAM	Pontoporeia femorata			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	Whole	BE-1-2	BE-1	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Ampeliscidae		ARTH	CRAM	Haploops tubicola	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminidae		ARTH	CRAM	Guerneia nordenskioldi	13	4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Paroediceros lynceus			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	Whole	BE-1-2	BE-1	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Paroediceros lynceus	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Rostrocilodites sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Westwoodilla sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Brachydiastylis resima		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis scorpioides	1	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylodes biplicatus		4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8																



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRUC	Leucon sp.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Arthropoda	Malacostraca	Isopoda	Cymothoidea	Gnathiidae		ARTH	CRIS	Gnathiidae indet.	1		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Arthropoda	Malacostraca	Mysida		Mysidae		ARTH	CRMY	Mysis sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.	6	8	6
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Pseudotanaidae		ARTH	CRTA	Pseudotana sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Echinodermata	Echinoidea	Camarodonta	Odontophora	Strongylocentrotidae		ECHI	ECEC	Strongylocentrotus droebachiensis		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Echinodermata	Ophiuroidea	Ophiurida		Ophiuridae	Ophiurinae	ECHI	ECOP	Ophiura sarsii		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Nemertea	Anopla	Archinemertea		Cephalothricidae		MISC	NTEA	Cephalothrix sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Nemertea	Enopla					MISC	NTEA	Enopla indet.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	Whole	BE-1-2	BE-1	2	17-Aug-18	Nemertea	Palaeonemertea			Tubulanidae		MISC	NTEA	Tubulanus sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	Whole	BE-1-2	BE-1	2	17-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	10		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	Whole	BE-1-2	BE-1	2	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis	7	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui		7	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.			9
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasira sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	Whole	BE-1-2	BE-1	2	17-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	Whole	BE-1-2	BE-1	2	17-Aug-18	Mollusca	Bivalvia	Mytiloidea	Mytiloidea	Mytilidae		MOLL	MOBI	Musculus discors	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	Whole	BE-1-2	BE-1	2	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana sp.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	Whole	BE-1-2	BE-1	2	17-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioida	Cardiidae	Clinocardiinae	MOLL	MOBI	Ciliatocardium ciliatum		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	Whole	BE-1-2	BE-1	2	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Mollusca	Bivalvia					MOLL	MOBI	Bivalvia indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3/8	BE-1-2	BE-1	2	17-Aug-18	Mollusca	Gastropoda		Cephalaspidea			MOLL	MOGA	Cephalaspidea indet.		4	6
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	Whole	BE-1-2	BE-1	2	17-Aug-18	Mollusca	Gastropoda		Lottioidae	Lepetidae		MOLL	MOGA	Lepeta caeca	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Oedicerotidae indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Paroediceros lynceus		2	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Nemertea	Anopla					MISC	NTEA	Anopla indet.	1		3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya sp.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Mollusca	Bivalvia					MOLL	MOBI	Bivalvia indet.			6
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18							MEMO	MEMO	Egg/egg mass	12		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18							MEMO	MEMO	Nematoda indet.	97		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	Whole	BE-1-3	BE-1	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidea		ANNE	POER	Pholoe minuta		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	Whole	BE-1-3	BE-1	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidea		ANNE	POER	Pholoe tecta		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	Whole	BE-1-3	BE-1	3	17-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Mediomastus sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Tryphosidae		ARTH	CRAM	Tryphosidae indet.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	Whole	BE-1-3	BE-1	3	17-Aug-18	Annelida	Polychaeta	Enchytraeida		Enchytraeidae		ANNE	ANOL	Enchytraeidae indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens	1		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata	1	8	5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocida		ANNE	POER	Bipalponephthys cornuta	8		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidea		ANNE	POER	Pholoe minuta	25	14	9
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidea		ANNE	POER	Pholoe sp.		14	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Phylloidea		ANNE	POER	Pholoe tecta	92	44	27
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocidae	Eteoninae	ANNE	POER	Eteone barbata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidea	Polynoinae	ANNE	POER	Harmothoe extenuata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidea	Polynoinae	ANNE	POER	Harmothoe sp.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Euchone incolor	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.	1	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Cirratulidae indet.	5	10	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	7		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	Whole	BE-1-3	BE-1	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	7		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Laphania boeckii	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	Whole	BE-1-3	BE-1	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.	1		2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Mediomastus sp.	34	21	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Annelida	Polychaeta			Maldanidae	Maldaninae	ANNE	POSE	Maldane sarsi	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3													



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Arthropoda	Maxillopoda	Cyclopoida				ARTH	CRCO	Cyclopoida indet.	5		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Arthropoda	Maxillopoda	Harpacticoida				ARTH	CRCO	Harpacticoida indet.	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Lampropiidae		ARTH	CRCU	Lamprops fuscatus	4	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Leucon sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Arthropoda	Malacostraca	Mysida		Mysidae		ARTH	CRMY	Mysis sp.	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.	2	8	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Akanthophoreidae		ARTH	CRTA	Akanthophoreus sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Arthropoda	Insecta	Diptera		Chironomidae	Orthoclaadiinae	ARTH	INDI	Orthoclaadiinae indet.			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Nemertea	Anopla	Heteronemertea		Lineidae		MISC	NTEA	Cerebratulus sp.	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Nemertea	Enopla					MISC	NTEA	Enopla indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	21		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis		2	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	Whole	BE-1-3	BE-1	3	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis	3	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui		13	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	Whole	BE-1-3	BE-1	3	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.			12
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasira sp.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Mollusca	Bivalvia	Myida		Myidae		MOLL	MOBI	Mya truncata			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	Whole	BE-1-3	BE-1	3	17-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	Whole	BE-1-3	BE-1	3	17-Aug-18	Mollusca	Bivalvia	Mytiloidea	Mytiloidea	Mytilidae		MOLL	MOBI	Musculus discors	3	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	Whole	BE-1-3	BE-1	3	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Mollusca	Bivalvia	Nuculanoida	Nuculanoidea	Yoldiidae		MOLL	MOBI	Yoldiidae indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae		MOLL	MOBI	Serripes groenlandicus			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Mollusca	Gastropoda	Cephalaspidea				MOLL	MOGA	Cephalaspidea indet.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7/12	BE-1-3	BE-1	3	17-Aug-18	Mollusca	Gastropoda					MOLL	MOGA	Gastropoda indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea				ARTH	CRTA	Tanaidacea indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasiridae indet.		1	6
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	Whole	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	Whole	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	Whole	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	Whole	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta			Scalibregmatidae		ANNE	POSE	Scalibregma inflatum	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	Whole	BE-2-1	BE-2	1	17-Aug-18							MEMO	MEMO	Copepoda indet. (parasitic)	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18							MEMO	MEMO	Egg/egg mass	14		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18							MEMO	MEMO	Nematoda indet.	25		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	Whole	BE-2-1	BE-2	1	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Syllidae		ANNE	POER	Parexogone hebes	8		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Citellata	Enchytraeida		Enchytraeidae		ANNE	ANOL	Enchytraeida indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta	Eunicida		Dorvilleidae		ANNE	POER	Parugia caeca		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens	7		3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocidae		ANNE	POER	Nereimyra punctata	17	9	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae	Nereidinae	ANNE	POER	Bipalponephtys cornuta	13		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae		ANNE	POER	Nereis zonata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta	Phylloidea		Pholoidea		ANNE	POER	Pholoe minuta	3	7	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe sp.		9	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta	27	11	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocidae	Eteoninae	ANNE	POER	Eteone sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Gattyana cirrhosa	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Harmothoe sp.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Syllidae	Anoplosyllinae	ANNE	POER	Syllides longocirratatus	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	10	4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Dialycone sp. 1	3	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Sabellidae indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta	Spionida		Apistobranchidae		ANNE	POSE	Apistobranchus sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) steenstrupi	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Spio filicornis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae		ANNE	POSE	Ampharetidae indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Apelochaeta sp.	3	2	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	23	7	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone pigmentata		2	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.		5	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Cirratulidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Polycirrinae	ANNE	POSE	Polycirrus sp. complex			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	Whole	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Pista maculata	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Mediomastus sp.			



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta			Cossuridae		ANNE	POSE	Cossura sp.	7		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta			Maldanidae	Euclymeninae	ANNE	POSE	Euclymeninae indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta			Maldanidae	Maldaninae	ANNE	POSE	Maldane sarsi	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta			Opheliidae	Ophelininae	ANNE	POSE	Ophelina cylindricaudata	3	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta			Orbiniidae		ANNE	POSE	Scoloplos acutus		1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	Whole	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta			Orbiniidae		ANNE	POSE	Scoloplos armiger	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea hartmanae	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea minuta	6		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Annelida	Polychaeta			Scalibregmatidae		ANNE	POSE	Scalibregma inflatum	4	2	6
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Uristidae		ARTH	CRAM	Anonyx sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminidae		ARTH	CRAM	Guerneia nordenskioldi	6	8	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Eusiridae		ARTH	CRAM	Rhachotropis helleri	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Monoculodes sp.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Paroediceros lynceus	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Westwoodilla sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Arthropoda	Maxillopoda	Cyclopoida				ARTH	CRCO	Cyclopoida indet.	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Arthropoda	Maxillopoda	Harpacticoida				ARTH	CRCO	Harpacticoida indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis scorpioides		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Lampropiidae		ARTH	CRCU	Lamprops fuscatus	4	12	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Leucon sp.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Arthropoda	Malacostraca	Isopoda	Cymothooidea	Gnathiidae		ARTH	CRIS	Gnathiidae indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Arthropoda	Malacostraca	Mysida		Mysidae		ARTH	CRMY	Mysis sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.	8	9	7
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	Whole	BE-2-1	BE-2	1	17-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Pseudotanaididae		ARTH	CRTA	Pseudotanaid sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	Whole	BE-2-1	BE-2	1	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea				ARTH	CRTA	Tanaidacea indet.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Nemertea	Anopla					MISC	NTEA	Anopla indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	Whole	BE-2-1	BE-2	1	17-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	6		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	Whole	BE-2-1	BE-2	1	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	Whole	BE-2-1	BE-2	1	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasira sp.		6	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	Whole	BE-2-1	BE-2	1	17-Aug-18	Mollusca	Bivalvia	Myida		Myiidae		MOLL	MOBI	Mya truncata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoida	Nuculidae		MOLL	MOBI	Ennucula tenuis		2	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Mollusca	Gastropoda	Littorinimorpha	Naticoidea	Naticidae	Polinicinae	MOLL	MOGA	Euspira pallida			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1/2	BE-2-1	BE-2	1	17-Aug-18	Mollusca	Gastropoda					MOLL	MOGA	Gastropoda indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Nemertea	Anopla					MISC	NTEA	Anopla indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	Whole	BE-2-2	BE-2	2	17-Aug-18	Chordata	Pisces-Actinopterygii					MISC	PIXX	Pisces indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasiridae indet.		2	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Mollusca	Gastropoda	Cephalaspidea	Philinoidea	Cylichnidae		MOLL	MOGA	Cylichna sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Mollusca	Gastropoda			Trochidae		MOLL	MOGA	Trochidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	Whole	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	Whole	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone pigmentata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	Whole	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18							MEMO	MEMO	Egg/egg mass	8		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18							MEMO	MEMO	Nematoda indet.	57		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Syllidae		ANNE	POER	Parexogone hebes	9	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Clitellata	Enchytraeida		Enchytraeidae		ANNE	ANOL	Enchytraeidae indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta	Eunicida		Dorvilleidae		ANNE	POER	Parougia caeca	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens	11		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata	13	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponephrys cornuta	9		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae	Nereidinae	ANNE	POER	Nereis zonata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta	5	4	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe sp.		9	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta	16	18	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocidae	Eteoninae	ANNE	POER	Eteone longa complex	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Gattyana cirrhosa	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Syllidae	Anoplosyllinae	ANNE	POER	Syllides sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	16	4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Dialychone sp. 1	3	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Sabellidae indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) steenstrupi	5	3	1



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Lysippe labiata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Aphelochaeta sp.		4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	28		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone pigmentata	5	2	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone setosa complex	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.	2	6	6
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Cirratulidae indet.	1	1	6
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Leaena abranchiata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	Whole	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Pista maculata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Trichobanchidae	Trichobanchinae	ANNE	POSE	Terebellides sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Mediomastus sp.	5	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta			Cossuridae		ANNE	POSE	Cossura sp.	13	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta			Maldanidae	Maldaninae	ANNE	POSE	Maldane sarsi	5	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta			Orbiniidae		ANNE	POSE	Scoloplos acutus	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta			Orbiniidae		ANNE	POSE	Scoloplos sp.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea catherinae	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea hartmanae	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea minuta	6		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Annelida	Polychaeta			Scalibregmatidae		ANNE	POSE	Scalibregma inflatum	4	1	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Pontoporeioidea	Pontoporeiidae		ARTH	CRAM	Pontoporeia femorata		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminidae		ARTH	CRAM	Guernea nordenskioldi	11	6	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Paroediceros lynceus	1		3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Arthropoda	Maxillopoda	Sessilia				ARTH	CRCI	Balanomorpha indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Arthropoda	Maxillopoda	Cyclopoida				ARTH	CRCO	Cyclopoida indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Arthropoda	Maxillopoda	Harpacticoida				ARTH	CRCO	Harpacticoida indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis scorpioides	1	7	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylodes biplicatus			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.	6	5	5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea	Apseudoidea	Sphyrapodidae		ARTH	CRTA	Pseudosphyrapus anomalus	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Typhlotanidae		ARTH	CRTA	Typhlotanais sp.	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Tanaidacea indet.		ARTH	CRTA	Tanaidacea indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	Whole	BE-2-2	BE-2	2	17-Aug-18	Echinodermata	Echinoidea	Camarodonta	Odontophora	Strongylocentrotidae		ECHI	ECEC	Strongylocentrotus droebachiensis		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Nemertea	Anopla	Archinemertea		Cephalothricidae		MISC	NTEA	Cephalothrix sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Nemertea	Anopla	Heteronemertea		Lineidae		MISC	NTEA	Lineidae indet.	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Nemertea				Lineidae		MISC	NTEA	Nemertea indet.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Cephalorhyncha	Priapulida			Priapulidae		MISC	PRIA	Priapulius caudatus	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	Whole	BE-2-2	BE-2	2	17-Aug-18	Chordata	Ascidiacea	Stolidobranchia		Pyuridae		MISC	URAS	Boltenia echinata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	Whole	BE-2-2	BE-2	2	17-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	Whole	BE-2-2	BE-2	2	17-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	Whole	BE-2-2	BE-2	2	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui	2	2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	Whole	BE-2-2	BE-2	2	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui	2	4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasira sp.		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya sp.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	Whole	BE-2-2	BE-2	2	17-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana sp.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculanoidea indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Mollusca	Bivalvia	Nuculanoida	Nuculanoidea	Yoldiidae		MOLL	MOBI	Yoldiidae indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidea	Nuculidae		MOLL	MOBI	Nuculida tenuis		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae	Clinocardiinae	MOLL	MOBI	Ciliatocardium ciliatum			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.			5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Mollusca	Gastropoda	Cephalaspidea				MOLL	MOGA	Cephalaspidea indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5/12	BE-2-2	BE-2	2	17-Aug-18	Mollusca	Gastropoda	Littorinimorpha	Naticoidea	Naticidae	Polinicinae	MOLL	MOGA	Euspira pallida		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Cnidaria	Hydrozoa	Limnomedusae		Olindiidae		MISC	CNHY	Monobrachium parasitum	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae		ANNE	POSE	Terebellidae indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda				ARTH	CRAM	Amphipoda indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Leuconidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Nemertea	Anopla	Heteronemertea		Lineidae		MISC	NTEA	Cerebratulus sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Mollusca	Caudofoveata	Chaetodermatida		Chaetodermatidae		MOLL	MOAP	Chaetoderma sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasiridae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Mollusca	Gastropoda	Littorinimorpha		Rissoidae		MOLL	MOGA	Rissoidae indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Tryphosidae		ARTH	CRAM	Tryphosidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Syllidae		ANNE	POER	Parexogone hebes	7		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18							MEMO	MEMO	Egg/egg mass	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	Whole	BE-2-3	BE-2	3	17-Aug-18							MEMO	MEMO	Hyperiidae indet. (planktonic)	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18							MEMO	MEMO	Nematoda indet.	40		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Clitellata										



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	Whole	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens	3	3	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata	5	1	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponephyts cornuta	7		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	Whole	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae	Nereidinae	ANNE	POER	Nereis zonata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae		ANNE	POER	Nereididae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta	3	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe sp.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta	24	7	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocidae	Eteoninae	ANNE	POER	Eteone sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocidae	Polynoinae	ANNE	POER	Gattiana cirrhosa	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	Whole	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Gattiana cirrhosa	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Galathowenia oculata	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Owenia fusiformis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabelliidae	Sabellinae	ANNE	POSE	Euchone incolor	8	2	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabelliidae		ANNE	POSE	Dialychone sp. 1	5		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabelliidae		ANNE	POSE	Sabelliidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabelliidae		ANNE	POSE	Sabelliidae sp. 3	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Spionida		Apistobrachidae		ANNE	POSE	Apistobrachus sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Dipolydora sp.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) steenstrupi	11	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Pygospio sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae		ANNE	POSE	Ampharetidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Aphelochaeta sp.	1	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	31	7	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone pigmentata			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone setosa complex	1	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.	2	4	9
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Cirratulidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	3	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	Whole	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Pectinaria granulata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	Whole	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Pista maculata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	Whole	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Capitellidae		ANNE	POSE	Capitella capitata complex	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Capitellidae		ANNE	POSE	Mediomastus sp.	1	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Coscuridae		ANNE	POSE	Coscura sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Maldanidae	Euclymeninae	ANNE	POSE	Microclymene sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Maldanidae	Maldaninae	ANNE	POSE	Maldane sarsi	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Maldanidae		ANNE	POSE	Maldanidae indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Orbiniidae		ANNE	POSE	Scoloplos acutus	1	1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	Whole	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Orbiniidae		ANNE	POSE	Scoloplos armiger	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Paraonidae		ANNE	POSE	Aricidea hartmanae	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Paraonidae		ANNE	POSE	Aricidea minuta	6		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Scalibregmatidae		ANNE	POSE	Scalibregma inflatum	1	1	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Amphilochoidea	Amphilochidae		ARTH	CRAM	Amphilochus sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	Whole	BE-2-3	BE-2	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Uristidae		ARTH	CRAM	Anonyx sarsi	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Uristidae		ARTH	CRAM	Anonyx sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminidae		ARTH	CRAM	Guerneia nordenskioldi	13	11	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Monoculodes sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Paroediceros lynceus			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Arthropoda	Maxillopoda	Cyclopoida		Cyclopoida indet.		ARTH	CRCO	Cyclopoida indet.	7		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Arthropoda	Maxillopoda	Harpacticoida		Harpacticoida indet.		ARTH	CRCO	Harpacticoida indet.	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis scorioides	1		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis scorioides			14
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Lampropidae		ARTH	CRCU	Lamprops fuscatus	2	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Eudorella truncatula	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	Whole	BE-2-3	BE-2	3	17-Aug-18	Arthropoda	Malacostraca	Decapoda	Alpheoidea	Thoridae		ARTH	CRDE	Lebbeus polaris	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	Whole	BE-2-3	BE-2	3	17-Aug-18	Arthropoda	Malacostraca	Decapoda	Crangonoidea	Crangonidae		ARTH	CRDE	Sclerocrangon boreas	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.	16	21	12
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea	Apseudoidea	Sphyrapodidae		ARTH	CRTA	Pseudosphyrapus anomalus	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Akanthophoreidae		ARTH	CRTA	Akanthophoreus sp.	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Pseudotanaididae		ARTH	CRTA	Pseudotanais sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	Whole	BE-2-3	BE-2	3	17-Aug-18	Echinodermata	Ophiuroidea	Ophiurida		Ophiuridae	Ophiurinae	ECHI	ECOP	Ophiura sarsii			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Nemertea	Enopla					MISC	NTEA	Enopla indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	Whole	BE-2-3	BE-2	3	17-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Mollusca											



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	Whole	BE-2-3	BE-2	3	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	Whole	BE-2-3	BE-2	3	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui		7	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasira sp.	1	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	Whole	BE-2-3	BE-2	3	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	Whole	BE-2-3	BE-2	3	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana pernula	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea			MOLL	MOBI	Nuculanoidea indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Mollusca	Bivalvia	Nuculanoida	Nuculanoidea			MOLL	MOBI	Yoldiidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidea	Nuculidae		MOLL	MOBI	Ennucula tenuis	1	1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	Whole	BE-2-3	BE-2	3	17-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidea	Nuculidae		MOLL	MOBI	Ennucula tenuis	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	Whole	BE-2-3	BE-2	3	17-Aug-18	Mollusca	Bivalvia	Nuculida	Pectinoidea	Pectinussidae		MOLL	MOBI	Similipecten greenlandicus	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	Whole	BE-2-3	BE-2	3	17-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae	Clinocardiinae	MOLL	MOBI	Ciliatocardium ciliatum		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1/3	BE-2-3	BE-2	3	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	Whole	BE-2-3	BE-2	3	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea	1	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	Whole	BE-2-3	BE-2	3	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma moesta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	Whole	BE-2-3	BE-2	3	17-Aug-18	Mollusca	Gastropoda		Lottioidae	Lepetidae		MOLL	MOGA	Lepeta caeca	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	Whole	BE-3-1	BE-3	1	17-Aug-18	Arthropoda	Maxillopoda		Sessilia			ARTH	CRCI	Balanomorpha indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	Whole	BE-3-1	BE-3	1	17-Aug-18	Hydrozoa	Cnidaria		Limnomedusae			MISC	CNHY	Monobrachium parasitum	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Chordata	Ascidiacea		Phlebobranchia	Ascidiidae		MISC	URAS	Ascidia sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Mollusca	Gastropoda					MOLL	MOGA	Gastropoda indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	Whole	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Cirratulidae indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Mollusca	Gastropoda	Neogastropoda	Buccinoidea	Columbellidae		MOLL	MOGA	Columbellidae indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Tryphosidae		ARTH	CRAM	Tryphosidae indet.			6
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Syllidae		ANNE	POER	Parexogone hebes	8		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Mollusca	Gastropoda	Littorinimorpha	Capuloidea	Capulidae		MOLL	MOGA	Ariadnaria borealis		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18							MEMO	MEMO	Egg/egg mass	8		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18							MEMO	MEMO	Nematoda indet.	64		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Clitellata	Enchytraeida		Enchytraeidae		ANNE	ANOL	Enchytraeidae indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis	5		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata	7	4	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponephytus cornuta	4	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae	Nereidinae	ANNE	POER	Nereis zonata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta	16	12	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe sp.	8	19	8
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta	59	30	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocidae	Eteoninae	ANNE	POER	Eteone longa complex	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	Whole	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidea	Polynoinae	ANNE	POER	Gattyana cirrhosa	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidea	Polynoinae	ANNE	POER	Harmothoe extenuata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	Whole	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidea	Polynoinae	ANNE	POER	Harmothoe extenuata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidea	Polynoinae	ANNE	POER	Harmothoe imbricata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidea	Polynoinae	ANNE	POER	Harmothoe sp.		7	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euichone incolor	1	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Dialychone sp. 1			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Sabellidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Sabellidae sp. 4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Dipolydora quadrilobata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Dipolydora sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta	Terebellida	Ampharetidae		Ampharetinae	ANNE	POSE	Ampharete sp.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Aphelochaeta sp.	1	2	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	9		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone setosa complex	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Cirratulidae indet.		4	9
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Tharyx sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	Whole	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	8		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Polycirrinae	ANNE	POSE	Polycirrus sp. complex	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Laphania boeckii	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Pista maculata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta	Terebellida	Trichobranchidae		Trichobranchinae	ANNE	POSE	Terebellides sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Capitella capitata complex	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Mediomastus sp.	27	14	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta			Cossuridae		ANNE	POSE	Cossura sp.	8		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta			Maldanidae	Maldaninae	ANNE	POSE	Maldane sarsi	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta			Orbiniidae		ANNE	POSE	Scoloplos sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3														



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Annelida	Polychaeta			Scalibregmatidae		ANNE	POSE	Scalibregma inflatum	1	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Calliopioidea	Calliopiidae		ARTH	CRAM	Calliopiidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Uristidae		ARTH	CRAM	Anonyx sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Pontoporeioidea	Pontoporeiidae		ARTH	CRAM	Pontoporeia femorata	2	1	5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminidae		ARTH	CRAM	Guerneia nordenskioldi	7	7	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Monoculodes sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Paroediceros lynceus	1	3	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Arthropoda	Maxillopoda	Cyclopoida				ARTH	CRCO	Cyclopoida indet.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Arthropoda	Maxillopoda	Harpacticoida				ARTH	CRCO	Harpacticoida indet.	6		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Brachydiastylis resima	3	1	11
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis scorpioides	2	3	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylodes biplicatus			12
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Lampropiidae		ARTH	CRCU	Lamprops fuscatus	10	4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.	6	5	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Typhlotanaidae		ARTH	CRTA	Typhlotanis sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Echinodermata	Echinoidea	Camarodonta	Odontophora	Strongylocentrotidae		ECHI	ECEC	Strongylocentrotus droebachiensis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Cephalorhyncha	Priapulida			Priapulidae		MISC	PRIA	Priapulid sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica		2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis		2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui		3	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui	3	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasira sp.	1	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasiridae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Mollusca	Bivalvia	Myida		Myidae		MOLL	MOBI	Mya truncata		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Mollusca	Bivalvia	Mytiliida	Mytiloidea	Mytilidae		MOLL	MOBI	Crenella faba		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Mollusca	Bivalvia	Mytilioida	Mytiloidea	Mytilidae		MOLL	MOBI	Musculus discors		1	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanioidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	3	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae	Clinocardiinae	MOLL	MOBI	Ciliatocardium ciliatum			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae	Clinocardiinae	MOLL	MOBI	Ciliatocardium ciliatum		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae		MOLL	MOBI	Serripes groenlandicus		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcaria	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma moesta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Mollusca	Gastropoda	Cephalaspidea				MOLL	MOGA	Cephalaspidea indet.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7/12	BE-3-1	BE-3	1	17-Aug-18	Mollusca	Gastropoda	Littorinimorpha	Velutinoidea	Velutinidae		MOLL	MOGA	Velutinidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	Whole	BE-3-2	BE-3	2	17-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae	Clinocardiinae	MOLL	MOBI	Ciliatocardium ciliatum	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	Whole	BE-3-2	BE-3	2	17-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae		MOLL	MOBI	Serripes groenlandicus	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Mollusca	Bivalvia					MOLL	MOBI	Bivalvia indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Mollusca	Bivalvia					MOLL	MOBI	Thyasiridae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Tryphosidae		ARTH	CRAM	Orchomene sp.	1		8
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Syllidae		ANNE	POER	Parexogone hebes	8	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18							MEMO	MEMO	Calanoida indet. (planktonic)	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18							MEMO	MEMO	Egg/egg mass	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18							MEMO	MEMO	Nematoda indet.	75		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Lumbrineridae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens	7		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata	3	1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponephtys cornuta	6		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae		ANNE	POER	Nereididae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidea		ANNE	POER	Pholoe minuta	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	Whole	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidea		ANNE	POER	Pholoe minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidea		ANNE	POER	Pholoe sp.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidea		ANNE	POER	Pholoe tecta	23	18	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	Whole	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidea	Polynoinae	ANNE	POER	Gattyana cirrhosa	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidea	Polynoinae	ANNE	POER	Harmothoe extenuata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	Whole	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidea	Polynoinae	ANNE	POER	Harmothoe extenuata	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	17		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Dialychone sp. 1	5		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Sabellidae indet.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	Whole	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Sabellidae sp. 2			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae	Spionobrachnidae	ANNE	POSE	Apistobranchus sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Pygospio sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae		ANNE	POSE	Ampharetidae indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Aphelocheata sp.		1	2



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	16		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone pigmentata	1		2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.			7
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Cirratulidae indet.		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	Whole	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Polycirrinae	ANNE	POSE	Polycirrus sp. complex		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	Whole	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Lanassa venusta venusta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Laphania boecki	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Pista maculata			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	Whole	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Pista maculata	6		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Proclea graffi	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Terebellidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.	1	1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	Whole	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Mediomastus sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta			Cossuridae		ANNE	POSE	Cossura sp.	9	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta			Maldanidae	Maldaninae	ANNE	POSE	Maldane sarsi	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta			Maldanidae	Maldaninae	ANNE	POSE	Maldane sarsi	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta			Orbiniidae		ANNE	POSE	Scoloplos acutus	3	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea minuta	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea nolani	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Annelida	Polychaeta			Scalibregmatidae		ANNE	POSE	Scalibregma inflatum	1	2	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Uristidae		ARTH	CRAM	Anonyx sp.	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Pontoporeioidea	Pontoporeiidae		ARTH	CRAM	Pontoporeia femorata	1	1	6
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	Whole	BE-3-2	BE-3	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Ampeliscidae		ARTH	CRAM	Haploops tubicola	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminidae		ARTH	CRAM	Guerneia nordenskioldi	9	7	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Paroediceros lynceus	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda				ARTH	CRAM	Amphipoda indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRUC	Brachydiastylis resima	7	12	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRUC	Diastylidae indet.			10
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRUC	Diastylis lucifera	6	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	Whole	BE-3-2	BE-3	2	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRUC	Diastylis scorpioides	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Lampropididae		ARTH	CRUC	Lamprops fuscatus	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRUC	Eudorella truncatula	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRUC	Leucon sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Arthropoda	Malacostraca	Isopoda	Cymothooidea	Gnathiidae		ARTH	CRIS	Gnathiidae indet.	1		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Arthropoda	Malacostraca	Isopoda	Janiroidea	Munnopsidae	Eurycopinae	ARTH	CRIS	Munnops sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.	15	14	25
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Pseudotanaididae		ARTH	CRTA	Pseudotanaid sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Typhlotanais		ARTH	CRTA	Typhlotanais sp.		4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	Whole	BE-3-2	BE-3	2	17-Aug-18	Echinodermata	Echinoidea	Camarodonta	Odontophora	Strongylocentrotidae		ECHI	ECEC	Strongylocentrotus sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	Whole	BE-3-2	BE-3	2	17-Aug-18	Echinodermata	Ophiuroidea	Ophiurida		Ophiuridae	Ophiurinae	ECHI	ECOP	Ophiura sarsii		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Bryozoa	Stenolaemata	Cyclostomatida				MISC	BRYO	Cyclostomatida indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Nemertea	Enopla	Heteronemertea		Lineidae		MISC	NTEA	Cerebratulus sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Nemertea	Enopla					MISC	NTEA	Enopla indet.	1		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	Whole	BE-3-2	BE-3	2	17-Aug-18	Nemertea	Enopla					MISC	NTEA	Enopla indet.			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	Whole	BE-3-2	BE-3	2	17-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis		1	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	Whole	BE-3-2	BE-3	2	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	Whole	BE-3-2	BE-3	2	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasira sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	3	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	Whole	BE-3-2	BE-3	2	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidea	Nuculidae		MOLL	MOBI	Ennucula tenuis	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	Whole	BE-3-2	BE-3	2	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea	1	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma moesta	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1/4	BE-3-2	BE-3	2	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.			7
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	Whole	BE-3-3	BE-3	3	17-Aug-18	Cnidaria	Hydrozoa	Limnomedusae		Olindiidae		MISC	CNHY	Monobrachium parasitum	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae		MOLL	MOBI	Serripes groenlandicus			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Tryphosidae		ARTH	CRAM	Tryphosidae indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Syllidae		ANNE	POER	Parexogone hebes	15	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18							MEMO	MEMO	Copepoda indet. (parasitic)	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18							MEMO	MEMO	Nematoda indet.	76		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Annelida	Clitellata	Enchytraeida		Enchytraeidae		ANNE	ANOL	Enchytraeidae indet.	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens	4	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata		4	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta										



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae	Nereidinae	ANNE	POER	Nereis zonata			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	Whole	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae	Nereidinae	ANNE	POER	Nereis zonata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta	10	5	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta	47	19	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	Whole	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidea	Polynoinae	ANNE	POER	Gattyana cirrhosa	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	8	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Dialychone sp. 1		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Sabellidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Sabellidae sp. 3		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) steenstrupi	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Pygospio sp.	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Spio filicornis		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.	4	2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharetidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Aphelochaeta sp.	1	4	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone setosa complex	2	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Cirratulidae indet.		2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	Whole	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	18		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	Whole	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Pista maculata	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Terebellidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.	2	1	7
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	Whole	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Capitella capitata complex	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Mediomastus sp.	12	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta			Cosuridae		ANNE	POSE	Cosura sp.	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta			Orbiniidae		ANNE	POSE	Orbiniidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea minuta	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Annelida	Polychaeta			Scalibregmatidae		ANNE	POSE	Scalibregma inflatum	1	1	6
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Arthropoda	Arachnida	Acarina	Halacaroidae	Halacaridae		ARTH	CHAR	Halacaridae indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Pontoporeioidea	Pontoporeiidae		ARTH	CRAM	Pontoporeia femorata		1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	Whole	BE-3-3	BE-3	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Pontoporeioidea	Pontoporeiidae		ARTH	CRAM	Pontoporeia femorata		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminidae		ARTH	CRAM	Guerneia nordenskioldi	6	6	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Paroediceros lynceus			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Westwoodilla sp.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Arthropoda	Maxillopoda	Cyclopoida				ARTH	CRCO	Cyclopoida indet.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Brachydiastylis resima	14	27	43
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	Whole	BE-3-3	BE-3	3	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis rathkei	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Lampropididae		ARTH	CRCU	Lamprops fuscatus	7		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Leucon sp.	1		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Arthropoda	Malacostraca	Mysida		Mysidae		ARTH	CRMY	Mysis sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.	5	9	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Pseudotanaididae		ARTH	CRTA	Pseudotanaid sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Typhlotanaididae		ARTH	CRTA	Typhlotanaid sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Nemertea	Anopla	Heteronemertea		Lineidae		MISC	NTEA	Cerebratulus sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Nemertea	Enopla					MISC	NTEA	Enopla indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	Whole	BE-3-3	BE-3	3	17-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	Whole	BE-3-3	BE-3	3	17-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	Whole	BE-3-3	BE-3	3	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis	2	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui	2	1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	Whole	BE-3-3	BE-3	3	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui	4	4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasira sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Mollusca	Bivalvia	Myida		Myidae		MOLL	MOBI	Mya sp.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	Whole	BE-3-3	BE-3	3	17-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	Whole	BE-3-3	BE-3	3	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma moesta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Mollusca	Bivalvia					MOLL	MOBI	Bivalvia indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	5/24	BE-3-3	BE-3	3	17-Aug-18	Mollusca	Gastropoda	Cephalaspidea				MOLL	MOGA	Cephalaspidea indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	Whole	BE-4-1	BE-4	1	17-Aug-18	Cnidaria	Hydrozoa	Limnomedusae		Olindiidae		MISC	CNHY	Monobranchium parasitum	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	Whole	BE-4-1	BE-4	1	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Oedicerotidae indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010																	



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	Whole	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Euchone rubrocincta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	Whole	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Dipolydora concharum	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	Whole	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	Whole	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	Whole	BE-4-1	BE-4	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminidae		ARTH	CRAM	Guerneia nordenskioldi		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	Whole	BE-4-1	BE-4	1	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Brachydiastylis resima	1	4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Syllidae		ANNE	POER	Parexogone hebes	19	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18							MEMO	MEMO	Calanoida indet. (planktonic)	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18							MEMO	MEMO	Egg/egg mass	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18							MEMO	MEMO	Nematoda indet.	55		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens	4	1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocida		ANNE	POER	Nereimyra punctata	2	4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponephtys cornuta	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta	3	1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocidae	Eteoninae	ANNE	POER	Pholoe tecta	30	13	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	Whole	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Harmothoe extenuata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Harmothoe sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	9	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Dialychone sp. 1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Sabellidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta	Spionida		Apistobrachidae		ANNE	POSE	Apistobrachus sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) steenstrupi	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Pygospio sp.	3	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Spio filicornis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Aphelochaeta sp.	4	2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	9	1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	Whole	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone pigmentata	1	1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Chaetozone sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Lanassa venusta venusta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	Whole	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Pista maculata	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae		ANNE	POSE	Terebellidae indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.	3	1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	Whole	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Mediomastus sp.	3	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta			Coscuridae		ANNE	POSE	Coscura sp.	6		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta			Maldanidae	Euclymeninae	ANNE	POSE	Euclymeninae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta			Maldanidae	Euclymeninae	ANNE	POSE	Microclymene sp.	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta			Maldanidae	Euclymeninae	ANNE	POSE	Praxillella praetermissa		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	Whole	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta			Opheliidae	Maldaninae	ANNE	POSE	Maldane sarsi	9		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta			Opheliidae	Ophelininae	ANNE	POSE	Ophelina acuminata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta			Orbiniidae		ANNE	POSE	Orbiniidae indet.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta			Orbiniidae		ANNE	POSE	Scoloplos acutus	1	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Annelida	Polychaeta			Scalibregmatidae		ANNE	POSE	Scalibregma inflatum	1	1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Uristidae		ARTH	CRAM	Anonyx sarsi	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Pontoporeioidea	Pontoporeiidae		ARTH	CRAM	Pontoporeia femorata	1		2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Ampeliscidae		ARTH	CRAM	Haploops tubicola	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminidae		ARTH	CRAM	Guerneia nordenskioldi	8	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Westwoodilla sp.		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Arthropoda	Maxillopoda	Cyclopoida				ARTH	CRCU	Cyclopoida indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Brachydiastylis resima	33	46	11
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis ratkai	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis scorpioides		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis sp.			37
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylodes biplicatus		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Eudorella truncatula	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Leucon sp.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Arthropoda	Malacostraca	Isopoda	Cymothoidea	Gnathiidae		ARTH	CRIS	Gnathiidae indet.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Arthropoda	Ostracoda	Myodocopida		Phlomedidae		ARTH	CROS	Phlomedes sp.	7	4	13
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Akanthophoreidae		ARTH	CRTA	Akanthophoreus sp.	5	9	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Pseudotanaididae		ARTH	CRTA	Pseudotanaid sp.	5		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea				ARTH	CRTA	Tanaidacea indet.		14	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Echinodermata	Ophiuroidea	Ophiurida		Ophiuridae		ECHI	ECOP	Ophiuridae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Nemertea	Anopla	Archinemertea		Cephalothricidae		MISC	NTEA	Cephalothrix sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Nemertea	Enopla					MISC	NTEA	Enopla indet.	2		5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	Whole	BE-4-1	BE-4	1	17-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	6		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis		3	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	Whole	BE-4-1	BE-4	1	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasiridae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	Whole	BE-4-1	BE-4	1	17-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidea	Nuculidae		MOLL	MOBI	Ennucula tenuis		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	Whole	BE-4-1	BE-4	1	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea		2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	Whole	BE-4-1	BE-4	1	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma moesta		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Bivalvia indet.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4/12	BE-4-1	BE-4	1	17-Aug-18	Mollusca	Gastropoda					MOLL	MOGA	Gastropoda indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda			Oedicerotidae	ARTH	CRAM	Oedicerotidae indet.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Arthropoda	Malacostraca	Cumacea				ARTH	CRCU	Cumacea indet.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea				ARTH	CRTA	Tanaidacea indet.		4	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasiridae indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Mollusca	Gastropoda	Cephalaspidea				MOLL	MOGA	Cephalaspidea indet.		3	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Mollusca	Gastropoda	Trochida	Trochoidea	Margaritidae		MOLL	MOGA	Margarites sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida			Syllidae	ANNE	POER	Parexogone hebes		7	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida				MEMO	MEMO	Nematoda indet.		29	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Clitellata	Enchytraeida			Enchytraeidae	ANNE	ANOL	Enchytraeidae indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Eunicida			Lumbrineridae	ANNE	POER	Lumbrineridae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Eunicida			Lumbrineridae	ANNE	POER	Scoletoma impatiens		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida			Hesionidae	ANNE	POER	Nereimyra punctata		2	6
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida			Nephtyidae	ANNE	POER	Bipalponephtys cornuta		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida			Pholoidae	ANNE	POER	Pholoe minuta		8	14
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida			Pholoidae	ANNE	POER	Pholoe sp.			21
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida			Pholoidae	ANNE	POER	Pholoe tecta		53	22
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida			Polynoidea	ANNE	POER	Gattyana cirrhosa		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	Whole	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida			Polynoidea	ANNE	POER	Gattyana cirrhosa		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida			Polynoidea	ANNE	POER	Harmothoe imbricata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida			Polynoidea	ANNE	POER	Harmothoe sp.		1	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida			Polynoidea	ANNE	POER	Harmothoe sp.		1	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Sabellida			Oweniidae	ANNE	POSE	Galathowenia oculata			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Sabellida			Sabellidae	ANNE	POSE	Euchone incolor		9	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	Whole	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Sabellida			Sabellidae	ANNE	POSE	Bispira sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Sabellida			Sabellidae	ANNE	POSE	Dialychone sp. 1		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Sabellida			Sabellidae	ANNE	POSE	Sabellidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Spionida			Spionidae	ANNE	POSE	Dipolydora quadrilobata		4	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Spionida			Spionidae	ANNE	POSE	Prionospio (Prionospio) steenstrupi		8	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Spionida			Spionidae	ANNE	POSE	Pygospio sp.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Terebellida			Cirratulidae	ANNE	POSE	Aphelochaeta sp.		2	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Terebellida			Cirratulidae	ANNE	POSE	Chaetozone bathyala		6	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Terebellida			Cirratulidae	ANNE	POSE	Chaetozone sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Terebellida			Cirratulidae	ANNE	POSE	Cirratulidae indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Terebellida			Pectinariidae	ANNE	POSE	Cistenides granulata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	Whole	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Terebellida			Pectinariidae	ANNE	POSE	Cistenides granulata		13	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Terebellida			Terebellidae	ANNE	POSE	Laphania boeckii		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Terebellida			Trichobrachnidae	ANNE	POSE	Terebellides sp.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	Whole	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Terebellida			Trichobrachnidae	ANNE	POSE	Terebellides sp.		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Capitellidae			Capitellidae	ANNE	POSE	Capitella capitata complex		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Capitellidae			Capitellidae	ANNE	POSE	Mediomastus sp.		8	6
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Coscuridae			Coscuridae	ANNE	POSE	Coscura sp.		8	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Maldanidae			Maldanidae	ANNE	POSE	Euclymeninae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Maldanidae			Maldanidae	ANNE	POSE	Praxillella praetermissa			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Maldanidae			Maldanidae	ANNE	POSE	Maldane sarsi		9	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Orbiniidae			Orbiniidae	ANNE	POSE	Scoloplos sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Paraonidae			Paraonidae	ANNE	POSE	Aricidea minuta		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Paraonidae			Paraonidae	ANNE	POSE	Aricidea nolani		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Annelida	Polychaeta	Scalibregmatidae			Scalibregmatidae	ANNE	POSE	Scalibregma inflatum			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea			ARTH	CRAM	Onisimus sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Pontoporeioidea			ARTH	CRAM	Pontoporeia femorata			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	Whole	BE-4-2	BE-4	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda			Atylidae	ARTH	CRAM	Atylus carinatus		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda			Dexaminidae	ARTH	CRAM	Guerneia nordenskioldi		10	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda			Oedicerotidae	ARTH	CRAM	Paroediceros lynceus		1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	Whole	BE-4-2	BE-4	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda									



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Arthropoda	Maxillopoda	Cyclopoida				ARTH	CRCO	Cyclopoida indet.	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Arthropoda	Maxillopoda	Harpacticoida				ARTH	CRCO	Harpacticoida indet.	6		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Brachydiastylis resima	3	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylidae indet.		3	15
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis rathkei	14	9	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Lampropidae		ARTH	CRCU	Lampropidae indet.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Lampropidae		ARTH	CRCU	Lamprops fuscatus	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Leucon sp.	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Arthropoda	Malacostraca	Mysida				ARTH	CRMY	Mysis sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.	12	17	24
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea	Apseudoidea	Sphyrapodidae		ARTH	CRTA	Pseudosphyrapus anomalus	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea	Apseudoidea	Akanthophoreidae		ARTH	CRTA	Akanthophoreus sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea	Apseudoidea	Pseudotanaidae		ARTH	CRTA	Pseudotanais sp.	13		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea	Apseudoidea	Typhlotanidae		ARTH	CRTA	Typhlotanis sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Nemertea	Anopla	Archinemertea		Cephalothricidae		MISC	NTEA	Cephalothrix sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	Whole	BE-4-2	BE-4	2	17-Aug-18	Chordata	Asciacea	Stolidobranchia		Styelidae		MISC	URAS	Polycarpa fibrosa	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica		3	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	Whole	BE-4-2	BE-4	2	17-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	16		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	Whole	BE-4-2	BE-4	2	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis	1	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui		4	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	Whole	BE-4-2	BE-4	2	17-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Mollusca	Bivalvia	Mytilida	Mytiloidea	Mytilidae		MOLL	MOBI	Crenella faba	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Mollusca	Bivalvia	Mytiloidea	Mytiloidea	Mytilidae		MOLL	MOBI	Musculus discors		1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	Whole	BE-4-2	BE-4	2	17-Aug-18	Mollusca	Bivalvia	Mytiloidea	Mytiloidea	Mytilidae		MOLL	MOBI	Musculus discors	5	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidea	Nuculidae		MOLL	MOBI	Nucula tenuis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	Whole	BE-4-2	BE-4	2	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Bivalvia indet.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Mollusca	Gastropoda	Littorinimorpha	Naticoidea	Naticidae	Polinicinae	MOLL	MOGA	Euspira pallida		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1/4	BE-4-2	BE-4	2	17-Aug-18	Mollusca	Gastropoda	Littorinimorpha	Naticoidea	Naticidae	Polinicinae	MOLL	MOGA	Gastropoda indet.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	Whole	BE-4-3	BE-4	3	17-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata	1	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylidae indet.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Echinodermata	Ophiuroidea	Ophiurida		Ophiuridae		ECHI	ECOP	Ophiuridae indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Mollusca	Bivalvia	Mytiloidea	Mytiloidea	Mytilidae		MOLL	MOBI	Musculus discors			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Tryphosidae		ARTH	CRAM	Tryphosidae indet.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta	Phyllococida		Syllidae		ANNE	POER	Parexogone hebes	5		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18							MEMO	MEMO	Egg/egg mass	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18							MEMO	MEMO	Nematoda indet.	107		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Annelida	Clitellata	Enchytraeida		Enchytraeidae		ANNE	ANOL	Enchytraeidae indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens	7	2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta	Phyllococida		Hesionidae		ANNE	POER	Nereimyra punctata	2	2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta	Phyllococida		Nephtyidae		ANNE	POER	Bipalponephtys cornuta	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	Whole	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta	Phyllococida		Nereididae	Nereidinae	ANNE	POER	Nereis zonata	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta	Phyllococida		Pholoidae		ANNE	POER	Pholoe minuta	10	8	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta	Phyllococida		Pholoidae		ANNE	POER	Pholoe sp.		6	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta	Phyllococida		Pholoidae		ANNE	POER	Pholoe tecta	81	20	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta	Phyllococida		Phyllococidae	Eteoninae	ANNE	POER	Eteone sp.	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	Whole	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta	Phyllococida		Phyllococidae		ANNE	POER	Eteone flava	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta	Phyllococida		Polynoidae	Polynoinae	ANNE	POER	Harmothoe imbricata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	Whole	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta	Phyllococida		Polynoidae	Polynoinae	ANNE	POER	Harmothoe imbricata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta	Phyllococida		Polynoidae	Polynoinae	ANNE	POER	Harmothoe sp.		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	Whole	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Dialychone sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Sabellidae indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Aphelocheata sp.	6	1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Cirratulidae indet.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Flabelligeridae		ANNE	POSE	Diplocirrus hirsutus	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	Whole	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae		ANNE	POSE	Cistenides granulata	11		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Polycirrinae	ANNE	POSE	Polycirrus sp. complex			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Laphania boeckii			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	Whole	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Laphania boeckii	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	Whole	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Pista maculata	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae		ANNE	POSE	Terebellidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.		1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	Whole	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4																



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Mediomastus sp.	10	6	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta			Coscurridae		ANNE	POSE	Coscura sp.	5		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta			Maldanidae	Maldaninae	ANNE	POSE	Maldane sarsi	6		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	Whole	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta			Maldanidae	Maldaninae	ANNE	POSE	Maldane sarsi	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea minuta	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea nolani	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta			Scalibregmatidae		ANNE	POSE	Scalibregma inflatum	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	Whole	BE-4-3	BE-4	3	17-Aug-18	Annelida	Polychaeta			Scalibregmatidae		ANNE	POSE	Scalibregma inflatum	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Arthropoda	Arachnida	Acarina	Halacaroidae	Halacaridae		ARTH	CHAR	Halacaridae indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Uristidae		ARTH	CRAM	Anonyx sarsi		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	Whole	BE-4-3	BE-4	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Uristidae		ARTH	CRAM	Anonyx sarsi	10		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Uristidae		ARTH	CRAM	Anonyx sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Uristidae		ARTH	CRAM	Onisimus sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Pontoporeioidea	Pontoporeiidae		ARTH	CRAM	Pontoporeia femorata	2	3	10
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	Whole	BE-4-3	BE-4	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Pontoporeioidea	Pontoporeiidae		ARTH	CRAM	Pontoporeia femorata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminidae		ARTH	CRAM	Guerneia nordenskioldi	9	14	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Arthropoda	Maxillopoda	Cyclopoida		Cyclopoida		ARTH	CRCO	Cyclopoida indet.	6		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Arthropoda	Maxillopoda	Harpacticoida		Harpacticoida		ARTH	CRCO	Harpacticoida indet.	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Cumacea	Diastylidae	ARTH	CRCU	Brachydiastylis resima	20	29	21
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Cumacea	Diastylidae	ARTH	CRCU	Diastylis rathkei	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.	8	14	14
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Akanthophoreidae		ARTH	CRTA	Akanthophoreus sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Pseudotanaididae		ARTH	CRTA	Pseudotanaid sp.	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	Whole	BE-4-3	BE-4	3	17-Aug-18	Echinodermata	Ophiuroidea	Ophiurida		Ophiuridae	Ophiurinae	ECHI	ECOP	Ophiura sarsii			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Nemertea	Enopla			Enopla		MISC	NTEA	Enopla indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	Whole	BE-4-3	BE-4	3	17-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	Whole	BE-4-3	BE-4	3	17-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	20		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	Whole	BE-4-3	BE-4	3	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis	5	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui	2	2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	Whole	BE-4-3	BE-4	3	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasira sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	Whole	BE-4-3	BE-4	3	17-Aug-18	Mollusca	Bivalvia	Mytiloida	Mytiloidea	Mytilidae		MOLL	MOBI	Musculus discors			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Bivalvia indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1/4	BE-4-3	BE-4	3	17-Aug-18	Mollusca	Gastropoda	Cephalaspidea		Cephalaspidea		MOLL	MOGA	Cephalaspidea indet.		2	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasiridae indet.			5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	Whole	BE-5-1	BE-5	1	17-Aug-18	Annelida	Polychaeta			Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Annelida	Polychaeta			Syllidae		ANNE	POER	Parexogone hebes	5		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18							MEMO	MEMO	Desmosoma sp. (planktonic)	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18							MEMO	MEMO	Egg/egg mass	12		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18							MEMO	MEMO	Nematoda indet.	52		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens	5	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponephytis cornuta	15		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae	Nereidinae	ANNE	POER	Nereis zonata			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta	28	11	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocidae	Eteoninae	ANNE	POER	Eteone sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Harmothoe sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Owenia fusiformis	5		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	16		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Dialychone sp. 1			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Dipolydora sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) steenstrupi	39	4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Aphelochaeta sp.	1	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	15		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone pigmentata	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone setosa complex	1	4	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.		3	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Cirratulidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	Whole	BE-5-1	BE-5	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	5		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Polycirrinae	ANNE	POSE	Polycirrus sp. complex	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.		1	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	Whole	BE-5-1	BE-5	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Annelida											



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Annelida	Polychaeta			Cossuridae		ANNE	POSE	Cossura sp.	9		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Annelida	Polychaeta			Maldanidae	Rhodiniinae	ANNE	POSE	Rhodine loveni	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Annelida	Polychaeta			Opheliidae	Ophelininae	ANNE	POSE	Ophelina acuminata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Annelida	Polychaeta			Orbiniidae		ANNE	POSE	Scoloplos acutus		4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea nolani	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Annelida	Polychaeta			Scalibregmatidae		ANNE	POSE	Scalibregma inflatum	5	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Corophioidea	Corophiidae		ARTH	CRAM	Monocorophium sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Uristidae		ARTH	CRAM	Anonyx sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Rostroculodes sp.	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Arthropoda	Maxillopoda	Cyclopoida				ARTH	CRCO	Cyclopoida indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Brachydiastylis resima	31	53	33
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis bradyi	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Lampropiidae		ARTH	CRCU	Lamprops fuscatus	5		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Eudorella truncatula	5	1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.	17	17	16
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Pseudotanaididae		ARTH	CRTA	Pseudotanaid sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea				ARTH	CRTA	Tanaidacea indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Nemertea	Anopla	Heteronemertea		Lineidae		MISC	NTEA	Cerebratulus sp.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Nemertea	Enopla					MISC	NTEA	Enopla indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Cephalorhyncha	Priapulida			Priapulidae		MISC	PRIA	Priapulus caudatus	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	Whole	BE-5-1	BE-5	1	17-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	Whole	BE-5-1	BE-5	1	17-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	5		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	Whole	BE-5-1	BE-5	1	17-Aug-18	Mollusca	Bivalvia	Crassatoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis	7	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Mollusca	Bivalvia	Crassatoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasira sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Mollusca	Bivalvia	Myida		Myidae		MOLL	MOBI	Mya truncata			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	Whole	BE-5-1	BE-5	1	17-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata		4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	Whole	BE-5-1	BE-5	1	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	Whole	BE-5-1	BE-5	1	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana pernula	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana sp.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidea	Nuculidae		MOLL	MOBI	Ennucula tenuis		1	9
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	Whole	BE-5-1	BE-5	1	17-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidea	Nuculidae		MOLL	MOBI	Ennucula tenuis	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	Whole	BE-5-1	BE-5	1	17-Aug-18	Mollusca	Bivalvia	Pectinida	Pectinoidea	Propeamussiidae		MOLL	MOBI	Similipecten greenlandicus	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae	Clinocardiinae	MOLL	MOBI	Ciliatocardium ciliatum			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	Whole	BE-5-1	BE-5	1	17-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae	Clinocardiinae	MOLL	MOBI	Ciliatocardium ciliatum		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	Whole	BE-5-1	BE-5	1	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea	2	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.			5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	1/3	BE-5-1	BE-5	1	17-Aug-18	Mollusca	Gastropoda	Cephalaspidea				MOLL	MOGA	Cephalaspidea indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013	Whole	BE-5-1	BE-5	1	17-Aug-18	Mollusca	Gastropoda		Lottioidea	Lepetidae		MOLL	MOGA	Lepeta caeca	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	Whole	BE-5-2	BE-5	2	17-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Mollusca	Bivalvia					MOLL	MOBI	Bivalvia indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Syllidae		ANNE	POER	Parexogone hebes	6		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	Whole	BE-5-2	BE-5	2	17-Aug-18	Mollusca	Gastropoda	Littorinimorpha	Capuloidea	Capulidae		MOLL	MOGA	Ariadnaria borealis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18							MEMO	MEMO	Copepoda indet. (parasitic)	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18							MEMO	MEMO	Nematoda indet.	41		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens	7	5	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata	1	1	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponephtys cornuta	10		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	Whole	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae	Nereidinae	ANNE	POER	Nereis zonata	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta	1	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	Whole	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta	44	9	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocidae	Eteoninae	ANNE	POER	Eteone sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocidae		ANNE	POER	Hypereteone sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Gattyana cirrhosa		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	Whole	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Gattyana cirrhosa	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Harmothoe imbricata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Sphaerodoridae		ANNE	POER	Sphaerodoropsis minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	9	4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Dialychone sp. 1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Dipolydora quadrilobata			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) steenstrupi	5		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Pygospio sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Aphelocheata sp.	1	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	40	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta										



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone setosa complex			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.	2		2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Cirratulidae indet.		1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Tharyx sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	Whole	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	Whole	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Pista maculata	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae		ANNE	POSE	Neoamphitrite affinis		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	Whole	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Mediomastus sp.	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta			Cossuridae		ANNE	POSE	Cossura sp.	5		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta			Maldanidae	Euclymeninae	ANNE	POSE	Microclymene sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta			Maldanidae	Maldaninae	ANNE	POSE	Maldane sarsi	8		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta			Orbiniidae		ANNE	POSE	Scoloplos acutus		1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea nolani	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Annelida	Polychaeta			Scalibregmatidae		ANNE	POSE	Scalibregma inflatum	1	1	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Uristidae		ARTH	CRAM	Onisimus barentsi group		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Dexaminidae		ARTH	CRAM	Guerneia nordenskioldi	15	14	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Oedicerotidae		ARTH	CRAM	Paroediceros lynceus		4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Oedicerotidae		ARTH	CRAM	Westwoodilla sp.	1	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Arthropoda	Maxillopoda	Cyclopoida		Maxillopoda		ARTH	CRCO	Cyclopoida indet.	8		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Arthropoda	Maxillopoda	Haracticoida		Haracticoida		ARTH	CRCO	Haracticoida indet.	8		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Cumacea		ARTH	CRCU	Brachydiastylis resima	27	52	29
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	Whole	BE-5-2	BE-5	2	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis rathkei	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis scorpioides	2	7	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	Whole	BE-5-2	BE-5	2	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis scorpioides	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Lampropididae		ARTH	CRCU	Lamprops fuscatus	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Eudorella truncatula	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Leucon sp.	1	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Arthropoda	Malacostraca	Mysida		Mysida		ARTH	CRMY	Mysidacea indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Arthropoda	Ostracoda	Myodocopida		Myodocopida		ARTH	CROS	Philomedes sp.	16	16	7
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea	Apseudoidea	Philomedidae		ARTH	CRTA	Pseudosphyrapus anomalus		5	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea	Apseudoidea	Akanthophoreidae		ARTH	CRTA	Akanthophoreus sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea	Apseudoidea	Pseudotanaididae		ARTH	CRTA	Pseudotanaid sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea	Apseudoidea	Typhlotanaididae		ARTH	CRTA	Typhlotanaid sp.	2	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Nemertea	Anopla	Archinemertea		Archinemertea		MISC	NTEA	Cephalothrix sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Nemertea	Anopla	Heteronemertea		Lineidae		MISC	NTEA	Cerebratulus sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Nemertea	Anopla	Heteronemertea		Lineidae		MISC	NTEA	Enopla indet.		1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Chordata	Ascidiacea	Stolidobranchia		Stolidobranchia		MISC	URAS	Styeliidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	Whole	BE-5-2	BE-5	2	17-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis		1	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	Whole	BE-5-2	BE-5	2	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	Whole	BE-5-2	BE-5	2	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Mollusca	Bivalvia	Lucinida		Thyasiridae		MOLL	MOBI	Thyasiridae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	Whole	BE-5-2	BE-5	2	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana pernula	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculidae		MOLL	MOBI	Ennucula tenuis	1		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	Whole	BE-5-2	BE-5	2	17-Aug-18	Mollusca	Bivalvia	Pectinida		Pectinoidea	Propeamussiidae	MOLL	MOBI	Similipecten greenlandicus	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Mollusca	Bivalvia	Veneroida		Tellinoidea	Tellinidae	MOLL	MOBI	Macoma calcarea		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	Whole	BE-5-2	BE-5	2	17-Aug-18	Mollusca	Bivalvia	Veneroida		Tellinoidea	Tellinidae	MOLL	MOBI	Macoma calcarea	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Mollusca	Bivalvia	Veneroida		Tellinoidea	Tellinidae	MOLL	MOBI	Macoma sp.			5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5/12	BE-5-2	BE-5	2	17-Aug-18	Mollusca	Gastropoda	Cephalaspidea		Cephalaspidea		MOLL	MOGA	Cephalaspidea indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	Whole	BE-5-2	BE-5	2	17-Aug-18	Mollusca	Platyacophora	Chitonida	Mopalioida	Tonicellidae		MOLL	MOPO	Tonicella marmorea		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Oedicerotidae indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Mollusca	Bivalvia					MOLL	MOBI	Bivalvia indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Tryphosidae		ARTH	CRAM	Orchomenella minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Tryphosidae		ARTH	CRAM	Tryphosidae indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18							MEMO	MEMO	Calanoida indet. (planktonic)	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18							MEMO	MEMO	Nematoda indet.	31		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocida		ANNE	POER	Nereimyra punctata	15	19	28
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	Whole	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	Whole	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereis zonata	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae	Nereidinae	ANNE	POER	Nereis zonata	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/																



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Phyllococida		Pholoidae		ANNE	POER	Pholoe tecta	112	61	11
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Phyllococida		Phyllococidae	Eteoninae	ANNE	POER	Eteone longa complex	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Phyllococida		Polynoidae	Polynoinae	ANNE	POER	Harmothoe extenuata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	Whole	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Phyllococida		Polynoidae	Polynoinae	ANNE	POER	Harmothoe imbricata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Phyllococida		Polynoidae	Polynoinae	ANNE	POER	Harmothoe sp.		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Dialychone sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Dipolydora quadrilobata	2	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Pygospio sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Spio filicornis		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.	2		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Aphelochaeta sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone setosa complex	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Cirratulidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	Whole	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Polycirrinae	ANNE	POSE	Polycirrus sp. complex	1	1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	Whole	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Polycirrinae	ANNE	POSE	Polycirrus sp. complex	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	Whole	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Laphania boeckii	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.	1	3	5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	Whole	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae		ANNE	POSE	Trichobranchus glacialis			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Capitellidae		ANNE	POSE	Capitella capitata complex	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Capitellidae		ANNE	POSE	Mediomastus sp.	34	12	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Coscuridae		ANNE	POSE	Coscura sp.	5	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Paraonidae		ANNE	POSE	Aricidea hartmanae	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Paraonidae		ANNE	POSE	Aricidea nolani	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	Whole	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Paraonidae		ANNE	POSE	Aricidea nolani	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Scalibregmatidae		ANNE	POSE	Scalibregma inflatum	1	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	Whole	BE-5-3	BE-5	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Scalibregmatidae		ANNE	POSE	Scalibregma inflatum	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Phoxocephaloidea	Phoxocephalidae		ARTH	CRAM	Harpinia serrata			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Caprelloidea	Podoceridae		ARTH	CRAM	Dyopedos sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Uristidae		ARTH	CRAM	Anonyx sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Uristidae		ARTH	CRAM	Anonyx sp.			6
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea			ARTH	CRAM	Lysianassoidea indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Pontoporeioidea	Pontoporeiidae		ARTH	CRAM	Pontoporeia femorata			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	Whole	BE-5-3	BE-5	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Pontoporeioidea	Pontoporeiidae		ARTH	CRAM	Pontoporeia femorata	6		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Monoculodes sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Arthropoda	Maxillopoda	Cyclopoida				ARTH	CRCO	Cyclopoida indet.	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Arthropoda	Maxillopoda	Harpacticoida				ARTH	CRCO	Harpacticoida indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Brachydiastylis resima			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	Whole	BE-5-3	BE-5	3	17-Aug-18	Nemertea	Enopla					MISC	NTEA	Enopla indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	Whole	BE-5-3	BE-5	3	17-Aug-18	Cephalorhyncha	Priapulida			Priapulidae		MISC	PRIA	Priapulus caudatus	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	Whole	BE-5-3	BE-5	3	17-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	7		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	Whole	BE-5-3	BE-5	3	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata	1		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	Whole	BE-5-3	BE-5	3	17-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Mollusca	Bivalvia	Mytilida	Mytiloidea	Mytilidae		MOLL	MOBI	Crenella faba			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Mollusca	Bivalvia	Mytiloidea	Mytiloidea	Mytilidae		MOLL	MOBI	Musculus discors			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	Whole	BE-5-3	BE-5	3	17-Aug-18	Mollusca	Bivalvia	Mytiloidea	Mytiloidea	Mytilidae		MOLL	MOBI	Musculus discors	1	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	5/12	BE-5-3	BE-5	3	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma balthica			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	Whole	BM-1-1	BM-1	1	18-Aug-18	Cnidaria	Hydrozoa	Anthoathecata		Bougainvilliidae		MISC	CNHY	Bougainvilliidae indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	Whole	BM-1-1	BM-1	1	18-Aug-18	Cnidaria	Hydrozoa	Limnomedusae		Olindiidae		MISC	CNHY	Monobranchium parasitum	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Nemertea	Anopla	Heteronemertea		Lineidae		MISC	NTEA	Lineidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Mollusca	Bivalvia	Mytilida	Mytiloidea	Mytilidae		MOLL	MOBI	Crenella faba			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Mollusca	Gastropoda	Neogastropoda	Conoidea	Mangeliidae		MOLL	MOGA	Mangeliidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18							MEMO	MEMO	Egg/egg mass	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18							MEMO	MEMO	Nematoda indet.	64		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta	Echiuroidea		Echiuridae		ANNE	EURA	Echiurus echiurus			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens	8	4	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta	Phyllococida		Hesionidae		ANNE	POER	Nereimyra punctata			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta	Phyllococida		Nephtyidae		ANNE	POER	Bipalponephtys cornuta	12		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta	Phyllococida		Nereididae	Nereidinae	ANNE	POER	Nereis zonata			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta	Phyllococida		Pholoidae		ANNE	POER	Pholoe minuta	8	5	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1															



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta	46	13	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	Whole	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Gattyana cirrhosa	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Harmothoe sp.		4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	13	2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Dialychone sp. 1	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Sabellidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	Whole	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta	Sabellida		Serpulidae	Spirorbinae	ANNE	POSE	Pileolaria sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta	Spionida		Apistobranchidae		ANNE	POSE	Apistobranchus sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) steenstrupi	4	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Pygospio sp.	6		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae		ANNE	POSE	Ampharetidae indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Aphelochaeta sp.		1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	15	8	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone pigmentata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.		1	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Cirratulidae indet.	1	1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	Whole	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Pectinaria sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Polycirrinae	ANNE	POSE	Polycirrus sp. complex			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	Whole	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Pista maculata	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	Whole	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae		ANNE	POSE	Neoamphitrite affinis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	Whole	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Mediomastus sp.	3	1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta			Cossuridae		ANNE	POSE	Cossura sp.	13	5	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta			Maldanidae	Euclymeninae	ANNE	POSE	Praxillella praetermissa		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	Whole	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta			Opheliidae	Ophelininae	ANNE	POSE	Ophelina acuminata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea minuta	3	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea nolani		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Annelida	Polychaeta			Scalibregmatidae		ANNE	POSE	Scalibregma inflatum	2	1	5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminidae		ARTH	CRAM	Guerneia nordenskioldi	11	14	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Paroediceros lynceus	1		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Rostroculodes sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Westwoodilla sp.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Arthropoda	Maxillopoda	Cyclopoida		Arthropoda		ARTH	CRCO	Cyclopoida indet.	15		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Arthropoda	Maxillopoda	Harpacticoida		Arthropoda		ARTH	CRCO	Harpacticoida indet.	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis scorpioides			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	Whole	BM-1-1	BM-1	1	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis scorpioides	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Lampropidae		ARTH	CRCU	Lamprops fuscatus		7	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Leucon sp.	1	2	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Arthropoda	Malacostraca	Mysida		Mysidae		ARTH	CRMY	Mysis sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.	10	17	10
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Tanaidacea		ARTH	CRTA	Akanthophoreus sp.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Pseudotanaididae		ARTH	CRTA	Pseudotanaid sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Nemertea	Anopla	Heteronemertea		Lineidae		MISC	NTEA	Cerebratulus sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Nemertea	Enopla			Enopla		MISC	NTEA	Enopla indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Cephalorhyncha	Priapulida			Priapulidae		MISC	PRIA	Priapulid sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	Whole	BM-1-1	BM-1	1	18-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	Whole	BM-1-1	BM-1	1	18-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	5		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	Whole	BM-1-1	BM-1	1	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	Whole	BM-1-1	BM-1	1	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui	4	12	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasira sp.	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasiridae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Mollusca	Bivalvia	Myida		Myidae		MOLL	MOBI	Mya sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	Whole	BM-1-1	BM-1	1	18-Aug-18	Mollusca	Bivalvia	Myida		Myoidea		MOLL	MOBI	Mya truncata		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	Whole	BM-1-1	BM-1	1	18-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana sp.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	Whole	BM-1-1	BM-1	1	18-Aug-18	Mollusca	Bivalvia	Nuculida		Nuculidae		MOLL	MOBI	Ennucula tenuis	5		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	Whole	BM-1-1	BM-1	1	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea	2	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	Whole	BM-1-1	BM-1	1	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma moesta	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.			9
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Mollusca	Bivalvia					MOLL	MOBI	Bivalvia indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Mollusca	Gastropoda	Cephalaspidea				MOLL	MOGA	Cephalaspidea indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016	1/3	BM-1-1	BM-1	1	18-Aug-18	Mollusca	Gastropoda	Littorinimorpha	Naticoidea	Naticidae	Polinicinae	MOLL	MOGA	Euspira pallida			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	Whole	BM-1-2	BM-1	2	18-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea								



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	Whole	BM-1-2	BM-1	2	18-Aug-18	Cnidaria	Hydrozoa	Limnomedusae		Olindiidae		MISC	CNHY	Monobranchium parasitum	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Bryozoa	Gymnolaemata	Ctenostomatida		Triticellidae		MISC	BRYO	Triticella sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis lucifera		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Mollusca	Bivalvia			Bivalvia		MOLL	MOBI	Bivalvia indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	Whole	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidea		ANNE	POER	Pholoe tecta	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea			MOLL	MOBI	Nuculanoidea indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Tryphosidae		ARTH	CRAM	Tryphosidae indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18							MEMO	MEMO	Nematoda indet.	44		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta	Eunicida		Dorvilleidae		ANNE	POER	Parougia caeca	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata	1		3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponephtys cornuta	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae		ANNE	POER	Nereididae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidea		ANNE	POER	Pholoe minuta	24	14	6
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidea		ANNE	POER	Pholoe sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidea		ANNE	POER	Pholoe tecta	88	47	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidea	Polynoinae	ANNE	POER	Gattyana cirrhosa	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidea	Polynoinae	ANNE	POER	Harmothoe imbricata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidea	Polynoinae	ANNE	POER	Harmothoe sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	12	3	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone sp.	1	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Dipolydora quadrilobata			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Dipolydora socialis		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) steenstrupi		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Pygospio sp.	3	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Spio filicornis		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Aphelochaeta sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	10	4	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone setosa complex	3	1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Cirratulidae indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Tharyx sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	Whole	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	15		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.	1	1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	Whole	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Capitella capitata complex	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Mediomastus sp.	6	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta			Cosseriidae		ANNE	POSE	Cossera sp.	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta			Maldanidae	Euclymeninae	ANNE	POSE	Euclymeninae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta			Orbiniidae		ANNE	POSE	Orbiniidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea nolani	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Annelida	Polychaeta			Scalibregmatidae		ANNE	POSE	Scalibregma inflatum	5		5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Uristidae		ARTH	CRAM	Anonyx sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Uristidae		ARTH	CRAM	Onisimus sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminidae		ARTH	CRAM	Guerneia nordenskioldi	21	8	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Paroedicerus lynceus		1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Westwoodilla sp.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	Whole	BM-1-2	BM-1	2	18-Aug-18	Arthropoda	Maxillopoda	Sessilia				ARTH	CRCI	Balanomorpha indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Arthropoda	Maxillopoda	Cyclopoida				ARTH	CRCO	Cyclopoida indet.	21		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Arthropoda	Maxillopoda	Harpacticoida				ARTH	CRCO	Harpacticoida indet.	6		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis scorioides	1		2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Lampropiidae		ARTH	CRCU	Lamprops fuscatus	12	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Leucon sp.	4	5	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.	1	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Arthropoda	Malacostraca	Tanaidacea				ARTH	CRTA	Tanaidacea indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Echinodermata	Echinoidea	Camarodonta	Odontophora	Strongylocentrotidae		ECHI	ECEC	Strongylocentrotus droebachiensis	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Nemertea	Anopla	Archinemertea		Cephalothricidae		MISC	NTEA	Cephalothrix sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Nemertea	Anopla					MISC	NTEA	Enopla indet.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Chordata	Ascidiacea	Phlebobranchia		Ascidiidae		MISC	URAS	Ascidia sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Chordata	Ascidiacea	Stolidobranchia		Styliidae		MISC	URAS	Styliidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	Whole	BM-1-2	BM-1	2	18-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	5		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis		6	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui	1	12	5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.		</	



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasira sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasiridae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya sp.			5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Mollusca	Bivalvia	Mytiloidea	Mytiloidea	Mytilidae		MOLL	MOBI	Musculus discors			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	Whole	BM-1-2	BM-1	2	18-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	5		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana sp.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	Whole	BM-1-2	BM-1	2	18-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidea	Nuculidae		MOLL	MOBI	Ennucula tenuis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	Whole	BM-1-2	BM-1	2	18-Aug-18	Mollusca	Bivalvia	Pectinida	Pectinoidea	Propeamussiidae		MOLL	MOBI	Similipecten greenlandicus	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	Whole	BM-1-2	BM-1	2	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma moesta	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.			5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1/2	BM-1-2	BM-1	2	18-Aug-18	Mollusca	Gastropoda	Cephalaspidea				MOLL	MOGA	Cephalaspidea indet.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Marenzelleria sp.	10		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18							MEMO	MEMO	Egg/egg mass	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18							MEMO	MEMO	Nematoda indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Annelida	Clitellata	Enchytraeida		Enchytraeidae		ANNE	ANOL	Enchytraeidae indet.		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata	1	5	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponephtys cornuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae		ANNE	POER	Nereididae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta	21	11	10
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	Whole	BM-1-3	BM-1	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta	74	23	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocidae	Eteoninae	ANNE	POER	Eteone sp.	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocidae	Polynoinae	ANNE	POER	Harmothoe imbricata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Dipolydora quadrilobata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Spio filicornis	1		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone careyi	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Cirratulidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	1	1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	Whole	BM-1-3	BM-1	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	19		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	Whole	BM-1-3	BM-1	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Mediomastus sp.	34	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Annelida	Polychaeta			Cossuridae		ANNE	POSE	Cossura sp.	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Annelida	Polychaeta			Orbiniidae		ANNE	POSE	Scoloplos armiger	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Annelida	Polychaeta			Orbiniidae		ANNE	POSE	Scoloplos sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea nolani	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Gammaroidea	Gammaridae		ARTH	CRAM	Gammarus sp.		8	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea			ARTH	CRAM	Lysianassoidea indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Oedicerotoidea	Oedicerotidae		ARTH	CRAM	Monoculopsis sp.		4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Pontoporeioidea	Pontoporeiidae		ARTH	CRAM	Pontoporeia femorata			15
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	Whole	BM-1-3	BM-1	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Pontoporeioidea	Pontoporeiidae		ARTH	CRAM	Pontoporeia femorata	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminidae		ARTH	CRAM	Guerneia nordenskioldi			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Paroedicerus lynceus		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Rostroculodes sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Pontoporeiidae		ARTH	CRAM	Monoporeia affinis	35	47	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	Whole	BM-1-3	BM-1	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Pontoporeiidae		ARTH	CRAM	Monoporeia affinis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Arthropoda	Maxillopoda			Cyclopoida		ARTH	CRCO	Cyclopoida indet.	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Arthropoda	Maxillopoda			Harpacticoida		ARTH	CRCO	Harpacticoida indet.	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Arthropoda	Malacostraca			Cumacea		ARTH	CRCU	Diastylis rathkei	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Arthropoda	Malacostraca			Cumacea		ARTH	CRCU	Lamprops fuscatus	5	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Arthropoda	Ostracoda			Myodocopida		ARTH	CROS	Philomedes sp.			9
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	Whole	BM-1-3	BM-1	3	18-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	Whole	BM-1-3	BM-1	3	18-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	6		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	Whole	BM-1-3	BM-1	3	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	Whole	BM-1-3	BM-1	3	18-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Mollusca	Bivalvia	Mytiloidea	Mytiloidea	Mytilidae		MOLL	MOBI	Musculus discors			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	Whole	BM-1-3	BM-1	3	18-Aug-18	Mollusca	Bivalvia	Mytiloidea	Mytiloidea	Mytilidae		MOLL	MOBI	Musculus discors			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma balthica		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	Whole	BM-1-3	BM-1	3	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI				



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Mollusca	Bivalvia	Veneroidea	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1/2	BM-1-3	BM-1	3	18-Aug-18	Mollusca	Gastropoda	Cephalaspidea				MOLL	MOGA	Cephalaspidea indet.		4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	Whole	BM-3-1	BM-3	1	18-Aug-18	Arthropoda	Maxillopoda	Sessilia				ARTH	CRCI	Balanomorpha indet.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Cnidaria	Hydrozoa	Limnomedusae		Olindiidae		MISC	CNHU	Monobrachium parasitum	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Arthropoda	Malacostraca	Cumacea				ARTH	CRCU	Cumacea indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Chordata	Pisces-Actinopterygii					MISC	PIXX	Pisces indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Mollusca	Bivalvia					MOLL	MOBI	Bivalvia indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	Whole	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidea		ANNE	POER	Pholoe tecta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	Whole	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Mollusca	Bivalvia	Veneroidea	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.			8
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Clitellata	Rhynchobdellida				ANNE	MEMO	Nematoda indet.	34		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Clitellata	Rhynchobdellida		Piscicolidae		ANNE	ANHI	Hirudinea indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	Whole	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata	16	5	5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponephtys cornuta	10		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae	Nereidinae	ANNE	POER	Nereis zonata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	Whole	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae	Nereidinae	ANNE	POER	Nereis zonata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae		ANNE	POER	Nereididae indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidea		ANNE	POER	Pholoe minuta	9	4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidea		ANNE	POER	Pholoe sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllococidae		ANNE	POER	Pholoe tecta	45	23	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllococidae	Eteoninae	ANNE	POER	Eteone longa complex	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllococidae	Eteoninae	ANNE	POER	Eteone sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	Whole	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Gattyana cirrhosa	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Harmothoe extenuata	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	Whole	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Harmothoe extenuata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Harmothoe imbricata	8	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Harmothoe sp.	2	3	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Galathowenia oculata	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	23	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Dialychone sp. 1	9	1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Sabellidae indet.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) steenstrupi	12	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Pygospio sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.	1	2	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	15	5	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone setosa complex	1		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.		3	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Cirratulidae indet.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Tharyx sp.	4	12	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	Whole	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Laphania boeckii	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	Whole	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Pista maculata	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae		ANNE	POSE	Neoamphitrite affinis		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae		ANNE	POSE	Terebellidae indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Mediomastus sp.	18	15	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta			Cossuridae		ANNE	POSE	Notomastus latericeus			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Cossura sp.	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Annelida	Polychaeta			Scalibregmatidae		ANNE	POSE	Aricidea minuta	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Arthropoda	Arachnida	Acarina	Halacaroidea	Halacaridae		ARTH	CHAR	Scalibregma inflatum	1		2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Uristidae		ARTH	CRAM	Halacaridae indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Oedicerotoidea	Oedicerotidae		ARTH	CRAM	Anonyx sp.		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Pontoporeioidea	Pontoporeiidae		ARTH	CRAM	Monoculopsis sp.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminidae		ARTH	CRAM	Pontoporeia femorata	1		14
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Guerneia nordenskioldi	7	6	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Monoculodes sp.	2		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Oedicerotidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Westwoodilla sp.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Amphipoda		ARTH	CRAM	Oedicerotidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Arthropoda	Maxillopoda	Sessilia				ARTH	CRCI	Balanomorpha indet.			5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Arthropoda	Maxillopoda	Cyclopoida				ARTH	CRCO	Cyclopoida indet.	9		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Arthropoda	Maxillopoda	Harpacticoida				ARTH	CRCO	Harpacticoida indet.	7		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis scorpioides		5	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Lampropiidae		ARTH	CRCU	Lampropiidae		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Lampropiidae		1	
Golder	Baffinlands Iron																				



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Arthropoda	Insecta	Diptera		Chironomidae		ARTH	INDI	Chironomidae indet.			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	Whole	BM-3-1	BM-3	1	18-Aug-18	Echinodermata	Ophiuroidea	Ophiurida		Ophiuridae	Ophiurinae	ECHI	ECOP	Ophiura sarsii	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Nemertea	Anopla	Archinemertea		Cephalothricidae		MISC	NTEA	Cephalothrix sp.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Nemertea	Enopla					MISC	NTEA	Enopla indet.	6	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	1	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	Whole	BM-3-1	BM-3	1	18-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	Whole	BM-3-1	BM-3	1	18-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	6		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui	4	4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	Whole	BM-3-1	BM-3	1	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasira sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasiridae indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Mollusca	Bivalvia	Mytilida	Mytiloidea	Mytilidae		MOLL	MOBI	Crenella faba	1	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Mollusca	Bivalvia	Mytiloidea	Mytiloidea	Mytilidae		MOLL	MOBI	Musculus discors			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	Whole	BM-3-1	BM-3	1	18-Aug-18	Mollusca	Bivalvia	Mytiloidea	Mytiloidea	Mytilidae		MOLL	MOBI	Musculus discors		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	Whole	BM-3-1	BM-3	1	18-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	Whole	BM-3-1	BM-3	1	18-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana pernula	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidea	Nuculidae		MOLL	MOBI	Ennucula tenuis	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	Whole	BM-3-1	BM-3	1	18-Aug-18	Mollusca	Bivalvia	Pectinida	Pectinoidea	Propeamussiidae		MOLL	MOBI	Similipecten greenlandicus	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	Whole	BM-3-1	BM-3	1	18-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae	Clinocardiinae	MOLL	MOBI	Ciliatocardium ciliatum		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae		MOLL	MOBI	Serripes groenlandicus			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	Whole	BM-3-1	BM-3	1	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Mollusca	Gastropoda	Cephalaspidea				MOLL	MOGA	Cephalaspidea indet.	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Mollusca	Gastropoda	Littorinimorpha	Naticoidea	Naticidae	Polinicinae	MOLL	MOGA	Euspira pallida			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Mollusca	Gastropoda	Trochida	Trochoidea	Margaritidae		MOLL	MOGA	Margarites helacinus	5	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4/12	BM-3-1	BM-3	1	18-Aug-18	Mollusca	Gastropoda					MOLL	MOGA	Gastropoda indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Cnidaria	Hydrozoa	Limnomedusae		Olindiidae		MISC	CNHY	Monobrachium parasitum	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Arthropoda	Malacostraca	Arthropoda		Oedicerotidae		ARTH	CRAM	Oedicerotidae indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Arthropoda	Malacostraca	Decapoda		Oedicerotidae		ARTH	CRAM	Caridea indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	Whole	BM-3-2	BM-3	2	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Paroedicerus lynceus			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Tryphosidae		ARTH	CRAM	Orchomenella pinguis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18							MEMO	MEMO	Egg/egg mass	5		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18							MEMO	MEMO	Nematoda indet.	40		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens	1	2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata	3	3	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponephtys cornuta	7		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae	Nereidinae	ANNE	POER	Nereis zonata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae		ANNE	POER	Nereididae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta	21	7	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe sp.		6	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta	96	42	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	Whole	BM-3-2	BM-3	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidea	Polynoinae	ANNE	POER	Gattyana cirrhosa	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidea	Polynoinae	ANNE	POER	Harmothoe sp.	4	6	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	9	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Dialychone sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Dialychone sp. 1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Dipolydora quadrilobata			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) steenstrupi	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Aphelochaeta sp.		3	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	5	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone pigmentata	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone setosa complex	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.	1		2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	2	1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	Whole	BM-3-2	BM-3	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	10		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	Whole	BM-3-2	BM-3	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Pista maculata	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	Whole	BM-3-2	BM-3	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae		ANNE	POSE	Neoamphitrite affinis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranthidae	Trichobranthinae	ANNE	POSE	Terebellides sp.	1	3	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Capitella capitata complex		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Mediomastus sp.	7	8	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Annelida	Polychaeta			Cossuridae		ANNE	POSE	Cossura sp.	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Annelida	Polychaeta			Maldanidae	Euclymeninae	ANNE	POSE	Euclymene sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Annelida	Polychaeta			Maldanidae	Maldaninae	ANNE	POSE	Maldane sarsi	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Annelida											



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Opisidae		ARTH	CRAM	Opisa sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Pontoporeioidea	Pontoporeiidae		ARTH	CRAM	Pontoporeia femorata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminidae		ARTH	CRAM	Guernea nordenskioldi	19	5	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Paroediceros lynceus	2		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Arthropoda	Maxillopoda	Arthropoda		Cyclopoida		ARTH	CRCO	Cyclopoida indet.	12		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Arthropoda	Maxillopoda	Harpacticoida				ARTH	CRCO	Harpacticoida indet.	7		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylidae indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis lucifera		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis sp.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylodes biplicatus	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Lampropiidae		ARTH	CRCU	Lamprops fuscatus	5	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Arthropoda	Malacostraca	Cumacea				ARTH	CRCU	Leucon sp.	4	5	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Arthropoda	Malacostraca	Mysida		Mysidae		ARTH	CRMY	Mysis sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.	9	11	11
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Typhlotanaidae		ARTH	CRTA	Typhlotanis sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Arthropoda	Malacostraca	Tanaidacea				ARTH	CRTA	Tanaidacea indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Arthropoda	Insecta	Coleoptera		Curculionidae		ARTH	INCO	Curculionidae indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	Whole	BM-3-2	BM-3	2	18-Aug-18	Echinodermata	Ophiuroidea	Ophiurida		Ophiuridae	Ophiurinae	ECHI	ECOP	Ophiura sarsii		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Echinodermata	Ophiuroidea	Ophiurida		Ophiuridae		ECHI	ECOP	Ophiuridae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Cnidaria	Hydrozoa	Limnomedusae				MISC	CNHY	Monobranchium parasitum	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Nemertea	Enopla					MISC	NTEA	Enopla indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	1	1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	Whole	BM-3-2	BM-3	2	18-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	Whole	BM-3-2	BM-3	2	18-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	20		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	Whole	BM-3-2	BM-3	2	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui	6	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	Whole	BM-3-2	BM-3	2	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui	1	5	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasira sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasiridae indet.	1	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Mollusca	Bivalvia	Mytilida	Myoidea	Myidae		MOLL	MOBI	Mya sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Mollusca	Bivalvia	Mytiloidea	Mytiloidea	Mytilidae		MOLL	MOBI	Crenella faba	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	Whole	BM-3-2	BM-3	2	18-Aug-18	Mollusca	Bivalvia	Mytiloidea	Mytiloidea	Mytilidae		MOLL	MOBI	Musculus discors	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Mollusca	Bivalvia	Mytiloidea	Mytiloidea	Mytilidae		MOLL	MOBI	Mytilidae indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	Whole	BM-3-2	BM-3	2	18-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana pernula	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidea	Nuculidae		MOLL	MOBI	Ennucula tenuis	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	Whole	BM-3-2	BM-3	2	18-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae	Clinocardiinae	MOLL	MOBI	Ciliatocardium ciliatum		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae		MOLL	MOBI	Serripes groenlandicus			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	Whole	BM-3-2	BM-3	2	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	Whole	BM-3-2	BM-3	2	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma moesta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Bivalvia indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1/2	BM-3-2	BM-3	2	18-Aug-18	Mollusca	Gastropoda	Trochida	Trochoidea	Margaritidae		MOLL	MOGA	Margarites helacinus	1	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	Whole	BM-3-3	BM-3	3	18-Aug-18	Cnidaria	Hydrozoa	Limnomedusae		Olindiidae		MISC	CNHY	Monobranchium parasitum	5		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Mollusca	Bivalvia					MOLL	MOBI	Bivalvia indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Tryphosidae		ARTH	CRAM	Tryphosidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18							MEMO	MEMO	Egg/egg mass	17		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18							MEMO	MEMO	Nematoda indet.	68		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens	4	1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta	Phylloidea		Pholoidae		ANNE	POER	Pholoe minuta	14	9	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe sp.	14		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta	37	12	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocidae	Eteoninae	ANNE	POER	Eteone longa complex	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	Whole	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidea	Polynoinae	ANNE	POER	Gattyana cirrhosa	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidea		ANNE	POER	Bylgides sarsi	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Galathowenia oculata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Myriochele heeri	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	Whole	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Owenia fusiformis	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	37	7	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Dialychone sp. 1	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Sabellidae indet.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta	Spionida		Apistobranchidae		ANNE	POSE	Apistobranchus sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) steenstrupi	7	2	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3													



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.	2	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae		ANNE	POSE	Ampharetidae indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	Whole	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae		ANNE	POSE	Amphicteis sundevalli	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Aphelochaeta sp.		2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	19	4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone setosa complex	3	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.		1	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	Whole	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	8		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae	Terebellinae	ANNE	POSE	Pista maculata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae		ANNE	POSE	Terebellidae indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.	1	2	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	Whole	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Capitella capitata complex		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Mediomastus sp.		4	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta			Cosseridae		ANNE	POSE	Cossura sp.	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta			Maldanidae	Euclymeninae	ANNE	POSE	Praxillella praetermissa	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta			Maldanidae	Maldaninae	ANNE	POSE	Maldane sarsi	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta			Orbiniidae		ANNE	POSE	Scoloplos armiger	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea nolani		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta			Scalibregmatidae		ANNE	POSE	Scalibregma inflatum	1	6	7
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	Whole	BM-3-3	BM-3	3	18-Aug-18	Annelida	Polychaeta			Scalibregmatidae		ANNE	POSE	Scalibregma inflatum	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Phoxocephaloidea	Phoxocephalidae		ARTH	CRAM	Harpinia serrata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Uristidae		ARTH	CRAM	Onisimus sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	Whole	BM-3-3	BM-3	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Pontoporeioidea	Pontoporeiidae		ARTH	CRAM	Pontoporeia femorata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminidae		ARTH	CRAM	Guernea nordenskioldi	12	17	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Paroedicerus lynceus			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Rostroculodes sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Arthropoda	Maxillopoda			Sessilia		ARTH	CRCI	Balanomorpha indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Arthropoda	Maxillopoda	Cyclopoida				ARTH	CRCO	Cyclopoida indet.	5		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Arthropoda	Maxillopoda	Harpacticoida				ARTH	CRCO	Harpacticoida indet.	9		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Arthropoda	Malacostraca			Cumacea	Diastylidae	ARTH	CRCU	Brachydiastylis resima		3	6
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Arthropoda	Malacostraca			Cumacea	Diastylidae	ARTH	CRCU	Diastylis scorioides	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	Whole	BM-3-3	BM-3	3	18-Aug-18	Arthropoda	Malacostraca			Cumacea	Diastylidae	ARTH	CRCU	Diastylis scorioides	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Arthropoda	Malacostraca			Cumacea	Lampropidae	ARTH	CRCU	Lamprops fuscatus	14	6	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Arthropoda	Malacostraca			Cumacea	Leuconidae	ARTH	CRCU	Leucon sp.	6	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Arthropoda	Malacostraca			Mysida	Mysidae	ARTH	CRMY	Mysis sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Arthropoda	Ostracoda			Myodocopida	Philomedidae	ARTH	CROS	Philomedes sp.	6	12	15
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Arthropoda	Malacostraca			Tanaidacea	Akanthophoreidae	ARTH	CRTA	Akanthophoreus sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Nemertea	Anopla			Heteronemertea	Lineidae	MISC	NTEA	Cerebratulus sp.		2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Nemertea	Enopla					MISC	NTEA	Enopla indet.	3	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	Whole	BM-3-3	BM-3	3	18-Aug-18	Nemertea	Enopla					MISC	NTEA	Enopla indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	Whole	BM-3-3	BM-3	3	18-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	Whole	BM-3-3	BM-3	3	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis	5	7	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui		2	5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	Whole	BM-3-3	BM-3	3	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui	2	4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasira sp.		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasiridae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	Whole	BM-3-3	BM-3	3	18-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata		5	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	Whole	BM-3-3	BM-3	3	18-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	Whole	BM-3-3	BM-3	3	18-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana pernula	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidea	Nuculidae		MOLL	MOBI	Ennucula tenuis	1	1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	Whole	BM-3-3	BM-3	3	18-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidea	Nuculidae		MOLL	MOBI	Ennucula tenuis	5		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae	Clinocardiinae	MOLL	MOBI	Ciliatocardium ciliatum			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae		MOLL	MOBI	Serripes groenlandicus			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	Whole	BM-3-3	BM-3	3	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea	3	5	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	Whole	BM-3-3	BM-3	3	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma moesta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.			9
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Mollusca	Gastropoda		Cephalaspidea	Cylichnidae		MOLL	MOGA	Cylichnidae indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Mollusca	Gastropoda		Cephalaspidea			MOLL	MOGA	Cephalaspidea indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5/12	BM-3-3	BM-3	3	18-Aug-18	Mollusca	Gastropoda	Littorinimorpha		Rissoidae		MOLL	MOGA	Rissoidae indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	Whole	BM-4-1	BM-4	1	18-Aug-18	Cnidaria	Hydrozoa		Limnomedusae	Olindiidae		MISC	CNHY	Monobrachium parasitum	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Rostroculodes sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Arthropoda	Malacostraca			Cumacea		ARTH	CRCU	Cumacea indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	Whole	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta			Pholodoidea		ANNE	POER	Pholoe minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18												



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18							MEMO	MEMO	Nematoda indet.	64		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens	7	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata	4	2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponephytus cornuta	6		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta	10	8	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta	81	33	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Harmothoe extenuata	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Harmothoe sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Galathowenia oculata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Owenia fusiformis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	25	4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) steenstrupi	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Pygospio sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.		1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Aphelocheata sp.	1	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	17	5	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone setosa complex	2	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone setosa	4	2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Cirratulidae indet.	1	5	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Tharyx sp.	2	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Pectinides granulata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	Whole	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	17		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	Whole	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Pista maculata	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	Whole	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Mediomastus sp.	12	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta			Cossuridae		ANNE	POSE	Cossura sp.	13	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta			Maldanidae	Maldaninae	ANNE	POSE	Maldane sarsi	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta			Maldanidae		ANNE	POSE	Maldanidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta			Orbiniidae		ANNE	POSE	Orbiniidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta			Orbiniidae		ANNE	POSE	Scoloplos acutus			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Paraonidea minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea nolani	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Annelida	Polychaeta			Scalibregmatidae		ANNE	POSE	Scalibregma inflatum	2	1	6
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Dexaminoidea	Dexaminidae		ARTH	CRAM	Dexaminidae indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Uristidae		ARTH	CRAM	Onisimus barentsi group		1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	Whole	BM-4-1	BM-4	1	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Uristidae		ARTH	CRAM	Onisimus sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea			ARTH	CRAM	Lysianassoidea indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Oedicerotoidea	Oedicerotidae		ARTH	CRAM	Monoculopsis sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminidae		ARTH	CRAM	Guerneia nordenskioldi	9	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Monoculodes sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Oedicerotidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Arthropoda	Maxillopoda	Cyclopoida		Cyclopoida		ARTH	CRCO	Cyclopoida indet.	13		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Brachydiastylis resima		3	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis lucifera		2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis scorpioides	1	6	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Lampropidae		ARTH	CRCU	Lamprops fuscatus	3	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Eudorella truncatula		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Leucon sp.	6	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Arthropoda	Malacostraca	Mysida		Mysida		ARTH	CRMY	Mysidacea indet.	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.	5	15	11
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Akanthophoreidae		ARTH	CRTA	Akanthophoreus sp.		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Pseudotanaididae		ARTH	CRTA	Pseudotanaid sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Typhlotanaididae		ARTH	CRTA	Typhlotanaid sp.	4	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Arthropoda	Insecta	Diptera		Chironomidae	Orthoclaidiinae	ARTH	INDI	Orthoclaidiinae indet.			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	Whole	BM-4-1	BM-4	1	18-Aug-18	Echinodermata	Echinoidea	Camarodonta	Odontophora	Strongylocentrotidae		ECHI	ECEC	Strongylocentrotus droebachiensis		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Echinodermata	Ophiuroidea	Ophiurida		Ophiuridae	Ophiurinae	ECHI	ECOP	Ophiura sarsii		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	Whole	BM-4-1	BM-4	1	18-Aug-18	Echinodermata	Ophiuroidea	Ophiurida		Ophiuridae	Ophiurinae	ECHI	ECOP	Ophiura sarsii	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Nemertea	Enopla			Enopla		MISC	NTEA	Enopla indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Nemertea	Enopla			Enopla		MISC	NTEA	Enopla indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	Whole	BM-4-1	BM-4	1	18-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	10		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Mollusca	Bivalvia	Crassatelloidea		Astartidae		MOLL	MOBI	Astarte borealis		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	Whole	BM-4-1	BM-4	1	18-Aug-18	Mollusca	Bivalvia	Crassatelloidea		Astartidae		MOLL	MOBI	Astarte borealis		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Mollusca	Bivalvia	Crassatelloidea		Astartidae		MOLL	MOBI	Astarte montagui		3	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Mollusca	Bivalvia	Crassatelloidea		Astartidae		MOLL	MOBI	Astarte sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022																	



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasira sp.		6	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasiridae indet.			5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	Whole	BM-4-1	BM-4	1	18-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Mollusca	Bivalvia	Mytilida	Mytiloidea	Mytilidae	Dacrydiinae	MOLL	MOBI	Dacrydium vitreum			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Mollusca	Bivalvia	Mytilida	Mytiloidea	Mytilidae		MOLL	MOBI	Crenella faba		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana pernula	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Yoldiidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidea	Nuculidae		MOLL	MOBI	Ennucula tenuis	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	Whole	BM-4-1	BM-4	1	18-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae		MOLL	MOBI	Serripes groenlandicus			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	Whole	BM-4-1	BM-4	1	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.			7
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Mollusca	Gastropoda	Cephalaspidea				MOLL	MOGA	Cephalaspidea indet.		3	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5/12	BM-4-1	BM-4	1	18-Aug-18	Mollusca	Gastropoda	Littorinimorpha		Rissoidae		MOLL	MOGA	Rissoidae indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Cnidaria	Hydrozoa	Limnomedusae		Olindiidae		MISC	CNHY	Monobranchium parasitum	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	Whole	BM-4-2	BM-4	2	18-Aug-18	Cnidaria	Hydrozoa	Limnomedusae		Olindiidae		MISC	CNHY	Monobranchium parasitum	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Mollusca	Bivalvia					MOLL	MOBI	Bivalvia indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	Whole	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Spionidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		MEMO	MEMO	Nematoda indet.	25		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens	3	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocida		ANNE	POER	Nereimyra punctata	1		3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponephtys cornuta	12		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae		ANNE	POER	Nereididae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidea		ANNE	POER	Pholoe minuta	5	6	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidea		ANNE	POER	Pholoe tecta	49	18	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	15	8	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Chone dunerii			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Dialychone sp. 1		2	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Dipolydora socialis			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) steenstrupi	3	4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Pygospio sp.	3	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Lysippe labiata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Aphelochaeta sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	17	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone setosa complex			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.		2	5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Cirratulidae indet.		6	6
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	Whole	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	6		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Laphania boeckii		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.	2	2	6
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	Whole	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Mediomastus sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta			Cossuridae		ANNE	POSE	Cossura sp.	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta			Maldanidae	Euclymeninae	ANNE	POSE	Microclymene sp.		2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta			Maldanidae		ANNE	POSE	Maldanidae indet.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta	Orbiniidae		Orbiniidae		ANNE	POSE	Scoloplos acutus		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta	Orbiniidae		Orbiniidae		ANNE	POSE	Scoloplos armiger	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta	Paraonidae		Paraonidae		ANNE	POSE	Aricidea minuta	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta	Paraonidae		Paraonidae		ANNE	POSE	Aricidea nolani	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Annelida	Polychaeta			Scalibregmatidae		ANNE	POSE	Scalibregma inflatum	2	1	5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Uristidae		ARTH	CRAM	Onisimus barentsi group		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea			ARTH	CRAM	Lysianassoidea indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Pontoporeioidea	Pontoporeiidae		ARTH	CRAM	Pontoporeia femorata			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Atylidae		ARTH	CRAM	Atylus carinatus			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminidae		ARTH	CRAM	Guerneia nordenskioldi	11	6	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Monoculodes sp.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Oedicerotidae indet.	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Arthropoda	Maxillopoda	Sessilia				ARTH	CRCI	Balanomorpha indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Arthropoda	Maxillopoda	Cyclopoida				ARTH	CRCO	Cyclopoida indet.	8		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Arthropoda	Maxillopoda	Harpacticoida				ARTH	CRCO	Harpacticoida indet.	7		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Arthropoda	Malacostraca			Cumacea		ARTH	CRCU	Brachydiastylis resima	2	4	6
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Arthropoda	Malacostraca			Cumacea		ARTH	CRCU	Diastylis lucifera		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Arthropoda	Malacostraca			Cumacea		ARTH	CRCU	Diastylis rathkei	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Arthropoda	Malacostraca			Cumacea		ARTH	CRCU	Diastylis biplicatus		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Ar											



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Eudorella truncatula	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Leucon sp.	1	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Arthropoda	Malacostraca	Mysida		Mysidae		ARTH	CRMY	Mysis sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.	6	5	13
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Arthropoda	Malacostraca	Tanaidacea	Apseudoidea	Sphyrapodidae		ARTH	CRTA	Pseudosphyrapus anomalus	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Akanthophoreidae		ARTH	CRTA	Akanthophoreus sp.	8	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Arthropoda	Malacostraca	Tanaidacea				ARTH	CRTA	Tanaidacea indet.			8
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Echinodermata	Ophiuroidea	Ophiurida		Ophiuridae	Ophiurinae	ECHI	ECOP	Ophiura sarsii		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Nemertea	Nemertea	Archinemertea		Cephalothricidae		MISC	NTEA	Cephalothrix sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Nemertea	Enopla					MISC	NTEA	Enopla indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	Whole	BM-4-2	BM-4	2	18-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Mollusca	Bivalvia	Anomalodesmata	Pandoroidea	Lyonsiidae		MOLL	MOBI	Lyonsia arenosa		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis		4	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	Whole	BM-4-2	BM-4	2	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis	4	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui		8	7
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	Whole	BM-4-2	BM-4	2	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.			5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Axinopsida sp.		9	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasira sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasiridae indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Mollusca	Bivalvia	Mytiloida	Mytiloidea	Mytilidae		MOLL	MOBI	Musculus discors		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	Whole	BM-4-2	BM-4	2	18-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana pernula	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Mollusca	Bivalvia	Nuculanoida	Nuculanoidea	Yoldiidae		MOLL	MOBI	Yoldiidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidea	Nuculidae		MOLL	MOBI	Ennucula tenuis	1		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Mollusca	Bivalvia	Pectinida	Pectinoidea	Pectinidae		MOLL	MOBI	Similipecten greenlandicus		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	Whole	BM-4-2	BM-4	2	18-Aug-18	Mollusca	Bivalvia	Pectinida	Pectinoidea	Propeamussiidae		MOLL	MOBI	Similipecten greenlandicus	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	Whole	BM-4-2	BM-4	2	18-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae	Clinocardiinae	MOLL	MOBI	Ciliatocardium ciliatum		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae		MOLL	MOBI	Serripes groenlandicus			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	Whole	BM-4-2	BM-4	2	18-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae		MOLL	MOBI	Serripes groenlandicus		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	Whole	BM-4-2	BM-4	2	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea	1	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma moesta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.			5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Mollusca	Gastropoda	Cephalaspidea	Philinoidea	Cylichnidae		MOLL	MOGA	Cylichnoides occultus	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Mollusca	Gastropoda	Cephalaspidea				MOLL	MOGA	Cephalaspidea indet.		1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2/6	BM-4-2	BM-4	2	18-Aug-18	Mollusca	Gastropoda	Littorinimorpha	Naticoidea	Naticidae	Polinicinae	MOLL	MOGA	Euspira pallida			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	Whole	BM-4-2	BM-4	2	18-Aug-18	Mollusca	Gastropoda	Littorinimorpha	Naticoidea	Naticidae	Polinicinae	MOLL	MOGA	Euspira pallida	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Oedicerotidae indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis sp.		1	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Mollusca	Gastropoda	Cephalaspidea				MOLL	MOGA	Cephalaspidea indet.		1	5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Mollusca	Gastropoda		Trochoidea	Trochidae		MOLL	MOGA	Trochidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasiridae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	Whole	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae		ANNE	POER	Nereididae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Mollusca	Gastropoda	Littorinimorpha		Rissoidae		MOLL	MOGA	Rissoidae indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Tryphosidae		ARTH	CRAM	Orchomene sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Eunicida		Dorvilleidae		MEMO	MEMO	Nematoda indet.	60		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Parougia caeca	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Scoletoma impatiens		3	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Nereimyra punctata	1	1	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae	Nereidinae	ANNE	POER	Bipalponephtys cornuta	4	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Nereis zonata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta	10	6	7
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta		3	7
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllococidae	Eteoninae	ANNE	POER	Pholoe tecta	43	26	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	Whole	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Eteone longa complex	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Gattyana cirrhosa	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Harmothoe imbricata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae		ANNE	POER	Polynoidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Owenia fusiformis	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	Whole	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	21	5	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Dialychone sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Dialychone sp. 1	3	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	Whole	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Dialychone sp. 1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	Whole	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Sabellidae sp. 3		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) steenstrupi	1		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Pygospio sp.	2		
Golder	Baffinlands Iron Mine																				



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Lysippe labiata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae		ANNE	POSE	Ampharetidae indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	14	1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone pigmentata			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.	2		2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	Whole	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Cirratulidae indet.		4	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	Whole	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	10		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Laphania boeckii		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	Whole	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Leaena abbranchiata	1		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Pista maculata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	Whole	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Pista maculata	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	Whole	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Terebellidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Mediomastus sp.	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta			Cossuridae		ANNE	POSE	Cossura sp.	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta			Maldanidae	Maldaninae	ANNE	POSE	Maldane sarsi	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta			Opheliidae	Ophelininae	ANNE	POSE	Ophelina acuminata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta			Orbiniidae		ANNE	POSE	Scoloplos acutus		1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea hartmanae		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea minuta	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea nolani	1	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Annelida	Polychaeta			Scalibregmatidae		ANNE	POSE	Scalibregma inflatum	3	1	6
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Uristidae		ARTH	CRAM	Onisimus sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Pontoporeioidea	Pontoporeiidae		ARTH	CRAM	Pontoporeia femorata	1		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminidae		ARTH	CRAM	Guerneia nordenskioldi	6	9	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Monocloides sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Paroediceros lynceus		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Arthropoda	Maxillopoda			Sessilia		ARTH	CRCI	Balanomorpha indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Arthropoda	Maxillopoda	Cyclopoida		Cyclopoida		ARTH	CRCO	Cyclopoida indet.	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Arthropoda	Maxillopoda	Harpacticoida		Harpacticoida		ARTH	CRCO	Harpacticoida indet.	5		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Cumacea	Diastylidae	ARTH	CRCU	Brachydiastylis resima	7	8	5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Cumacea	Diastylidae	ARTH	CRCU	Diastylis lucifera		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Cumacea	Lampropididae	ARTH	CRCU	Lamprops fuscatus	4	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Cumacea	Leuconidae	ARTH	CRCU	Eudorella truncatula		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Cumacea	Leuconidae	ARTH	CRCU	Leucon sp.	3	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.	13	23	19
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	Whole	BM-4-3	BM-4	3	18-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Akanthophoreidae		ARTH	CRTA	Akanthophoreus sp.	2	2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Pseudotanaididae		ARTH	CRTA	Pseudotanaid sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Nemertea	Anopla	Archinemertea		Cephalothricidae		MISC	NTEA	Cephalothrix sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Nemertea	Enopla					MISC	NTEA	Enopla indet.	1		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	Whole	BM-4-3	BM-4	3	18-Aug-18	Chordata	Ascidacea	Stolidobranchia		Pyuridae		MISC	URAS	Boltenia echinata			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	Whole	BM-4-3	BM-4	3	18-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	Whole	BM-4-3	BM-4	3	18-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	8		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	Whole	BM-4-3	BM-4	3	18-Aug-18	Mollusca	Bivalvia	Anomalodesmata	Pandoroidea	Lyonsiidae		MOLL	MOBI	Lyonsia arenosa	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis		1	7
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	Whole	BM-4-3	BM-4	3	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis	2	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui		19	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	Whole	BM-4-3	BM-4	3	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.			6
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya sp.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	Whole	BM-4-3	BM-4	3	18-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	Whole	BM-4-3	BM-4	3	18-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana pernula	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	Whole	BM-4-3	BM-4	3	18-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana pernula	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidea	Nuculidae		MOLL	MOBI	Ennucula tenuis	3	1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	Whole	BM-4-3	BM-4	3	18-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidea	Nuculidae		MOLL	MOBI	Ennucula tenuis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioida	Cardiidae		MOLL	MOBI	Serripes groenlandicus			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	Whole	BM-4-3	BM-4	3	18-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioida	Cardiidae		MOLL	MOBI	Serripes groenlandicus		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	Whole	BM-4-3	BM-4	3	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Thracioomatidae		MOLL	MOBI	Periploma aleuticum		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1/4	BM-4-3	BM-4	3	18-Aug-18	Mollusca	Gastropoda	Littorinimorpha	Rissooidea	Rissoidae		MOLL	MOGA	Boreocingula castanea	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	Whole	BM-6-1	BM-6	1	18-Aug-18	Bryozoa	Gymnolaemata	Ctenostomatida				MISC	BRYO	Ctenostomata indet.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Cnidaria	Hydrozoa	Limnomedusae		Olindiidae		MISC	CNHY	Monobrachium parasitum	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	Whole	BM-6-1	BM-6	1	18-Aug-18	Cnid											



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Oweniidae indet.	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Mollusca	Caudofoveata	Chaetodermatida		Chaetodermatidae		MOLL	MOAP	Chaetoderma sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Mollusca	Bivalvia	Veneroidea	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Mollusca	Gastropoda					MOLL	MOGA	Gastropoda indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis	1	1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	Whole	BM-6-1	BM-6	1	18-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens		1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponephtys cornuta	7		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta	11	3	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae		ANNE	POER	Polynoidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Galathowenia oculata	5	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Myriochele heeri	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Owenia fusiformis	22		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	15		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Dialychone sp. 1	2	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) steenstrupi	30	10	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Pygospio sp.	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Melinninae	ANNE	POSE	Melinna elisabethae			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Aphelocheata sp.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	19		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone pigmentata			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone setosa complex	12	2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.		5	6
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	Whole	BM-6-1	BM-6	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Mediomastus sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Annelida	Polychaeta			Cossuridae		ANNE	POSE	Cossura sp.	9	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Annelida	Polychaeta			Malदानidae	Euclymeninae	ANNE	POSE	Euclymeninae indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Annelida	Polychaeta			Malदानidae	Euclymeninae	ANNE	POSE	Microclymene sp.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Annelida	Polychaeta			Orbiniidae		ANNE	POSE	Orbiniidae indet.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea hartmanae	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea minuta	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea nolani	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea sp.	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Annelida	Polychaeta			Scalibregmatidae		ANNE	POSE	Scalibregma inflatum		2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Arthropoda	Pycnogonida	Pantopoda	Nymphonoidea	Nymphonidae		ARTH	CHPY	Nymphon sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Uristidae		ARTH	CRAM	Onisimus sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Rostroculodes sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis lucifera			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis scorioides	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylodes biplicatus			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Eudorella truncatula	3	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Leucon sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	Whole	BM-6-1	BM-6	1	18-Aug-18	Arthropoda	Malacostraca	Decapoda	Crangonoidea	Crangonidae		ARTH	CRDE	Sabinea septemcarinata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.	18	21	20
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Arthropoda	Malacostraca	Tanaidacea	Apseudoidea	Sphyrapodidae		ARTH	CRTA	Pseudosphyrapus anomalus	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Typhlotanaidae		ARTH	CRTA	Typhlotanais sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	Whole	BM-6-1	BM-6	1	18-Aug-18	Nemertea	Enopla					MISC	NTEA	Enopla indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis		6	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui		11	6
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.			9
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasira sp.		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasiridae indet.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Mollusca	Bivalvia	Myida		Myiidae		MOLL	MOBI	Mya truncata		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	Whole	BM-6-1	BM-6	1	18-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana pernula	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Mollusca	Bivalvia	Nuculanoida	Nuculanoidea	Yoldiidae		MOLL	MOBI	Yoldiidae indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Mollusca	Bivalvia	Nuculida		Nuculidae		MOLL	MOBI	Ennucula tenuis		3	8
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Mollusca	Bivalvia	Pectinida	Pectinoidea	Propeamussiidae		MOLL	MOBI	Similipecten greenlandicus	4	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	Whole	BM-6-1	BM-6	1	18-Aug-18	Mollusca	Bivalvia	Pectinida	Pectinoidea	Propeamussiidae		MOLL	MOBI	Similipecten greenlandicus	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Mollusca	Bivalvia	Veneroidea	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	Whole	BM-6-1	BM-6	1	18-Aug-18	Mollusca	Bivalvia	Veneroidea	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea	2	5	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Mollusca	Bivalvia	Veneroidea	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma moesta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	1/2	BM-6-1	BM-6	1	18-Aug-18	Mollusca	Bivalvia					MOLL	MOBI	Bivalvia indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-025	Whole	BM-6-1	BM-6	1	18-Aug-18	Mollusca	Gastropoda		Lottioidae	Lepetidae		MOLL	MOGA	Lepeta caeca	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	Whole	BM-6-2	BM-6	2	18-Aug-18	Cnidaria	Hydrozoa		Limnomedusae	Olinidiidae		MISC	CNHY	Monobranchium parasitum	2		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Tryphosidae		ARTH	CRAM	Orchomene sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Tryphosidae		ARTH	CRAM	Tryphosidae indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Mollusca	Gastropoda	Littorinimorpha	Capuloidea	Capulidae		MOLL	MOGA	Ariadnaria borealis			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18							MEMO	MEMO	Desmosoma sp. (planktonic)	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18							MEMO	MEMO	Egg/egg mass	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18							MEMO	MEMO	Nematoda indet.	41		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Eunicida		Dorvilleidae		ANNE	POER	Parougia caeca	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens	4	1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocida		ANNE	POER	Nereimyra punctata		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponephtys cornuta	10		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocida		ANNE	POER	Pholoe tecta	12	8	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocidae	Eteoninae	ANNE	POER	Eteone longa complex	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Harmothoe sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	Whole	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Melaenis loveni	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Polynoidae indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Sphaerodoridae		ANNE	POER	Sphaerodoropsis minuta	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Galathowenia oculata	7		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Owenia fusiformis	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	Whole	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Owenia fusiformis	21		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	43	5	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Dialychone sp. 1	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Spionida		Apistobranchidae		ANNE	POSE	Apistobranchus sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) steenstrupi	17	8	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Pygospio sp.	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	Whole	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Lysippe labiata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae		ANNE	POSE	Ampharetidae indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Aphelochaeta sp.	2		2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	25	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone setosa complex	1	2	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	Whole	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	Whole	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Capitellidae		Capitellidae		ANNE	POSE	Mediomastus sp.	3	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Cossuridae		Cossuridae		ANNE	POSE	Cossura sp.	11	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Maldanidae		Maldanidae	Euclymeninae	ANNE	POSE	Euclymeninae indet.	4		2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Maldanidae		Maldanidae	Euclymeninae	ANNE	POSE	Microclymene sp.	3	3	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Maldanidae		Maldanidae	Maldaninae	ANNE	POSE	Maldane sarsi	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Orbiniidae		Orbiniidae		ANNE	POSE	Scoloplos acutus		4	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Paraonidae		Paraonidae		ANNE	POSE	Aricidea minuta	3	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Paraonidae		Paraonidae		ANNE	POSE	Aricidea nolani	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Annelida	Polychaeta	Scalibregmatidae		Scalibregmatidae		ANNE	POSE	Scalibregma inflatum	2	1	9
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Ampeliscoidea	Ampeliscidae		ARTH	CRAM	Byblis sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Pontoporeioidea	Pontoporeiidae		ARTH	CRAM	Pontoporeia femorata			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminidae		ARTH	CRAM	Guerneia nordenskioldi		5	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Rostruculodes sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Westwoodilla sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Arthropoda	Maxillopoda	Cyclopoida		Cyclopoida		ARTH	CRCO	Cyclopoida indet.	35		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Brachydiastylis resima	4	6	6
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis rathkei		2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Lampropidae		ARTH	CRCU	Lamprops fuscatus	2	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Leucon sp.	5	8	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Leucon sp.	6	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Nannastacidae		ARTH	CRCU	Campylaspis rubicunda	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Arthropoda	Malacostraca	Mysida		Mysidae		ARTH	CRMY	Mysis sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.	8	15	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Arthropoda	Malacostraca	Tanaidacea	Apseudoidea	Sphyrapodidae		ARTH	CRTA	Pseudosphyrapus anomalus	1	4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Akanthophoreidae		ARTH	CRTA	Akanthophoreus sp.		9	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Tanaidacea		ARTH	CRTA	Tanaidacea indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Nemertea	Anopla	Heteronemertea		Lineidae		MISC	NTEA	Cerebratulus sp.		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Nemertea	Enopla			Lineidae		MISC	NTEA	Enopla indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	Whole	BM-6-2	BM-6	2	18-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	Whole	BM-6-2	BM-6	2	18-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	Whole	BM-6-2	BM-6	2	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis	2	2	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18												



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	Whole	BM-6-2	BM-6	2	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui		6	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasira sp.		4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasiridae indet.		2	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	Whole	BM-6-2	BM-6	2	18-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	Whole	BM-6-2	BM-6	2	18-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	Whole	BM-6-2	BM-6	2	18-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana pernula	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana sp.		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidea	Nuculidae		MOLL	MOBI	Ennucula tenuis		1	5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	Whole	BM-6-2	BM-6	2	18-Aug-18	Mollusca	Bivalvia	Pectinida	Pectinoidea	Propeamussiidae		MOLL	MOBI	Similipecten greenlandicus	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	Whole	BM-6-2	BM-6	2	18-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae	Clinocardiinae	MOLL	MOBI	Ciliatocardium ciliatum		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	Whole	BM-6-2	BM-6	2	18-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae		MOLL	MOBI	Serripes groenlandicus			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	Whole	BM-6-2	BM-6	2	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea	1	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	Whole	BM-6-2	BM-6	2	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma moesta	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.			7
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Bivalvia indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	Whole	BM-6-2	BM-6	2	18-Aug-18	Mollusca	Gastropoda	Cephalaspidea	Philinoidea	Cylichnidae		MOLL	MOGA	Cylichna sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Mollusca	Gastropoda	Cephalaspidea				MOLL	MOGA	Cephalaspidea indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Mollusca	Gastropoda	Littorinimorpha	Naticoidea	Naticidae	Polinicinae	MOLL	MOGA	Euspira pallida			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Mollusca	Gastropoda	Littorinimorpha		Rissoidea		MOLL	MOGA	Rissoidea indet.	1	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1/3	BM-6-2	BM-6	2	18-Aug-18	Mollusca	Gastropoda					MOLL	MOGA	Gastropoda indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	Whole	BM-6-3	BM-6	3	18-Aug-18	Bryozoa	Gymnolaemata	Ctenostomatida				MISC	BRYO	Ctenostomata indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Bryozoa						MISC	BRYO	Bryozoa indet.	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Cnidaria	Hydrozoa	Limnomedusae		Olindiidae		MISC	CNHY	Monobranchium parasitum	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda				ARTH	CRAM	Amphipoda indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	Whole	BM-6-3	BM-6	3	18-Aug-18	Mollusca	Gastropoda		Lottioidea	Lepetidae		MOLL	MOGA	Lepeta caeca		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	Whole	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	Whole	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Myriochele heeri	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18							MEMO	MEMO	Egg/egg mass	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18							MEMO	MEMO	Nematoda indet.	122		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens	1	2	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata	2	3	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponephytis cornuta	12		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae	Nereidinae	ANNE	POER	Nereis zonata			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidea		ANNE	POER	Pholoe minuta	6	2	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholodocidae		ANNE	POER	Pholoe tecta	35	4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocidae	Eteoninae	ANNE	POER	Eteone sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocidae	Phyllodocinae	ANNE	POER	Phyllodoce groenlandica		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidea	Polynoinae	ANNE	POER	Gattyana cirrhosa	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidea	Polynoinae	ANNE	POER	Gattyana cirrhosa	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidea	Polynoinae	ANNE	POER	Harmothoe imbricata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Owenia fusiformis	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	Whole	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Owenia fusiformis	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euichone incolor	34	3	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Dialychone sp.		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta	Spionida		Apistobrachidae		ANNE	POSE	Apistobranchus sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	Whole	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Laonice cirrata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) steenstrupi	4	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Pygospio sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.	1		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Aphelochaeta sp.	5	1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	11		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone pigmentata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone setosa complex	3		2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.		2	9
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	Whole	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	8		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Laphania boeckii		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	Whole	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Pista maculata	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Mediomastus sp.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta			Coscuridae		ANNE	POSE	Coscura sp.	11		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta			Maldanidae	Euclymeninae	ANNE	POSE	Euclymeninae indet.		2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta			Maldanidae	Maldaninae	ANNE	POSE	Maldane sarsi	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta			Opheliidae	Ophelininae	ANNE	POSE	Ophelina acuminata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta			Opheliidae	Ophelininae	ANNE	POSE	Ophelina sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	Whole	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta			Orbiniidae		ANNE	POSE	Scoloplos armiger	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta			Orbiniidae							



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea minuta	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea nolani	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Annelida	Polychaeta			Scalibregmatidae		ANNE	POSE	Scalibregma inflatum	1	4	5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Ampellicoidae	Ampellicidae		ARTH	CRAM	Byblis sp.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Corophioidea	Corophiidae		ARTH	CRAM	Monocorophium sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda	Pontoporeioidea	Pontoporeiidae		ARTH	CRAM	Pontoporeia femorata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	Whole	BM-6-3	BM-6	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Ampellicidae		ARTH	CRAM	Haploops tubicola	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminidae		ARTH	CRAM	Guerneia nordenskioldi	6	7	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Monocolodes sp.		2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	Whole	BM-6-3	BM-6	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Paroedicerus lynceus	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Arthropoda	Maxillopoda			Sessilia		ARTH	CRCI	Balanomorpha indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Arthropoda	Maxillopoda	Cyclopoida				ARTH	CRCO	Cyclopoida indet.		8	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Arthropoda	Maxillopoda	Harpacticoida				ARTH	CRCO	Harpacticoida indet.		9	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Brachydiastylis resima	1	6	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylodes biplicatus		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Lampropiidae		ARTH	CRCU	Lamprops fuscatus	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Leucon sp.		1	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.	11	14	13
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Arthropoda	Malacostraca	Tanaidacea	Apseudoidea	Sphyrapodidae		ARTH	CRTA	Pseudosphyrapus anomalus	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Akanthophoreidae		ARTH	CRTA	Akanthophoreus sp.	2	4	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Pseudotanaididae		ARTH	CRTA	Pseudotanaid sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Echinodermata	Ophiuroidea			Ophiurinae		ECHI	ECOP	Ophiura sarsii		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	Whole	BM-6-3	BM-6	3	18-Aug-18	Echinodermata	Ophiuroidea	Ophiurida		Ophiuridae	Ophiurinae	ECHI	ECOP	Ophiura sarsii		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Nemertea	Enopla					MISC	NTEA	Enopla indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Cephalorhyncha	Priapulida			Priapulidae		MISC	PRIA	Priapulus caudatus	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	Whole	BM-6-3	BM-6	3	18-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	5	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui		4	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	Whole	BM-6-3	BM-6	3	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui	3	5	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Axinopsida sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasira sp.		4	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasiridae indet.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	Whole	BM-6-3	BM-6	3	18-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Mollusca	Bivalvia	Nuculanoida	Nuculanoidea	Yoldiidae		MOLL	MOBI	Yoldiidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidae	Nuculidae		MOLL	MOBI	Ennucula tenuis			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	Whole	BM-6-3	BM-6	3	18-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidae	Nuculidae		MOLL	MOBI	Ennucula tenuis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae	Clinocardiinae	MOLL	MOBI	Ciliatocardium ciliatum			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma moesta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	Whole	BM-6-3	BM-6	3	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma moesta	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.			5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Mollusca	Bivalvia					MOLL	MOBI	Bivalvia indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Mollusca	Gastropoda	Cephalaspidea		Gastropoda		MOLL	MOGA	Cephalaspidea indet.		1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Mollusca	Gastropoda	Littorinimorpha	Rissooidea	Rissoidae		MOLL	MOGA	Boreocingula castanea	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2/6	BM-6-3	BM-6	3	18-Aug-18	Mollusca	Gastropoda	Littorinimorpha		Rissoidae		MOLL	MOGA	Rissoidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	Whole	BM-6-3	BM-6	3	18-Aug-18	Mollusca	Gastropoda	Neogastropoda	Buccinoidea	Buccinidae		MOLL	MOGA	Colus sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Cnidaria	Hydrozoa			Limnomedusae		MISC	CNHY	Monobrachium parasitum	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	3	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Mollusca	Bivalvia					MOLL	MOBI	Bivalvia indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta	5	3	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta	14		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Annelida	Polychaeta			Cirratulidae		ANNE	POSE	Chaetozone bathyala	11	6	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Annelida	Polychaeta			Terebellida		ANNE	POSE	Chaetozone careyi	11	4	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Annelida	Polychaeta			Terebellida		ANNE	POSE	Chaetozone setosa complex	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Annelida	Polychaeta			Cirratulidae		ANNE	POSE	Chaetozone sp.	1	6	13
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Annelida	Polychaeta			Cossuridae		ANNE	POSE	Cossura sp.	6		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Marenzelleria sp.	6	4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Annelida	Polychaeta					MEMO	MEMO	Nematoda indet.		36	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae	Microphthalminae	ANNE	POER	Microphthalmus sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponephrys cornuta	5	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae	Nereidinae	ANNE	POER	Nereis zonata	1		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	19	4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Dialychone sp. 1	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) steenstrupi		4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Pygospio sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Spio sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone pigmentata			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Cirratulidae indet.		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Tharyx sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	8		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Capitella capitata complex		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Mediomastus sp.	6	9	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Annelida	Polychaeta			Maldanidae	Maldaninae	ANNE	POSE	Maldane sarsi	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Annelida	Polychaeta			Orbiniidae		ANNE	POSE	Orbiniidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea nolani		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Annelida	Polychaeta			Scalibregmatidae		ANNE	POSE	Scalibregma inflatum			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Arthropoda	Malacostraca		Oedicerotoidea	Oedicerotidae		ARTH	CRAM	Monoculopsis sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Arthropoda	Malacostraca			Dexaminidae		ARTH	CRAM	Guerneia nordenskioldi		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Arthropoda	Malacostraca			Oedicerotidae		ARTH	CRAM	Monoculodes sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Arthropoda	Malacostraca			Pontoporeiidae		ARTH	CRAM	Monoporeia affinis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Arthropoda	Malacostraca			Amphipoda		ARTH	CRAM	Amphipoda indet.	1	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Arthropoda	Maxillopoda			Sessilia		ARTH	CRCI	Balanomorpha indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Arthropoda	Maxillopoda			Cyclopoida		ARTH	CRCO	Cyclopoida indet.	10		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Arthropoda	Malacostraca			Cumacea		ARTH	CRCU	Diastylis sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Arthropoda	Malacostraca			Cumacea		ARTH	CRCU	Leucon sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Arthropoda	Malacostraca			Mysida		ARTH	CRMY	Mysis sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Arthropoda	Ostracoda			Myodocopida		ARTH	CROS	Philomedes sp.		2	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Nemertea	Anopla			Heteronemertea		MISC	NTEA	Cerebratulus sp.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Nemertea	Enopla					MISC	NTEA	Enopla indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis	6	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasira sp.		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Mollusca	Bivalvia	Mytiloidea	Mytiloidea	Mytilidae		MOLL	MOBI	Musculus discors		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidea	Nuculidae		MOLL	MOBI	Ennucula tenuis			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Nuculidae		MOLL	MOBI	Serripes groenlandicus			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea		3	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	Whole	BM-7-1	BM-7	1	18-Aug-18	Mollusca	Gastropoda			Cephalaspidea		MOLL	MOGA	Cephalaspidea indet.		1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029	Whole	BM-7-2	BM-7	2	18-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Marenzelleria sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029	Whole	BM-7-2	BM-7	2	18-Aug-18							MEMO	MEMO	Nematoda indet.	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029	Whole	BM-7-2	BM-7	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholidae		ANNE	POER	Pholoe minuta	14	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029	Whole	BM-7-2	BM-7	2	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholidae		ANNE	POER	Pholoe tecta	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029	Whole	BM-7-2	BM-7	2	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029	Whole	BM-7-2	BM-7	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone careyi	5	5	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029	Whole	BM-7-2	BM-7	2	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029	Whole	BM-7-2	BM-7	2	18-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Mediomastus sp.	6	5	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029	Whole	BM-7-2	BM-7	2	18-Aug-18	Annelida	Polychaeta			Maldanidae	Euclymeninae	ANNE	POSE	Euclymeninae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029	Whole	BM-7-2	BM-7	2	18-Aug-18	Annelida	Polychaeta			Scalibregmatidae		ANNE	POSE	Scalibregma inflatum	3		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029	Whole	BM-7-2	BM-7	2	18-Aug-18	Arthropoda	Malacostraca		Amphipoda			ARTH	CRAM	Monoporeia affinis	4	14	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029	Whole	BM-7-2	BM-7	2	18-Aug-18	Arthropoda	Maxillopoda			Sessilia		ARTH	CRCI	Balanomorpha indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029	Whole	BM-7-2	BM-7	2	18-Aug-18	Arthropoda	Maxillopoda			Cyclopoida		ARTH	CRCO	Cyclopoida indet.	52		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029	Whole	BM-7-2	BM-7	2	18-Aug-18	Arthropoda	Malacostraca			Cumacea		ARTH	CRCU	Lamprops fuscatus	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029	Whole	BM-7-2	BM-7	2	18-Aug-18	Arthropoda	Malacostraca			Mysida		ARTH	CRMY	Mysis sp.	5		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029	Whole	BM-7-2	BM-7	2	18-Aug-18	Arthropoda	Ostracoda			Myodocopida		ARTH	CROS	Philomedes sp.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029	Whole	BM-7-2	BM-7	2	18-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029	Whole	BM-7-2	BM-7	2	18-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029	Whole	BM-7-2	BM-7	2	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029	Whole	BM-7-2	BM-7	2	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029	Whole	BM-7-2	BM-7	2	18-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasira sp.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029	Whole	BM-7-2	BM-7	2	18-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Mysidae		MOLL	MOBI	Mya truncata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Arthropoda	Malacostraca			Mysida		ARTH	CRMY	Mysis sp.	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Mollusca	Bivalvia		Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	3	1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Mollusca	Gastropoda					MOLL	MOGA	Gastropoda indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.		1	19
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18							MEMO	MEMO	Copepoda indet. (parasitic)	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18							MEMO	MEMO	Nematoda indet.	32		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Lumbrineris sp.		1	



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens	6	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata	3	3	9
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponephtys cornuta	12		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta	14	16	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta	32	4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocidae	Eteoninae	ANNE	POER	Eteone sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Harmothoe sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Galathowenia oculata	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	10	5	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Sabellidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Annelida	Polychaeta	Spionida		Apistobanchidae		ANNE	POSE	Apistobanchus sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Annelida	Polychaeta	Spionida		Spionida		ANNE	POSE	Prionospio (Prionospio) steenstrupi		4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Annelida	Polychaeta	Spionida		Spionida		ANNE	POSE	Pygospio sp.	5	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Annelida	Polychaeta	Spionida		Spionida		ANNE	POSE	Spio filicornis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	16	3	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone setosa complex	4	2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.	1	5	19
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	12		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Annelida	Polychaeta	Terebellida		Trichobanchidae	Trichobanchinae	ANNE	POSE	Terebellides sp.	3	3	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Mediomastus sp.	1	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Annelida	Polychaeta			Cossuridae		ANNE	POSE	Cossura sp.	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Annelida	Polychaeta			Maldanidae	Maldaninae	ANNE	POSE	Maldane sarsi	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Annelida	Polychaeta			Opheliidae	Ophelininae	ANNE	POSE	Ophelina acuminata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Annelida	Polychaeta			Orbiniidae		ANNE	POSE	Orbiniidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Annelida	Polychaeta			Orbiniidae		ANNE	POSE	Scoloplos acutus	2	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Annelida	Polychaeta			Scalibregmatidae		ANNE	POSE	Scalibregma inflatum	2	3	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Corophiidae		ARTH	CRAM	Crassicorophium bonellii		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminidae		ARTH	CRAM	Guerneia nordenskioldi	3	4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Arthropoda	Malacostraca	Amphipoda		Pontoporeiidae		ARTH	CRAM	Monoporeia affinis	1	2	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Arthropoda	Maxillopoda	Cyclopoida				ARTH	CRCO	Cyclopoida indet.		413	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis lucifera	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Arthropoda	Malacostraca	Cumacea		Lampropropidae		ARTH	CRCU	Lampropropis fuscatus	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.	13	13	9
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Arthropoda	Malacostraca	Tanaidacea				ARTH	CRTA	Tanaidacea indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Nemertea	Anopla	Heteronemertea		Lineidae		MISC	NTEA	Cerebratulus sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Nemertea	Enopla					MISC	NTEA	Enopla indet.		2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	3		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis	1	4	10
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui		9	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasira sp.	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasiridae indet.		5	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Mollusca	Bivalvia	Nuculanoida	Nuculanoidea	Yoldiidae		MOLL	MOBI	Yoldiidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidea	Nuculidae		MOLL	MOBI	Ennucula tenuis	2		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae		MOLL	MOBI	Serripes groenlandicus			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030	Whole	BM-7-3	BM-7	3	18-Aug-18	Mollusca	Gastropoda	Cephalaspidea				MOLL	MOGA	Cephalaspidea indet.		3	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea			ARTH	CRAM	Lysianassoidea indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Tryphosidae		ARTH	CRAM	Orchomenella pinguis	1	4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18							MEMO	MEMO	Nematoda indet.	15		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Eunicida		Dorvilleidae		ANNE	POER	Dorvilleidae indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens	3	2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata	2	2	9
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponephtys cornuta	11		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta	5	4	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta	34	9	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Gattyana cirrhosa	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Harmothoe imbricata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae		ANNE	POER	Polynoidae indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Galathowenia oculata	6		2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Owenia fusiformis	11		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Owenia fusiformis	20		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	10	6	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Dialychone sp. 1	3	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Sabellidae sp. 3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Dipolydora socialis		1</	



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) steenstrupi	33	13	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Pygospio sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Melinninae	ANNE	POSE	Melinna elisabethae	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	10	4	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone careyi		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone pigmentata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone setosa complex	3	1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.		5	5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Cirratulidae indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	Whole	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	5		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Pista maculata			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	Whole	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Terebellida		Capitellidae		ANNE	POSE	Mediomastus sp.	3	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Terebellida		Cossuridae		ANNE	POSE	Cossura sp.	21	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Terebellida		Maldanidae	Maldaninae	ANNE	POSE	Maldane sarsi	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Terebellida		Orbiniidae		ANNE	POSE	Orbiniidae indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Terebellida		Orbiniidae		ANNE	POSE	Scoloplos acutus	2	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Terebellida		Paraonidae		ANNE	POSE	Aricidea hartmanae	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Terebellida		Paraonidae		ANNE	POSE	Aricidea minuta	6		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Terebellida		Paraonidae		ANNE	POSE	Aricidea nolani	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Annelida	Polychaeta	Terebellida		Scalibregmatidae		ANNE	POSE	Scalibregma inflatum	1	3	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Arthropoda	Malacostraca	Amphipoda	Phoxocephaloidea	Phoxocephalidae		ARTH	CRAM	Harpinia serrata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	Whole	BM-9-1	BM-9	1	19-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Uristidae		ARTH	CRAM	Anonyx sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Uristidae		ARTH	CRAM	Onisimus sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminidae		ARTH	CRAM	Guerneia nordenskioldi	5	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Oedicerotidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Arthropoda	Maxillopoda	Sessilia				ARTH	CRCI	Balanomorpha indet.			7
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Arthropoda	Maxillopoda	Cyclopoida				ARTH	CRCO	Cyclopoida indet.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Brachydiastylis resima			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis scorpioides		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.	22	24	15
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Arthropoda	Malacostraca	Tanaidacea	Apseudoidea	Sphyrapodidae		ARTH	CRTA	Pseudosphyrapus anomalus	6	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Arthropoda	Malacostraca	Tanaidacea				ARTH	CRTA	Tanaidacea indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	Whole	BM-9-1	BM-9	1	19-Aug-18	Echinodermata	Echinoidea	Camarodonta	Odontophora	Strongylocentrotidae		ECHI	ECEC	Strongylocentrotus droebachiensis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	Whole	BM-9-1	BM-9	1	19-Aug-18	Echinodermata	Ophiuroidea	Ophiurida		Ophiuridae	Ophiurinae	ECHI	ECOP	Ophiura sarsii		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Nemertea	Enopla					MISC	NTEA	Enopla indet.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Mollusca	Caudofoveata	Chaetodermatida		Chaetodermatidae		MOLL	MOAP	Chaetoderma sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	Whole	BM-9-1	BM-9	1	19-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	6		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	Whole	BM-9-1	BM-9	1	19-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	Whole	BM-9-1	BM-9	1	19-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Axinopsida sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasiridae indet.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Yoldiidae		MOLL	MOBI	Yoldiidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidea	Nuculidae		MOLL	MOBI	Ennucula tenuis	1	2	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae		MOLL	MOBI	Serripes groenlandicus			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	Whole	BM-9-1	BM-9	1	19-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea	1	4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	Whole	BM-9-1	BM-9	1	19-Aug-18	Mollusca	Bivalvia		Thracioidea	Periplomatidae		MOLL	MOBI	Periploma aleuticum		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Mollusca	Bivalvia					MOLL	MOBI	Bivalvia indet.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Mollusca	Gastropoda	Littorinimorpha		Rissoidae		MOLL	MOGA	Rissoidae indet.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	5/12	BM-9-1	BM-9	1	19-Aug-18	Mollusca	Gastropoda		Lottioidea	Lepetidae		MOLL	MOGA	Lepeta caeca		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031	Whole	BM-9-1	BM-9	1	19-Aug-18	Mollusca	Gastropoda		Lottioidea	Lepetidae		MOLL	MOGA	Lepeta caeca	2		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Marenzelleria sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18							MEMO	MEMO	Egg/egg mass	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18							MEMO	MEMO	Nematoda indet.	35		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	Whole	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens	8	3	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata	13	11	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponephytys cornuta	13		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae	Nereidinae	ANNE	POER	Nereis zonata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	Whole	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae	Nereidinae	ANNE	POER	Nereis zonata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae		ANNE	POER	Nereididae indet.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta	9	9	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta	42	7	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocidae	Eteoninae	ANNE	POER	Eteone sp.		2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Harmothoe sp.	1	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Galathowenia oculata	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Owenia fusiformis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	Whole	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Owenia fusiformis	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta	Sabellida		Sabelliidae	Sabellinae	ANNE	POSE	Euchone incolor	13	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta	Sabellida		Sabelliidae		ANNE	POSE	Sabelliidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta	Spionida		Apistobrachidae		ANNE	POSE	Apistobrachus sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) steenstrupi	2	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Pygospio sp.	6	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	27	7	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone pigmentata	1		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone setosa complex	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.		7	11
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Cirratulidae indet.			5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Pectinides granulata	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	Whole	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	34		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	Whole	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Pista maculata	10		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta	Terebellida		Trichobrachidae	Trichobrachinae	ANNE	POSE	Trichobrachides sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	Whole	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta	Terebellida		Trichobrachidae	Trichobrachinae	ANNE	POSE	Terebellides sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Mediomastus sp.	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta			Cossuridae		ANNE	POSE	Cossura sp.	7	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta			Polychaeta	Euclymeninae	ANNE	POSE	Euclymeninae indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta			Maldanidae	Euclymeninae	ANNE	POSE	Microclymene sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta			Maldanidae	Maldaninae	ANNE	POSE	Maldane sarsi	7	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	Whole	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta			Maldanidae	Maldaninae	ANNE	POSE	Maldane sarsi	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta			Orbiniidae		ANNE	POSE	Scoloplos acutus		4	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Annelida	Polychaeta			Scalibregmatidae		ANNE	POSE	Scalibregma inflatum	5	3	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	Whole	BM-9-2	BM-9	2	19-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Uristidae		ARTH	CRAM	Anonyx sarsi	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Arthropoda	Malacostraca	Amphipoda	Pontoporeioidea	Pontoporeiidae		ARTH	CRAM	Pontoporeia femorata			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	Whole	BM-9-2	BM-9	2	19-Aug-18	Arthropoda	Malacostraca	Amphipoda		Ampeliscaidae		ARTH	CRAM	Ampelisca eschrichtii	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminidae		ARTH	CRAM	Guerneia nordenskioldi	2	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Arthropoda	Malacostraca	Amphipoda		Pontoporeiidae		ARTH	CRAM	Monoporeia affinis			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Arthropoda	Maxillopoda	Sessilia				ARTH	CRCI	Balanomorpha indet.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Arthropoda	Maxillopoda	Cyclopoida				ARTH	CRCO	Cyclopoida indet.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis lucifera		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis scorpioides	1	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Leucon sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.	18	18	9
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Akanthophoreidae		ARTH	CRTA	Akanthophoreus sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	Whole	BM-9-2	BM-9	2	19-Aug-18	Echinodermata	Echinoidea	Camarodonta	Odontophora	Strongylocentrotidae		ECHI	ECEA	Strongylocentrotus droebachiensis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Nemertea	Anopla	Heteronemertea		Lineidae		MISC	NTEA	Cerebratulus sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Nemertea	Anopla					MISC	NTEA	Enopla indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Sipuncula	Sipunculidea	Golfingiida		Golfingiidae		MISC	SIPN	Golfingia sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica		1	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	Whole	BM-9-2	BM-9	2	19-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	12	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	Whole	BM-9-2	BM-9	2	19-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis	2	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui	6		4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	Whole	BM-9-2	BM-9	2	19-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui	1	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Axinopsida sp.		5	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasira sp.		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasiridae indet.	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Mollusca	Bivalvia	My									



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	Whole	BM-9-2	BM-9	2	19-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Mollusca	Bivalvia	Mytiloidea	Mytiloidea	Mytilidae		MOLL	MOBI	Musculus discors			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	2	1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	Whole	BM-9-2	BM-9	2	19-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Yoldiidae		MOLL	MOBI	Yoldiidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidea	Nuculidae		MOLL	MOBI	Ennucula tenuis			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	Whole	BM-9-2	BM-9	2	19-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidea	Nuculidae		MOLL	MOBI	Ennucula tenuis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Mollusca	Bivalvia	Pectinoidea	Pectinoidea	Pectinidae		MOLL	MOBI	Pectinidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	Whole	BM-9-2	BM-9	2	19-Aug-18	Mollusca	Bivalvia	Veneroidea	Cardioidea	Cardiidae	Clinocardiinae	MOLL	MOBI	Ciliatocardium ciliatum		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Mollusca	Bivalvia	Veneroidea	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	Whole	BM-9-2	BM-9	2	19-Aug-18	Mollusca	Bivalvia	Veneroidea	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Mollusca	Bivalvia	Veneroidea	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.			10
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	Whole	BM-9-2	BM-9	2	19-Aug-18	Mollusca	Bivalvia	Veneroidea	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Mollusca	Gastropoda	Cephalaspidea				MOLL	MOGA	Cephalaspidea indet.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Mollusca	Gastropoda	Littorinimorpha	Naticoidea	Naticidae	Polinicinae	MOLL	MOGA	Euspira pallida		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1/2	BM-9-2	BM-9	2	19-Aug-18	Mollusca	Gastropoda	Littorinimorpha	Rissooidea	Rissoidae		MOLL	MOGA	Boreocingula castanea	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Mollusca	Gastropoda					MOLL	MOGA	Gastropoda indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Marenzelleria sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18							MEMO	MEMO	Egg/egg mass	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18							MEMO	MEMO	Nematoda indet.	29		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens	2	2	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocida		ANNE	POER	Nereimyra punctata	8	1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponephtys cornuta	17	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae	Nereidinae	ANNE	POER	Nereis zonata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae		ANNE	POER	Nereididae indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidea		ANNE	POER	Pholoe minuta	3	2	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidea		ANNE	POER	Pholoe tecta	22	6	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocidae	Eteoninae	ANNE	POER	Eteone longa complex	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Gattyana cirrhosa	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Harmothoe imbricata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Harmothoe sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	17	4	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Dialychone sp.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Dialychone sp. 1	11	5	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Sabellidae sp. 3		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Spionida		Apistobrachidae		ANNE	POSE	Apistobrachus sp.	3	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Dipolydora quadrilobata			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) steenstrupi	6		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Pygospio sp.	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	Whole	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae		ANNE	POSE	Amphicteis sundevalli	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	20	9	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone setosa complex	1	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.		1	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Cirratulidae indet.	2	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Tharyx sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	Whole	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Pista maculata	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Terebellida		Trichobrachidae	Trichobrachinae	ANNE	POSE	Terebellides sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	Whole	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Terebellida		Trichobrachidae	Trichobrachinae	ANNE	POSE	Terebellides sp.	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Mediomastus sp.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta			Cossuridae		ANNE	POSE	Cossura sp.	7		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta			Maldanidae	Euclymeninae	ANNE	POSE	Microclymene sp.		1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta			Maldanidae	Euclymeninae	ANNE	POSE	Praxillella praetermissa	1	2	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta			Maldanidae	Maldaninae	ANNE	POSE	Maldane sarsi	6		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta			Maldanidae		ANNE	POSE	Maldanidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Orbiniidae		Orbiniidae		ANNE	POSE	Scoloplos acutus	1		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	Whole	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Orbiniidae		Orbiniidae		ANNE	POSE	Scoloplos acutus	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Paraonidae		Paraonidae		ANNE	POSE	Aricidea hartmanae	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Paraonidae		Paraonidae		ANNE	POSE	Aricidea minuta	5		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta	Paraonidae		Paraonidae		ANNE	POSE	Aricidea nolani	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Annelida	Polychaeta			Scalibregmatidae		ANNE	POSE	Scalibregma inflatum		2	5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	Whole	BM-9-3	BM-9	3	19-Aug-18	Arthropoda	Malacostraca	Amphipoda		Ampeliscaidae		ARTH	CRAM	Ampelisca eschrichtii	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminidae		ARTH	CRAM	Guerneia nordenskioldi	2		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Arthropoda	Maxillopoda	Cyclopoida				ARTH	CRCU	Cyclopoida indet.	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis rathkei		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis scorpioides		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylodes biplicatus		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Arthropoda	Malacostraca	Cumacea		Lampropidae		ARTH	CRCU	Lamprops fuscatus	2	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Ar											



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.	19	23	11
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Arthropoda	Malacostraca	Tanaidacea	Apseudoidea	Sphyrapodidae		ARTH	CRTA	Pseudosphyrapus anomalus	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Echinodermata	Echinoidea	Camarodonta	Odontophora	Strongylocentrotidae		ECHI	ECEC	Strongylocentrotus sp.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Nemertea	Anopla	Archinemertea		Cephalothricidae		MISC	NTEA	Cephalothrix sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Nemertea	Anopla	Heteronemertea		Lineidae		MISC	NTEA	Cerebratulus sp.		3	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Nemertea	Enopla					MISC	NTEA	Enopla indet.		2	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Cephalorhyncha	Priapulida			Priapulidae		MISC	PRIA	Priapulid sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	Whole	BM-9-3	BM-9	3	19-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis		1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	Whole	BM-9-3	BM-9	3	19-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis	3	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasira sp.		11	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasiridae indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata		1	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	Whole	BM-9-3	BM-9	3	19-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	Whole	BM-9-3	BM-9	3	19-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidea	Nuculidae		MOLL	MOBI	Ennucula tenuis	1		4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	Whole	BM-9-3	BM-9	3	19-Aug-18	Mollusca	Bivalvia	Pectinida	Pectinoidea	Pectinidae		MOLL	MOBI	Similipeecten greenlandicus	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	Whole	BM-9-3	BM-9	3	19-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae	Clinocardiinae	MOLL	MOBI	Ciliatocardium ciliatum		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	Whole	BM-9-3	BM-9	3	19-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardidae		MOLL	MOBI	Serripes groenlandicus			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	Whole	BM-9-3	BM-9	3	19-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma balthica		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	Whole	BM-9-3	BM-9	3	19-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	Whole	BM-9-3	BM-9	3	19-Aug-18	Mollusca	Bivalvia		Thracioidea	Periplomatidae		MOLL	MOBI	Periploma aleuticum		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Mollusca	Bivalvia					MOLL	MOBI	Bivalvia indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	Whole	BM-9-3	BM-9	3	19-Aug-18	Mollusca	Gastropoda	Cephalaspidea	Philinoidea	Cylichnidae		MOLL	MOGA	Cylichna alba	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Mollusca	Gastropoda	Cephalaspidea	Philinoidea	Cylichnidae		MOLL	MOGA	Cylichna sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1/3	BM-9-3	BM-9	3	19-Aug-18	Mollusca	Gastropoda	Cephalaspidea				MOLL	MOGA	Cephalaspidea indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Cnidaria	Hydrozoa					MISC	CNHY	Hydrozoa indet.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Monoculodes sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda				ARTH	CRAM	Amphipoda indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae	Clinocardiinae	MOLL	MOBI	Ciliatocardium ciliatum			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea			MOLL	MOBI	Nuculanoidea indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Marenzelleria sp.		23	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18							MEMO	MEMO	Nematoda indet.	5		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Annelida	Polychaeta	Eunicida		Dorvilleidae		ANNE	POER	Dorvilleidae indet.	3	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata	1	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae	Nereidinae	ANNE	POER	Nereis zonata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta	15	4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Pygospio sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Scolelepis sp.		4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Spio sp.		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae		ANNE	POSE	Ampharetidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Aphelocheata sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone careyi	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	5	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Polycirrinae	ANNE	POSE	Polycirrus sp. complex			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae		ANNE	POSE	Mediomastus sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Uristidae		ARTH	CRAM	Anonyx sarsi		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Oedicerotoidea	Oedicerotidae		ARTH	CRAM	Monoculopsis sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Ampeliscidae		ARTH	CRAM	Ampelisca eschrichtii	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Corophiidae		ARTH	CRAM	Crassikorophium bonellii	3	4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminidae		ARTH	CRAM	Guerneia nordenskioldi		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Paroediceros lynceus	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Pontoporeiidae		ARTH	CRAM	Monoporeia affinis		2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Arthropoda	Maxillopoda			Sessilia		ARTH	CRCI	Balanomorpha indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Arthropoda	Maxillopoda	Cyclopoidea				ARTH	CRCO	Cyclopoidea indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Lamproidae		ARTH	CRCU	Lamprops fuscatus	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Arthropoda	Malacostraca	Mysida		Mysidae		ARTH	CRMY	Mysis sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.	1		4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Typhlotanidae		ARTH	CRTA	Typhlotanais sp.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Nemertea	Anopla	Archinemertea		Cephalothricidae		MISC	NTEA	Cephalothrix sp.	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae</							



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis		3	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui		6	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	3	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034	Whole	BM-10-1	BM-10	1	17-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae		MOLL	MOBI	Serripes groenlandicus			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035	Whole	BM-10-2	BM-10	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda				ARTH	CRAM	Amphipoda indet.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035	Whole	BM-10-2	BM-10	2	17-Aug-18	Chordata	Pisces-Actinopterygii	Scorpaeniformes		Cottidae		MISC	PIXX	Cottidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035	Whole	BM-10-2	BM-10	2	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Marenzelleria sp.	30	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035	Whole	BM-10-2	BM-10	2	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		MEMO	MEMO	Nematoda indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035	Whole	BM-10-2	BM-10	2	17-Aug-18	Annelida	Citellata	Enchytraeida		Enchytraeidae		ANNE	ANOL	Enchytraeidae indet.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035	Whole	BM-10-2	BM-10	2	17-Aug-18	Annelida	Polychaeta	Eunicida		Dorvilleidae		ANNE	POER	Dorvilleidae indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035	Whole	BM-10-2	BM-10	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata		7	5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035	Whole	BM-10-2	BM-10	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta	5	4	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035	Whole	BM-10-2	BM-10	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035	Whole	BM-10-2	BM-10	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocidae	Phyllodocinae	ANNE	POER	Phyllodoce groenlandica		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035	Whole	BM-10-2	BM-10	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Harmothoe imbricata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035	Whole	BM-10-2	BM-10	2	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Sabellidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035	Whole	BM-10-2	BM-10	2	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Dipolydora quadrilobata		1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035	Whole	BM-10-2	BM-10	2	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Spio sp.		4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035	Whole	BM-10-2	BM-10	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035	Whole	BM-10-2	BM-10	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone careyi	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035	Whole	BM-10-2	BM-10	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Cirratulidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035	Whole	BM-10-2	BM-10	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Pectinaria granulata	5		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035	Whole	BM-10-2	BM-10	2	17-Aug-18	Annelida	Polychaeta	Capitellidae		Capitellidae		ANNE	POSE	Capitella capitata complex		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035	Whole	BM-10-2	BM-10	2	17-Aug-18	Annelida	Polychaeta	Capitellidae		Capitellidae		ANNE	POSE	Mediomastus sp.	9	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035	Whole	BM-10-2	BM-10	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Corophioidea	Corophiidae		ARTH	CRAM	Monocorophium sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035	Whole	BM-10-2	BM-10	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Uristidae		ARTH	CRAM	Onisimus barentsi group		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035	Whole	BM-10-2	BM-10	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Pontoporeiidae		ARTH	CRAM	Monoporeia affinis			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035	Whole	BM-10-2	BM-10	2	17-Aug-18	Arthropoda	Maxillopoda	Cyclopoida		Cyclopoida		ARTH	CRCO	Cyclopoida indet.	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035	Whole	BM-10-2	BM-10	2	17-Aug-18	Arthropoda	Maxillopoda	Harpacticoida		Harpacticoida		ARTH	CRCO	Harpacticoida indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035	Whole	BM-10-2	BM-10	2	17-Aug-18	Arthropoda	Malacostraca	Mysida		Mysidae		ARTH	CRMY	Mysis sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035	Whole	BM-10-2	BM-10	2	17-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035	Whole	BM-10-2	BM-10	2	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035	Whole	BM-10-2	BM-10	2	17-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036	Whole	BM-10-3	BM-10	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Amphipoda		ARTH	CRAM	Amphipoda indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036	Whole	BM-10-3	BM-10	3	17-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036	Whole	BM-10-3	BM-10	3	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Marenzelleria sp.	20		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036	Whole	BM-10-3	BM-10	3	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		MEMO	MEMO	Nematoda indet.	8		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036	Whole	BM-10-3	BM-10	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036	Whole	BM-10-3	BM-10	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036	Whole	BM-10-3	BM-10	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocidae	Eteoninae	ANNE	POER	Eteone longa complex	1	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036	Whole	BM-10-3	BM-10	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocidae	Phyllodocinae	ANNE	POER	Phyllodoce groenlandica		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036	Whole	BM-10-3	BM-10	3	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Scolecopsis sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036	Whole	BM-10-3	BM-10	3	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Spio filicornis	1	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036	Whole	BM-10-3	BM-10	3	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Spio sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036	Whole	BM-10-3	BM-10	3	17-Aug-18	Annelida	Polychaeta	Capitellidae		Capitellidae		ANNE	POSE	Mediomastus sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036	Whole	BM-10-3	BM-10	3	17-Aug-18	Annelida	Polychaeta	Protodrilidae		Protodrilidae		ANNE	POXX	Protodrilus sp.	11	14	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036	Whole	BM-10-3	BM-10	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Oedicerotidae indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036	Whole	BM-10-3	BM-10	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Pontoporeiidae		ARTH	CRAM	Monoporeia affinis		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036	Whole	BM-10-3	BM-10	3	17-Aug-18	Arthropoda	Maxillopoda	Sessilia		Sessilia		ARTH	CRCI	Balanomorpha indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036	Whole	BM-10-3	BM-10	3	17-Aug-18	Arthropoda	Maxillopoda	Cyclopoida		Cyclopoida		ARTH	CRCO	Cyclopoida indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036	Whole	BM-10-3	BM-10	3	17-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036	Whole	BM-10-3	BM-10	3	17-Aug-18	Nemertea	Anopla	Archinemertea		Cephalothricidae		MISC	NTEA	Cephalothrix sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Bryozoa	Gymnolaemata	Ctenostomatida		Alcyonidiidae		MISC	BRYO	Alcyonidium sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Cnidaria	Hydrozoa	Anthoathecata		Bougainvilliidae		MISC	CNHY	Bougainvilliidae indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	Whole	BM-12-1	BM-12	1	17-Aug-18	Cnidaria	Hydrozoa	Limnomedusae		Olindiidae		MISC	CNHY	Monobranchium parasitum	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Cnidaria	Hydrozoa			Hydrozoa indet.		MISC	CNHY	Hydrozoa indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.			11
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana sp.		2	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Syllidae		ANNE	POER	Parexogone hebes	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Syllidae		MEMO	MEMO	Nematoda indet.	22		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	Whole	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Syllidae		MEMO	MEMO	Hyperiididae indet. (planktonic)	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Eunicida		Dorvilleidae		ANNE	POER	Dorvilleidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis	7		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens		1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata	10		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponephtys cornuta	17	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	Whole	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Nephtys ciliata	1		
Golder	Baffinlands Iron Mine	2018																			



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe sp.		5	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta	34	20	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Syllidae	Anoplosyllinae	ANNE	POER	Syllides longocirratatus	5		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Galathowenia oculata	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Myriochele heeri		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	12	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Dialychone sp. 1	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Sabellidae sp. 3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Dipolydora sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) steenstrupi	28	10	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Pygospio sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Melinninae	ANNE	POSE	Melinna elisabethae		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	Whole	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Melinninae	ANNE	POSE	Melinna elisabethae	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Aphelocheata sp.	1	4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	48	10	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone pigmentata	2	1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone setosa complex	1	1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone setosa			15
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Cirratulidae indet.		2	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	Whole	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Lanassa venusta venusta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae		ANNE	POSE	Terebellidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae		ANNE	POSE	Capitella capitata complex	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Capitellidae		ANNE	POSE	Mediomastus sp.	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Coscuridae		ANNE	POSE	Coscura sp.	9		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Maldanidae	Euclymeninae	ANNE	POSE	Euclymene sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Maldanidae	Maldaninae	ANNE	POSE	Maldane sarsi			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Opheliidae	Ophelininae	ANNE	POSE	Ophelina cylindricaudata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Orbiniidae		ANNE	POSE	Scoloplos acutus	5	2	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Paraonidae		ANNE	POSE	Aricidea hartmanae	3	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Paraonidae		ANNE	POSE	Aricidea minuta	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Paraonidae		ANNE	POSE	Aricidea nolani	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Annelida	Polychaeta	Terebellida		Scalibregmatidae		ANNE	POSE	Scalibregma inflatum	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Phoxocephaloidea	Phoxocephalidae		ARTH	CRAM	Harpinia serrata	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Ampeliscoidea	Ampeliscidae		ARTH	CRAM	Byblis sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea			ARTH	CRAM	Lysianassoidea indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminidae		ARTH	CRAM	Guerneia nordenskioldi	4	7	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Monoculodes sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Oedicerotidae indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Arthropoda	Maxillopoda	Cyclopoida				ARTH	CRCO	Cyclopoida indet.	10		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Arthropoda	Maxillopoda	Harpacticoida				ARTH	CRCO	Harpacticoida indet.	5		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis rathkei	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis scorpioides		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylodes biplicatus	1	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Leucon sp.	1		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.	8	5	14
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea	Apseudoidea	Sphyrapodidae		ARTH	CRTA	Pseudosphyrapus anomalus	9	14	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Nemertea	Anopla	Archinemertea		Cephalothricidae		MISC	NTEA	Cephalothrix sp.	1		2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Nemertea	Anopla	Heteronemertea		Lineidae		MISC	NTEA	Cerebratulus sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Nemertea	Enopla					MISC	NTEA	Enopla indet.		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui	5	4	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	Whole	BM-12-1	BM-12	1	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasarioidea	Thyasiridae		MOLL	MOBI	Axinopsida sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya sp.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	Whole	BM-12-1	BM-12	1	17-Aug-18	Mollusca	Bivalvia	Nuculanida		Nuculanidae		MOLL	MOBI	Nuculana minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidea	Nuculidae		MOLL	MOBI	Ennucula tenuis			9
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	Whole	BM-12-1	BM-12	1	17-Aug-18	Mollusca	Bivalvia	Pectinida	Pectinoidea	Propeamussiidae		MOLL	MOBI	Similipecten greenlandicus	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	Whole	BM-12-1	BM-12	1	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	Whole	BM-12-1	BM-12	1	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma moesta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	1/2	BM-12-1	BM-12	1	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Bivalvia indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037	Whole	BM-12-1	BM-12	1	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Bivalvia indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	Whole	BM-12-2	BM-12	2	17-Aug-18	Cnidaria	Hydrozoa	Limnomedusae		Lepetidae		MOLL	MOGA	Lepeta caeca	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Ampeliscoidea	Ampeliscidae		ARTH	CRAM	Ampeliscidae indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2													



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Oedicerotidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda				ARTH	CRAM	Amphipoda indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Arthropoda	Malacostraca	Cumacea				ARTH	CRCU	Cumacea indet.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18							MEMO	MEMO	Egg/egg mass	22		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18							MEMO	MEMO	Hyperiidae indet. (planktonic)	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18							MEMO	MEMO	Nematoda indet.	17		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Annelida	Polychaeta	Eunicida		Dorvilleidae		ANNE	POER	Parougia caeca		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis	3	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma sp.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata	4	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponephtys cornuta	12	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe sp.		4	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta	34	17	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocidae	Eteoninae	ANNE	POER	Eteone sp.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Syllidae	Anoplosyllinae	ANNE	POER	Syllides longocirratatus	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Galathowenia oculata	3	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Owenia fusiformis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Dialychone sp. 1	3	2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Dipolydora quadrilobata			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) steenstrupi	26	8	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Pygospio sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Melinninae	ANNE	POSE	Melinna elisabethae		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	24	14	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone pigmentata	2	1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone setosa complex	3	5	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.	1	6	12
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Cirratulidae indet.	3	1	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Kirkegaardia sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Annelida	Polychaeta	Capitellidae		Capitellidae		ANNE	POSE	Mediomastus sp.	1	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Annelida	Polychaeta	Coscuridae		Coscuridae		ANNE	POSE	Cossura sp.	12	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Annelida	Polychaeta	Maldanidae		Maldanidae	Euclymeninae	ANNE	POSE	Euclymeninae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Annelida	Polychaeta	Maldanidae		Maldanidae	Euclymeninae	ANNE	POSE	Microclymene sp.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Annelida	Polychaeta	Orbiniidae		Orbiniidae		ANNE	POSE	Scoloplos acutus	1	5	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Annelida	Polychaeta	Paraonidae		Paraonidae		ANNE	POSE	Aricidea hartmanae	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Annelida	Polychaeta	Paraonidae		Paraonidae		ANNE	POSE	Aricidea minuta	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Annelida	Polychaeta	Paraonidae		Paraonidae		ANNE	POSE	Aricidea nolani		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Annelida	Polychaeta	Scalibregmatidae		Scalibregmatidae		ANNE	POSE	Scalibregma inflatum	1	1	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Opisidae		ARTH	CRAM	Opisa sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminidae		ARTH	CRAM	Guerneae nordenskioldi	5	4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Westwoodilla sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Arthropoda	Maxillopoda	Cyclopoida		Cyclopoida		ARTH	CRCO	Cyclopoida indet.	11		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Arthropoda	Maxillopoda	Harpacticoida		Harpacticoida		ARTH	CRCO	Harpacticoida indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Cumacea		ARTH	CRCU	Brachydiastylis resima		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis rathkei	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis scorpioides		8	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Eudorella truncatula	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Leucon sp.	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Arthropoda	Ostracoda	Myodocopida		Myodocopida		ARTH	CROS	Philomedes sp.	20	23	12
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Cnidaria	Hydrozoa	Limnomedusae		Limnomedusae		MISC	CNHY	Monobrachium parasitum	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Nemertea	Enopla			Enopla		MISC	NTEA	Enopla indet.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	Whole	BM-12-2	BM-12	2	17-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	Whole	BM-12-2	BM-12	2	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui		6	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasira sp.		6	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta		3	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculanoidea indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidea	Nuculidae		MOLL	MOBI	Ennucula tenuis	1	3	7
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Mollusca	Bivalvia	Pectinida	Pectinoidea	Propeamussiidae		MOLL	MOBI	Similipecten greenlandicus		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	Whole	BM-12-2	BM-12	2	17-Aug-18	Mollusca	Bivalvia	Pectinida	Pectinoidea	Propeamussiidae		MOLL	MOBI	Similipecten greenlandicus	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	Whole	BM-12-2	BM-12	2	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma moesta	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038																	



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	6/12	BM-12-2	BM-12	2	17-Aug-18	Mollusca	Gastropoda		Lottioidae	Lepetidae		MOLL	MOGA	Lepeta caeca		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Cnidaria	Hydrozoa	Anthoathecata		Bougainvilliidae		MISC	CNHY	Bougainvilliidae indet.	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Cnidaria	Hydrozoa	Limnomedusae		Olindiidae		MISC	CNHY	Monobranchium parasitum	6		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	Whole	BM-12-3	BM-12	3	17-Aug-18	Cnidaria	Hydrozoa	Limnomedusae		Olindiidae		MISC	CNHY	Monobranchium parasitum	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	Whole	BM-12-3	BM-12	3	17-Aug-18	Arthropoda	Maxillopoda	Sessilia				ARTH	CRCI	Balanomorpha indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	Whole	BM-12-3	BM-12	3	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Lampropiidae		ARTH	CRCU	Lamprops fuscatus		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Mollusca	Gastropoda	Trochida	Trochoidea	Margaritidae		MOLL	MOGA	Margarites sp.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.		1	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Tryphosidae		ARTH	CRAM	Tryphosidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Syllidae		ANNE	POER	Parexogone hebes	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18							MEMO	MEMO	Egg/egg mass	22		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18							MEMO	MEMO	Insecta indet. (terrestrial)	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18							MEMO	MEMO	Nematoda indet.	65		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta	Eunicida		Dorvilleidae		ANNE	POER	Parougia caeca	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis	8	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida				ANNE	POER	Nereimyra punctata	4		3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponephtys cornuta	8	5	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae		ANNE	POER	Nereididae indet.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta	3	2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe sp.		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta	24	16	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Harmothoe sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Syllidae	Anoplosyllinae	ANNE	POER	Syllides longocirratatus	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta	Phyllodocida		Syllidae	Eusyllinae	ANNE	POER	Eusyllinae indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Galathowenia oculata	4	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Galathowenia oculata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Owenia fusiformis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) steenstrupi	29	5	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Pygospio sp.	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae		ANNE	POSE	Ampharetidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	16	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone pigmentata	3		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone setosa complex	8	4	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.			14
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Cirratulidae indet.			7
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	Whole	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Pista maculata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Proclea sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae		ANNE	POSE	Terebellidae indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.	2		2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Capitella capitata complex			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Mediomastus sp.		4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta			Cossuridae		ANNE	POSE	Cossura sp.	11		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta			Maldanidae	Euclymeninae	ANNE	POSE	Microclymene sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta			Maldanidae		ANNE	POSE	Maldanidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta			Orbiniidae		ANNE	POSE	Scoloplos acutus	1	2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea hartmanae	1	2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea minuta	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea nolani		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	Whole	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta			Sabellidae		ANNE	POSE	Branchiomma sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Annelida	Polychaeta			Scalibregmatidae		ANNE	POSE	Scalibregma inflatum		2	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Arthropoda	Pycnogonida	Pantopoda	Nymphonoidea	Nymphonidae		ARTH	CHPY	Nymphon sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda	Amphilochoidea	Amphilochidae		ARTH	CRAM	Amphilochus sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminidae		ARTH	CRAM	Guerneia nordenskioldi		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Rostrocilodes sp.	1		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Westwoodilla sp.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Arthropoda	Maxillopoda	Cyclopoida				ARTH	CRCO	Cyclopoida indet.	6		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis lucifera		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis scorpioides	3	7	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Eudorella truncatula		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Leucon sp.		4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.	8	9	12
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea	Apseudoidea	Sphyrapodidae		ARTH	CRTA	Pseudosphyrapus anomalus	4	3	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Typhlotanaiidae		ARTH	CRTA	Typhlotanais sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Nemertea	Anopla	Archinemertea		Cephalothricidae		MISC	NTEA	Cephalothrix sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Nemertea	Enopla					MISC	NTEA				



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	Whole	BM-12-3	BM-12	3	17-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis		2	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui		13	8
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	Whole	BM-12-3	BM-12	3	17-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui	3	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasira sp.	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasiridae indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	Whole	BM-12-3	BM-12	3	17-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculanoidea indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidea	Nuculidae		MOLL	MOBI	Ennucula tenuis	2	1	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Mollusca	Bivalvia	Pectinida	Pectinoidea	Propeamussiidae		MOLL	MOBI	Similipecten greenlandicus		3	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	Whole	BM-12-3	BM-12	3	17-Aug-18	Mollusca	Bivalvia	Pectinida	Pectinoidea	Propeamussiidae		MOLL	MOBI	Similipecten greenlandicus	7	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	Whole	BM-12-3	BM-12	3	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Mollusca	Gastropoda	Cephalaspidea				MOLL	MOGA	Cephalaspidea indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Mollusca	Gastropoda		Lottioidae	Lepetidae		MOLL	MOGA	Lepeta caeca	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7/12	BM-12-3	BM-12	3	17-Aug-18	Mollusca	Gastropoda		Lottioidae	Lottiidae		MOLL	MOGA	Lottiidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	Whole	BR-1	BR-1	1	8-Aug-18	Bryozoa	Gymnolaemata	Ctenostomatida		Alcyoniidae		MISC	BRYO	Alcyonium sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	Whole	BR-1	BR-1	1	8-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardidae		MOLL	MOBI	Serripes groenlandicus		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Capitella capitata complex	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Mollusca	Gastropoda	Littorinimorpha	Capuloidea	Capulidae		MOLL	MOGA	Ariadnaria borealis		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	Whole	BR-1	BR-1	1	8-Aug-18	Mollusca	Gastropoda	Littorinimorpha	Capuloidea	Capulidae		MOLL	MOGA	Ariadnaria borealis		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18							MEMO	MEMO	Copepoda indet. (parasitic)	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	Whole	BR-1	BR-1	1	8-Aug-18							MEMO	MEMO	Copepoda indet. (parasitic)	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18							MEMO	MEMO	Egg/egg mass	16		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18							MEMO	MEMO	Nematoda indet.	39		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata	4	2	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	Whole	BR-1	BR-1	1	8-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponephtys cornuta	10		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	Whole	BR-1	BR-1	1	8-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponephtys cornuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta	4	7	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	Whole	BR-1	BR-1	1	8-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe sp.		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta	48	48	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocidae	Eteoninae	ANNE	POER	Eteone longa complex	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Harmothoe sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Annelida	Polychaeta	Phyllodocida		Sphaerodoridae		ANNE	POER	Sphaerodoropsis minuta	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Galathowenia oculata	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Myriochele heeri	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Owenia fusiformis	10	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Oweniidae indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchoe incolor	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Annelida	Polychaeta	Spionida		Apistobanchidae		ANNE	POSE	Apistobanchus sp.	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Polydora sp. complex		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) steenstrupi	4	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	Whole	BR-1	BR-1	1	8-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) steenstrupi	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Pygospio sp.	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Cirratulidae indet.		1	5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	1		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	Whole	BR-1	BR-1	1	8-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	17		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	Whole	BR-1	BR-1	1	8-Aug-18	Annelida	Polychaeta	Terebellida		Trichobanchidae	Trichobanchinae	ANNE	POSE	Terebellides sp.	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Annelida	Polychaeta	Terebellida		Capitellidae		ANNE	POSE	Mediomastus sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	Whole	BR-1	BR-1	1	8-Aug-18	Annelida	Polychaeta			Opheliidae	Ophelininae	ANNE	POSE	Ophelina acuminata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Annelida	Polychaeta			Orbiniidae		ANNE	POSE	Scoloplos armiger	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea hartmanae		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea minuta	6		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea nolani	4	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Arthropoda	Malacostraca	Amphipoda	Phoxocephaloidea	Phoxocephalidae		ARTH	CRAM	Harpinia serrata	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Arthropoda	Malacostraca	Amphipoda	Ampeliscoidea	Ampeliscoidea		ARTH	CRAM	Ampeliscoidea indet.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Arthropoda	Malacostraca	Amphipoda	Oedicerotoidea	Oedicerotidae		ARTH	CRAM	Monoculopsis sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Arthropoda	Malacostraca	Amphipoda	Pontoporeioidea	Pontoporeiidae		ARTH	CRAM	Pontoporeia femorata		1	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminidae		ARTH	CRAM	Guerneia nordenskioldi		6	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Monoculodes sp.	1	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	Whole	BR-1	BR-1	1	8-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Paroedicerus lynceus	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Rostroculodes sp.		6	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Arthropoda	Malacostraca	Amphipoda		Pontoporeiidae		ARTH	CRAM	Monoporeia affinis			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Arthropoda	Maxillopoda	Cyclopoida				ARTH	CRMO	Cyclopoida indet.	15		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Brachydiastylis resima		7	9
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	Whole	BR-1	BR-1	1	8-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis rathkei	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis scorpioides	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Eudorella truncatula		3	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Leucon sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.	12	22	13
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Akanthophoreidae		ARTH	CRTA	Akanthophoreus sp.	16	4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Pseudotanaidae		ARTH	CRTA	Pseudotana sp.	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Typhlotanidae		ARTH	CRTA	Typhlotana sp.	6	4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Echinodermata	Ophiuroidea	Ophiurida		Ophiuridae	Ophiurinae	ECHI	ECOP	Ophiura sarsii	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Nemertea	Anopla	Archinemertea		Cephalothricidae		MISC	NTEA	Cephalothrix sp.	5		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Mollusca	Bivalvia	Anomalodesmata	Pandoroidea	Lyonsiidae		MOLL	MOBI	Lyonsia arenosa	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis	1	3	6
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	Whole	BR-1	BR-1	1	8-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui		4	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasira sp.	1	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasiridae indet.		2	8
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Mollusca	Bivalvia	Myida		Myiidae		MOLL	MOBI	Mya truncata		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Mollusca	Bivalvia	Mytiloidea	Mytiloidea	Mytilidae		MOLL	MOBI	Musculus discors			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	Whole	BR-1	BR-1	1	8-Aug-18	Mollusca	Bivalvia	Mytiloidea	Mytiloidea	Mytilidae		MOLL	MOBI	Musculus discors			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	Whole	BR-1	BR-1	1	8-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Mollusca	Bivalvia	Nuculanoida	Nuculanoidea	Yoldiidae		MOLL	MOBI	Yoldiidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidea	Nuculidae		MOLL	MOBI	Ennucula tenuis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	Whole	BR-1	BR-1	1	8-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.			12
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Mollusca	Bivalvia					MOLL	MOBI	Bivalvia indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1/4	BR-1	BR-1	1	8-Aug-18	Mollusca	Gastropoda	Littorinimorpha	Rissooidea	Rissoidae		MOLL	MOGA	Boreocingula castanea	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	Whole	BR-1	BR-1	1	8-Aug-18	Mollusca	Gastropoda		Lottioidea	Lepetidae		MOLL	MOGA	Lepeta caeca	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Mollusca	Gastropoda		Lottioidea	Lottiidae		MOLL	MOGA	Testudinalia testudinalis		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Arthropoda	Malacostraca	Amphipoda	Calliopioidea	Calliopiidae		ARTH	CRAM	Calliopiidae indet.	1		3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Arthropoda	Malacostraca	Amphipoda				ARTH	CRAM	Amphipoda indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Bryozoa	Stenolaemata	Cyclostomatida				MISC	BRYO	Cyclostomatida indet.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Mollusca	Gastropoda			Cephalaspidea		MOLL	MOGA	Cephalaspidea indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Hemichordata						MISC	HEMI	Hemichordata indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	Whole	BR-4	BR-4	1	8-Aug-18	Mollusca	Gastropoda		Lottioidea	Lottiidae		MOLL	MOGA	Testudinalia testudinalis	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18							MEMO	MEMO	Desmosoma sp. (planktonic)	1	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18							MEMO	MEMO	Egg/egg mass	18		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18							MEMO	MEMO	Nematoda indet.	66		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae	Ophiodrominae	ANNE	POER	Gyptis sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata	1		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponephtys cornuta	10		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidea		ANNE	POER	Pholoe minuta		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidea		ANNE	POER	Pholoe sp.		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta	26	10	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidea	Polynoinae	ANNE	POER	Harmothoe sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	Whole	BR-4	BR-4	1	8-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidea	Polynoinae	ANNE	POER	Harmothoe sp.	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Galathowenia oculata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Galathowenia oculata	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Owenia fusiformis	34		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	5		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Annelida	Polychaeta	Sabellida		Serpulidae	Spirorbinae	ANNE	POSE	Spirorbinae indet.	8	2	5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Annelida	Polychaeta	Spionida		Apistobrachidae		ANNE	POSE	Apistobrachus sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Dipolydora quadrilobata	2	1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) sp.	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4															



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Annelida	Polychaeta			Maldanidae	Maldaninae	ANNE	POSE	Maldane sarsi	12		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	Whole	BR-4	BR-4	1	8-Aug-18	Annelida	Polychaeta			Maldanidae	Maldaninae	ANNE	POSE	Maldane sarsi	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Annelida	Polychaeta			Opheliidae	Ophelininae	ANNE	POSE	Ophelina cylindricaudata	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Annelida	Polychaeta			Opheliidae	Ophelininae	ANNE	POSE	Ophelina sp.	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea minuta	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea nolani	4	5	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Paraonidae indet.		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Annelida	Polychaeta			Scalibregmatidae		ANNE	POSE	Scalibregma inflatum		1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Arthropoda	Malacostraca	Amphipoda	Phoxocephaloidea	Phoxocephalidae		ARTH	CRAM	Harpinia serrata	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Arthropoda	Malacostraca	Amphipoda	Ampeliscoidea	Ampeliscidae		ARTH	CRAM	Byblis sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Arthropoda	Malacostraca	Amphipoda	Oedicerotoidea	Oedicerotidae		ARTH	CRAM	Arrhis sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Arthropoda	Malacostraca	Amphipoda	Pontoporeioidea	Pontoporeiidae		ARTH	CRAM	Pontoporeia femorata		1	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Arthropoda	Malacostraca	Amphipoda		Ampeliscidae		ARTH	CRAM	Haploops tubicola	6	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminidae		ARTH	CRAM	Guerneia nordenskioldi	3	5	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Monoculodes sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Arthropoda	Maxillopoda	Arthropoda		Cyclopoida		ARTH	CRCO	Cyclopoida indet.	8		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Arthropoda	Maxillopoda	Harpacticoida				ARTH	CRCO	Harpacticoida indet.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Brachydiastylis resima	4	16	7
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylodes biplicatus		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Eudorella truncatula	2	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.	24	56	70
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Akanthophoreidae		ARTH	CRTA	Akanthophoreus sp.	12	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Pseudotanaidacea		ARTH	CRTA	Pseudotanaid sp.	7		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	Whole	BR-4	BR-4	1	8-Aug-18	Echinodermata	Echinozoa	Camarodonta	Odontophora	Strongylocentrotidae		ECHI	ECEC	Strongylocentrotus droebachiensis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	Whole	BR-4	BR-4	1	8-Aug-18	Echinodermata	Holothuroidea	Molpadida				ECHI	ECHO	Molpadida indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	Whole	BR-4	BR-4	1	8-Aug-18	Echinodermata	Echinozoa	Ophiuroidea		Ophiuridae		ECHI	ECOP	Ophiura robusta		7	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Nemertea	Anopla	Archinermatea		Cephalothricidae		MISC	NTEA	Cephalothrix sp.		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	Whole	BR-4	BR-4	1	8-Aug-18	Platyhelminthes						MISC	PLTY	Platyhelminthes indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Mollusca	Bivalvia		Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	Whole	BR-4	BR-4	1	8-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui		1	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	Whole	BR-4	BR-4	1	8-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasira sp.	1	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasiridae indet.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata		1	9
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	Whole	BR-4	BR-4	1	8-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata		4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Mollusca	Bivalvia	Mytiloida	Mytiloidea	Mytilidae		MOLL	MOBI	Musculus discors			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	Whole	BR-4	BR-4	1	8-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana pernula		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	Whole	BR-4	BR-4	1	8-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae		MOLL	MOBI	Serripes groenlandicus			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	Whole	BR-4	BR-4	1	8-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma moesta		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	Whole	BR-4	BR-4	1	8-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma moesta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Mollusca	Bivalvia					MOLL	MOBI	Bivalvia indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Mollusca	Gastropoda	Littorinimorpha		Rissoidae		MOLL	MOGA	Rissoidae indet.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Mollusca	Gastropoda	Trochida	Trochoidea	Colloniidae		MOLL	MOGA	Moelleria costulata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Mollusca	Gastropoda		Lottioida	Lottiidae		MOLL	MOGA	Lottiidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041	5/6	BR-4	BR-4	1	8-Aug-18	Mollusca	Polyplacophora	Chitonida	Mopalioida	Tonicellidae		MOLL	MOPO	Tonicella marmorea		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Cnidaria	Hydrozoa	Limnomedusae		Olindiidae		MISC	CNHY	Monobrachium parasitum	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.	19	12	13
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasiridae indet.		7	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18							MEMO	MEMO	Copepoda indet. (parasitic)	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18							MEMO	MEMO	Egg/egg mass	27		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18							MEMO	MEMO	Nematoda indet.	69		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens	3	3	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata	12	13	15
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	Whole	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponephytys cornuta	19		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae	Nereidinae	ANNE	POER	Nereis zonata	1	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	Whole	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae	Nereidinae	ANNE	POER	Nereis zonata	3	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae		ANNE	POER	Nereididae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta	8	7	11
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	Whole	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta	4		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe sp.		10	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta	44	27	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	Whole	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocidae	Eteoninae	ANNE	POER	Eteone barbata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocidae	Eteoninae	ANNE	POER	Eteone longa complex	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Phyllodocidae	Eteoninae	ANNE	POER	Eteone sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Gattyana cirrhosa	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	Whole	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Harmothoe imbricata	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Harmothoe imbricata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidae	Polynoinae	ANNE	POER	Harmothoe sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Syllidae	Eusyllinae	ANNE	POER	Eusyllis sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Sabellinae		3	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	Whole	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Sabellidae indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Polydora sp. complex			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Pygospio sp.		5	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Aphelocheata sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	14	5	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	Whole	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Cirratulidae indet.			13
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	6	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	Whole	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	14		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	Whole	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Pista maculata	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	Whole	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Mediomastus sp.		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta			Cossuridae		ANNE	POSE	Cossura sp.		11	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta			Maldanidae	Maldaninae	ANNE	POSE	Maldane sarsi	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta			Orbiniidae		ANNE	POSE	Scoloplos acutus	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea catherinae		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea minuta	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Paraonidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Annelida	Polychaeta			Scalibregmatidae		ANNE	POSE	Scalibregma inflatum	1		2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Arthropoda	Malacostraca	Amphipoda	Ampeliscoidea	Ampeliscidae		ARTH	CRAM	Ampeliscidae indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	Whole	BW-1-1	BW-1	1	13-Aug-18	Arthropoda	Malacostraca	Amphipoda		Atylidae		ARTH	CRAM	Atylus carinatus	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminidae		ARTH	CRAM	Guerneia nordenskioldi	6	1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Monoculodes sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Arthropoda	Maxillopoda	Cyclopoida				ARTH	CRCO	Cyclopoida indet.	15		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	Whole	BW-1-1	BW-1	1	13-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylodes biplicatus		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Arthropoda	Malacostraca	Cumacea		Lampropiidae		ARTH	CRCU	Lamprops fuscatus	4	4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Leucon sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Arthropoda	Malacostraca	Tanaidacea	Apseudoidea	Sphyrapodidae		ARTH	CRTA	Pseudosphyrapus anomalus	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Pseudotanaididae		ARTH	CRTA	Pseudotanaid sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Arthropoda	Malacostraca	Tanaidacea				ARTH	CRTA	Tanaidacea indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Arthropoda	Insecta	Diptera		Chironomidae	Orthocladinae	ARTH	INDI	Orthocladinae indet.			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Echinodermata	Echinozoa	Camarodonta	Odontophora	Strongylocentrotidae		ECHI	ECEC	Strongylocentrotus droebachiensis		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Echinodermata	Ophiurozoa	Ophiurida		Ophiuridae	Ophiurinae	ECHI	ECOP	Ophiocent affinis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Echinodermata	Ophiurozoa	Ophiurida		Ophiuridae	Ophiurinae	ECHI	ECOP	Ophiura sarsii		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Nemertea	Enopla					MISC	NTEA	Enopla indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	Whole	BW-1-1	BW-1	1	13-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	10	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis	2	4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	Whole	BW-1-1	BW-1	1	13-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis	2	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui		10	8
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	Whole	BW-1-1	BW-1	1	13-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui	5	10	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	Whole	BW-1-1	BW-1	1	13-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Axinopsida sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasira sp.	2	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Mollusca	Bivalvia	Myiida		Myiidae		MOLL	MOBI	Myia truncata			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	Whole	BW-1-1	BW-1	1	13-Aug-18	Mollusca	Bivalvia	Myiida		Myiidae		MOLL	MOBI	Myia truncata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	Whole	BW-1-1	BW-1	1	13-Aug-18	Mollusca	Bivalvia	Mytiloidea		Mytilidae		MOLL	MOBI	Musculus discors	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	Whole	BW-1-1	BW-1	1	13-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana pernula	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana sp.		2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug												



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidea	Nuculidae		MOLL	MOBI	Ennucula tenuis	1	1	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	Whole	BW-1-1	BW-1	1	13-Aug-18	Mollusca	Bivalvia	Pectinida	Pectinoidea	Propeamussiidae		MOLL	MOBI	Similipecten greenlandicus	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	Whole	BW-1-1	BW-1	1	13-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae	Clinocardiinae	MOLL	MOBI	Ciliatocardium ciliatum		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae		MOLL	MOBI	Serripes groenlandicus			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	Whole	BW-1-1	BW-1	1	13-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae		MOLL	MOBI	Serripes groenlandicus		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.			7
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Bivalvia indet.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Mollusca	Gastropoda	Cephalaspidea				MOLL	MOGA	Cephalaspidea indet.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Mollusca	Gastropoda	Littorinimorpha	Naticoidea	Naticidae	Naticinae	MOLL	MOGA	Cryptonatica affinis	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Mollusca	Gastropoda	Littorinimorpha	Naticoidea	Naticidae		MOLL	MOGA	Naticidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Mollusca	Gastropoda	Littorinimorpha	Rissooidea	Rissoidae		MOLL	MOGA	Boreocingula castanea	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1/4	BW-1-1	BW-1	1	13-Aug-18	Mollusca	Gastropoda	Littorinimorpha		Rissoidae		MOLL	MOGA	Rissoidae indet.		1	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	Whole	BW-1-2	BW-1	2	13-Aug-18	Arthropoda	Maxillopoda	Sessilia				ARTH	CRCI	Balanomorpha indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Cnidaria	Hydrozoa	Limnomedusae		Olindiidae		MISC	CNHY	Monobrachium parasitum	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	Whole	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	Whole	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponephtys cornuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	Whole	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae		ANNE	POER	Nereididae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	Whole	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta	11		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	Whole	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	1	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	Whole	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta			Scalibregmatidae		ANNE	POSE	Scalibregma inflatum			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Mollusca	Bivalvia	Pectinoidea	Pectinoidea	Propeamussiidae		MOLL	MOBI	Propeamussiidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Tryphosidae		ARTH	CRAM	Tryphosidae indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Mollusca	Gastropoda	Littorinimorpha	Capuloidea	Capulidae		MOLL	MOGA	Ariadnaria borealis			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18							MEMO	MEMO	Egg/egg mass	23		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18							MEMO	MEMO	Nematoda indet.	93		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens		5	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata	4	8	10
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponephtys cornuta	20		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	Whole	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Nephtys buccera	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae	Nereidinae	ANNE	POER	Nereis zonata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae		ANNE	POER	Nereididae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta	7	16	16
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	Whole	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe sp.		10	8
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta	57	39	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	Whole	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidea		ANNE	POER	Gattiana cirrhosa	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	2		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Sabellidae indet.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) sp.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) steenstrupi	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Pygospio sp.	8	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Spio filicornis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.		1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	11	19	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.			12
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Cirratulidae indet.		2	5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	17		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	Whole	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	15		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Laphania boeckii			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Pista maculata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	Whole	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Pista maculata	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.	3	1	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Capitellidae				ANNE	POSE	Mediomastus sp.		1	6
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta			Cossuridae		ANNE	POSE	Cossura sp.	1	11	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	Whole	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta			Cossuridae		ANNE	POSE	Cossura sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta			Maldanidae		ANNE	POSE	Maldanidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	Whole	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta			Opheliidae	Ophelininae	ANNE	POSE	Ophelina acuminata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Orbiniidae				ANNE	POSE	Scoloplos acutus	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Orbiniidae				ANNE	POSE	Scoloplos armiger	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Orbiniidae				ANNE	POSE	Scoloplos sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Paraonidae				ANNE	POSE	Aricidea hartmanae		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Paraonidae				ANNE	POSE	Aricidea minuta	3	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta	Paraonidae				ANNE	POSE	Aricidea sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Annelida	Polychaeta			Scalibregmatidae		ANNE	POSE	Scalibregma inflatum			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Uristidae		ARTH	CRAM	Anonyx sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminidae		ARTH	CRAM	Guerneia nordenskioldi	2	8	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Arthropoda	Malacostraca	Amphipoda		Oedicerotidae		ARTH	CRAM	Paroedicerus lynceus		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Arthropoda	Maxillopoda	Sessilia				ARTH	CRCI	Balanomorpha indet.			3



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Arthropoda	Maxillopoda	Cyclopoida				ARTH	CRCO	Cyclopoida indet.	13		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Brachydiastylis resima		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis scorpioides	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Arthropoda	Malacostraca	Cumacea		Lampropiidae		ARTH	CRCU	Lamprops fuscatus	8	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Arthropoda	Malacostraca	Cumacea		Leuconidae		ARTH	CRCU	Leucon sp.	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Arthropoda	Malacostraca	Mysida		Mysidae		ARTH	CRMY	Mysis sp.	5		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.	20	31	24
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	Whole	BW-1-2	BW-1	2	13-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Arthropoda	Malacostraca	Tanaidacea		Akanthophoreidae		ARTH	CRTA	Akanthophoreus sp.	2	5	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	Whole	BW-1-2	BW-1	2	13-Aug-18	Arthropoda	Malacostraca	Tanaidacea				ARTH	CRTA	Tanaidacea indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Nemertea	Anopla	Heteronemertea		Lineidae		MISC	NTEA	Cerebratulus sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Nemertea	Anopla	Heteronemertea				MISC	NTEA	Enopla indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Cephalorhyncha	Priapulida			Priapulidae		MISC	PRIA	Priapulid sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	Whole	BW-1-2	BW-1	2	13-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	3	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis		3	6
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	Whole	BW-1-2	BW-1	2	13-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis	2	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui		10	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	Whole	BW-1-2	BW-1	2	13-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui	2	6	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.			14
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Axinopsida sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasira sp.		4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasiridae indet.			6
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya sp.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	3	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	Whole	BW-1-2	BW-1	2	13-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana sp.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculanoidea indet.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidea	Nuculidae		MOLL	MOBI	Ennucula tenuis		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	Whole	BW-1-2	BW-1	2	13-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidea	Nuculidae		MOLL	MOBI	Ennucula tenuis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae	Clinocardiinae	MOLL	MOBI	Ciliatocardium ciliatum			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	Whole	BW-1-2	BW-1	2	13-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae	Clinocardiinae	MOLL	MOBI	Ciliatocardium ciliatum		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae		MOLL	MOBI	Serripes groenlandicus			6
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	Whole	BW-1-2	BW-1	2	13-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae		MOLL	MOBI	Serripes groenlandicus		3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.			13
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Mollusca	Bivalvia	Veneroida	Thracioidea	Periplomatidae		MOLL	MOBI	Periploma aleuticum			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Mollusca	Bivalvia					MOLL	MOBI	Bivalvia indet.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Mollusca	Gastropoda	Cephalaspidea	Philinoidea	Cylichnidae		MOLL	MOGA	Cylichnidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Mollusca	Gastropoda	Neogastropoda	Buccinoidea	Buccinidae		MOLL	MOGA	Buccinidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1/4	BW-1-2	BW-1	2	13-Aug-18	Mollusca	Gastropoda	Trochida	Trochoidea	Margaritidae		MOLL	MOGA	Margarites helicinus		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	Whole	BW-1-3	BW-1	3	13-Aug-18	Cnidaria	Hydrozoa	Limnomedusae		Olindiidae		MISC	CNHY	Monobrachium parasitum		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Mollusca	Bivalvia	Pectinoidea	Pectinoidea	Propeamussiidae		MOLL	MOBI	Propeamussiidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Mollusca	Gastropoda	Littorinomorpha		Rissoidae		MOLL	MOGA	Rissoidae indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18							MEMO	MEMO	Copepoda indet. (parasitic)		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18							MEMO	MEMO	Egg/egg mass		8	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18							MEMO	MEMO	Nematoda indet.		45	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	Whole	BW-1-3	BW-1	3	13-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma fragilis	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens	4	2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata	2	4	10
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponephtys cornuta		16	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	Whole	BW-1-3	BW-1	3	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae	Nereidinae	ANNE	POER	Nereis zonata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae		ANNE	POER	Nereididae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta	10	10	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe sp.		7	6
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta	53	17	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidea	Polynoinae	ANNE	POER	Gattyana cirrhosa		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	Whole	BW-1-3	BW-1	3	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidea	Polynoinae	ANNE	POER	Gattyana cirrhosa		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidea	Polynoinae	ANNE	POER	Harmothoe sp.		1	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Pygospio sp.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala		9	10
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.		7	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Cirratulidae indet.		2	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	Whole	BW-1-3	BW-1	3	13-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata		16	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Pista maculata		4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae						



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Mediomastus sp.	1	3	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Annelida	Polychaeta			Cossuridae		ANNE	POSE	Cossura sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Annelida	Polychaeta			Maldanidae	Euclymeninae	ANNE	POSE	Euclymeninae indet.	1		1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Annelida	Polychaeta			Maldanidae	Maldaninae	ANNE	POSE	Maldane sarsi	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Annelida	Polychaeta			Orbiniidae		ANNE	POSE	Scoloplos sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Annelida	Polychaeta			Scalibregmatidae		ANNE	POSE	Scalibregma inflatum		1	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Uristidae		ARTH	CRAM	Anonyx sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Arthropoda	Malacostraca	Amphipoda		Dexaminidae		ARTH	CRAM	Guerneia nordenskioldi		5	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Arthropoda	Maxillopoda			Cyclopoida		ARTH	CRCO	Cyclopoida indet.	10		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Brachydiastylis resima			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylis rathkei		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Arthropoda	Malacostraca	Cumacea		Diastylidae		ARTH	CRCU	Diastylodes biplicatus		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Arthropoda	Malacostraca	Cumacea		Lampropidae		ARTH	CRCU	Lamprops fuscatus	5	4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Arthropoda	Malacostraca	Mysida				ARTH	CRMY	Mysidacea indet.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Arthropoda	Ostracoda	Myodocopida		Philomedidae		ARTH	CROS	Philomedes sp.	11	18	16
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	Whole	BW-1-3	BW-1	3	13-Aug-18	Echinodermata	Ophiuroidea			Ophiuridae	Ophiurinae	ECHI	ECOP	Ophiocten affinis	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	Whole	BW-1-3	BW-1	3	13-Aug-18	Echinodermata	Ophiuroidea	Ophiurida		Ophiuridae	Ophiurinae	ECHI	ECOP	Ophiura sarsii	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Nemertea	Anopla			Lineidae		MISC	NTEA	Cerebratulus sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Nemertea	Enopla					MISC	NTEA	Enopla indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	Whole	BW-1-3	BW-1	3	13-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica	11	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis		3	5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	Whole	BW-1-3	BW-1	3	13-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis	4		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui		12	5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.			8
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasiridae indet.			5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata		1	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	Whole	BW-1-3	BW-1	3	13-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta	6	4	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculanoidea indet.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Mollusca	Bivalvia	Veneroida	Cardioidea	Cardiidae		MOLL	MOBI	Serripes groenlandicus			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	Whole	BW-1-3	BW-1	3	13-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma moesta	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.			5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1/4	BW-1-3	BW-1	3	13-Aug-18	Mollusca	Bivalvia					MOLL	MOBI	Bivalvia indet.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Nemertea	Enopla					MISC	NTEA	Enopla indet.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Syllidae		ANNE	POER	Parexogone hebes		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18							MEMO	MEMO	Egg/egg mass	14		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18							MEMO	MEMO	Nematoda indet.	175		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens		3	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata	2	10	28
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponephtys cornuta	14		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae	Nereidinae	ANNE	POER	Nereis zonata	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	Whole	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae	Nereidinae	ANNE	POER	Nereis zonata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta		2	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe sp.		2	5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta	54	8	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidea	Polynoinae	ANNE	POER	Harmothoe imbricata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidea	Polynoinae	ANNE	POER	Harmothoe sp.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Syllidae	Eusyllinae	ANNE	POER	Eusyllinae indet.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta	Sabellida		Oweniidae		ANNE	POSE	Galathowenia oculata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchone incolor	7		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Dialychone sp. 1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) sp.		3	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) steenstrupi	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Pygospio sp.	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.	2		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	Whole	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Ampharete sp.	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala	12	11	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone pigmentata	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.	1	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Cirratulidae indet.			8
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	Whole	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta	Terebellida		Pectinariidae		ANNE	POSE	Cistenides granulata	6		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	Whole	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta	Terebellida		Terebellidae	Terebellinae	ANNE	POSE	Pista maculata	3		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta	Terebellida		Trichobranchidae	Trichobranchinae	ANNE	POSE	Terebellides sp.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta			Capitellidae		ANNE	POSE	Mediomastus sp.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta			Cossuridae		ANNE	POSE	Cossura sp.	26	2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta			Maldanidae	Maldaninae	ANNE	POSE	Maldane sarsi	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta			Orbiniidae		ANNE	POSE	Scoloplos sp.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta			Paraonidae							



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	Split	Client Sample ID	Site	Replicate	Date Sampled	Phylum	Class	Order	Superfamily	Family	Subfamily	taxcode	grpcode	TaxonName	A	Int	J
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea minuta	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta			Paraonidae		ANNE	POSE	Aricidea nolani	2	1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Annelida	Polychaeta			Scalibregmatidae		ANNE	POSE	Scalibregma inflatum	1	2	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Uristidae		ARTH	CRAM	Onisimus barentsi group			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Uristidae		ARTH	CRAM	Onisimus sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Arthropoda	Malacostraca	Amphipoda	Lysianassoidea	Oedicerotoidea	Oedicerotidae	ARTH	CRAM	Lysianassoidea indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Arthropoda	Malacostraca	Amphipoda	Oedicerotoidea	Oedicerotidae		ARTH	CRAM	Monoculopsis sp.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Arthropoda	Malacostraca	Amphipoda	Oedicerotoidea	Oedicerotidae		ARTH	CRAM	Guerneia nordenskioldi		6	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Arthropoda	Malacostraca	Amphipoda	Oedicerotoidea	Oedicerotidae		ARTH	CRAM	Monoculodes sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Arthropoda	Maxillopoda	Cyclopoida				ARTH	CRCO	Cyclopoida indet.		4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Arthropoda	Malacostraca	Cumacea				ARTH	CRCU	Diatylidae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Arthropoda	Malacostraca	Cumacea				ARTH	CRCU	Lamprops fuscatus		4	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Arthropoda	Malacostraca	Cumacea				ARTH	CRCU	Eudorella truncatula			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Arthropoda	Malacostraca	Cumacea				ARTH	CRCU	Leucon sp.		1	4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Arthropoda	Malacostraca	Mysida				ARTH	CRMY	Mysidacea indet.		4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Arthropoda	Ostracoda	Myodocopida				ARTH	CROS	Philomedes sp.		8	34
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Arthropoda	Malacostraca	Tanaidacea				ARTH	CRTA	Akanthophoreus sp.		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	Whole	BW-2-1	BW-2	1	13-Aug-18	Echinodermata	Echinoidea	Camarodonta	Odontophora	Strongylocentrotidae		ECHI	ECEC	Strongylocentrotus droebachiensis			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Echinodermata	Ophiuroidea	Ophiurida				ECHI	ECOP	Ophiuridae indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	Whole	BW-2-1	BW-2	1	13-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae		MOLL	MOBI	Hiatella arctica		4	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	Whole	BW-2-1	BW-2	1	13-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte borealis			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui		2	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	Whole	BW-2-1	BW-2	1	13-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte montagui			5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Mollusca	Bivalvia	Carditoida	Crassatelloidea	Astartidae		MOLL	MOBI	Astarte sp.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Axinopsida sp.			2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasira sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Mollusca	Bivalvia	Lucinida	Thyasiroidea	Thyasiridae		MOLL	MOBI	Thyasiridae indet.			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Mollusca	Bivalvia	Myida				MOLL	MOBI	Mya sp.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	Whole	BW-2-1	BW-2	1	13-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae		MOLL	MOBI	Mya truncata			3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	Whole	BW-2-1	BW-2	1	13-Aug-18	Mollusca	Bivalvia	Nuculanida	Nuculanoidea	Nuculanidae		MOLL	MOBI	Nuculana minuta			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Mollusca	Bivalvia	Nuculida	Nuculoidea	Nuculidae		MOLL	MOBI	Ennucula tenuis		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	Whole	BW-2-1	BW-2	1	13-Aug-18	Mollusca	Bivalvia	Pectinida	Pectinoidea	Propeamussiidae		MOLL	MOBI	Similipecten greenlandicus		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma calcarea			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Mollusca	Bivalvia	Veneroida	Tellinoidea	Tellinidae	Macominae	MOLL	MOBI	Macoma sp.			4
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	Whole	BW-2-1	BW-2	1	13-Aug-18	Mollusca	Bivalvia	Thracioidea	Philinoidea	Periplomatidae		MOLL	MOBI	Periploma aleuticum		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	Whole	BW-2-1	BW-2	1	13-Aug-18	Mollusca	Gastropoda	Cephalaspidea	Philinoidea	Cylichnidae		MOLL	MOGA	Cylichna alba		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4/12	BW-2-1	BW-2	1	13-Aug-18	Mollusca	Gastropoda	Littorinimorpha		Rissoidea		MOLL	MOGA	Rissoidea indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	Whole	BW-2-1	BW-2	1	13-Aug-18	Mollusca	Gastropoda	Neogastropoda	Buccinoidea	Buccinidae		MOLL	MOGA	Buccinum hydrophanum		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	Whole	BW-2-2	BW-2	2	13-Aug-18	Cnidaria	Hydrozoa	Limnomedusae		Olindiidae		MISC	CNHY	Monobrachium parasitum		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	1/3	BW-2-2	BW-2	2	13-Aug-18	Mollusca	Gastropoda	Cephalaspidea				MOLL	MOGA	Cephalaspidea indet.			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	1/3	BW-2-2	BW-2	2	13-Aug-18							MEMO	MEMO	Nematoda indet.		97	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	1/3	BW-2-2	BW-2	2	13-Aug-18	Annelida	Polychaeta	Eunicida		Lumbrineridae		ANNE	POER	Scoletoma impatiens		7	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	1/3	BW-2-2	BW-2	2	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Hesionidae		ANNE	POER	Nereimyra punctata		2	3
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	1/3	BW-2-2	BW-2	2	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Nephtyidae		ANNE	POER	Bipalponephthys cornuta		19	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	Whole	BW-2-2	BW-2	2	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Nereididae	Nereidinae	ANNE	POER	Nereis zonata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	1/3	BW-2-2	BW-2	2	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe minuta		4	5
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	1/3	BW-2-2	BW-2	2	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe sp.		7	23
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	1/3	BW-2-2	BW-2	2	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Pholoidae		ANNE	POER	Pholoe tecta		44	15
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	Whole	BW-2-2	BW-2	2	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidea	Polynoinae	ANNE	POER	Gattyana cirrhosa		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	1/3	BW-2-2	BW-2	2	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidea	Polynoinae	ANNE	POER	Harmothoe sp.		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	1/3	BW-2-2	BW-2	2	13-Aug-18	Annelida	Polychaeta	Phyllodocida		Polynoidea	Polynoinae	ANNE	POER	Harmothoe sp.		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	1/3	BW-2-2	BW-2	2	13-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae	Sabellinae	ANNE	POSE	Euchoe incolor		12	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	1/3	BW-2-2	BW-2	2	13-Aug-18	Annelida	Polychaeta	Sabellida		Sabellidae		ANNE	POSE	Dialychone sp. 1		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	1/3	BW-2-2	BW-2	2	13-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Prionospio (Prionospio) steenstrupi		1	1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	1/3	BW-2-2	BW-2	2	13-Aug-18	Annelida	Polychaeta	Spionida		Spionidae		ANNE	POSE	Pygospio sp.		2	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	1/3	BW-2-2	BW-2	2	13-Aug-18	Annelida	Polychaeta	Terebellida		Ampharetidae	Ampharetinae	ANNE	POSE	Lysippe labiata		1	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	1/3	BW-2-2	BW-2	2	13-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone bathyala		17	11
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	1/3	BW-2-2	BW-2	2	13-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone pigmentata			1
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	1/3	BW-2-2	BW-2	2	13-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Chaetozone sp.		1	2
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	1/3	BW-2-2	BW-2	2	13-Aug-18	Annelida	Polychaeta	Terebellida		Cirratulidae		ANNE	POSE	Cirratulidae indet.		1	1



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		111	2.00	222			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		2	2.00	4	1	Attached to Ostracoda	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		1	2.00	2	1	Damaged	Some species known to be invasive
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		40	2.00	80		Damaged/immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		1	1.00	1	1	Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		2	1.00	2	1	Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		1	1.00	1	1	Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		1	1.00	1		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		4	2.00	8	1		Species name updated from Exogone hebes
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		4	2.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		1	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		4	2.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		2	2.00	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		52	2.00	104	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		4	2.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		12	2.00	24	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		2	1.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		2	2.00	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		52	2.00	104	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		1	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		2	2.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		1	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		1	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		12	2.00	24	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		4	2.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		7	2.00	14	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		6	2.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		5	2.00	10	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		1	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		18	2.00	36	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		1	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		1	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		11	2.00	22			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		2	2.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		3	1.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		1	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		4	1.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		3	2.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		3	1.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		2	2.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		6	2.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		1	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		1	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		3	2.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		1	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		5	2.00	10	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		1	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		2	2.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		22	2.00	44	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		1	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		6	2.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		3	2.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		2	1.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		3	2.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		4	2.00	8			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		111	2.00	222	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		4	2.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		3	2.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		1	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		1	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		10	2.00	20	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		1	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		1	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		3	2.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001		1	2.00	2	1		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	2	2.00	2.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	3	1.00	1.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1	2.00	2.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1	2.00	2.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	2	1.00	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1	2.00	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1	2.00	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	4	1.00	1.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1	2.00	2.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1	2.00	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1	2.00	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-001	1	2.00	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	1	1.00	1.00	1	1	Attached to Mollusca	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	12	2.67	2.67	32			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	54	2.67	2.67	144			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	1	1.00	1.00	1		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	1	1.00	1.00	1		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	1	1.00	1.00	1		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	2	2.67	2.67	5		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	1	2.67	2.67	3	1	Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	5	2.67	2.67	13	1		Species name updated from Exogone hebes
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	1	2.67	2.67	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	1	2.67	2.67	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	9	2.67	2.67	24	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	8	2.67	2.67	21	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	5	2.67	2.67	13	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	40	2.67	2.67	107	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	89	2.67	2.67	237	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3	2.67	2.67	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	1	2.67	2.67	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	5	2.67	2.67	13	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3	2.67	2.67	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	1	2.67	2.67	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	2	2.67	2.67	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	4	2.67	2.67	11	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	2	2.67	2.67	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	34	2.67	2.67	91	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	4	2.67	2.67	11	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	6	2.67	2.67	16			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	7	2.67	2.67	19			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	16	1.00	1.00	16	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	2	2.67	2.67	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3	2.67	2.67	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	30	2.67	2.67	80	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	1	2.67	2.67	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	4	2.67	2.67	11	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	1	2.67	2.67	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	2	2.67	2.67	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	2	2.67	2.67	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	1	2.67	2.67	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	8	2.67	2.67	21	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	1	1.00	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	1	2.67	2.67	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	2	2.67	2.67	5			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	1	2.67	2.67	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	17	2.67	2.67	45	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3	2.67	2.67	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	2	1.00	1.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	1	2.67	2.67	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	1	2.67	2.67	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	1	2.67	2.67	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	4	2.67	2.67	11	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	1	2.67	2.67	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	4	2.67	2.67	11	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	3	2.67	2.67	8	1		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	2	2.67	5				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	2	2.67	5		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	2	2.67	5		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	20	2.67	53		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	1	2.67	3		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	1	2.67	3		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	1	2.67	3		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	2	2.67	5		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	1	1.00	1		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	10	1.00	10		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	1	2.67	3		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	8	1.00	8				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	10	2.67	27		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	9	2.67	24				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	1	2.67	3		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	2	2.67	5		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	1	1.00	1				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	1	1.00	1		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	2	2.67	5				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	1	1.00	1		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	2	1.00	2		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	1	2.67	3				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	2	2.67	5				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	10	2.67	27		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-002	1	1.00	1		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	1	1.71	2			Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	6	1.71	10		1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	4	1.71	7			Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	3	1.71	5			Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	6	1.71	10			Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	12	1.71	21				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	97	1.71	166				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	1	1.00	1			Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	2	1.00	2			Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	1	1.00	1			Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	2	1.71	3		1		Family updated from Lysianassidae to Tryphosidae
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	1	1.00	1		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	2	1.71	3		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	2	1.71	3		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	14	1.71	24		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	8	1.71	14		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	48	1.71	82		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	17	1.71	29				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	163	1.71	279		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	1	1.71	2		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	1	1.71	2		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	2	1.71	3				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	2	1.71	3		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	3	1.71	5		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	3	1.71	5		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	18	1.71	31				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7	1.71	12		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	7	1.00	7				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	2	1.71	3		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	3	1.00	3		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	57	1.71	98		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	1	1.71	2		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	1	1.71	2		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	1	1.71	2				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	5	1.71	9		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	2	1.71	3				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	6	1.71	10		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	2	1.71	3		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	2	1.71	3				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	14	1.71	24		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	2	1.71	3		1		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003		5	1.71	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003		4	1.71	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003		6	1.71	10	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003		1	1.71	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003		3	1.71	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003		11	1.71	19	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003		1	1.71	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003	1	1	1.71	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003		2	1.71	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003		1	1.71	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003		1	1.71	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003		21	1.00	21			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003		4	1.71	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003		4	1.00	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003		16	1.71	27	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003		12	1.71	21			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003		2	1.71	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003		1	1.71	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003		3	1.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003		4	1.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003		2	1.71	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003		2	1.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003		2	1.71	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003		2	1.71	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003		1	1.71	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003		2	1.71	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-003		2	1.71	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		1	2.00	2		Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		7	2.00	14		Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		1	1.00	1		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		1	1.00	1		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		1	1.00	1		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		2	1.00	2		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		1	1.00	1		Parasitic	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		14	2.00	28			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		25	2.00	50			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		2	1.00	2		Irregularly shaped	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		8	2.00	16	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		1	2.00	2	1		Species name updated from Exogone hebes
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		1	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		2	2.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		10	2.00	20	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		28	2.00	56	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		13	2.00	26	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		1	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		12	2.00	24	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		9	2.00	18			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		38	2.00	76	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		1	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		1	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		2	2.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		2	2.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		14	2.00	28	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		4	2.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		2	2.00	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		1	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		2	2.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		1	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		1	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		2	2.00	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		2	2.00	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		7	2.00	14	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		32	2.00	64	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		5	2.00	10	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		7	2.00	14			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		1	2.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		1	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		3	1.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004		7	2.00	14	1		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	7	2.00		14	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1	2.00		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	2	2.00		4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	4	2.00		8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	3	2.00		6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1	1.00		1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1	2.00		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	6	2.00		12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	12	2.00		24	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1	2.00		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	14	2.00		28	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1	2.00		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	2	2.00		4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	2	2.00		4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1	2.00		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	3	2.00		6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1	2.00		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	3	2.00		6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1	2.00		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	16	2.00		32	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	2	2.00		4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1	2.00		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	2	2.00		4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	24	2.00		48	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1	1.00		1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	2	2.00		4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	2	1.00		2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1	2.00		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	6	1.00		6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1	2.00		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	4	1.00		4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	2	2.00		4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1	1.00		1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	3	2.00		6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	7	2.00		14	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1	1.00		1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1	2.00		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	4	2.00		8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1	2.00		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-004	1	2.00		2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	1	2.40		2		Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	1	1.00		1	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	4	2.40		10		Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	1	2.40		2	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	1	2.40		2	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	1	1.00		1		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	1	1.00		1		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	1	1.00		1		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	8	2.40		19			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	57	2.40		137			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	10	2.40		24	1		Species name updated from Exogone hebes
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	1	2.40		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	1	2.40		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	2	2.40		5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	11	2.40		26	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	14	2.40		34	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	9	2.40		22	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	1	2.40		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	11	2.40		26	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	13	2.40		31			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	38	2.40		91	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	1	2.40		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	1	2.40		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	1	2.40		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	20	2.40		48	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	4	2.40		10	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	2	2.40		5			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	9	2.40		22	1		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	1	2.40	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	1	2.40	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	4	2.40	10	10	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	28	2.40	67	67	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	9	2.40	22	22	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	1	2.40	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	14	2.40	34	34			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	8	2.40	19	19			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	1	2.40	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	1	2.40	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	7	2.40	17	17	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	16	2.40	38	38	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	6	2.40	14	14	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	2	2.40	5	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	2	2.40	5	5			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	1	2.40	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	2	2.40	5	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	6	2.40	14	14	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	8	2.40	19	19	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	2	2.40	5	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	17	2.40	41	41	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	4	2.40	10	10	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	1	2.40	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	1	2.40	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	1	2.40	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	8	2.40	19	19	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	3	2.40	7	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	16	2.40	38	38	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	1	2.40	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	2	2.40	5	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	1	2.40	2	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	2	1.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	1	2.40	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	3	2.40	7	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	3	2.40	7	7			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	2	2.40	5	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	3	1.00	3	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	1	2.40	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	3	1.00	3	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	3	2.40	7	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	3	2.40	7	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	2	2.40	5	5			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	2	2.40	5	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	2	2.40	5	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	1	2.40	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	5	2.40	12	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	1	2.40	2	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-005	1	2.40	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	3.00	3	3	1	Attached to Mollusca	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	3.00	3	3		Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	3.00	3	3		Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	3.00	3	3		Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	2	3.00	6	6	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	3.00	3	3	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	3.00	3	3		Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	3.00	3	3	1	Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	3.00	3	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	7	3.00	21	21	1		Family updated from Lysianassidae to Tryphosidae
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	2	3.00	6	6			Species name updated from Exogone hebes
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	1.00	1	1		Planktonic	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	40	3.00	120	120			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	3.00	3	3	1		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	3.00	3	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	1.00	1	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	7	3.00	21	21	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	9	3.00	27	27	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	7	3.00	21	21	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	3.00	3	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	6	3.00	18	18	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	4	3.00	12	12			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	31	3.00	93	93	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	3.00	3	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	3.00	3	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	2	1.00	2	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	2	3.00	6	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	3.00	3	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	12	3.00	36	36	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	5	3.00	15	15	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	3.00	3	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	2	3.00	6	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	3.00	3	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	13	3.00	39	39	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	2	3.00	6	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	3.00	3	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	3.00	3	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	3	3.00	9	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	38	3.00	114	114	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	2	3.00	6	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	3	3.00	9	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	15	3.00	45	45			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	3.00	3	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	4	3.00	12	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	2	3.00	6	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	2	3.00	6	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	4	3.00	12	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	2	3.00	6	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	3.00	3	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	3	3.00	9	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	2	3.00	6	6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	3	3.00	9	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	2	3.00	6	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	6	3.00	18	18	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	6	3.00	18	18	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	3.00	3	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	3.00	3	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	24	3.00	72	72	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	3.00	3	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	3.00	3	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	7	3.00	21	21	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	3	3.00	9	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	2	3.00	6	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	14	3.00	42	42	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	4	3.00	12	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	3.00	3	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	49	3.00	147	147	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	3	3.00	9	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	2	3.00	6	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	3.00	3	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	3.00	3	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	2	1.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	3.00	3	3	1		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	3.00	3	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	1.00	1	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	7	1.00	7	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	4	3.00	12	12			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	3	3.00	9	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	3.00	3	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	3.00	3	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	4	3.00	12	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	2	1.00	2	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	4	1.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	3.00	3	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	3	1.00	3	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-006	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.00	1	1	1		Attached to Mollusca
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	2	1.00	2	2	1		Attached to Mollusca
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.71	2	2	1		Damaged
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	2	1.71	3	3			Damaged/immature
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.00	1	1			Immature
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.71	2	2			Immature
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.71	2	2	1		Shell eroded
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	6	1.71	10	10	1		Family updated from Lysianassidae to Tryphosidae
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	8	1.71	14	14	1		Species name updated from Exogone hebes
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.71	2	2	1		Species name updated from Trichotropis borealis
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	8	1.71	14	14			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	64	1.71	110	110			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.71	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	5	1.71	9	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	12	1.71	21	21	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	6	1.71	10	10	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.71	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	28	1.71	48	48	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	35	1.71	60	60			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	90	1.71	154	154	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.71	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.71	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.00	1	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.71	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.71	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.71	2	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	2	1.71	3	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	7	1.71	12	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	9	1.71	15	15	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	2	1.71	3	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.71	2	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.71	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.71	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	13	1.71	22	22			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.71	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.71	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	8	1.00	8	8			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.71	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	4	1.71	7	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	2	1.71	3	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.71	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	43	1.71	74	74	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	8	1.71	14	14	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	2	1.71	3	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.71	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.71	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	5	1.71	9	9	1		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	3	1.71	1.71	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.71	1.71	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.71	1.71	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	8	1.71	1.71	14	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	15	1.71	1.71	26	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.71	1.71	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	5	1.71	1.71	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	2	1.71	1.71	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	6	1.71	1.71	10	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	15	1.71	1.71	26	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	8	1.71	1.71	14	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	12	1.71	1.71	21	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	14	1.71	1.71	24	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	14	1.71	1.71	24	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	2	1.71	1.71	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.71	1.71	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.71	1.71	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	3	1.71	1.71	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	2	1.00	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	3	1.71	1.71	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	4	1.00	1.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	5	1.71	1.71	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	4	1.00	1.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	4	1.71	1.71	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.71	1.71	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	3	1.00	1.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.71	1.71	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	4	1.71	1.71	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	3	1.71	1.71	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	4	1.71	1.71	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	2	1.71	1.71	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	2	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	2	1.00	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	2	1.71	1.71	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	3	1.71	1.71	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-007	1	1.71	1.71	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	2	1.00	1.00	2	1	Adult mega (15.9 g)	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	2	4.00	4.00	8	1	Adult mega (7.8 g)	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1	4.00	4.00	4	1	Damaged/immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	9	4.00	4.00	36	1	Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	10	4.00	4.00	40	1		Family updated from Lysianassidae to Tryphosidae
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	4	4.00	4.00	16	1		Species name updated from Exogone hebes
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1	4.00	4.00	4	1	Planktonic	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	75	4.00	4.00	300	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	2	4.00	4.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	7	4.00	4.00	28	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	6	4.00	4.00	24	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	6	4.00	4.00	24	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	2	4.00	4.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	2	4.00	4.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	41	4.00	4.00	164	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	2	1.00	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	18	4.00	4.00	72	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	5	4.00	4.00	20	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	4	4.00	4.00	16	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	2	4.00	4.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008	3	4.00	4.00	12	1		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		16	4.00	64	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		3	4.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		7	4.00	28			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		2	4.00	8			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		3	1.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		6	1.00	6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		6	1.00	6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		3	4.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		4	1.00	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		10	4.00	40	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		2	4.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		3	4.00	12			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		4	4.00	16	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		2	4.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		6	4.00	24	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		2	4.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		8	4.00	32	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		16	4.00	64	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		2	4.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		19	4.00	76	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		10	4.00	40			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		7	4.00	28	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		2	4.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		54	4.00	216	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		2	4.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		4	4.00	16	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		3	1.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		5	4.00	20	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		4	1.00	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		2	4.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		3	1.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		2	4.00	8			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		4	4.00	16	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		3	1.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		2	4.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		3	1.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		2	4.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-008		7	4.00	28			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009		1	1.00	1	1	Attached to Mollusca	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009		1	4.80	5	1	Damaged/degraded	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009		2	4.80	10	1		Family updated from Lysianassidae to Tryphosidae
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009		16	4.80	77	1		Species name updated from Exogone hebes
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009		1	4.80	5		Parasitic	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009		76	4.80	365			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009		3	4.80	14	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009		6	4.80	29	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009		6	4.80	29	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009		3	4.80	14	1		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	2	4.80	10	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	1	1.00	1				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	15	4.80	72	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	1	4.80	5				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	66	4.80	317	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	2	1.00	2	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	11	4.80	53	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	1	4.80	5	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	1	4.80	5				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	2	4.80	10	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	2	4.80	10	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	3	4.80	14	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	1	4.80	5	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	7	4.80	34	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	1	4.80	5				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	6	4.80	29	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	4	4.80	19	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	4	4.80	19	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	4	4.80	19				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	3	4.80	14				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	1	4.80	5	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	18	1.00	18				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	3	1.00	3	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	1	4.80	5				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	10	4.80	48	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	1	1.00	1				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	1	4.80	5	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	13	4.80	62	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	4	4.80	19	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	1	4.80	5	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	2	4.80	10	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	8	4.80	38	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	1	4.80	5	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	3	4.80	14	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	2	1.00	2				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	12	4.80	58	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	1	4.80	5	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	2	4.80	10	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	2	4.80	10	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	84	4.80	403	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	2	1.00	2	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	7	4.80	34	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	2	4.80	10	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	1	4.80	5	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	14	4.80	67	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	2	4.80	10	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	1	4.80	5	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	1	4.80	5	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	1	4.80	5	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	1	1.00	1				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	3	1.00	3				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	4	1.00	4	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	2	4.80	10	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	8	1.00	8				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	2	4.80	10				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	1	4.80	5	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	2	4.80	10				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	1	1.00	1	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	1	4.80	5	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	2	1.00	2				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	1	4.80	5				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	1	1.00	1	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-009	1	4.80	5				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	1	1.00	1	1		Attached to Mollusca	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	1	1.00	1			Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	2	3.00	6			Damaged/immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	1	1.00	1			Immature	



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	1	1.00	1.00	1	1	Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	1	1.00	1.00	1	1	Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	1	1.00	1.00	1	1	Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	1	1.00	1.00	1	1	Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	5	1.00	1.00	5		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	22	3.00	3.00	66	1		Species name updated from Exogone hebes
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	1	3.00	3.00	3		Planktonic	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	2	3.00	3.00	6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	55	3.00	3.00	165			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	6	3.00	3.00	18	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	6	3.00	3.00	18	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	3	3.00	3.00	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	6	3.00	3.00	18	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	43	3.00	3.00	129	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	1	3.00	3.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	10	3.00	3.00	30	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	1	3.00	3.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4	3.00	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	7	3.00	3.00	21	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	11	3.00	3.00	33	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	1	1.00	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	3	3.00	3.00	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	1	3.00	3.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	2	1.00	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	2	1.00	1.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	2	3.00	3.00	6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	5	3.00	3.00	15	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	2	1.00	1.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	5	3.00	3.00	15	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	6	3.00	3.00	18	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	1	3.00	3.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	9	3.00	3.00	27	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	3	3.00	3.00	9			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4	3.00	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4	3.00	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	3	3.00	3.00	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	10	3.00	3.00	30	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	90	3.00	3.00	270	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	3	3.00	3.00	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	37	3.00	3.00	111			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	3	3.00	3.00	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	24	3.00	3.00	72	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	14	3.00	3.00	42	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	5	3.00	3.00	15	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	15	3.00	3.00	45			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	7	3.00	3.00	21	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	6	1.00	1.00	6	1		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	4	3.00		12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	2	1.00		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	2	3.00		6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	1	3.00		3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	1	3.00		3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	2	1.00		2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	1	3.00		3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	1	3.00		3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	3	1.00		3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	1	1.00		1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	1	3.00		3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	3	3.00		9			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-010	1	3.00		3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	4	4.00		16		Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	2	4.00		8	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	6	4.00		24		Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1	4.00		4	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	2	4.00		8	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	6	4.00		24	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	4	4.00		16		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1	4.00		4	1	Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	8	4.00		32	1		Species name updated from Exogone hebes
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	29	4.00		116			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1	4.00		4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1	4.00		4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	2	4.00		8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	17	4.00		68	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1	4.00		4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	25	4.00		100	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	24	4.00		96			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	79	4.00		316	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	2	4.00		8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	2	1.00		2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1	4.00		4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	6	4.00		24			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1	4.00		4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	9	4.00		36	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1	1.00		1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	2	4.00		8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1	4.00		4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	5	4.00		20	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	9	4.00		36	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	2	4.00		8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	7	4.00		28	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	7	4.00		28	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1	4.00		4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	2	4.00		8			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1	4.00		4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	13	1.00		13			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	2	4.00		8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	6	4.00		24	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	3	1.00		3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	2	4.00		8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	16	4.00		64	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	8	4.00		32	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1	4.00		4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	3	4.00		12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	9	4.00		36	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1	4.00		4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	2	4.00		8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1	4.00		4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1	4.00		4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1	4.00		4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	2	4.00		8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	2	1.00		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	13	4.00		52	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	3	4.00		12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1	1.00		1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	6	4.00		24	1		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	4	4.00	4.00	16	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	6	4.00	4.00	24	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	5	4.00	4.00	20	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	18	4.00	4.00	72			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	27	4.00	4.00	108	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	2	4.00	4.00	8			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	3	4.00	4.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	2	4.00	4.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	53	4.00	4.00	212	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	2	4.00	4.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	13	4.00	4.00	52	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	2	4.00	4.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	5	4.00	4.00	20	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	16	1.00	1.00	16			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	3	1.00	1.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	5	4.00	4.00	20	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	3	4.00	4.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	6	1.00	1.00	6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	2	4.00	4.00	8			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	3	4.00	4.00	12			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-011	4	4.00	4.00	16			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	4	1.00	1.00	4		Adult mega (16.1 g)	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	2	4.00	4.00	8		Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1	4.00	4.00	4		Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1	4.00	4.00	4	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	2	4.00	4.00	8	1		Family updated from Lysianassidae to Tryphosidae
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	5	4.00	4.00	20	1		Species name updated from Exogone hebes
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	2	4.00	4.00	8			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	107	4.00	4.00	428			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	10	4.00	4.00	40	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	5	4.00	4.00	20	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	3	4.00	4.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	2	1.00	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	18	4.00	4.00	72	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	6	4.00	4.00	24			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	101	4.00	4.00	404	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	2	4.00	4.00	8			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1	1.00	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	3	4.00	4.00	12			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1	4.00	4.00	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	8	4.00	4.00	32	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	2	4.00	4.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	2	4.00	4.00	8			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	11	1.00	1.00	11	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1	1.00	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	3	1.00	1.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1	4.00	4.00	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	3	4.00	4.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	2	1.00	1.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012	1	4.00	4.00	4	1		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		17	4.00	68	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		5	4.00	20	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		6	4.00	24	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		2	1.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		2	4.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		4	1.00	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		2	4.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		10	1.00	10			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		1	4.00	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		15	4.00	60	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		23	4.00	92	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		6	4.00	24	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		3	4.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		70	4.00	280	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		36	4.00	144	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		3	4.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		20	1.00	20			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		3	4.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		7	1.00	7			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		3	4.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		3	1.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		3	4.00	12			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		2	4.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		2	4.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		1	4.00	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-012		5	4.00	20	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		5	3.00	15		Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		1	1.00	1		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		5	3.00	15	1		Species name updated from Exogone hebes
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		1	3.00	3		Planktonic	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		12	3.00	36			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		52	3.00	156			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		6	3.00	18	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		15	3.00	45	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		2	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		39	3.00	117	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		5	3.00	15	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		16	3.00	48	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		43	3.00	129	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		4	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		15	3.00	45	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		2	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		6	3.00	18	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		7	3.00	21			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		1	3.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		5	1.00	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		4	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		3	3.00	9	1		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		9	3.00	27	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		4	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		6	3.00	18	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		1	3.00	3	1		Some species known to be invasive
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		4	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		117	3.00	351	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		3	3.00	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		5	3.00	15	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		7	3.00	21	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		50	3.00	150	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		3	3.00	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		5	1.00	5			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		8	1.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		1	3.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		4	1.00	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		4	1.00	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		3	3.00	9			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		10	3.00	30	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		2	1.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		4	1.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		5	3.00	15			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-013		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014		2	1.00	2	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014		2	2.40	5		Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014		6	2.40	14	1		Species name updated from Exogone hebes
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014		1	1.00	1	1		Species name updated from Trichotropis borealis
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014		1	2.40	2		Parasitic	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014		41	2.40	98			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014		2	2.40	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014		14	2.40	34	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014		5	2.40	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014		10	2.40	24	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014		3	2.40	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014		54	2.40	130	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014		3	1.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014		13	2.40	31	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014		2	2.40	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014		5	2.40	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014		3	2.40	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014		42	2.40	101	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014		1	2.40	2	1		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	1	2.40	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	4	2.40	2.40	10			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	3	2.40	2.40	7			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	1	2.40	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	4	1.00	1.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	3	1.00	1.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	1	2.40	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	1	2.40	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	1	1.00	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	3	2.40	2.40	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5	2.40	2.40	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	1	2.40	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	8	2.40	2.40	19	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	3	2.40	2.40	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	1	2.40	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	2	2.40	2.40	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5	2.40	2.40	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	1	2.40	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	29	2.40	2.40	70	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	4	2.40	2.40	10	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	3	2.40	2.40	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	8	2.40	2.40	19	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	8	2.40	2.40	19	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	108	2.40	2.40	259	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	9	2.40	2.40	22	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	1	1.00	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	3	2.40	2.40	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	1	2.40	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	4	2.40	2.40	10	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	1	2.40	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	39	2.40	2.40	94	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5	2.40	2.40	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	1	2.40	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	1	2.40	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	4	2.40	2.40	10	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	1	2.40	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	1	2.40	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	3	2.40	2.40	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	1	2.40	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	2	1.00	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	4	2.40	2.40	10	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	2	1.00	1.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	1	2.40	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	3	1.00	1.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	2	2.40	2.40	5			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	1	2.40	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	1	2.40	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	1	1.00	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	2	2.40	2.40	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	2	2.40	2.40	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	2	1.00	1.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	5	2.40	2.40	12			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	1	2.40	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-014	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	1	2.40	2.40	2		Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	2	2.40	2.40	5		Damaged/immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	1	2.40	2.40	2	1		Family updated from Lysianassidae to Tryphosidae
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	1	2.40	2.40	2		Planktonic	Family updated from Lysianassidae to Tryphosidae
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	31	2.40	2.40	74			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	1	2.40	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	62	2.40	2.40	149	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	2	1.00	1.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	2	1.00	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	28	2.40	2.40	67	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015	1	1.00	1.00	1			



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		184	2.40	442	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		3	2.40	7			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		4	2.40	10	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		3	2.40	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		3	2.40	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		3	2.40	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		2	1.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		9	2.40	22	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		2	1.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		46	2.40	110	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		6	2.40	14	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		2	2.40	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		2	2.40	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		4	2.40	10	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		3	1.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		6	2.40	14			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		2	2.40	5			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		3	2.40	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		6	1.00	6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		3	2.40	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		2	2.40	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		7	1.00	7			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		2	2.40	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		2	1.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		2	2.40	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		3	1.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-015		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		1	1.00	1	1	Attached to Mollusca	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		3	1.00	3	1	Attached to Mollusca	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		1	3.00	3		Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		1	3.00	3	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		1	3.00	3	1	Eroded	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		4	3.00	12			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		64	3.00	192			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		13	3.00	39	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		2	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		12	3.00	36	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		13	3.00	39	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		1	3.00	3			



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		59	3.00	177	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		4	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		16	3.00	48	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		4	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		1	3.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		5	3.00	15	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		6	3.00	18	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		3	3.00	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		2	3.00	6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		3	3.00	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		25	3.00	75	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		5	3.00	15			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		3	3.00	9			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		2	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		2	1.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		2	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		3	1.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		5	3.00	15	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		19	3.00	57	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		4	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		8	3.00	24	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		25	3.00	75	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		2	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		2	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		2	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		15	3.00	45	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		4	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		7	3.00	21	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		6	3.00	18	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		37	3.00	111	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		2	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		2	1.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		5	1.00	5			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		3	3.00	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		3	1.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		2	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		16	1.00	16			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		2	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		1	3.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		1	3.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		3	1.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		3	3.00	9			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		5	1.00	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		4	1.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		3	1.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		9	3.00	27			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		2	3.00	6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-016		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017		1	1.00	1	1	Adult mega (6.9 g)	



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	3	1.00	3	3	1	Attached to Mollusca	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1	2.00	2	2	1	Attached to Ostracoda	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1	2.00	2	2	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	2	2.00	4	4		Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	2	1.00	2	2		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1	2.00	2	2		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1	2.00	2	2	1		Family updated from Lysianassidae to Tryphosidae
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	44	2.00	88	88			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	2	2.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	4	2.00	8	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	3	2.00	6	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	44	2.00	88	88	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1	2.00	2	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	139	2.00	278	278	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	2	2.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1	2.00	2	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	4	2.00	8	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	2	2.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	2	2.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	15	2.00	30	30	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	5	2.00	10	10	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	2	2.00	4	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1	2.00	2	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	2	2.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	2	2.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	15	2.00	30	30	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	4	2.00	8	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1	1.00	1	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	8	2.00	16	16	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	4	2.00	8	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	2	2.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	10	2.00	20	20	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	29	2.00	58	58	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	3	2.00	6	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	2	2.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	21	2.00	42	42	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	6	2.00	12	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	3	2.00	6	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	13	2.00	26	26	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	11	2.00	22	22	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	4	2.00	8	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	2	2.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	3	2.00	6	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	2	2.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	5	1.00	5	5			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	10	2.00	20	20	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	18	2.00	36	36	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	11	2.00	22	22			



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1	2.00	2	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	5	2.00	10	10	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	2	2.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	5	1.00	5	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	3	2.00	6	6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	2	1.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	5	2.00	10	10			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-017	2	2.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	10	2.00	20	20	1		Some species may be invasive (e.g. Marenzelleria neglecta)
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1	2.00	2	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1	2.00	2	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	3	2.00	6	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	9	2.00	18	18	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	42	2.00	84	84	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1	1.00	1	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1	2.00	2	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	98	2.00	196	196	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	2	2.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	2	2.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	2	2.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	2	2.00	4	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1	2.00	2	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	3	2.00	6	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	19	1.00	19	19			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	2	2.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1	1.00	1	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	36	2.00	72	72	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	3	2.00	6	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	2	2.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1	2.00	2	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	2	2.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	8	2.00	16	16	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	2	2.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	4	2.00	8	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	15	2.00	30	30	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	2	1.00	2	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	2	2.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	82	2.00	164	164	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1	1.00	1	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	3	2.00	6	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	4	2.00	8	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	8	2.00	16	16	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	9	2.00	18	18	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1	1.00	1	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	6	1.00	6	6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	2	2.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1	1.00	1	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1	1.00	1	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	3	2.00	6	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	3	1.00	3	3			



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	1	2.00		2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-018	4	2.00		8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4	1.00		4		Attached to Mollusca	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	1	3.00		3	1	Attached to Mollusca	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	1	3.00		3	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	1	3.00		3	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	1	3.00		3	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	1	1.00		1		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	1	1.00		1		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	8	3.00		24		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	34	3.00		102			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	1	3.00		3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	1	1.00		1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4	3.00		12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	26	3.00		78	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	10	3.00		30	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	1	3.00		3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	1	1.00		1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	2	3.00		6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	13	3.00		39	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	1	3.00		3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	68	3.00		204	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	1	3.00		3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	1	3.00		3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	1	1.00		1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	2	3.00		6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	1	1.00		1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	10	3.00		30	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	6	3.00		18			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	3	3.00		9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	26	3.00		78	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	11	3.00		33	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	3	3.00		9			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	14	3.00		42	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	2	3.00		6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	5	3.00		15	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	20	3.00		60	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	2	3.00		6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4	3.00		12			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4	3.00		12			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	18	3.00		54	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	2	1.00		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	1	3.00		3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	3	1.00		3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	1	3.00		3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	2	3.00		6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	1	3.00		3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	33	3.00		99	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	1	3.00		3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	4	3.00		12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	2	3.00		6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	3	3.00		9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	1	3.00		3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	2	3.00		6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	2	3.00		6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	15	3.00		45	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	13	3.00		39	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	3	3.00		9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	1	3.00		3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	2	3.00		6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	1	3.00		3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	5	3.00		15	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	9	1.33		12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	7	1.33		9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	5	3.00		15	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	1	3.00		3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	6	3.00		18	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	20	3.00		60	1		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019	1	1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019		2	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019		7	3.00	21	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019		4	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019		2	1.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019		6	1.00	6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019		3	1.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019		8	3.00	24	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019		4	3.00	12			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019		2	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019		2	3.00	6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019		3	3.00	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019		4	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019		2	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019		2	1.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019		2	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019		6	3.00	18	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-019		2	3.00	6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		1	2.00	2	1	Attached to Mollusca	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		1	2.00	2		Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		1	2.00	2	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		1	1.00	1		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		1	2.00	2	1		Family updated from Lysianassidae to Tryphosidae
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		5	2.00	10			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		40	2.00	80			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		4	2.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		10	2.00	20	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		7	2.00	14	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		1	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		1	2.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		30	2.00	60	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		6	2.00	12			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		139	2.00	278	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		1	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		10	2.00	20	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		11	2.00	22	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		1	2.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		1	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		2	2.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		2	2.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		1	2.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		4	2.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		6	2.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		3	2.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		1	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		3	2.00	6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		4	2.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		10	1.00	10			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		3	1.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		5	2.00	10	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		1	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		15	2.00	30	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		3	2.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		1	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		3	2.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		1	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		1	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020		3	2.00	6	1		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	24	2.00	48	48	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	3	2.00	6	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	12	2.00	24	24	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	7	2.00	14	14	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	2	2.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	3	2.00	6	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	6	2.00	12	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	9	2.00	18	18	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	2	2.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	31	2.00	62	62	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	2	2.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	3	2.00	6	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	20	1.00	20	20	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	3	2.00	6	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	3	1.00	3	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	9	2.00	18	18	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	6	1.00	6	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	2	2.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	2	2.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	3	2.00	6	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	2	2.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	3	1.00	3	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	2	2.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	2	1.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	2	2.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	1	2.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-020	4	2.00	8	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5	1.00	5	5	1	Attached to Mollusca	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	1	2.40	2	2	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	1	2.40	2	2	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	1	2.40	2	2	1		Family updated from Lysianassidae to Tryphosidae
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	17	2.40	41	41	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	68	2.40	163	163	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	1	2.40	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	6	2.40	14	14	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	3	2.40	7	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	25	2.40	60	60	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	14	2.40	34	34	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	49	2.40	118	118	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	1	2.40	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	1	2.40	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	1	2.40	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	2	1.00	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	44	2.40	106	106	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	3	2.40	7	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	4	2.40	10	10	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	1	2.40	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	11	2.40	26	26	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	13	2.40	31	31	1		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5	2.40		12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	2	2.40		5			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	1	1.00		1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	3	2.40		7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	23	2.40		55	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5	2.40		12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5	2.40		12			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	8	1.00		8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	1	2.40		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	2	2.40		5			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5	2.40		12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	1	1.00		1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	1	2.40		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5	2.40		12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	3	2.40		7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	1	2.40		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	3	2.40		7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	2	2.40		5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	1	2.40		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	14	2.40		34	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	1	1.00		1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	1	2.40		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	1	2.40		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	1	1.00		1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	29	2.40		70	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	2	2.40		5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	1	2.40		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	1	2.40		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5	2.40		12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	9	2.40		22	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	9	2.40		22	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	1	2.40		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	2	1.00		2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	21	2.40		50	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	7	2.40		17	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	2	2.40		5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	33	2.40		79	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	1	2.40		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	3	2.40		7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	4	2.40		10	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	1	1.00		1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	4	1.00		4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	2	2.40		5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	12	1.00		12			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	7	2.40		17	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	6	1.00		6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	3	2.40		7			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	3	2.40		7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	1	2.40		2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	2	2.40		5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5	1.00		5			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	1	2.40		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	2	1.00		2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	2	1.00		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	3	2.40		7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	5	1.00		5			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	1	2.40		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	1	2.40		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	7	2.40		17			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	6	1.00		6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	3	2.40		7			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	3	2.40		7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	1	2.40		2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	2	2.40		5			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	1	2.40		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-021	1	1.00		1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	1	2.40		2	1	Attached to Mollusca	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	1	2.40		2		Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	1	2.40		2		Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	1	1.00		1		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	10	2.40		24			



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	6	2.40	2.40	14	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	5	2.40	2.40	12			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	2	2.40	2.40	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	3	1.00	1.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	1	2.40	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	1	2.40	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	1	2.40	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	1	2.40	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	1	2.40	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	2	2.40	2.40	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	2	1.00	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	7	2.40	2.40	17			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	6	2.40	2.40	14	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-022	1	2.40	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	1	3.00	3.00	3	1		Attached to Mollusca
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	3	1.00	1.00	3			Attached to Mollusca
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2	3.00	3.00	6			Damaged/immature
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	1	1.00	1.00	1			Immature
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	25	3.00	3.00	75			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	4	3.00	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	4	3.00	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	12	3.00	3.00	36	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	11	3.00	3.00	33	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	67	3.00	3.00	201	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	27	3.00	3.00	81	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	4	3.00	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	7	3.00	3.00	21	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	4	3.00	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	4	3.00	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	20	3.00	3.00	60	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	7	3.00	3.00	21			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	12	3.00	3.00	36			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	6	1.00	1.00	6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	10	3.00	3.00	30	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	1	1.00	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	4	3.00	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	3	3.00	3.00	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2	3.00	3.00	6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	4	3.00	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	8	3.00	3.00	24	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	1	3.00	3.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	4	3.00	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	17	3.00	3.00	51	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2	3.00	3.00	6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	8	3.00	3.00	24	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	7	3.00	3.00	21	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	12	3.00	3.00	36	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	3	3.00	3.00	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	3	3.00	3.00	9	1		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	4	3.00	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	24	3.00	3.00	72	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	3	3.00	3.00	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	10	3.00	3.00	30	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	8	3.00	3.00	24	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	4	1.00	1.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	6	3.00	3.00	18	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	6	1.00	1.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	15	3.00	3.00	45	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	5	3.00	3.00	15	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	9	3.00	3.00	27	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	2	1.00	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	4	1.00	1.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	5	3.00	3.00	15	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	3	3.00	3.00	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-023	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1	4.00	4.00	4	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	4	4.00	4.00	16	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	6	4.00	4.00	24	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1	4.00	4.00	4	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1	4.00	4.00	4	1	Damaged/immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1	4.00	4.00	4	1	Damaged/immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1	1.00	1.00	1	1	Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1	4.00	4.00	4	1	Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1	4.00	4.00	4	1		Family updated from Lysianassidae to Tryphosidae
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	60	4.00	4.00	240	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	5	4.00	4.00	20	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	5	4.00	4.00	20	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	7	4.00	4.00	28	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	23	4.00	4.00	92	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	10	4.00	4.00	40	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	69	4.00	4.00	276	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	3	4.00	4.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	28	4.00	4.00	112	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	2	1.00	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	4	4.00	4.00	16	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	2	4.00	4.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	2	4.00	4.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-024	3	4.00	4.00	12	1		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1	3.00	3	3	1		Family updated from Lysianassidae to Tryphosidae
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1	3.00	3	3			Family updated from Lysianassidae to Tryphosidae
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	2	3.00	6	6	1		Species name updated from Trichotropis borealis
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	3	3.00	9	9		Planktonic	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	2	3.00	6	6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	41	3.00	123	123			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	2	3.00	6	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	6	3.00	18	18	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	2	3.00	6	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	10	3.00	30	30	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	2	3.00	6	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	22	3.00	66	66	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	3	3.00	9	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1	3.00	3	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1	3.00	3	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	2	3.00	6	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	7	3.00	21	21	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	4	3.00	12	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	21	1.00	21	21			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	52	3.00	156	156	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	3	3.00	9	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1	3.00	3	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	25	3.00	75	75	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1	3.00	3	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	3	3.00	9	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	2	3.00	6	6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	4	3.00	12	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	28	3.00	84	84	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	6	3.00	18	18	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	3	3.00	9	9			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1	3.00	3	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	4	1.00	4	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	3	3.00	9	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	3	1.00	3	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	4	3.00	12	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	12	3.00	36	36	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	6	3.00	18	18			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	6	3.00	18	18	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	3	3.00	9	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	5	3.00	15	15	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	4	3.00	12	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	2	3.00	6	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	12	3.00	36	36	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1	3.00	3	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	2	3.00	6	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	5	3.00	15	15	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	2	3.00	6	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1	3.00	3	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	35	3.00	105	105	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	16	3.00	48	48	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	3	3.00	9	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	4	3.00	12	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	13	3.00	39	39	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	7	3.00	21	21	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1	3.00	3	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1	3.00	3	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	26	3.00	78	78	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	5	3.00	15	15	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	9	3.00	27	27	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	2	3.00	6	6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	2	3.00	6	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1	3.00	3	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	3	1.00	3	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1	3.00	3	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	8	1.00	8	8			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	7	3.00	21	21	1		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	6	1.00	1.00	6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	4	3.00	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	4	3.00	3.00	12			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	3	1.00	1.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	2	3.00	3.00	6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	6	3.00	3.00	18	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	2	1.00	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	2	1.00	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	4	1.00	1.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	2	1.00	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	7	3.00	3.00	21			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	2	3.00	3.00	6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1	3.00	3.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	3	3.00	3.00	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-026	1	3.00	3.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	1.00	1.00	1	1		Attached to Mollusca
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	3	3.00	3.00	9			Attached to Mollusca
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2	3.00	3.00	6	1		Attached to Mollusca
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	3.00	3.00	3			Damaged
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	3	1.00	1.00	3	1		Damaged
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	1.00	1.00	1			Immature
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	1.00	1.00	1	1		Immature
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	3.00	3.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	122	3.00	3.00	366			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	5	3.00	3.00	15	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	6	3.00	3.00	18	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	12	3.00	3.00	36	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	11	3.00	3.00	33	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	39	3.00	3.00	117	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	3.00	3.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	4	1.00	1.00	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	40	3.00	3.00	120	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	7	3.00	3.00	21	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	8	3.00	3.00	24	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	11	3.00	3.00	33	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	5	3.00	3.00	15	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	11	3.00	3.00	33			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	8	1.00	1.00	8			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	4	1.00	1.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	1.00	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	11	3.00	3.00	33	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	3	3.00	3.00	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	3.00	3.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2	1.00	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	3	3.00	3.00	9			



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	3	3.00	3.00	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	3.00	3.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	10	3.00	3.00	30	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	3.00	3.00	3	1		Some species known to be invasive
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	13	3.00	3.00	39	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	3	3.00	3.00	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	8	3.00	3.00	24	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	9	3.00	3.00	27	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	10	3.00	3.00	30	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	4	3.00	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	38	3.00	3.00	114	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	8	3.00	3.00	24	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2	1.00	1.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	3	3.00	3.00	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	7	1.00	1.00	7			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	5	3.00	3.00	15	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	8	1.00	1.00	8			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2	3.00	3.00	6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	5	3.00	3.00	15	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	4	3.00	3.00	12			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	3.00	3.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	1.00	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	1.00	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2	1.00	1.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	5	3.00	3.00	15			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	2	3.00	3.00	6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	3	3.00	3.00	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	3.00	3.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-027	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	1	1.00	1.00	1	1	Attached to Mollusca	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	5	1.00	1.00	5	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	1	1.00	1.00	1	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	1	1.00	1.00	1		Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	9	1.00	1.00	9	1	Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	14	1.00	1.00	14	1	Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	18	1.00	1.00	18	1	Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	17	1.00	1.00	17	1	Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	3	1.00	1.00	3	1	Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	20	1.00	1.00	20		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	6	1.00	1.00	6	1	Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	10	1.00	1.00	10	1		Some species may be invasive (e.g. Marenzelleria neglecta)
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	36	1.00	1.00	36			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	2	1.00	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	3	1.00	1.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	6	1.00	1.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028	1	1.00	1.00	1	1		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		23	1.00	23	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		4	1.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		3	1.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		8	1.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		15	1.00	15	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		3	1.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		3	1.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		10	1.00	10	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		6	1.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		7	1.00	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		3	1.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		5	1.00	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		4	1.00	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-028		3	1.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029		4	1.00	4			Some species may be invasive (e.g. Marenzelleria neglecta)
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029		16	1.00	16	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029		4	1.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029		11	1.00	11	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029		4	1.00	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029		11	1.00	11	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029		4	1.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029		18	1.00	18	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029		52	1.00	52	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029		5	1.00	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029		2	1.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-029		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		4	1.00	4	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		5	1.00	5	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		1	1.00	1		Eroded	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		20	1.00	20	1	Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		3	1.00	3		Parasitic	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		32	1.00	32			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		1	1.00	1	1		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		8	1.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		15	1.00	15	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		12	1.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		32	1.00	32	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		36	1.00	36	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		15	1.00	15	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		4	1.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		6	1.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		21	1.00	21	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		7	1.00	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		25	1.00	25	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		12	1.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		7	1.00	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		3	1.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		4	1.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		4	1.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		4	1.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		6	1.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		7	1.00	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		5	1.00	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		413	1.00	413	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		35	1.00	35	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		3	1.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		4	1.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		15	1.00	15	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		13	1.00	13	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		4	1.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		3	1.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		7	1.00	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		3	1.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-030		4	1.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		2	2.40	5		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		5	2.40	12	1		Family updated from Lysianassidae to Tryphosidae
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		15	2.40	36			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		6	2.40	14	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		13	2.40	31	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		11	2.40	26	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		10	2.40	24	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		43	2.40	103	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		8	2.40	19	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		11	2.40	26	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		21	1.00	21	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		18	2.40	43	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		5	2.40	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		1	2.40	2	1		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		46	2.40	110	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		2	2.40	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		2	2.40	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		17	2.40	41	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		6	2.40	14	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		10	2.40	24			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		1	2.40	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		5	1.00	5			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		4	2.40	10	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		24	2.40	58	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		3	2.40	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		2	2.40	5			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		4	2.40	10	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		6	2.40	14	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		7	2.40	17	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		7	2.40	17	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		7	2.40	17	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		2	2.40	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		2	2.40	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		7	2.40	17	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		2	2.40	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		2	2.40	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		61	2.40	146	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		8	2.40	19	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		2	2.40	5			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		4	2.40	10	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		2	2.40	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		6	1.00	6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		2	2.40	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		2	2.40	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		2	2.40	5			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		1	2.40	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		6	2.40	14	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		2	2.40	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		5	1.00	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		3	2.40	7			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		4	2.40	10			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		4	2.40	10	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		2	2.40	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-031		2	1.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032		22	1.00	22	1	Attached to Mollusca	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032		70	1.00	70		Attached to Mollusca	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032		1	2.00	2	1	Attached to Mollusca	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032		2	2.00	4		Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032		2	1.00	2	1	Damaged. Brozoan and polychaete encrusting on shell	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032		1	2.00	2	1	Damaged/immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032		1	2.00	2	1	Eroded	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032		1	1.00	1		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032		1	1.00	1	1	Immature	



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	2.00	2	2	1		Some species may be invasive (e.g. Marenzelleria neglecta)
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	2.00	2	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	35	2.00	70				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	2	2.00	4		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	1.00	1				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	13	2.00	26		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	26	2.00	52		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	13	2.00	26		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	2.00	2		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	1.00	1				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	3	2.00	6				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	19	2.00	38		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	49	2.00	98		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	3	2.00	6		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	3	2.00	6		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	2	2.00	4		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	2.00	2		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	2	1.00	2				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	15	2.00	30		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	2.00	2				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	2.00	2		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	4	2.00	8		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	7	2.00	14		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	3	2.00	6		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	35	2.00	70		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	2	2.00	4		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	4	2.00	8		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	18	2.00	36				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	5	2.00	10				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	3	2.00	6		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	34	1.00	34				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	10	1.00	10		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	2.00	2		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	1.00	1				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	2	2.00	4		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	8	2.00	16		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	2	2.00	4				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	2.00	2		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	8	2.00	16		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	1.00	1				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	6	2.00	12		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	2.00	2		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	9	2.00	18		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	2	1.00	2		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	2.00	2		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	1.00	1		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	5	2.00	10		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	2.00	2		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	4	2.00	8		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	2	2.00	4		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	2.00	2		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	3	2.00	6		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	2.00	2		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	45	2.00	90		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	2.00	2		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	1.00	1		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	2.00	2		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	2.00	2		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	2.00	2		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	4	2.00	8		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	13	1.00	13				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	5	1.00	5		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	10	2.00	20		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	3	1.00	3				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	4	2.00	8				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	5	2.00	10		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	3	2.00	6		1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	2	2.00	4				
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	2.00	2		1		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	1.00	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	2.00	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	4	2.00	2.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	1.00	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	2.00	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	2.00	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	1.00	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	2.00	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	3	2.00	2.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	1.00	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	10	2.00	2.00	20			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	1.00	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	3	2.00	2.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	1	2.00	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-032	2	2.00	2.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1	3.00	3.00	3		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1	3.00	3.00	3	1		Some species may be invasive (e.g. Marenzelleria neglecta)
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	3	3.00	3.00	9			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	29	3.00	3.00	87			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	6	3.00	3.00	18	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	10	3.00	3.00	30	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	18	3.00	3.00	54	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	2	3.00	3.00	6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	9	3.00	3.00	27	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	28	3.00	3.00	84	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	3	3.00	3.00	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1	3.00	3.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	24	3.00	3.00	72	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	3	3.00	3.00	9			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	16	3.00	3.00	48	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	4	3.00	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	6	3.00	3.00	18	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	33	3.00	3.00	99	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	4	3.00	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	5	3.00	3.00	15			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	5	3.00	3.00	15			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	4	1.00	1.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	3	1.00	1.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	4	3.00	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	7	3.00	3.00	21	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	3	3.00	3.00	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	5	3.00	3.00	15	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	6	3.00	3.00	18	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1	3.00	3.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1	1.00	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	5	3.00	3.00	15	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	3	3.00	3.00	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	7	3.00	3.00	21	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	3	3.00	3.00	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	3	3.00	3.00	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	4	3.00	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033	1	3.00	3.00	3	1		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033		53	3.00	159	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033		3	3.00	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033		4	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033		4	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033		1	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033		4	1.00	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033		3	3.00	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033		6	1.00	6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033		12	3.00	36	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033		2	3.00	6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033		4	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033		2	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033		2	1.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033		5	3.00	15	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033		3	3.00	9			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033		2	3.00	6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033		1	3.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-033		1	3.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		2	1.00	2	1	Attached to Mollusca	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		1	1.00	1	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		1	1.00	1		Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		1	1.00	1	1	Damaged/immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		2	1.00	2		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		23	1.00	23	1		Some species may be invasive (e.g. Marenzelleria neglecta)
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		5	1.00	5			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		6	1.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		3	1.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		19	1.00	19	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		3	1.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		4	1.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		3	1.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		6	1.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		7	1.00	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		3	1.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		3	1.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		3	1.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		5	1.00	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		1	1.00	1	1		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		6	1.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		10	1.00	10	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		4	1.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-034		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035		2	1.00	2		Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035		1	1.00	1	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035		31	1.00	31	1		Some species may be invasive (e.g. Marenzelleria neglecta)
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035		12	1.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035		10	1.00	10	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035		3	1.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035		4	1.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035		4	1.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035		5	1.00	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035		11	1.00	11	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035		1	1.00	1	1		Some species known to be invasive
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035		3	1.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035		3	1.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-035		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036		1	1.00	1		Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036		1	1.00	1	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036		21	1.00	21	1		Some species may be invasive (e.g. Marenzelleria neglecta)
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036		8	1.00	8			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036		4	1.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036		4	1.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036		25	1.00	25	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-036		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037		2	2.00	4	1	Attached to Mollusca	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037		1	2.00	2	1	Attached to Mollusca	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037		2	1.00	2	1	Attached to Mollusca	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037		1	2.00	2		Attached to Mollusca	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037		11	2.00	22		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037		6	2.00	12		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037		2	2.00	4	1		Species name updated from Exogone hebes
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037		22	2.00	44			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037		1	2.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037		7	2.00	14	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037		3	2.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037		11	2.00	22	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037		18	2.00	36	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-037		1	2.00	2			



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-038	1	2.00		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	3	1.71		5	1	Attached to Mollusca	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	6	1.71		10	1	Attached to Mollusca	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	1	1.00		1	1	Attached to Mollusca	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	1	1.00		1	1	Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	1	1.00		1	1	Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	2	1.71		3	1	Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	5	1.71		9	1	Intermediate irregularly shaped	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	1	1.71		2	1		Family updated from Lysianassidae to Tryphosidae
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	1	1.71		2	1		Species name updated from Exogone hebes
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	22	1.71		38			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	1	1.71		2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	65	1.71		111			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	1	1.71		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	10	1.71		17	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7	1.71		12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	13	1.71		22	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	3	1.71		5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	6	1.71		10	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	2	1.71		3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	43	1.71		74	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	2	1.71		3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	1	1.71		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	1	1.71		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	5	1.71		9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	1	1.00		1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	1	1.71		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	1	1.71		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	37	1.71		63	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	3	1.71		5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	2	1.71		3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	1	1.71		2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	18	1.71		31	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	4	1.71		7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	13	1.71		22	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	14	1.71		24			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7	1.71		12			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	1	1.00		1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	1	1.71		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	2	1.71		3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	4	1.71		7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	1	1.71		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	4	1.71		7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	11	1.71		19	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	1	1.71		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	1	1.71		2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	3	1.71		5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	2	1.71		3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	2	1.71		3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	6	1.71		10	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	1	1.71		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	11	1.71		19	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	1	1.71		2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	1	1.71		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	4	1.71		7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	29	1.71		50	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	11	1.71		19	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	1	1.71		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	1	1.71		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	1	1.71		2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	1	1.00		1	1		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	4	1.71	7	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	21	1.71	36	36	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	4	1.00	4	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	3	1.71	5	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	2	1.71	3	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	1	1.71	2	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	2	1.71	3	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	1	1.71	2	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	7	1.71	12	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	4	1.71	7	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	9	1.00	9	9			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	3	1.71	5	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	1	1.00	1	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	1	1.71	2	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	1	1.71	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	3	1.71	5	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-039	1	1.71	2	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1	1.00	1	1	1	Attached to Mollusca	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	2	1.00	2	2	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	2	4.00	8	8	1	One in tube with eggs	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1	4.00	4	4	1		Species name updatet from Trichotropis borealis
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1	1.00	1	1			Species name updatet from Trichotropis borealis
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1	4.00	4	4		Parasitic	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1	1.00	1	1		Parasitic	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	16	4.00	64	64			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	39	4.00	156	156			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	10	4.00	40	40	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	2	1.00	2	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	10	4.00	40	40	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1	1.00	1	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	11	4.00	44	44	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	2	1.00	2	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	2	4.00	8	8			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	96	4.00	384	384	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	2	4.00	8	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1	4.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	2	4.00	8	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	2	4.00	8	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1	4.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	12	4.00	48	48	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1	4.00	4	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1	4.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	3	4.00	12	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1	4.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	6	4.00	24	24	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1	1.00	1	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	4	4.00	16	16	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	6	4.00	24	24			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	2	4.00	8	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	17	1.00	17	17			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	3	1.00	3	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1	4.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1	4.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1	4.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	6	4.00	24	24	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	7	4.00	28	28	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	2	4.00	8	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	4	4.00	16	16	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1	4.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	4	4.00	16	16	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	7	4.00	28	28	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	4	4.00	16	16	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1	1.00	1	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	7	4.00	28	28	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	1	4.00	4	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040	15	4.00	60	60	1		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040		16	4.00	64	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040		4	4.00	16	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040		47	4.00	188	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040		20	4.00	80	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040		3	4.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040		10	4.00	40	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040		5	4.00	20	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040		10	4.00	40	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040		2	1.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040		5	4.00	20	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040		4	4.00	16			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040		4	4.00	16	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040		10	4.00	40			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040		2	4.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040		2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040		12	4.00	48			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040		2	4.00	8			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-040		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.20	1	1	Damaged	Species name update from Tectura testudinalis
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		4	1.20	5	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.20	1		Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.20	1	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.20	1	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.20	1	1	Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.20	1		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		2	1.00	2			Species name update from Tectura testudinalis
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		4	1.20	5		Planktonic	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		18	1.20	22			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		66	1.20	79			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.20	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.20	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		2	1.20	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		10	1.20	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.20	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		2	1.20	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		36	1.20	43	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.20	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		3	1.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.20	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		2	1.20	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		34	1.20	41	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		6	1.20	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		15	1.20	18	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		2	1.20	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		4	1.20	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		3	1.20	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.20	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.20	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.20	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		3	1.20	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		3	1.20	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		4	1.00	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		4	1.20	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		2	1.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.20	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		9	1.20	11	1		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		12	1.20	14	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		3	1.20	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		3	1.20	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		2	1.20	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		9	1.20	11	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		3	1.20	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		3	1.20	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		2	1.20	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.20	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.20	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		5	1.20	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		8	1.20	10	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		8	1.20	10	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.20	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		8	1.20	10	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		2	1.20	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		27	1.20	32	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		3	1.20	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		4	1.20	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		150	1.20	180	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		13	1.20	16	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		7	1.20	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		7	1.00	7	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		3	1.20	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.20	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		3	1.20	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		5	1.20	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		3	1.20	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		3	1.20	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		10	1.20	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		4	1.00	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.20	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		2	1.20	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.20	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.20	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		3	1.20	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.20	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.20	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		2	1.20	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.20	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-041		1	1.20	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042		1	4.00	4	1	Attached to Mollusca	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042		44	4.00	176	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042		7	4.00	28		Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042		4	4.00	16		Parasitic	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042		27	4.00	108			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042		69	4.00	276			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042		8	4.00	32	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042		40	4.00	160	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042		19	4.00	76	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042		3	4.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042		4	1.00	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042		1	4.00	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042		26	4.00	104	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042		4	1.00	4			



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	5	4.00	4.00	20	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	2	1.00	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	2	4.00	4.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	2	1.00	1.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	7	4.00	4.00	28			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	3	4.00	4.00	12			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	3	4.00	4.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	2	4.00	4.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1	4.00	4.00	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-042	4	4.00	4.00	16			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	2	1.00	1.00	2		Attached to Mollusca	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	2	4.00	4.00	8	1	Attached to Mollusca	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1	1.00	1.00	1		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1	1.00	1.00	1		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1	1.00	1.00	1		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	11	1.00	1.00	11		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	4	1.00	1.00	4		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1	1.00	1.00	1		Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1	4.00	4.00	4	1	Immature	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1	4.00	4.00	4	1		Family updated from Lysianassidae to Tryphosidae
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1	4.00	4.00	4	1		Species name updated from Trichotropis borealis
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	23	4.00	4.00	92			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	93	4.00	4.00	372			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	9	4.00	4.00	36	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	22	4.00	4.00	88	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	20	4.00	4.00	80	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1	4.00	4.00	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	39	4.00	4.00	156	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1	1.00	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	18	4.00	4.00	72			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	99	4.00	4.00	396	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	3	4.00	4.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	4	4.00	4.00	16			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	2	4.00	4.00	8			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	11	4.00	4.00	44	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	3	4.00	4.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	30	4.00	4.00	120	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	12	4.00	4.00	48			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	7	4.00	4.00	28			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	17	4.00	4.00	68	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	15	1.00	1.00	15			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	2	1.00	1.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	7	4.00	4.00	28	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	7	4.00	4.00	28	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	12	4.00	4.00	48	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1	1.00	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	3	4.00	4.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1	4.00	4.00	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	4	4.00	4.00	16	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1	4.00	4.00	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	2	4.00	4.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	10	4.00	4.00	40	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043	3	4.00	4.00	12	1		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		13	4.00	52	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		2	4.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		9	4.00	36	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		3	4.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		5	4.00	20	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		75	4.00	300	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		2	1.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		7	4.00	28	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		4	1.00	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		9	4.00	36	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		5	1.00	5			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		14	4.00	56	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		8	1.00	8			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		14	4.00	56			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		4	4.00	16	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		6	4.00	24			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		3	4.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		5	4.00	20	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		2	1.00	2			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		4	4.00	16			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		3	4.00	12			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		2	4.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		3	1.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		6	4.00	24	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		3	1.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		13	4.00	52			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		4	4.00	16			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-043		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044		2	1.00	2	1		Attached to Mollusca
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044		1	4.00	4	1		Immature
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044		1	4.00	4	1		Immature
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044		1	4.00	4			Parasitic
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044		8	4.00	32			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044		45	4.00	180			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044		7	4.00	28	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044		16	4.00	64	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044		16	4.00	64	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044		1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044		1	4.00	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044		23	4.00	92	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044		13	4.00	52			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044		70	4.00	280	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044		1	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044		4	4.00	16	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044		4	4.00	16	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044		19	4.00	76	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044		11	4.00	44			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044		3	4.00	12			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044		1	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044		16	1.00	16			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044		4	1.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044		7	4.00	28	1		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	4	4.00	4.00	16	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	2	4.00	4.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	4	4.00	4.00	16	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	5	4.00	4.00	20	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	10	4.00	4.00	40	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	2	4.00	4.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	9	4.00	4.00	36	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	2	4.00	4.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	45	4.00	4.00	180	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	2	1.00	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1	1.00	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1	4.00	4.00	4	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	2	4.00	4.00	8	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	13	1.00	1.00	13			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	8	4.00	4.00	32	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	4	1.00	1.00	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	17	4.00	4.00	68	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	8	4.00	4.00	32			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	5	4.00	4.00	20	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	5	4.00	4.00	20	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	1	1.00	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	12	4.00	4.00	48	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	3	4.00	4.00	12			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	3	4.00	4.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	2	1.00	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	5	4.00	4.00	20			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-044	2	4.00	4.00	8			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	1	3.00	3.00	3	1	Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	1	3.00	3.00	3	1		Species name updated from Exogone hebes
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	14	3.00	3.00	42			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	175	3.00	3.00	525			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	5	3.00	3.00	15	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	40	3.00	3.00	120	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	14	3.00	3.00	42	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	1	1.00	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	6	3.00	3.00	18	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	7	3.00	3.00	21			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	62	3.00	3.00	186	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	2	3.00	3.00	6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4	3.00	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	7	3.00	3.00	21	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4	3.00	3.00	12			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	3	3.00	3.00	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	3	3.00	3.00	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	1	1.00	1.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	23	3.00	3.00	69	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	2	3.00	3.00	6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	8	3.00	3.00	24			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	6	1.00	1.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	3	1.00	1.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	3	3.00	3.00	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	28	3.00	3.00	84	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4	3.00	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	2	3.00	3.00	6	1		



Raw abundance data in long format for Golder Baffinlands Iron Mine 2018.

Client	Project	Year	Type	Biologica Sample ID	L	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments	Taxonomic Note
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	3	3.00	3.00	9	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	6	3.00	3.00	18	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	1	3.00	3.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	8	3.00	3.00	24	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4	1.33	3.00	5	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	6	3.00	3.00	18	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	6	3.00	3.00	18	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4	3.00	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	57	3.00	3.00	171	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	2	1.00	3.00	2	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4	1.00	3.00	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4	1.00	3.00	4			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4	3.00	3.00	12	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	5	1.00	3.00	5			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	3	3.00	3.00	9			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	3	3.00	3.00	9			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	1	3.00	3.00	3			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	3	1.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	1	1.00	3.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	1	1.00	3.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	4	3.00	3.00	12			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	1	1.00	3.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	1	1.00	3.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-045	1	1.00	3.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	1	1.00	3.00	1	1	Attached to Mollusca	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	1	3.00	3.00	3		Damaged	
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	97	3.00	3.00	291			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	12	3.00	3.00	36	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	12	3.00	3.00	36	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	20	3.00	3.00	60	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	1	1.00	3.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	13	3.00	3.00	39	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	31	3.00	3.00	93			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	59	3.00	3.00	177	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	1	1.00	3.00	1	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	2	3.00	3.00	6			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	1	1.00	3.00	1			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	12	3.00	3.00	36	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	1	3.00	3.00	3	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	28	3.00	3.00	84	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	2	3.00	3.00	6	1		
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	8	3.00	3.00	24			
Golder	Baffinlands Iron Mine	2018	Benthic	mb18-108-046	4	3.00	3.00	12			



Benthic report of quality control and quality assurance for Golder Baffinlands Iron Mine 2018.

Biologica Sample ID	Client Sample ID	Sorting Efficiency QC: Spotcheck	No. QC resorts
mb18-108-001	BE-1-1		
mb18-108-002	BE-1-2		
mb18-108-003	BE-1-3		
mb18-108-004	BE-2-1		
mb18-108-005	BE-2-2		
mb18-108-006	BE-2-3	100.00%	
mb18-108-007	BE-3-1		
mb18-108-008	BE-3-2		
mb18-108-009	BE-3-3	99.00%	
mb18-108-010	BE-4-1		
mb18-108-011	BE-4-2		
mb18-108-012	BE-4-3		
mb18-108-013	BE-5-1		
mb18-108-014	BE-5-2		
mb18-108-015	BE-5-3		
mb18-108-016	BM-1-1		
mb18-108-017	BM-1-2	99.00%	
mb18-108-018	BM-1-3		
mb18-108-019	BM-3-1		
mb18-108-020	BM-3-2		
mb18-108-021	BM-3-3	95.15%	
mb18-108-022	BM-4-1	96.09%	
mb18-108-023	BM-4-2		
mb18-108-024	BM-4-3		
mb18-108-025	BM-6-1		
mb18-108-026	BM-6-2	97.00%	
mb18-108-027	BM-6-3	95.35%	
mb18-108-028	BM-7-1		
mb18-108-029	BM-7-2		
mb18-108-030	BM-7-3		
mb18-108-031	BM-9-1		
mb18-108-032	BM-9-2		
mb18-108-033	BM-9-3		
mb18-108-034	BM-10-1	100.00%	
mb18-108-035	BM-10-2		
mb18-108-036	BM-10-3		
mb18-108-037	BM-12-1		
mb18-108-038	BM-12-2		
mb18-108-039	BM-12-3		
mb18-108-040	BR-1-1		
mb18-108-041	BR-4-1		
mb18-108-042	BW-1-1	99.17%	
mb18-108-043	BW-1-2		
mb18-108-044	BW-1-3		
mb18-108-045	BW-2-1		
mb18-108-046	BW-2-2	95.17%	
mb18-108-047	BW-2-3		
mb18-108-048	BW-3-1		
mb18-108-049	BW-3-2		
mb18-108-050	BW-3-3		
mb18-108-051	BW-4-1		
mb18-108-052	BW-4-2		
mb18-108-053	BW-4-3	91.00%	Resorted
mb18-108-054	BW-5-1		
mb18-108-055	BW-5-2		
mb18-108-056	BW-5-3	97.48%	
mb18-108-057	SN-1-1		
mb18-108-058	SN-1-2	97.65%	
mb18-108-059	SN-1-3		
mb18-108-060	SN-2-1		
mb18-108-061	SN-2-2		
mb18-108-062	SN-2-3		
mb18-108-063	SN-3-1		
mb18-108-064	SN-3-2	97.90%	
mb18-108-065	SN-3-3	99.00%	
mb18-108-066	SN-4-1		
mb18-108-067	SN-4-2		
mb18-108-068	SN-4-3		
mb18-108-069	SN-5-1		
mb18-108-070	SN-5-2		
mb18-108-071	SN-5-3		
Average:		97.26%	1

Quality Control

Sorting efficiency: [(total count – organisms recovered in spot check and/or re-sort) / total count] x 100%

Spot Check: 25% of sample debris resorted for 21% of samples

Spotchecked volume was a minimum of 10% of all sorted debris for the project.



Description of unique taxa that are undescribed and assigned internal numbers (e.g., sp. 1, sp.2 etc.) for Golder Baffinlands Iron Mine 2018.

taxcode	grpcode	TaxonName	Morphological Description
ANNE	POSE	Dialychone sp. 1	Methyl Green staining pattern is similar to <i>Paradialychone harrisae</i> observed in California, but has ventral cleft present on collar which is lacking in California specimens.
ANNE	POSE	Dialychone sp. 2	There is a well-defined circular unstained area in the middle of the ventral collar. There is no ventral cleft present. Likely not described.
ANNE	POSE	Sabellidae sp. 2	Specimens do not have companion chaete. Eyespots present from setiger 4. Collar similar to <i>Parasabella pallida</i>
ANNE	POSE	Sabellidae sp. 3	cf <i>Chone</i> , but has only capillary setae on the thorax. There is a semicircular unstained section on the collar (Methyl Green). Does not appear to be described in literature.
ANNE	POSE	Sabellidae sp. 4	Specimens with rectangular staining pattern on the ventral collar. Thorax has long handled setae, with no white glandular ring, ventral cleft present, and a lateral and dorsal incision on collar



Marine Benthic Enumeration and Identification Methods

Client: Golder

Project: Baffinlands Iron Mine 2018

Sample Inventory

Sample arrival: September 18, 2018

Number of samples: 71

Number of jars: 87

Screen size: 500 µm

Biologica project number: 18-108

The sample inventory was checked and approved with the client. Samples were screened and transferred from formalin into 70% ethanol. These were stained with Rose Bengal to aid in sorting. Each sample was provided a unique identification number and placed in the queue for analysis.

Table 1. Summary of benthic samples processed Baffinlands Iron Mine, 2018.

Client Sample ID	Replicate	Date Sampled	Biologica Sample ID	Split	Organisms Counted
BE-1	1	17-Aug-18	mb18-108-001	1/2	464
				Whole	34
BE-1	2	17-Aug-18	mb18-108-002	3/8	397
				Whole	52
BE-1	3	17-Aug-18	mb18-108-003	7/12	490
				Whole	50
BE-2	1	17-Aug-18	mb18-108-004	1/2	358
				Whole	26
BE-2	2	17-Aug-18	mb18-108-005	5/12	366
				Whole	24
BE-2	3	17-Aug-18	mb18-108-006	1/3	359
				Whole	36
BE-3	1	17-Aug-18	mb18-108-007	7/12	465
				Whole	33
BE-3	2	17-Aug-18	mb18-108-008	1/4	351
				Whole	44
BE-3	3	17-Aug-18	mb18-108-009	5/24	358
				Whole	50
BE-4	1	17-Aug-18	mb18-108-010	4/12	417
				Whole	36
BE-4	2	17-Aug-18	mb18-108-011	1/4	483
				Whole	50
BE-4	3	17-Aug-18	mb18-108-012	1/4	400
				Whole	77

Client Sample ID	Replicate	Date Sampled	Biologica Sample ID	Split	Organisms Counted
BE-5	1	17-Aug-18	mb18-108-013	1/3	428
				Whole	40
BE-5	2	17-Aug-18	mb18-108-014	5/12	463
				Whole	32
BE-5	3	17-Aug-18	mb18-108-015	5/12	406
				Whole	39
BM-1	1	18-Aug-18	mb18-108-016	1/3	362
				Whole	57
BM-1	2	18-Aug-18	mb18-108-017	1/2	460
				Whole	37
BM-1	3	18-Aug-18	mb18-108-018	1/2	382
				Whole	37
BM-3	1	18-Aug-18	mb18-108-019	4/12	464
				Whole	35
BM-3	2	18-Aug-18	mb18-108-020	1/2	431
				Whole	55
BM-3	3	18-Aug-18	mb18-108-021	5/12	429
				Whole	68
BM-4	1	18-Aug-18	mb18-108-022	5/12	454
				Whole	46
BM-4	2	18-Aug-18	mb18-108-023	2/6	412
				Whole	32
BM-4	3	18-Aug-18	mb18-108-024	1/4	433
				Whole	50
BM-6	1	18-Aug-18	mb18-108-025	1/2	358
				Whole	21
BM-6	2	18-Aug-18	mb18-108-026	1/3	427
				Whole	67
BM-6	3	18-Aug-18	mb18-108-027	2/6	370
				Whole	50
BM-7	1	18-Aug-18	mb18-108-028	Whole	254
BM-7	2	18-Aug-18	mb18-108-029	Whole	140
BM-7	3	18-Aug-18	mb18-108-030	Whole	789
BM-9	1	19-Aug-18	mb18-108-031	5/12	412
				Whole	46
BM-9	2	19-Aug-18	mb18-108-032	1/2	400
				Whole	177
BM-9	3	19-Aug-18	mb18-108-033	1/3	353
				Whole	30
BM-10	1	17-Aug-18	mb18-108-034	Whole	144
BM-10	2	17-Aug-18	mb18-108-035	Whole	111
BM-10	3	17-Aug-18	mb18-108-036	Whole	69
BM-12	1	17-Aug-18	mb18-108-037	1/2	451
				Whole	15

Client Sample ID	Replicate	Date Sampled	Biologica Sample ID	Split	Organisms Counted
BM-12	2	17-Aug-18	mb18-108-038	6/12	442
				Whole	8
BM-12	3	17-Aug-18	mb18-108-039	7/12	388
				Whole	23
BR-1	1	8-Aug-18	mb18-108-040	1/4	400
				Whole	41
BR-4	1	8-Aug-18	mb18-108-041	5/6	478
				Whole	33
BW-1	1	13-Aug-18	mb18-108-042	1/4	453
				Whole	78
BW-1	2	13-Aug-18	mb18-108-043	1/4	575
				Whole	72
BW-1	3	13-Aug-18	mb18-108-044	1/4	361
				Whole	48
BW-2	1	13-Aug-18	mb18-108-045	4/12	374
				Whole	34
BW-2	2	13-Aug-18	mb18-108-046	1/3	365
				Whole	39
BW-2	3	13-Aug-18	mb18-108-047	1/2	603
				Whole	52
BW-3	1	14-Aug-18	mb18-108-048	1/2	497
				Whole	43
BW-3	2	14-Aug-18	mb18-108-049	5/12	408
				Whole	44
BW-3	3	14-Aug-18	mb18-108-050	1/2	500
				Whole	28
BW-4	1	18-Aug-18	mb18-108-051	1/2	386
				Whole	42
BW-4	2	18-Aug-18	mb18-108-052	Whole	382
BW-4	3	18-Aug-18	mb18-108-053	5/12	367
				Whole	39
BW-5	1	18-Aug-18	mb18-108-054	Whole	488
BW-5	2	18-Aug-18	mb18-108-055	Whole	390
BW-5	3	18-Aug-18	mb18-108-056	Whole	174
SN-1	1	19-Aug-18	mb18-108-057	3/4	421
				Whole	13
SN-1	2	19-Aug-18	mb18-108-058	Whole	332
SN-1	3	19-Aug-18	mb18-108-059	3/4	400
				Whole	26
SN-2	1	19-Aug-18	mb18-108-060	3/4	405
				Whole	8
SN-2	2	19-Aug-18	mb18-108-061	2/3	409
				Whole	6

Client Sample ID	Replicate	Date Sampled	Biologica Sample ID	Split	Organisms Counted
SN-2	3	19-Aug-18	mb18-108-062	5/6	378
				Whole	25
SN-3	1	19-Aug-18	mb18-108-063	Whole	405
SN-3	2	19-Aug-18	mb18-108-064	Whole	356
SN-3	3	19-Aug-18	mb18-108-065	Whole	417
SN-4	1	19-Aug-18	mb18-108-066	Whole	280
SN-4	2	19-Aug-18	mb18-108-067	Whole	253
SN-4	3	19-Aug-18	mb18-108-068	Whole	243
SN-5	1	19-Aug-18	mb18-108-069	Whole	195
SN-5	2	19-Aug-18	mb18-108-070	Whole	293
SN-5	3	19-Aug-18	mb18-108-071	Whole	410

Sample Processing

Sorting and Subsampling:

All samples were sorted using dissecting microscopes at 10-40x magnification by trained personnel. Microscopic sorting is the only way to ensure >90% of organisms are removed from the debris, which is required by EEM (Environment Canada; Environmental Effects Monitoring) guidelines for marine benthic analyses. This level of effort appears to be greater than previous studies (SEM Ltd., 2016), and the large observed increase in abundance is expected from 2016 data. The level of sorting effort implemented here represents the same level of effort implemented in 2017 by Biologica.

Due to the large volumes and high abundances in the samples, Biologica personnel developed a subsampling strategy that would maximize the detection of large and rare individuals while accurately enumerated smaller organisms. The samples were first sorted whole, with all large organisms (>1.0 cm) removed from the sample. The abundances of these large organisms should be comparable to historical estimates (SEM Ltd., 2016) as are the organisms visible to the naked eye without a microscope. Biologica subsampled the remaining debris to ensure all smaller individuals were examined and identified. This smaller fraction was subsampled to a minimum count of 400 individuals as the budget allowed. Samples with lower abundances were sorted whole.

Subsampling was done with a Caton tray (Caton, 1991). After the whole sort for large/rare taxa, the remaining sample was spread evenly over a Caton grid, and sequential random quadrats were selected and sorted until the minimum target count of 400 organisms was reached or the sample was sorted in its entirety. Some samples (17 of 71) were not subsampled to a target 400 count due to overall low abundances and high debris volumes.

In addition, all large debris in the sample was checked microscopically, including rocks and other large debris. To minimize potential sorter bias, samples were distributed among technicians such that no person sorted all the replicates of a given sample.

Sorting QA/QC:

To ensure sorting efficiency was >95%, whole and/or partial sub-samples were re-sorted. Sorting efficiency was calculated using the following equation (where total count = final total number of organisms in sample):

$$\text{Sorting efficiency} = \frac{[\text{total count} - (\text{organisms recovered in spot check and/or re-sort})]}{\text{total count}} \times 100\%$$

Sorting efficiency QA/QC was performed on 21% of samples. A minimum of 25% of the debris was re-sorted for the selected samples. All samples checked must meet or exceed 95% sorting efficiency. Any samples falling below 95% sorting efficiency were re-sorted in their entirety, and additional checks were undertaken as necessary. Refer to Table 2 for sorting efficiency results.

Table 2. Summary of sorting QA/QC results for Baffinlands Iron Mine 2018.

Client Sample ID	Biologica Sample ID	Sorting Efficiency QC Spotchecks
BE-3-3	mb18-108-009	99.00
BM-1-2	mb18-108-017	99.00
BM-3-3	mb18-108-021	95.15
BM-4-1	mb18-108-022	96.09
BM-6-2	mb18-108-026	97.00
BM-6-3	mb18-108-027	95.35
BM-10-1	mb18-108-034	100.00
BW-1-1	mb18-108-042	99.17
BW-2-2	mb18-108-046	95.17
BW-5-3	mb18-108-056	97.48
SN-1-2	mb18-108-058	97.65
SN-3-2	mb18-108-064	97.90
SN-3-3	mb18-108-065	99.00
Average:		97.71%

Identification and Invasive species detection:

All organisms were identified using a combination of dissecting (10–40x) and compound microscopes (100–1000x) and standard taxonomic keys (see methodological and taxonomic references) to the lowest practicable level (species whenever possible). All specimens were archived in air-tight glass vials with glycerin and 70% ethanol for long-term storage. Taxonomic data were recorded in Biologica's custom database.

During the identification process, taxonomists recorded if the identified taxa were beyond their recorded range and/or potentially introduced (originating from another location) or invasive (both introduced and appearing to proliferate with possible detrimental effects to the ecosystem and/or industry). Within the constraints of available literature and historical data, no taxa observed were identified as invasive taxa. However, both *Monocorophium* sp. (amphipod) and *Marenzelleria* sp. (polychaete) were observed. Both of these organisms occurred in relatively low densities, and the condition of the specimens and/or degree of maturity limited the ability to identify these organisms to species.

Data Management and Analysis

All data were recorded in Biologica's custom database. Organism densities were calculated by dividing the total organism abundance (extrapolated if the sample was split) using a square area of a Petite Ponar grab (0.0225 m²), multiplied by the number of composite grabs.

Results were provided to the Golder project manager in Excel spreadsheets via email.

Selected Methodological and Taxonomic References

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ANNEXE F

**Shellfish Tissue Chemical Analysis
and Weight and Length Data**



GOLDER ASSOCIATES LTD.
ATTN: John Sherrin
3795 Carey Road, Second Floor
Victoria BC V8Z 6T8

Date Received: 31-AUG-18
Report Date: 23-OCT-18 13:07 (MT)
Version: FINAL

Client Phone: 250-881-7372

Certificate of Analysis

Lab Work Order #: L2156762
Project P.O. #: NOT SUBMITTED
Job Reference: 1663724/14000/3
C of C Numbers: 15-xxxxxx
Legal Site Desc:

Amber Springer, B.Sc
Account Manager

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ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L2156762-1	L2156762-2	L2156762-3	L2156762-4	L2156762-5
		Description	Clams	Clams	Clams	Clams	Clams
		Sampled Date	17-AUG-18	17-AUG-18	19-AUG-18	19-AUG-18	11-AUG-18
		Sampled Time	13:45	15:20	14:56	12:45	12:00
		Client ID	BE-4	BE-5	SN-1	SN-3	SE-1
Grouping	Analyte						
TISSUE							
Physical Tests	% Moisture (%)	81.4	81.2	78.0	85.4	84.1	
Metals	Aluminum (Al)-Total (mg/kg wwt)	647	596	652	454	166	
	Antimony (Sb)-Total (mg/kg wwt)	0.0073	0.0093	0.0083	0.0059	0.0039	
	Arsenic (As)-Total (mg/kg wwt)	2.56	2.53	3.73	1.90	1.99	
	Barium (Ba)-Total (mg/kg wwt)	4.54	7.33	20.5	8.41	14.2	
	Beryllium (Be)-Total (mg/kg wwt)	0.0379	0.0392	0.0404	0.0234	0.0120	
	Bismuth (Bi)-Total (mg/kg wwt)	0.0076	0.0092	0.0082	0.0051	0.0035	
	Boron (B)-Total (mg/kg wwt)	7.17	7.35	7.89	5.99	3.69	
	Cadmium (Cd)-Total (mg/kg wwt)	0.429	0.571	0.538	0.630	2.49	
	Calcium (Ca)-Total (mg/kg wwt)	4860	11800	7630	6740	2010	
	Cesium (Cs)-Total (mg/kg wwt)	0.118	0.108	0.121	0.0721	0.0270	
	Chromium (Cr)-Total (mg/kg wwt)	1.84	1.69	2.27	1.35	0.606	
	Cobalt (Co)-Total (mg/kg wwt)	0.796	0.993	1.30	0.519	0.281	
	Copper (Cu)-Total (mg/kg wwt)	1.88	2.10	3.29	2.43	2.23	
	Iron (Fe)-Total (mg/kg wwt)	1370	1200	2100	880	752	
	Lead (Pb)-Total (mg/kg wwt)	0.796	1.84	0.937	0.593	0.251	
	Lithium (Li)-Total (mg/kg wwt)	2.69	2.56	3.25	2.22	0.71	
	Magnesium (Mg)-Total (mg/kg wwt)	2560	5500	3690	2250	1260	
	Manganese (Mn)-Total (mg/kg wwt)	68.5	94.0	175	49.8	18.1	
	Mercury (Hg)-Total (mg/kg wwt)	0.0204	0.0207	0.0229	0.0144	0.0236	
	Molybdenum (Mo)-Total (mg/kg wwt)	0.222	0.307	0.441	0.155	0.143	
	Nickel (Ni)-Total (mg/kg wwt)	1.54	1.61	2.24	1.46	0.957	
	Phosphorus (P)-Total (mg/kg wwt)	1000	1280	1450	1140	1120	
	Potassium (K)-Total (mg/kg wwt)	1380	1600	1970	1500	1300	
	Rubidium (Rb)-Total (mg/kg wwt)	2.32	2.24	2.58	1.61	0.945	
	Selenium (Se)-Total (mg/kg wwt)	1.16	1.23	1.22	1.11	1.26	
	Sodium (Na)-Total (mg/kg wwt)	3540	3720	6410	4830	5230	
	Strontium (Sr)-Total (mg/kg wwt)	20.9	46.2	19.0	35.0	11.9	
	Tellurium (Te)-Total (mg/kg wwt)	0.0043	0.0043	<0.0040	<0.0040	<0.0040	
	Thallium (Tl)-Total (mg/kg wwt)	0.0148	0.0150	0.0163	0.00864	0.00467	
	Tin (Sn)-Total (mg/kg wwt)	0.046	0.033	0.037	0.032	<0.020	
	Uranium (U)-Total (mg/kg wwt)	0.119	0.142	0.130	0.0875	0.0953	
	Vanadium (V)-Total (mg/kg wwt)	3.01	3.04	3.48	2.17	0.835	
	Zinc (Zn)-Total (mg/kg wwt)	9.21	11.5	10.6	11.8	13.2	
	Zirconium (Zr)-Total (mg/kg wwt)	0.778	0.893	1.19	1.10	0.222	

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

23-OCT-18 13:07 (MT)

Version: FINAL

Sample ID	Description	Sampled Date	Sampled Time	Client ID	L2156762-6	L2156762-7	L2156762-8	L2156762-9	L2156762-10
					Clams	Clams	Clams	Clams	Clams
					13-AUG-18	11-AUG-18	11-AUG-18	11-AUG-18	14-AUG-18
					12:00	12:00	12:00	12:00	12:00
					SW-1	SW-1	SW-2-SW5	SE2	SW3
Grouping	Analyte								
TISSUE									
Physical Tests	% Moisture (%)				78.8	85.9	84.2	80.1	86.8
Metals	Aluminum (Al)-Total (mg/kg wwt)				832	375	368	190	558
	Antimony (Sb)-Total (mg/kg wwt)				0.0077	0.0050	0.0056	0.0040	0.0065
	Arsenic (As)-Total (mg/kg wwt)				2.90	2.17	2.61	1.87	3.33
	Barium (Ba)-Total (mg/kg wwt)				12.1	5.10	12.2	2.12	19.9
	Beryllium (Be)-Total (mg/kg wwt)				0.0531	0.0227	0.0238	0.0209	0.0359
	Bismuth (Bi)-Total (mg/kg wwt)				0.0119	0.0055	0.0052	0.0029	0.0079
	Boron (B)-Total (mg/kg wwt)				7.33	4.61	4.99	3.28	6.36
	Cadmium (Cd)-Total (mg/kg wwt)				0.553	0.777	1.79	0.602	0.269
	Calcium (Ca)-Total (mg/kg wwt)				9420	3500	4740	3700	6120
	Cesium (Cs)-Total (mg/kg wwt)				0.142	0.0645	0.0672	0.0350	0.105
	Chromium (Cr)-Total (mg/kg wwt)				2.46	1.13	1.14	0.822	1.99
	Cobalt (Co)-Total (mg/kg wwt)				1.10	0.368	0.729	0.221	1.72
	Copper (Cu)-Total (mg/kg wwt)				2.52	1.94	2.39	2.61	1.80
	Iron (Fe)-Total (mg/kg wwt)				2310	1090	1130	511	1550
	Lead (Pb)-Total (mg/kg wwt)				0.996	0.421	0.475	0.203	0.878
	Lithium (Li)-Total (mg/kg wwt)				3.38	1.57	1.71	0.78	2.89
	Magnesium (Mg)-Total (mg/kg wwt)				4150	1760	2250	1350	3210
	Manganese (Mn)-Total (mg/kg wwt)				125	24.8	99.3	4.82	327
	Mercury (Hg)-Total (mg/kg wwt)				0.0295	0.0203	0.0276	0.0697	0.0313
	Molybdenum (Mo)-Total (mg/kg wwt)				0.293	0.160	0.249	0.134	0.433
	Nickel (Ni)-Total (mg/kg wwt)				1.98	1.02	1.49	0.787	2.15
	Phosphorus (P)-Total (mg/kg wwt)				1160	1080	1500	2020	835
	Potassium (K)-Total (mg/kg wwt)				1240	1250	1440	2120	1090
	Rubidium (Rb)-Total (mg/kg wwt)				2.86	1.47	1.59	1.44	2.03
	Selenium (Se)-Total (mg/kg wwt)				1.39	1.28	1.09	1.25	0.954
	Sodium (Na)-Total (mg/kg wwt)				1970	3220	4740	2500	3600
	Strontium (Sr)-Total (mg/kg wwt)				30.5	16.8	19.8	16.2	18.0
	Tellurium (Te)-Total (mg/kg wwt)				<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
	Thallium (Tl)-Total (mg/kg wwt)				0.0204	0.00727	0.0139	0.00614	0.0377
	Tin (Sn)-Total (mg/kg wwt)				0.045	0.022	<0.020	<0.020	0.025
	Uranium (U)-Total (mg/kg wwt)				0.185	0.103	0.108	0.175	0.159
	Vanadium (V)-Total (mg/kg wwt)				3.68	1.69	1.84	0.799	3.36
	Zinc (Zn)-Total (mg/kg wwt)				13.9	11.5	10.6	14.4	7.06
	Zirconium (Zr)-Total (mg/kg wwt)				0.897	0.464	0.524	0.319	1.07

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID		L2156762-11 Clams 13-AUG-18 12:00 SW2	L2156762-12 Clams 12-AUG-18 12:00 BE2	L2156762-13 Clams 18-AUG-18 10:00 BM-1	L2156762-14 Clams 18-AUG-18 10:40 BM-3	L2156762-15 Clams 18-AUG-18 11:30 BM-4
Grouping	Analyte					
TISSUE						
Physical Tests	% Moisture (%)	79.0	80.0	83.3	81.5	84.2
Metals	Aluminum (Al)-Total (mg/kg wwt)	860	330	528	513	605
	Antimony (Sb)-Total (mg/kg wwt)	0.0086	0.0048	0.0049	0.0074	0.0061
	Arsenic (As)-Total (mg/kg wwt)	2.96	1.67	2.43	4.12	2.43
	Barium (Ba)-Total (mg/kg wwt)	11.8	14.9	6.50	5.83	6.62
	Beryllium (Be)-Total (mg/kg wwt)	0.0509	0.0286	0.0327	0.0325	0.0439
	Bismuth (Bi)-Total (mg/kg wwt)	0.0100	0.0052	0.0069	0.0071	0.0065
	Boron (B)-Total (mg/kg wwt)	7.16	4.18	5.91	7.11	6.11
	Cadmium (Cd)-Total (mg/kg wwt)	0.568	0.626	0.460	0.565	0.447
	Calcium (Ca)-Total (mg/kg wwt)	9040	3810	5550	8090	4690
	Cesium (Cs)-Total (mg/kg wwt)	0.161	0.0654	0.0997	0.0911	0.0901
	Chromium (Cr)-Total (mg/kg wwt)	2.58	1.12	1.60	1.53	1.44
	Cobalt (Co)-Total (mg/kg wwt)	1.29	0.442	0.510	1.04	0.801
	Copper (Cu)-Total (mg/kg wwt)	2.32	2.51	1.66	1.98	1.74
	Iron (Fe)-Total (mg/kg wwt)	2060	631	1410	2080	1460
	Lead (Pb)-Total (mg/kg wwt)	1.06	0.353	0.581	0.698	0.625
	Lithium (Li)-Total (mg/kg wwt)	3.58	1.48	2.48	2.26	2.51
	Magnesium (Mg)-Total (mg/kg wwt)	4130	2570	2860	2590	2570
	Manganese (Mn)-Total (mg/kg wwt)	166	7.72	38.6	146	87.4
	Mercury (Hg)-Total (mg/kg wwt)	0.0371	0.0692	0.0197	0.0225	0.0216
	Molybdenum (Mo)-Total (mg/kg wwt)	0.393	0.138	0.266	0.297	0.279
	Nickel (Ni)-Total (mg/kg wwt)	2.12	2.72	1.25	1.50	1.40
	Phosphorus (P)-Total (mg/kg wwt)	1300	1370	1000	1250	1060
	Potassium (K)-Total (mg/kg wwt)	1200	1620	1420	1410	1510
	Rubidium (Rb)-Total (mg/kg wwt)	3.18	1.66	2.04	2.00	2.02
	Selenium (Se)-Total (mg/kg wwt)	1.27	1.11	1.20	1.18	1.16
	Sodium (Na)-Total (mg/kg wwt)	1890	5100	4920	4800	5080
	Strontium (Sr)-Total (mg/kg wwt)	30.6	9.56	19.7	27.7	28.5
	Tellurium (Te)-Total (mg/kg wwt)	0.0050	<0.0040	<0.0040	<0.0040	<0.0040
	Thallium (Tl)-Total (mg/kg wwt)	0.0249	0.00769	0.0105	0.0150	0.0125
	Tin (Sn)-Total (mg/kg wwt)	0.044	<0.020	0.028	0.031	0.038
	Uranium (U)-Total (mg/kg wwt)	0.178	0.151	0.105	0.120	0.107
	Vanadium (V)-Total (mg/kg wwt)	3.69	1.19	2.40	3.02	2.43
	Zinc (Zn)-Total (mg/kg wwt)	12.3	11.9	10.1	11.3	9.94
	Zirconium (Zr)-Total (mg/kg wwt)	0.854	0.468	0.730	0.618	0.684

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

23-OCT-18 13:07 (MT)

Version: FINAL

Sample ID Description Sampled Date Sampled Time Client ID		L2156762-16 Clams 18-AUG-18 12:20 BM-6	L2156762-17 Clams 18-AUG-18 13:30 BM-7	L2156762-18 Clams 19-AUG-18 15:40 BM-9	L2156762-19 Clams 17-AUG-18 09:00 BM-10	L2156762-20 Clams 17-AUG-18 09:35 BM-12
Grouping	Analyte					
TISSUE						
Physical Tests	% Moisture (%)	80.4	83.9	81.8	84.5	71.5
Metals	Aluminum (Al)-Total (mg/kg wwt)	920	374	461	334	496
	Antimony (Sb)-Total (mg/kg wwt)	0.0094	0.0066	0.0070	0.0043	0.0047
	Arsenic (As)-Total (mg/kg wwt)	3.31	2.13	2.32	1.61	1.42
	Barium (Ba)-Total (mg/kg wwt)	9.07	3.26	9.74	2.28	17.1
	Beryllium (Be)-Total (mg/kg wwt)	0.0523	0.0233	0.0274	0.0217	0.0443
	Bismuth (Bi)-Total (mg/kg wwt)	0.0110	0.0057	0.0067	0.0049	0.0049
	Boron (B)-Total (mg/kg wwt)	8.95	5.22	5.98	4.98	5.34
	Cadmium (Cd)-Total (mg/kg wwt)	0.555	0.530	0.645	0.551	0.430
	Calcium (Ca)-Total (mg/kg wwt)	8730	3220	5270	2910	2670
	Cesium (Cs)-Total (mg/kg wwt)	0.165	0.0615	0.0843	0.0549	0.0817
	Chromium (Cr)-Total (mg/kg wwt)	2.54	1.08	1.41	1.11	0.943
	Cobalt (Co)-Total (mg/kg wwt)	1.47	0.687	0.673	0.359	0.513
	Copper (Cu)-Total (mg/kg wwt)	2.44	2.05	1.98	1.78	1.48
	Iron (Fe)-Total (mg/kg wwt)	2230	1180	1310	1290	962
	Lead (Pb)-Total (mg/kg wwt)	1.10	0.573	0.586	0.434	0.686
	Lithium (Li)-Total (mg/kg wwt)	3.88	1.59	2.09	1.67	1.94
	Magnesium (Mg)-Total (mg/kg wwt)	4190	1920	2570	1680	1470
	Manganese (Mn)-Total (mg/kg wwt)	213	74.0	67.1	19.3	45.1
	Mercury (Hg)-Total (mg/kg wwt)	0.0291	0.0196	0.0288	0.0110	0.0136
	Molybdenum (Mo)-Total (mg/kg wwt)	0.518	0.225	0.330	0.294	0.151
	Nickel (Ni)-Total (mg/kg wwt)	2.32	1.26	1.39	0.958	1.16
	Phosphorus (P)-Total (mg/kg wwt)	1240	1080	1230	1090	895
	Potassium (K)-Total (mg/kg wwt)	1500	1460	1630	1610	1190
	Rubidium (Rb)-Total (mg/kg wwt)	3.05	1.49	1.97	1.54	1.48
	Selenium (Se)-Total (mg/kg wwt)	1.12	1.22	1.43	1.25	0.859
	Sodium (Na)-Total (mg/kg wwt)	4660	5220	6480	4130	3430
	Strontium (Sr)-Total (mg/kg wwt)	26.5	12.6	27.9	9.23	10.4
	Tellurium (Te)-Total (mg/kg wwt)	0.0052	<0.0040	0.0041	<0.0040	<0.0040
	Thallium (Tl)-Total (mg/kg wwt)	0.0251	0.0105	0.0111	0.00664	0.00686
	Tin (Sn)-Total (mg/kg wwt)	0.054	0.027	0.037	0.352	0.027
	Uranium (U)-Total (mg/kg wwt)	0.157	0.101	0.112	0.0843	0.147
	Vanadium (V)-Total (mg/kg wwt)	3.96	2.05	2.20	1.67	1.67
	Zinc (Zn)-Total (mg/kg wwt)	12.2	12.3	12.8	8.36	7.64
	Zirconium (Zr)-Total (mg/kg wwt)	0.977	0.531	0.604	0.676	1.19

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L2156762-21	L2156762-22	L2156762-23	L2156762-24
		Description	Clams	Clams	Clams	Clams
		Sampled Date	17-AUG-18	17-AUG-18	17-AUG-18	12-AUG-18
		Sampled Time	11:00	12:00	12:41	
		Client ID	BE-1	BE-2	BE-3	SC3-SC-5
Grouping	Analyte					
TISSUE						
Physical Tests	% Moisture (%)		81.4	80.3	82.1	80.4
Metals	Aluminum (Al)-Total (mg/kg wwt)		605	682	552	291
	Antimony (Sb)-Total (mg/kg wwt)		0.0067	0.0072	0.0068	0.0049
	Arsenic (As)-Total (mg/kg wwt)		2.12	2.51	2.38	1.57
	Barium (Ba)-Total (mg/kg wwt)		6.75	10.2	5.05	5.20
	Beryllium (Be)-Total (mg/kg wwt)		0.0339	0.0392	0.0329	0.0185
	Bismuth (Bi)-Total (mg/kg wwt)		0.0074	0.0079	0.0078	0.0062
	Boron (B)-Total (mg/kg wwt)		6.28	6.99	6.54	3.73
	Cadmium (Cd)-Total (mg/kg wwt)		0.450	0.584	0.539	0.827
	Calcium (Ca)-Total (mg/kg wwt)		6470	6070	4570	2070
	Cesium (Cs)-Total (mg/kg wwt)		0.110	0.115	0.0965	0.0597
	Chromium (Cr)-Total (mg/kg wwt)		1.68	1.89	1.55	0.882
	Cobalt (Co)-Total (mg/kg wwt)		0.598	1.06	0.790	0.579
	Copper (Cu)-Total (mg/kg wwt)		1.93	2.07	1.88	1.59
	Iron (Fe)-Total (mg/kg wwt)		1270	1330	1180	630
	Lead (Pb)-Total (mg/kg wwt)		0.730	0.932	0.968	1.03
	Lithium (Li)-Total (mg/kg wwt)		2.55	2.82	2.28	1.15
	Magnesium (Mg)-Total (mg/kg wwt)		2400	2980	2250	1190
	Manganese (Mn)-Total (mg/kg wwt)		48.3	119	78.5	54.9
	Mercury (Hg)-Total (mg/kg wwt)		0.0211	0.0370	0.0232	0.0195
	Molybdenum (Mo)-Total (mg/kg wwt)		0.216	0.270	0.215	0.186
	Nickel (Ni)-Total (mg/kg wwt)		1.39	1.78	1.44	0.959
	Phosphorus (P)-Total (mg/kg wwt)		1230	1410	1220	726
	Potassium (K)-Total (mg/kg wwt)		1400	1370	1350	799
	Rubidium (Rb)-Total (mg/kg wwt)		2.20	2.39	2.07	1.19
	Selenium (Se)-Total (mg/kg wwt)		1.33	1.25	1.16	0.647
	Sodium (Na)-Total (mg/kg wwt)		3690	3340	3780	2350
	Strontium (Sr)-Total (mg/kg wwt)		28.6	21.8	19.5	10.0
	Tellurium (Te)-Total (mg/kg wwt)		<0.0040	0.0041	<0.0040	<0.0040
	Thallium (Tl)-Total (mg/kg wwt)		0.0135	0.0158	0.0133	0.00739
	Tin (Sn)-Total (mg/kg wwt)		0.051	0.056	0.032	0.052
	Uranium (U)-Total (mg/kg wwt)		0.124	0.131	0.106	0.0818
	Vanadium (V)-Total (mg/kg wwt)		2.47	2.89	2.69	1.57
	Zinc (Zn)-Total (mg/kg wwt)		11.3	12.8	11.9	11.6
	Zirconium (Zr)-Total (mg/kg wwt)		0.657	0.747	0.748	0.286

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

Reference Information

QC Samples with Qualifiers & Comments:

QC Type Description	Parameter	Qualifier	Applies to Sample Number(s)
Duplicate	Magnesium (Mg)-Total	DUP-H	L2156762-1, -11, -12, -13, -14, -15, -16, -17, -18, -2, -21, -22, -23, -24, -5, -6, -7, -8, -9

Qualifiers for Individual Parameters Listed:

Qualifier	Description
DUP-H	Duplicate results outside ALS DQO, due to sample heterogeneity.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
HG-WET-CVAFS-N-VA	Tissue	Mercury in Tissue by CVAFS (WET)	EPA 200.3, EPA 245.7
<p>This method is conducted following British Columbia Lab Manual method "Metals in Animal Tissue and Vegetation (Biota) - Prescriptive". Tissue samples are homogenized and sub-sampled prior to hotblock digestion with nitric and hydrochloric acids, in combination with addition of hydrogen peroxide. Analysis is by atomic fluorescence spectrophotometry or atomic absorption spectrophotometry, adapted from US EPA Method 245.7.</p>			
HG-WET-MICR-CVAF-VA	Tissue	Mercury in Tissue by CVAFS Micro (WET)	EPA 200.3, EPA 245.7
<p>This method is adapted from US EPA Method 200.3 "Sample Procedures for Spectrochemical Determination of Total Recoverable Elements in Biological Tissues" (1996). Tissue samples are homogenized and sub-sampled prior to hotblock digestion with nitric and hydrochloric acids, in combination with repeated additions of hydrogen peroxide. Analysis is by atomic fluorescence spectrophotometry or atomic absorption spectrophotometry, adapted from US EPA Method 245.7.</p>			
MET-WET-CCMS-N-VA	Tissue	Metals in Tissue by CRC ICPMS (WET)	EPA 200.3/6020A
<p>This method is conducted following British Columbia Lab Manual method "Metals in Animal Tissue and Vegetation (Biota) - Prescriptive". Tissue samples are homogenized and sub-sampled prior to hotblock digestion with nitric and hydrochloric acids, in combination with addition of hydrogen peroxide. Instrumental analysis is by collision cell inductively coupled plasma - mass spectrometry (modified from EPA Method 6020A).</p> <p>Method Limitation: This method employs a strong acid/peroxide digestion, and is intended to provide a conservative estimate of bio-available metals. Near complete recoveries are achieved for most toxicologically important metals, but elements associated with recalcitrant minerals may be only partially recovered.</p>			
MET-WET-MICR-HRMS-VA	Tissue	Metals in Tissue by HR-ICPMS Micro (WET)	EPA 200.3/200.8
<p>Trace metals in tissue are analyzed by high resolution inductively coupled plasma mass spectrometry (HR-ICPMS) modified from US EPA Method 200.8, (Revision 5.5). The sample preparation procedure is modified from US EPA 200.3. Analytical results are reported on wet weight basis.</p> <p>Method Limitation: This method employs a strong acid/peroxide digestion, and is intended to provide a conservative estimate of bio-available metals. Near complete recoveries are achieved for most toxicologically important metals, but elements associated with recalcitrant minerals may be only partially recovered.</p>			
MOISTURE-MICR-VA	Tissue	Moisture in Tissue	Puget Sound WQ Authority, Apr 1997
<p>This analysis is carried out gravimetrically by drying the sample at <60 deg. C.</p>			
MOISTURE-TISS-VA	Tissue	% Moisture in Tissues	Puget Sound WQ Authority, Apr 1997
<p>This analysis is carried out gravimetrically by drying the sample at 105 C for a minimum of six hours.</p>			

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

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

Laboratory Definition Code	Laboratory Location
VA	ALS ENVIRONMENTAL - VANCOUVER, BRITISH COLUMBIA, CANADA

Chain of Custody Numbers:

15-xxxxxx

Reference Information

GLOSSARY OF REPORT TERMS

Surrogate - A compound that is similar in behaviour to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

mg/kg - milligrams per kilogram based on dry weight of sample.

mg/kg wwt - milligrams per kilogram based on wet weight of sample.

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight of sample.

mg/L - milligrams per litre.

< - Less than.

D.L. - The reported Detection Limit, also known as the Limit of Reporting (LOR).

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.



Quality Control Report

Workorder: L2156762

Report Date: 23-OCT-18

Page 1 of 10

Client: GOLDER ASSOCIATES LTD.
3795 Carey Road, Second Floor
Victoria BC V8Z 6T8

Contact: John Sherrin

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
HG-WET-CVAFS-N-VA		Tissue						
Batch	R4263252							
WG2894656-3	CRM	VA-NRC-DORM4						
Mercury (Hg)-Total			107.4		%		70-130	06-OCT-18
WG2894656-2	DUP	L2156762-1						
Mercury (Hg)-Total		0.0204	0.0196		mg/kg wwt	3.9	40	06-OCT-18
WG2894656-4	LCS							
Mercury (Hg)-Total			106.6		%		70-130	06-OCT-18
WG2894656-1	MB							
Mercury (Hg)-Total			<0.0010		mg/kg wwt		0.001	06-OCT-18
HG-WET-MICR-CVAF-VA		Tissue						
Batch	R4283945							
WG2894645-3	CRM	VA-NRC-DORM4						
Mercury (Hg)-Total			116.8		%		70-130	18-OCT-18
WG2894645-2	DUP	L2156762-3						
Mercury (Hg)-Total		0.0229	0.0217		mg/kg wwt	5.5	40	18-OCT-18
WG2894645-4	LCS							
Mercury (Hg)-Total			101.6		%		70-130	18-OCT-18
WG2894645-1	MB							
Mercury (Hg)-Total			<0.0010		mg/kg wwt		0.001	18-OCT-18
MET-WET-CCMS-N-VA		Tissue						
Batch	R4260211							
WG2894656-3	CRM	VA-NRC-DORM4						
Aluminum (Al)-Total			100.9		%		70-130	05-OCT-18
Arsenic (As)-Total			92.9		%		70-130	05-OCT-18
Barium (Ba)-Total			94.6		%		70-130	05-OCT-18
Beryllium (Be)-Total			0.0152		mg/kg wwt		0.005-0.025	05-OCT-18
Bismuth (Bi)-Total			0.0138		mg/kg wwt		0.002-0.022	05-OCT-18
Boron (B)-Total			92.3		%		70-130	05-OCT-18
Cadmium (Cd)-Total			95.5		%		70-130	05-OCT-18
Calcium (Ca)-Total			100.3		%		70-130	05-OCT-18
Cesium (Cs)-Total			94.6		%		70-130	05-OCT-18
Chromium (Cr)-Total			99.2		%		70-130	05-OCT-18
Cobalt (Co)-Total			95.8		%		70-130	05-OCT-18
Copper (Cu)-Total			98.1		%		70-130	05-OCT-18
Iron (Fe)-Total			108.1		%		70-130	05-OCT-18
Lead (Pb)-Total			97.1		%		70-130	05-OCT-18
Lithium (Li)-Total			1.04		mg/kg wwt		0.71-1.71	05-OCT-18
Magnesium (Mg)-Total			93.3		%		70-130	05-OCT-18



Quality Control Report

Workorder: L2156762

Report Date: 23-OCT-18

Page 2 of 10

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-CCMS-N-VA								
	Tissue							
Batch	R4260211							
WG2894656-3	CRM	VA-NRC-DORM4						
Manganese (Mn)-Total			96.4		%		70-130	05-OCT-18
Molybdenum (Mo)-Total			89.9		%		70-130	05-OCT-18
Nickel (Ni)-Total			90.6		%		70-130	05-OCT-18
Phosphorus (P)-Total			95.8		%		70-130	05-OCT-18
Potassium (K)-Total			93.2		%		70-130	05-OCT-18
Rubidium (Rb)-Total			94.8		%		70-130	05-OCT-18
Selenium (Se)-Total			101.4		%		70-130	05-OCT-18
Sodium (Na)-Total			98.8		%		70-130	05-OCT-18
Strontium (Sr)-Total			90.3		%		70-130	05-OCT-18
Thallium (Tl)-Total			111.6		%		70-130	05-OCT-18
Uranium (U)-Total			107.4		%		70-130	05-OCT-18
Vanadium (V)-Total			93.0		%		70-130	05-OCT-18
Zinc (Zn)-Total			102.2		%		70-130	05-OCT-18
Zirconium (Zr)-Total			0.256		mg/kg wwt		0.054-0.454	05-OCT-18
WG2894656-2	DUP	L2156762-1						
Aluminum (Al)-Total		647	777		mg/kg wwt	18	40	05-OCT-18
Antimony (Sb)-Total		0.0073	0.0077		mg/kg wwt	5.5	40	05-OCT-18
Arsenic (As)-Total		2.56	2.75		mg/kg wwt	7.2	40	05-OCT-18
Barium (Ba)-Total		4.54	4.98		mg/kg wwt	9.2	40	05-OCT-18
Beryllium (Be)-Total		0.0379	0.0465		mg/kg wwt	20	40	05-OCT-18
Bismuth (Bi)-Total		0.0076	0.0085		mg/kg wwt	11	40	05-OCT-18
Boron (B)-Total		7.17	8.03		mg/kg wwt	11	40	05-OCT-18
Cadmium (Cd)-Total		0.429	0.418		mg/kg wwt	2.7	40	05-OCT-18
Calcium (Ca)-Total		4860	7620		mg/kg wwt	44	60	05-OCT-18
Cesium (Cs)-Total		0.118	0.133		mg/kg wwt	12	40	05-OCT-18
Chromium (Cr)-Total		1.84	2.12		mg/kg wwt	14	40	05-OCT-18
Cobalt (Co)-Total		0.796	0.931		mg/kg wwt	16	40	05-OCT-18
Copper (Cu)-Total		1.88	2.04		mg/kg wwt	7.7	40	05-OCT-18
Iron (Fe)-Total		1370	1640		mg/kg wwt	18	40	05-OCT-18
Lead (Pb)-Total		0.796	0.977		mg/kg wwt	20	40	05-OCT-18
Lithium (Li)-Total		2.69	3.17		mg/kg wwt	17	40	05-OCT-18
Magnesium (Mg)-Total		2560	3970	DUP-H	mg/kg wwt	43	40	05-OCT-18
Manganese (Mn)-Total		68.5	92.2		mg/kg wwt	29	40	05-OCT-18
Molybdenum (Mo)-Total		0.222	0.254		mg/kg wwt	14	40	05-OCT-18



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-CCMS-N-VA								
	Tissue							
Batch	R4260211							
WG2894656-2	DUP	L2156762-1						
Nickel (Ni)-Total		1.54	1.75		mg/kg wwt	13	40	05-OCT-18
Phosphorus (P)-Total		1000	1080		mg/kg wwt	6.8	40	05-OCT-18
Potassium (K)-Total		1380	1430		mg/kg wwt	3.4	40	05-OCT-18
Rubidium (Rb)-Total		2.32	2.61		mg/kg wwt	12	40	05-OCT-18
Selenium (Se)-Total		1.16	1.12		mg/kg wwt	3.0	40	05-OCT-18
Sodium (Na)-Total		3540	3600		mg/kg wwt	1.7	40	05-OCT-18
Strontium (Sr)-Total		20.9	25.6		mg/kg wwt	20	60	05-OCT-18
Tellurium (Te)-Total		0.0043	<0.0040	RPD-NA	mg/kg wwt	N/A	40	05-OCT-18
Thallium (Tl)-Total		0.0148	0.0170		mg/kg wwt	14	40	05-OCT-18
Tin (Sn)-Total		0.046	0.050		mg/kg wwt	8.0	40	05-OCT-18
Uranium (U)-Total		0.119	0.128		mg/kg wwt	7.1	40	05-OCT-18
Vanadium (V)-Total		3.01	3.59		mg/kg wwt	18	40	05-OCT-18
Zinc (Zn)-Total		9.21	9.82		mg/kg wwt	6.3	40	05-OCT-18
Zirconium (Zr)-Total		0.778	0.964		mg/kg wwt	21	40	05-OCT-18
WG2894656-4								
	LCS							
Aluminum (Al)-Total			99.6		%		70-130	05-OCT-18
Antimony (Sb)-Total			99.7		%		70-130	05-OCT-18
Arsenic (As)-Total			99.6		%		70-130	05-OCT-18
Barium (Ba)-Total			95.4		%		70-130	05-OCT-18
Beryllium (Be)-Total			99.9		%		70-130	05-OCT-18
Bismuth (Bi)-Total			97.8		%		70-130	05-OCT-18
Boron (B)-Total			94.9		%		70-130	05-OCT-18
Cadmium (Cd)-Total			97.8		%		70-130	05-OCT-18
Calcium (Ca)-Total			96.2		%		70-130	05-OCT-18
Cesium (Cs)-Total			103.2		%		70-130	05-OCT-18
Chromium (Cr)-Total			97.0		%		70-130	05-OCT-18
Cobalt (Co)-Total			97.6		%		70-130	05-OCT-18
Copper (Cu)-Total			97.2		%		70-130	05-OCT-18
Iron (Fe)-Total			98.0		%		70-130	05-OCT-18
Lead (Pb)-Total			98.0		%		70-130	05-OCT-18
Lithium (Li)-Total			97.9		%		70-130	05-OCT-18
Magnesium (Mg)-Total			96.7		%		70-130	05-OCT-18
Manganese (Mn)-Total			101.4		%		70-130	05-OCT-18
Molybdenum (Mo)-Total			100.0		%		70-130	05-OCT-18



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-CCMS-N-VA		Tissue						
Batch	R4260211							
WG2894656-4 LCS								
Nickel (Ni)-Total			98.7		%		70-130	05-OCT-18
Phosphorus (P)-Total			101.1		%		70-130	05-OCT-18
Potassium (K)-Total			99.0		%		70-130	05-OCT-18
Rubidium (Rb)-Total			98.9		%		70-130	05-OCT-18
Selenium (Se)-Total			99.0		%		70-130	05-OCT-18
Sodium (Na)-Total			102.4		%		70-130	05-OCT-18
Strontium (Sr)-Total			98.7		%		70-130	05-OCT-18
Tellurium (Te)-Total			100.8		%		70-130	05-OCT-18
Thallium (Tl)-Total			97.7		%		70-130	05-OCT-18
Tin (Sn)-Total			97.5		%		70-130	05-OCT-18
Uranium (U)-Total			103.9		%		70-130	05-OCT-18
Vanadium (V)-Total			99.3		%		70-130	05-OCT-18
Zinc (Zn)-Total			96.7		%		70-130	05-OCT-18
Zirconium (Zr)-Total			97.0		%		70-130	05-OCT-18
WG2894656-1 MB								
Aluminum (Al)-Total			<0.40		mg/kg wwt		0.4	05-OCT-18
Antimony (Sb)-Total			<0.0020		mg/kg wwt		0.002	05-OCT-18
Arsenic (As)-Total			<0.0040		mg/kg wwt		0.004	05-OCT-18
Barium (Ba)-Total			<0.010		mg/kg wwt		0.01	05-OCT-18
Beryllium (Be)-Total			<0.0020		mg/kg wwt		0.002	05-OCT-18
Bismuth (Bi)-Total			<0.0020		mg/kg wwt		0.002	05-OCT-18
Boron (B)-Total			<0.20		mg/kg wwt		0.2	05-OCT-18
Cadmium (Cd)-Total			<0.0010		mg/kg wwt		0.001	05-OCT-18
Calcium (Ca)-Total			<4.0		mg/kg wwt		4	05-OCT-18
Cesium (Cs)-Total			<0.0010		mg/kg wwt		0.001	05-OCT-18
Chromium (Cr)-Total			<0.010		mg/kg wwt		0.01	05-OCT-18
Cobalt (Co)-Total			<0.0040		mg/kg wwt		0.004	05-OCT-18
Copper (Cu)-Total			<0.020		mg/kg wwt		0.02	05-OCT-18
Iron (Fe)-Total			<0.60		mg/kg wwt		0.6	05-OCT-18
Lead (Pb)-Total			<0.0040		mg/kg wwt		0.004	05-OCT-18
Lithium (Li)-Total			<0.10		mg/kg wwt		0.1	05-OCT-18
Magnesium (Mg)-Total			<0.40		mg/kg wwt		0.4	05-OCT-18
Manganese (Mn)-Total			<0.010		mg/kg wwt		0.01	05-OCT-18
Molybdenum (Mo)-Total			<0.0040		mg/kg wwt		0.004	05-OCT-18



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-CCMS-N-VA		Tissue						
Batch	R4260211							
WG2894656-1	MB							
Nickel (Ni)-Total			<0.040		mg/kg wwt		0.04	05-OCT-18
Phosphorus (P)-Total			<2.0		mg/kg wwt		2	05-OCT-18
Potassium (K)-Total			<4.0		mg/kg wwt		4	05-OCT-18
Rubidium (Rb)-Total			<0.010		mg/kg wwt		0.01	05-OCT-18
Selenium (Se)-Total			<0.010		mg/kg wwt		0.01	05-OCT-18
Sodium (Na)-Total			<4.0		mg/kg wwt		4	05-OCT-18
Strontium (Sr)-Total			<0.010		mg/kg wwt		0.01	05-OCT-18
Tellurium (Te)-Total			<0.0040		mg/kg wwt		0.004	05-OCT-18
Thallium (Tl)-Total			<0.00040		mg/kg wwt		0.0004	05-OCT-18
Tin (Sn)-Total			<0.020		mg/kg wwt		0.02	05-OCT-18
Uranium (U)-Total			<0.00040		mg/kg wwt		0.0004	05-OCT-18
Vanadium (V)-Total			<0.020		mg/kg wwt		0.02	05-OCT-18
Zinc (Zn)-Total			<0.10		mg/kg wwt		0.1	05-OCT-18
Zirconium (Zr)-Total			<0.040		mg/kg wwt		0.04	05-OCT-18
MET-WET-MICR-HRMS-VA		Tissue						
Batch	R4293207							
WG2894645-3	CRM							
		VA-NRC-DORM4						
Aluminum (Al)-Total			97.4		%		70-130	19-OCT-18
Arsenic (As)-Total			89.2		%		70-130	19-OCT-18
Barium (Ba)-Total			114.5		%		70-130	19-OCT-18
Beryllium (Be)-Total			0.0179		mg/kg wwt		0.005-0.025	19-OCT-18
Bismuth (Bi)-Total			0.0107		mg/kg wwt		0.002-0.022	19-OCT-18
Boron (B)-Total			127.0		%		70-130	19-OCT-18
Cadmium (Cd)-Total			103.7		%		70-130	19-OCT-18
Calcium (Ca)-Total			99.4		%		70-130	19-OCT-18
Cesium (Cs)-Total			110.3		%		70-130	19-OCT-18
Chromium (Cr)-Total			110.2		%		70-130	19-OCT-18
Cobalt (Co)-Total			93.9		%		70-130	19-OCT-18
Copper (Cu)-Total			94.2		%		70-130	19-OCT-18
Iron (Fe)-Total			94.4		%		70-130	19-OCT-18
Lead (Pb)-Total			110.6		%		70-130	19-OCT-18
Lithium (Li)-Total			1.43		mg/kg wwt		0.71-1.71	19-OCT-18
Magnesium (Mg)-Total			96.5		%		70-130	19-OCT-18
Manganese (Mn)-Total			104.8		%		70-130	19-OCT-18



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-MICR-HRMS-VA Tissue								
Batch	R4293207							
WG2894645-3 CRM		VA-NRC-DORM4						
Molybdenum (Mo)-Total			112.1		%		70-130	19-OCT-18
Nickel (Ni)-Total			96.1		%		70-130	19-OCT-18
Phosphorus (P)-Total			87.5		%		70-130	19-OCT-18
Potassium (K)-Total			95.0		%		70-130	19-OCT-18
Rubidium (Rb)-Total			109.8		%		70-130	19-OCT-18
Selenium (Se)-Total			93.3		%		70-130	19-OCT-18
Sodium (Na)-Total			95.9		%		70-130	19-OCT-18
Strontium (Sr)-Total			105.0		%		70-130	19-OCT-18
Thallium (Tl)-Total			115.0		%		70-130	19-OCT-18
Tin (Sn)-Total			0.076		mg/kg wwt		0.04-0.161	19-OCT-18
Uranium (U)-Total			112.4		%		70-130	19-OCT-18
Vanadium (V)-Total			100.2		%		70-130	19-OCT-18
Zinc (Zn)-Total			91.7		%		70-130	19-OCT-18
Zirconium (Zr)-Total			0.276		mg/kg wwt		0.054-0.454	19-OCT-18
WG2894645-2 DUP		L2156762-3						
Aluminum (Al)-Total		652	704		mg/kg wwt	7.7	40	19-OCT-18
Antimony (Sb)-Total		0.0083	0.0094		mg/kg wwt	12	40	19-OCT-18
Arsenic (As)-Total		3.73	3.11		mg/kg wwt	18	40	19-OCT-18
Barium (Ba)-Total		20.5	21.7		mg/kg wwt	5.7	40	19-OCT-18
Beryllium (Be)-Total		0.0404	0.0450		mg/kg wwt	11	40	19-OCT-18
Bismuth (Bi)-Total		0.0082	0.0095		mg/kg wwt	15	40	19-OCT-18
Boron (B)-Total		7.89	8.56		mg/kg wwt	8.2	40	19-OCT-18
Cadmium (Cd)-Total		0.538	0.572		mg/kg wwt	6.2	40	19-OCT-18
Calcium (Ca)-Total		7630	7590		mg/kg wwt	0.5	60	19-OCT-18
Cesium (Cs)-Total		0.121	0.137		mg/kg wwt	12	40	19-OCT-18
Chromium (Cr)-Total		2.27	2.82		mg/kg wwt	21	40	19-OCT-18
Cobalt (Co)-Total		1.30	1.31		mg/kg wwt	1.2	40	19-OCT-18
Copper (Cu)-Total		3.29	3.76		mg/kg wwt	13	40	19-OCT-18
Iron (Fe)-Total		2100	1960		mg/kg wwt	6.7	40	19-OCT-18
Lead (Pb)-Total		0.937	1.03		mg/kg wwt	9.7	40	19-OCT-18
Lithium (Li)-Total		3.25	3.65		mg/kg wwt	12	40	19-OCT-18
Magnesium (Mg)-Total		3690	3880		mg/kg wwt	5.0	40	19-OCT-18
Manganese (Mn)-Total		175	174		mg/kg wwt	0.4	40	19-OCT-18
Molybdenum (Mo)-Total		0.441	0.464		mg/kg wwt	5.0	40	19-OCT-18



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-MICR-HRMS-VA Tissue								
Batch	R4293207							
WG2894645-2 DUP		L2156762-3						
Nickel (Ni)-Total		2.24	2.37		mg/kg wwt	5.7	40	19-OCT-18
Phosphorus (P)-Total		1450	1410		mg/kg wwt	2.4	40	19-OCT-18
Potassium (K)-Total		1970	2020		mg/kg wwt	3.0	40	19-OCT-18
Rubidium (Rb)-Total		2.58	2.69		mg/kg wwt	4.4	40	19-OCT-18
Selenium (Se)-Total		1.22	1.22		mg/kg wwt	0.3	40	19-OCT-18
Sodium (Na)-Total		6410	6710		mg/kg wwt	4.7	40	19-OCT-18
Strontium (Sr)-Total		19.0	18.3		mg/kg wwt	4.0	60	19-OCT-18
Tellurium (Te)-Total		<0.0040	0.0044	RPD-NA	mg/kg wwt	N/A	40	19-OCT-18
Thallium (Tl)-Total		0.0163	0.0165		mg/kg wwt	0.7	40	19-OCT-18
Tin (Sn)-Total		0.037	0.040		mg/kg wwt	5.2	40	19-OCT-18
Uranium (U)-Total		0.130	0.155		mg/kg wwt	18	40	19-OCT-18
Vanadium (V)-Total		3.48	3.52		mg/kg wwt	1.2	40	19-OCT-18
Zinc (Zn)-Total		10.6	11.2		mg/kg wwt	6.1	40	19-OCT-18
Zirconium (Zr)-Total		1.19	1.32		mg/kg wwt	10	40	19-OCT-18
WG2894645-4 LCS								
Aluminum (Al)-Total			99.3		%		70-130	19-OCT-18
Antimony (Sb)-Total			98.8		%		70-130	19-OCT-18
Arsenic (As)-Total			107.0		%		70-130	19-OCT-18
Barium (Ba)-Total			119.6		%		70-130	19-OCT-18
Beryllium (Be)-Total			99.4		%		70-130	19-OCT-18
Bismuth (Bi)-Total			100.1		%		70-130	19-OCT-18
Boron (B)-Total			105.6		%		70-130	19-OCT-18
Cadmium (Cd)-Total			95.2		%		70-130	19-OCT-18
Calcium (Ca)-Total			100.0		%		70-130	19-OCT-18
Cesium (Cs)-Total			109.4		%		70-130	19-OCT-18
Chromium (Cr)-Total			106.8		%		70-130	19-OCT-18
Cobalt (Co)-Total			102.4		%		70-130	19-OCT-18
Copper (Cu)-Total			95.6		%		70-130	19-OCT-18
Iron (Fe)-Total			98.5		%		70-130	19-OCT-18
Lead (Pb)-Total			101.4		%		70-130	19-OCT-18
Lithium (Li)-Total			110.6		%		70-130	19-OCT-18
Magnesium (Mg)-Total			101.1		%		70-130	19-OCT-18
Manganese (Mn)-Total			108.8		%		70-130	19-OCT-18
Molybdenum (Mo)-Total			103.2		%		70-130	19-OCT-18



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-MICR-HRMS-VA Tissue								
Batch	R4293207							
WG2894645-4	LCS							
Nickel (Ni)-Total			101.2		%		70-130	19-OCT-18
Phosphorus (P)-Total			96.0		%		70-130	19-OCT-18
Potassium (K)-Total			107.5		%		70-130	19-OCT-18
Rubidium (Rb)-Total			104.7		%		70-130	19-OCT-18
Selenium (Se)-Total			102.6		%		70-130	19-OCT-18
Sodium (Na)-Total			102.8		%		70-130	19-OCT-18
Strontium (Sr)-Total			109.4		%		70-130	19-OCT-18
Tellurium (Te)-Total			111.0		%		70-130	19-OCT-18
Thallium (Tl)-Total			98.5		%		70-130	19-OCT-18
Tin (Sn)-Total			99.8		%		70-130	19-OCT-18
Uranium (U)-Total			116.2		%		70-130	19-OCT-18
Vanadium (V)-Total			99.4		%		70-130	19-OCT-18
Zinc (Zn)-Total			79.8		%		70-130	19-OCT-18
Zirconium (Zr)-Total			108.3		%		70-130	19-OCT-18
WG2894645-1	MB							
Aluminum (Al)-Total			<1.0		mg/kg wwt		1	19-OCT-18
Antimony (Sb)-Total			<0.0020		mg/kg wwt		0.002	19-OCT-18
Arsenic (As)-Total			<0.0060		mg/kg wwt		0.006	19-OCT-18
Barium (Ba)-Total			<0.010		mg/kg wwt		0.01	19-OCT-18
Beryllium (Be)-Total			<0.0020		mg/kg wwt		0.002	19-OCT-18
Bismuth (Bi)-Total			<0.0020		mg/kg wwt		0.002	19-OCT-18
Boron (B)-Total			<0.20		mg/kg wwt		0.2	19-OCT-18
Cadmium (Cd)-Total			<0.0020		mg/kg wwt		0.002	19-OCT-18
Calcium (Ca)-Total			<4.0		mg/kg wwt		4	19-OCT-18
Cesium (Cs)-Total			<0.0010		mg/kg wwt		0.001	19-OCT-18
Chromium (Cr)-Total			<0.040		mg/kg wwt		0.04	19-OCT-18
Cobalt (Co)-Total			<0.0040		mg/kg wwt		0.004	19-OCT-18
Copper (Cu)-Total			<0.040		mg/kg wwt		0.04	19-OCT-18
Iron (Fe)-Total			<1.0		mg/kg wwt		1	19-OCT-18
Lead (Pb)-Total			<0.010		mg/kg wwt		0.01	19-OCT-18
Lithium (Li)-Total			<0.10		mg/kg wwt		0.1	19-OCT-18
Magnesium (Mg)-Total			<0.40		mg/kg wwt		0.4	19-OCT-18
Manganese (Mn)-Total			<0.010		mg/kg wwt		0.01	19-OCT-18
Molybdenum (Mo)-Total			<0.0080		mg/kg wwt		0.008	19-OCT-18



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-MICR-HRMS-VA Tissue								
Batch R4293207								
WG2894645-1 MB								
Nickel (Ni)-Total			<0.040		mg/kg wwt		0.04	19-OCT-18
Phosphorus (P)-Total			<2.0		mg/kg wwt		2	19-OCT-18
Potassium (K)-Total			<4.0		mg/kg wwt		4	19-OCT-18
Rubidium (Rb)-Total			<0.010		mg/kg wwt		0.01	19-OCT-18
Selenium (Se)-Total			<0.020		mg/kg wwt		0.02	19-OCT-18
Sodium (Na)-Total			<4.0		mg/kg wwt		4	19-OCT-18
Strontium (Sr)-Total			<0.020		mg/kg wwt		0.02	19-OCT-18
Tellurium (Te)-Total			<0.0040		mg/kg wwt		0.004	19-OCT-18
Thallium (Tl)-Total			<0.00040		mg/kg wwt		0.0004	19-OCT-18
Tin (Sn)-Total			<0.020		mg/kg wwt		0.02	19-OCT-18
Uranium (U)-Total			<0.00040		mg/kg wwt		0.0004	19-OCT-18
Vanadium (V)-Total			<0.020		mg/kg wwt		0.02	19-OCT-18
Zinc (Zn)-Total			<0.20		mg/kg wwt		0.2	19-OCT-18
Zirconium (Zr)-Total			<0.040		mg/kg wwt		0.04	19-OCT-18
MOISTURE-MICR-VA Tissue								
Batch R4266268								
WG2891074-3 DUP								
% Moisture		L2156762-3	78.0		%	1.0	25	30-SEP-18
WG2891074-2 LCS								
% Moisture			100.1		%		90-110	30-SEP-18
WG2891074-1 MB								
% Moisture			<2.0		%		2	30-SEP-18
MOISTURE-TISS-VA Tissue								
Batch R4253990								
WG2890322-3 DUP								
% Moisture		L2156762-1	81.4		%	1.8	20	28-SEP-18
WG2890322-2 LCS								
% Moisture			100.0		%		90-110	28-SEP-18
WG2890322-1 MB								
% Moisture			<0.50		%		0.5	28-SEP-18

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Legend:

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

Sample Parameter Qualifier Definitions:

Qualifier	Description
DUP-H	Duplicate results outside ALS DQO, due to sample heterogeneity.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

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

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

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



Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878



L2156762-COFC

COC Number: 15 - XXXXXX

Page 1 of 3

www.alsglobal.com

Report To		Report Format / Distribution			Service Level				
Contact and company name below will appear on the final report		Select Report Format: <input checked="" type="checkbox"/> PDF <input checked="" type="checkbox"/> EXCEL <input type="checkbox"/> EDD (DIGITAL)			Select Service Level below. Please confirm all E&P TATs with your AM - surcharges will apply				
Company:	Golder Associatex Ltd.	Quality Control (QC) Report with Report <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			Regular [R] <input checked="" type="checkbox"/> Standard TAT if received by 3 pm - business days - no surcharges apply				
Contact:	John Sherrin / Arman Ospan	<input type="checkbox"/> Compare Results to Criteria on Report - provide details below if box checked			PRIORITY (Business Days)	EMERGENCY			
Phone:	1 (250) 881 7372	Select Distribution: <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX			4 day [P4] <input type="checkbox"/>	1 Business day [E1] <input type="checkbox"/>			
Company address below will appear on the final report		Email 1 or Fax: jsherrin@golder.com			3 day [P3] <input type="checkbox"/>	Same Day, Weekend or Statutory holiday [E0] <input type="checkbox"/>			
Street:	2nd floor 3795 Carey Rd.	Email 2: aospan@golder.com			Date and Time Required for all E&P TATs:				
City/Province:	Victoria BC	Email 3:			For tests that can not be performed according to the service level selected, you will be contacted.				
Postal Code:	V8Z 6T8				Analysis Request				
Invoice To	Same as Report To <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Invoice Distribution			Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below				
	Copy of Invoice with Report <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Select Invoice Distribution: <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX							
Company:		Email 1 or Fax:			Tissue Analysis	Metals Including Mercury			
Contact:		Email 2:					Number of Containers		
Project Information		Oil and Gas Required Fields (client use)							
ALS Account # / Quote #:	BR191034	AFE/Cost Center:	PO#:						
Job #:	1663724/14000/3	Major/Minor Code:	Routing Code:						
PO / AFE:		Requisitioner:							
LSD:		Location:							
ALS Lab Work Order # (lab use only)	6762	ALS Contact:	Sampler:						
ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type					
	BE-4	17-Aug-18	13:45	Clams				X	X
	BE-5	17-Aug-18	15:20						
	SN-1	19-Aug-18	14:56						
	SN-3	19-Aug-18	12:45						
	SE-1	11-Aug-18							
	SW-1	13-Aug-18							
	SW-1	11-Aug-18							
	SW-2-SW5	11-Aug-18							
	SE2	11-Aug-18							
	SW3	14-Aug-18							
	SW2	13-Aug-18							
	BE2	12-Aug-18							
Drinking Water (DW) Samples ¹ (client use)		Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)			SAMPLE CONDITION AS RECEIVED (lab use only)				
Are samples taken from a Regulated DW System? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO					Frozen <input type="checkbox"/> SIF Observations Yes <input type="checkbox"/> No <input type="checkbox"/>				
Are samples for human drinking water use? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO					Ice Packs <input type="checkbox"/> Ice Cubes <input type="checkbox"/> Custody seal intact Yes <input type="checkbox"/> No <input type="checkbox"/>				
					Cooling Initiated <input type="checkbox"/>				
					INITIAL COOLER TEMPERATURES °C				
					FINAL COOLER TEMPERATURES °C				
					5.2				
SHIPMENT RELEASE (client use)		INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)				
Released by:	Date:	Received by:	Date:	Time:	Received by:	Date:			
Sarah Proctor	Aug 28, 2018 08:30				BP	Aug 31			
						09:30			

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

OCTOBER 2015 FRONT

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a Regulated Drinking Water (DW) System, please submit using an Authorized DW COC form.

ANNEXE F-2 : Shellfish Length & Weight Data

Date	Station	Length (mm)	Weight (g)
10-Aug-19	BW-1	12.5	0.41
		22.0	1.53
		21.3	1.36
		26.7	4.34
		17.0	0.52
		22.0	0.77
		22.0	1.38
		23.0	1.64
		14.0	0.47
		13.5	0.41
		20.5	1.27
		19.0	0.99
15-Aug-19	BW-1	10.3	0.25
		25.9	3.65
		32.6	6.77
		25.5	6.95
		27.8	2.83
		32.1	5.07
		32.7	4.35
		28.1	4.78
		26.3	3.85
		29.0	3.91
		29.2	4.16
		28.8	3.93
		25.2	4.55
		26.9	2.98
		27.5	4.62
		25.0	3.12
		24.7	3.47
		24.5	2.82
27.2	2.82		
21.6	1.65		
-	2.05		
-	1.68		
18-Aug-19	BW-1	28.0	4.59
		33.9	6.02
		27.0	3.35
		23.4	2.64
		25.9	1.86
		18.7	1.70
		19.3	1.20
20.4	1.07		
15-Aug-19	BW-2	27.2	4.40
		32.5	6.99
		28.9	5.29
		27.5	4.86
		26.8	3.03
		25.6	3.60
		29.0	3.92
		24.0	3.84
		22.1	2.12
		-	5.46
		-	4.40
		18.4	0.88
		20.2	1.31
		-	0.99
		16.6	0.76
		-	1.34
17.8	0.80		
13.4	0.30		
-	0.39		
10.4	0.14		

ANNEXE F-2 : Shellfish Length & Weight Data

Date	Station	Length (mm)	Weight (g)
18-Aug-19	BW-2	22.6	1.87
		16.5	0.49
		23.3	3.14
		20.3	1.63
		20.7	1.22
		27.8	0.72
		-	1.80
		-	1.30
18-Aug-19	BW-2	11.5	0.06
		26.8	2.92
		26.0	4.08
		31.1	7.29
		25.3	3.15
		30.5	4.42
		23.6	2.94
		21.4	1.84
		21.0	1.17
		-	2.18
		22.8	1.79
		20.2	1.31
		23.5	1.83
		20.0	0.90
		19.2	1.24
		23.5	2.55
		19.0	0.94
		20.5	1.12
18-Aug-19	BW-3	13.6	0.26
		16.9	0.57
		17.0	0.56
		11.9	0.20
		11.2	0.08
		32.1	0.68
		29.8	5.46
		27.6	3.69
		24.0	1.93
		21.7	1.47
		25.0	2.40
		20.4	1.37
		30.5	4.98
		27.9	3.98
		29.0	4.10
		15.5	0.51
		29.5	4.42
		-	2.86
		26.8	2.40
		18.3	0.87
26.1	2.48		
17.0	0.67		
16.1	0.59		
20.5	1.54		
13.4	0.34		
18.6	0.87		
15.8	0.40		
21.5	1.53		
19.5	1.13		
17.9	0.72		
19.9	1.08		
15.0	0.45		
13.3	0.36		
15.8	0.46		
12.9	0.22		

ANNEXE F-2 : Shellfish Length & Weight Data

Date	Station	Length (mm)	Weight (g)
18-Aug-19	BW-3	32.6	6.00
		32.3	4.79
		27.2	3.26
		24.1	3.05
		27.5	2.51
		31.6	5.17
		25.3	1.85
		20.3	0.92
		25.1	2.02
		20.5	1.26
		16.0	0.45
		18.4	0.84
		-	0.30
		15.4	0.47
12.5	0.20		
10.6	0.09		
15-Aug-19	BW-3	31.3	6.53
		28.7	4.49
10-Aug-19	BW2-BW5	28.0	5.01
		23.0	2.10
		27.5	3.64
		15.7	1.17
		29.0	3.85
		21.0	1.45
		25.5	1.86
18.0	0.62		
10-Aug-19	SE-1	31.0	8.64
		26.0	4.32
		25.5	2.42
17-Aug-19	SE-2	22.1	1.22
		24.0	2.15
		24.4	2.18
17-Aug-19	SE-2	27.3	3.96
		26.6	3.23
		29.6	6.72
17-Aug-19	BE-1	26.1	3.49
		21.5	1.41
		-	5.07
		-	0.65
		-	2.84
		25.5	2.81
		28.4	3.16
		22.9	1.88
		28.7	1.01
		20.1	1.30
		23.3	1.82
		24.8	2.29
		12.6	0.26
		19.7	0.90
		19.0	0.86
		18.5	0.81
		20.7	1.12
		12.5	0.34
		21.6	1.72
		16.6	0.45
		17.1	0.73
		20.5	1.20
		18.8	0.73
		13.0	0.43
		19.8	0.98
		18.0	0.83
		21.4	0.70
18.0	0.97		
14.1	0.31		
15.2	0.43		

ANNEXE F-2 : Shellfish Length & Weight Data

Date	Station	Length (mm)	Weight (g)
17-Aug-19	BE-2	28.1	3.56
		28.9	4.17
		30.5	5.75
		26.3	3.98
		24.3	3.41
		21.2	1.54
		27.4	3.68
		31.9	4.17
		-	3.40
		12.4	0.24
17-Aug-19	BE-3	26.2	2.36
		28.1	3.16
		29.4	3.61
		24.1	2.32
		22.6	1.58
		23.5	1.74
		20.5	1.68
		23.7	2.24
17-Aug-19	BE-4	18.1	1.08
		20.6	1.46
		26.1	2.68
		31.3	3.25
		25.1	1.93
		27.2	2.64
		32.7	4.86
		20.7	0.73
		22.9	1.24
		29.7	3.68
		22.0	1.39
		26.4	2.61
		24.7	2.62
		19.8	1.26
		24.1	2.61
		16.0	0.67
		19.8	1.25
		21.2	1.95
		22.7	2.63
		12.1	0.21
		21.9	1.82
		21.0	1.72
		18.0	1.01
		21.0	1.20
		26.3	3.04
		16.4	0.79
		18.1	0.80
		15.9	0.43
		22.4	1.63
		15.9	0.56
		20.5	1.29
		19.0	0.92
19.9	1.45		
17.1	0.75		
24.8	1.80		
11.2	0.19		
17.7	0.73		
14.0	0.36		
12.8	0.30		
14.4	0.56		
14.4	0.36		
10.4	0.17		

ANNEXE F-2 : Shellfish Length & Weight Data

Date	Station	Length (mm)	Weight (g)
15-Aug-19	BE-5	32.5	3.30
		27.4	2.66
		36.1	5.97
		31.1	5.63
		29.2	3.70
		33.1	4.89
		25.9	3.15
		27.9	3.46
		31.9	4.34
		24.6	2.63
		20.0	1.96
		-	1.35
		22.3	2.50
26.0	3.02		
17-Aug-19	BE-5	21.5	1.42
		25.6	1.86
		25.7	3.01
		23.2	1.46
		28.7	2.65
		22.1	1.20
		19.4	0.83
		26.3	3.44
		17.3	0.63
		26.3	4.81
		20.6	1.11
		17.7	0.74
		16.7	0.39
14.0	0.29		

Notes:

(-) = shell crushed, no length measurement taken

ANNEXE G

Fish Catch and Analysis Data



Canada

Date: October 4, 2018

To: Mr. Phil Rouget, Golder Associates Ltd.

Subject: Animal Use Protocol - Letter of Approval

Dear Phil,

Your 2018 Animal Use Protocol (AUP), number FWI-ACC-2018-42, entitled “Baffinland 2018 Marine Ecological Effects Monitoring Program and Marine Habitat Offset Monitoring Program” has been reviewed and approved by the Freshwater Institute Animal Care Committee.

Keep this signed letter of approval as well as the signed AUP approval form for your records. Please be advised that should there be a need to revise the protocol you are requested to contact the Freshwater Institute Animal Care Committee and obtain approval prior to proceeding.

The Canadian Council on Animal Care requires Post approval Monitoring of Animal Use Protocols (AUP) and as such the Freshwater Institute Animal Care Committee is going to randomly choose AUP's and ask for photographs or video that shows the handling or interaction with the animals in these AUPs.

In addition, you are required to submit a brief report within 30 days of completion of the project outlining the unexpected changes to the protocol, the number of animals used and any unanticipated results or mortalities. The report form is attached in your approval email.

Feel free to contact me if you have any questions or concerns.

Sincerely,
Travis Durhack

Chair Person of FWI-ACC

*Freshwater Institute Animal Care Committee
Arctic & Aquatic Research
Central & Arctic / Région du Centre et de l'Arctique
Fisheries and Oceans Canada / Pêches et Océans Canada
501 University Crescent
Winnipeg, Manitoba R3T 2N6
Phone: 204-983-5072
xca-fwisl-acc@dfo-mpo.gc.ca*



Pêches et Océans
Canada

Fisheries and Oceans
Canada



APPROVAL BY ANIMAL CARE COMMITTEE MEMBERS

Signatures of ACC Members

Andrew Chapelsky

Marc Brandson

Dr. Ericka Anseeuw D.V.M.

Bob Artes

Kerry Wautier

Travis Durhack

Brent Young

Interim Approval

Final Approval

APPROVAL BY THE FWI ANIMAL CARE COMMITTEE IS FOR THE PERIOD STATED ON YOUR ANIMAL USE PROTOCOL.





Licence #: S-18/19-1028-NU

Philippe Rouget
3795 Carey Road 2nd floor
Victoria, BC, CA V8Z 6T8

Dear Philippe Rouget,

Enclosed is your Licence to Fish for Scientific Purposes issued pursuant to Section 52 of the Fishery (General) Regulations.

Failure to comply with any of the conditions specified on the attached licence may result in a contravention of the Fishery (General) Regulations.

Please be advised that this licence only permits those activities stated on your licence. Any other activity may require approval under the Fisheries Act or other legislation. It is the Project Authority's responsibility to obtain any other approvals.

Please ensure that you include the licence number and project title in any future correspondence and that you complete the Summary Harvest Report upon completion of activities under this licence.

Yours truly,

for

Jenna Kayakjuak
License Delivery Officer
Northern Operations
Central and Arctic Region
Fisheries and Oceans Canada

Enclosure

July 18, 2018

Date



LICENCE TO FISH FOR SCIENTIFIC PURPOSES

S-18/19-1028-NU

Pursuant to Section 52 of the Fishery (General) Regulations, the Minister of Fisheries and Oceans hereby authorizes the individual(s) listed below to fish for scientific purposes, subject to the conditions specified.

Project Authority: Philippe Rouget
3795 Carey Road 2nd floor
Victoria, BC, CA V8Z 6T8
Golder Associates Ltd.

Other Personnel: John Sherrin; Daniel Vicente; Andrew Rippington; Arman Ospan; Mitch Firman; Erin Linn; Sarah Proctor; Andy Clark; Patricia Tomliens; Robert Hollingshead; Additional field staff from Pond Inlet (names to be determined). These individuals will be under the supervision of the above staff.

Objectives: Baffinland 2018 Marine Ecological Effects Monitoring Program and Marine Habitat Offset Monitoring Program

The Project objectives are to conduct sampling to adhere to the terms and conditions of Baffinland to operate the Mary River Mine and Port Facility in Milne Inlet including :

1. To assess the effectiveness of fish offsetting measures in relation to the construction of the Milne ore dock.
2. To collect marine data for the Marine Ecological Effects Monitoring Program and Marine Habitat Offset Monitoring Program regulatory requirements.

CONDITIONS

Specified Conditions:

Sampling will be conducted from Milne Inlet (Baffinland's Port Facility) to Ragged Island (Mouth of Tremblay Sound)

Samples may also be captured using Fukui traps. Dead samples will be only taken from incidental mortalities, no fish will be killed for sampling purposes.

Waters:

Water Body: Milne Inlet
Point A: 72° 20' N, 80° 30' W

Species: Sculpin, Ribbed

Gear: 10 MM Mesh Gillnets and Larger
Fyke Nets
Jigging
Minnow Trap
Seine
Trolling

Total Weight	Weight Live	Weight Dead	Number Alive	Number Dead	Number Tows	Number Sets	Hours	Minutes
			500	100				

Water Body: Milne Inlet
Point A: 72° 20' N, 80° 30' W

Species: Sculpin, Fourhorn

Gear: 10 MM Mesh Gillnets and Larger



Species:

Gear: Fyke Nets
Jigging
Minnow Trap
Seine
Trolling

Total Weight	Weight Live	Weight Dead	Number Alive	Number Dead	Number Tows	Number Sets	Hours	Minutes
			500	100				

Water Body: Milne Inlet
Point A: 72° 20' N, 80° 30' W

Species: Spiny Lump sucker

Gear: 10 MM Mesh Gillnets and Larger
Fyke Nets
Jigging
Minnow Trap
Seine
Trolling

Total Weight	Weight Live	Weight Dead	Number Alive	Number Dead	Number Tows	Number Sets	Hours	Minutes
			500	100				

Water Body: Milne Inlet
Point A: 72° 20' N, 80° 30' W

Species: Cod, Greenland

Gear: 10 MM Mesh Gillnets and Larger
Fyke Nets
Jigging
Minnow Trap
Seine
Trolling

Total Weight	Weight Live	Weight Dead	Number Alive	Number Dead	Number Tows	Number Sets	Hours	Minutes
			500	100				

Water Body: Admiralty Inlet
Point A: 69° 28' N, 101° 10' W

Species: Sculpin, Fourhorn

Gear: 10 MM Mesh Gillnets and Larger
Fyke Nets
Jigging
Minnow Trap
Seine
Trolling

Total Weight	Weight Live	Weight Dead	Number Alive	Number Dead	Number Tows	Number Sets	Hours	Minutes
			500	100				

Water Body: Milne Inlet
Point A: 72° 20' N, 80° 30' W

Species: Benthos

Gear: Ponar dredge



Species:

Gear: Van Veen Grab

Total Weight	Weight Live	Weight Dead	Number Alive	Number Dead	Number Tows	Number Sets	Hours	Minutes
			3000	400				

Water Body: Milne Inlet
Point A: 72° 20' N, 80° 30' W

Species: Arctic Char (Searun)

Gear: 10 MM Mesh Gillnets and Larger
Fyke Nets
Jigging
Minnow Trap
Seine
Trolling

Total Weight	Weight Live	Weight Dead	Number Alive	Number Dead	Number Tows	Number Sets	Hours	Minutes
			500	100				

Water Body: Milne Inlet
Point A: 72° 20' N, 80° 30' W

Species: Cod, Arctic

Gear: 10 MM Mesh Gillnets and Larger
Fyke Nets
Jigging
Minnow Trap
Seine
Trolling

Total Weight	Weight Live	Weight Dead	Number Alive	Number Dead	Number Tows	Number Sets	Hours	Minutes
			500	100				

Water Body: Milne Inlet
Point A: 72° 20' N, 80° 30' W

Species: Sculpin, Arctic Staghorn

Gear: 10 MM Mesh Gillnets and Larger
Fyke Nets
Jigging
Minnow Trap
Seine
Trolling

Total Weight	Weight Live	Weight Dead	Number Alive	Number Dead	Number Tows	Number Sets	Hours	Minutes
			500	100				

Water Body: Milne Inlet
Point A: 72° 20' N, 80° 30' W

Species: Sculpin, Shorthorn

Gear: 10 MM Mesh Gillnets and Larger
Fyke Nets
Jigging
Minnow Trap
Seine



Species:

Gear: Trolling

Total Weight	Weight Live	Weight Dead	Number Alive	Number Dead	Number Tows	Number Sets	Hours	Minutes
			500	100				

Water Body: Milne Inlet
Point A: 72° 20' N, 80° 30' W

Species: Sand Lance

Gear: 10 MM Mesh Gillnets and Larger
Fyke Nets
Jigging
Minnow Trap
Seine
Trolling

Total Weight	Weight Live	Weight Dead	Number Alive	Number Dead	Number Tows	Number Sets	Hours	Minutes
			500	100				

Water Body: Milne Inlet
Point A: 72° 20' N, 80° 30' W

Species: Aquatic Invertebrates (various)

Gear: Ponar dredge
Van Veen Grab

Total Weight	Weight Live	Weight Dead	Number Alive	Number Dead	Number Tows	Number Sets	Hours	Minutes
			200	100				

Fishing Period: July 23, 2018 to August 07, 2018

A copy of this licence must be available at the study site and produced at the request of a fishery officer.

Live fish may not be retained unless specified in the conditions of this licence.

The licence holder shall immediately cease fishing when the total fish killed or live sampled reaches any of the maximums set for any of the species listed.

Transportation:

Other approvals/permits may be necessary to collect or transport certain species, such as Marine Mammal Transportation Permits. For marine mammal parts, products and derivatives a Marine Mammal Transportation Licence is required for domestic transport and, for international transport a Canadian CITES Export Permit is also required.

Disposal of Fish Caught:

Fish not required for the purpose of dead sampling and/or retention MUST be returned to the water at the site of capture. Retained fish may be made available to the nearest settlement for domestic consumption or sold commercially within the Territory. Any dead fish for commercial sale beyond the Territory in which it was caught requires authorization under the Fish Inspection Regulations. Disposal of any fish remains must be in accordance with local land use regulations.



Report on Activities:

The Project Authority will submit to the License Delivery Officer, Department of Fisheries and Oceans, within one month of the expiry date, a report stating:

- i) whether or not the field work was conducted; and if conducted
- ii) waterbody location, fishing coordinates, gear types used at each coordinate, numbers or amount of fish (by species) collected and/or marked and the date or period of collection.

A Summary Harvest Report template is provided by the License Delivery Officer at time of issuance of this licence .

The Project Authority also will provide a copy of any published or public access documents which result from the project . Information supplied will be used for population management purposes by the Department of Fisheries and Oceans and becomes part of the public record.

All documents should be sent to:

Fisheries and Oceans Canada
Northern Operations
Central and Arctic Region
P.O. Box 358
Iqaluit, NU X0A 0H0

Attention: License Delivery Officer

Telephone: (867) 979-8005
Fax: (867) 979-8039
E-mail: XCNA-NT-NUpermit@dfo-mpo.gc.ca

Notification of Commencement:

Prior to the commencement of fishing the Project Authority will contact:

Fisheries and Oceans Canada
Northern Operations
Central and Arctic Region
P.O. Box 358
Iqaluit, NU X0A 0H0

Attention: License Delivery Officer

Telephone: (867) 979-8005
Fax: (867) 979-8039
E-mail: XCNA-NT-NUpermit@dfo-mpo.gc.ca

Larry Dow
Director, Northern Operations
Central and Arctic Region
Fisheries and Oceans Canada

July 18, 2018

Date

For the Minister of Fisheries and Oceans.
Pursuant to Section 52 of the Fishery (General) Regulations.

**ANNEXE G-2
2018 MEEMP Fish Data**

Fishing Method	Site #	Date	Species ¹	Weight (g) ²	Length (mm) ²	Sex ²	Life Stage ²
Angling	AN-02	20-Aug-18	SHSC	272	260	-	-
	AN-02	20-Aug-18	SHSC	244	275	-	-
	AN-01	10-Aug-18	-	-	-	-	-
	AN-02	20-Aug-18	SHSC	261	250	-	-
	AN-02	20-Aug-18	SHSC	325	500	-	-
	AN-03	21-Aug-18	SHSC	261	250	-	-
	AN-03	21-Aug-18	FHSC	191	125	-	-
	AN-04	21-Aug-18	-	-	-	-	-
	AN-05	25-Aug-18	SHSC	388	825	-	A
	AN-06	25-Aug-18	-	-	-	-	-
	AN-07	26-Aug-18	SHSC	218	175	M	A
	AN-08	26-Aug-18	-	-	-	-	-
	AN-09	26-Aug-18	-	-	-	-	-
	AN-10	27-Aug-18	FHSC	248	175	-	-
	AN-11	27-Aug-18	FHSC	296	300	-	-
AN-11	27-Aug-18	FHSC	270	260	-	-	
AN-11	27-Aug-18	ARSC	104	16	-	J	
AN-12	27-Aug-18	-	-	-	-	-	
AN-13	27-Aug-18	FHSC	245	130	-	-	
Fukui Trap	FT-01	10-Aug-18	Urchin	-	-	-	-
	FT-01	10-Aug-18	Crinoid	-	-	-	-
	FT-01	10-Aug-18	Urchin	-	-	-	-
	FT-01	10-Aug-18	Urchin	-	-	-	-
	FT-01	10-Aug-18	Urchin	-	-	-	-
	FT-01	10-Aug-18	Scallop	-	-	-	-
	FT-01	10-Aug-18	-	-	-	-	-
	FT-02	10-Aug-18	Urchin	-	-	-	-
	FT-02	10-Aug-18	Urchin	-	-	-	-
	FT-02	10-Aug-18	Brittle star	-	-	-	-
	FT-02	10-Aug-18	Scallop	-	-	-	-
	FT-02	10-Aug-18	Shrimp	-	-	-	-
	FT-02	10-Aug-18	Shrimp	-	-	-	-
	FT-02	10-Aug-18	Shrimp	-	-	-	-
	FT-02	10-Aug-18	Snail	-	-	-	-
	FT-03	10-Aug-18	-	-	-	-	-
	FT-04	10-Aug-18	-	-	-	-	-
	FT-05	17-Aug-18	-	-	-	-	-
	FT-06	17-Aug-18	ARSC	70	-	-	-
	FT-06	17-Aug-18	FHSC	312	350	-	-
	FT-07	17-Aug-18	-	-	-	-	-
FT-08	17-Aug-18	FHSC	163	100	-	-	
FT-09	21-Aug-18	-	-	-	-	-	
FT-10	21-Aug-18	NRSN	158	-	-	-	
FT-11	25-Aug-18	-	-	-	-	-	
GN	GN-01	29-Jul-18	ARCH	674	3100	-	-
	GN-01	29-Jul-18	ARCH	630	2800	-	-
	GN-01	29-Jul-18	ARCH	530	1700	-	-
	GN-01	29-Jul-18	FHSC	182	41	-	-
	GN-02	30-Jul-18	FHSC	258	203	-	-
	GN-02	30-Jul-18	SHSC	258	182	-	-
	GN-02	30-Jul-18	FHSC	208	135	-	-
	GN-02	30-Jul-18	ARCH	528	1750	-	-
	GN-02	30-Jul-18	ARCH	584	2130	-	-
	GN-02	30-Jul-18	ARCH	633	3050	-	-
	GN-02	30-Jul-18	SHSC	249	169	-	-
	GN-02	30-Jul-18	SHSC	242	153	-	-
	GN-03	30-Jul-18	ARCH	322	405	-	-
	GN-03	30-Jul-18	ARCH	296	251	-	-
	GN-03	30-Jul-18	ARCH	406	748	-	-
	GN-03	30-Jul-18	ARCH	644	2900	-	-
	GN-03	30-Jul-18	ARCH	475	1400	-	-
	GN-03	30-Jul-18	ARCH	529	1680	-	-
	GN-03	30-Jul-18	ARCH	466	1200	-	-
	GN-04	30-Jul-18	ARCH	620	2610	-	-
	GN-04	30-Jul-18	ARCH	639	2840	-	-
	GN-04	30-Jul-18	ARCH	240	143	-	-
	GN-04	30-Jul-18	ARCH	239	115	-	-

**ANNEXE G-2
2018 MEEMP Fish Data**

Fishing Method	Site #	Date	Species ¹	Weight (g) ²	Length (mm) ²	Sex ²	Life Stage ²
	GN-04	30-Jul-18	ARCH	238	118	-	-
	GN-04	30-Jul-18	ARCH	308	282	-	-
	GN-04	30-Jul-18	ARCH	254	141	-	-
	GN-04	30-Jul-18	ARCH	220	44	-	-
	GN-04	30-Jul-18	ARCH	252	148	-	-
	GN-04	30-Jul-18	ARCH	234	115	-	-
	GN-04	30-Jul-18	ARCH	222	110	-	-
	GN-04	30-Jul-18	ARCH	241	132	-	-
	GN-04	30-Jul-18	ARCH	298	241	-	-
	GN-04	30-Jul-18	ARCH	242	134	-	-
	GN-04	30-Jul-18	ARCH	244	142	-	-
	GN-04	30-Jul-18	ARCH	253	190	-	-
	GN-04	30-Jul-18	ARCH	241	141	-	-
	GN-04	30-Jul-18	FHSC	208	98	-	-
	GN-04	30-Jul-18	ARCH	441	920	-	-
	GN-04	30-Jul-18	ARCH	446	1035	-	-
	GN-04	30-Jul-18	ARCH	400	655	-	-
	GN-04	30-Jul-18	SHSC	315	450	-	-
	GN-04	30-Jul-18	SHSC	272	245	-	-
	GN-04	30-Jul-18	SHSC	244	320	-	-
	GN-04	30-Jul-18	SHSC	252	318	-	-
	GN-04	30-Jul-18	FHSC	256	62	-	-
	GN-04	30-Jul-18	FHSC	304	251	-	-
	GN-05	30-Jul-18	-	-	-	-	-
	GN-06	30-Jul-18	ARCH	770	4350	-	-
	GN-06	30-Jul-18	ARCH	420	748	-	-
	GN-06	30-Jul-18	FHSC	181	60	-	-
	GN-06	30-Jul-18	ARCH	162	41	-	-
	GN-06	30-Jul-18	ARCH	619	2610	-	-
	GN-06	30-Jul-18	ARCH	536	1610	-	-
	GN-06	30-Jul-18	ARCH	440	920	-	-
	GN-06	30-Jul-18	ARCH	220	101	-	-
	GN-07	02-Aug-18	ARCH	538	1750	-	-
	GN-07	02-Aug-18	ARCH	510	1510	-	-
	GN-07	02-Aug-18	ARCH	481	1250	-	-
	GN-07	02-Aug-18	FHSC	263	172	-	-
	GN-07	02-Aug-18	FHSC	122	-	-	-
	GN-07	02-Aug-18	ARCH	464	950	-	-
	GN-07	02-Aug-18	ARCH	330	315	-	-
	GN-07	02-Aug-18	ARCH	275	192	-	-
	GN-07	02-Aug-18	FHSC	226	103	-	-
	GN-07	02-Aug-18	FHSC	230	107	-	-
	GN-07	02-Aug-18	FHSC	232	111	-	-
	GN-07	02-Aug-18	FHSC	160	42	-	-
	GN-07	02-Aug-18	ARCH	375	595	-	-
	GN-07	02-Aug-18	ARCH	360	536	-	-
	GN-07	02-Aug-18	ARCH	367	493	-	-
	GN-07	02-Aug-18	ARCH	454	1040	-	-
	GN-07	02-Aug-18	SHSC	246	189	-	-
	GN-07	02-Aug-18	FHSC	244	151	-	-
	GN-07	02-Aug-18	FHSC	212	90	-	-
	GN-07	02-Aug-18	FHSC	222	113	-	-
	GN-07	02-Aug-18	FHSC	248	164	-	-
	GN-07	02-Aug-18	FHSC	233	115	-	-
	GN-07	02-Aug-18	SHSC	201	86	-	-
	GN-07	02-Aug-18	SHSC	186	63	-	-
	GN-07	02-Aug-18	ARCH	383	622	-	-
	GN-07	02-Aug-18	ARCH	743	3890	-	-
	GN-07	02-Aug-18	ARCH	356	1074	-	-
	GN-07	02-Aug-18	ARCH	482	1251	-	-
	GN-07	02-Aug-18	ARCH	503	1293	-	-
	GN-07	02-Aug-18	ARCH	390	635	-	-
	GN-07	02-Aug-18	SHSC	291	264	-	-
	GN-07	02-Aug-18	SHSC	253	180	-	-
	GN-07	02-Aug-18	SHSC	236	158	-	-
	GN-08	02-Aug-18	ARCH	572	2250	-	-
	GN-08	02-Aug-18	ARCH	426	751	-	-
	GN-08	02-Aug-18	ARCH	470	1120	-	-
	GN-08	02-Aug-18	SHSC	262	233	-	-

**ANNEXE G-2
2018 MEEMP Fish Data**

Fishing Method	Site #	Date	Species¹	Weight (g)²	Length (mm)²	Sex²	Life Stage²
	GN-08	02-Aug-18	ARCH	506	1420	-	-
	GN-08	02-Aug-18	ARCH	466	930	-	-
	GN-08	02-Aug-18	FHSC	192	81	-	-
	GN-08	02-Aug-18	FHSC	280	242	-	-
	GN-08	02-Aug-18	FHSC	276	81	-	-
	GN-08	02-Aug-18	SHSC	220	101	-	-
	GN-08	02-Aug-18	FHSC	210	108	-	-
	GN-08	02-Aug-18	FHSC	290	288	-	-
	GN-08	02-Aug-18	FHSC	260	206	-	-
	GN-08	02-Aug-18	SHSC	212	125	-	-
	GN-08	02-Aug-18	ARCH	524	1700	-	-
	GN-08	02-Aug-18	SHSC	222	140	-	-
	GN-08	02-Aug-18	FHSC	290	223	-	-
	GN-08	02-Aug-18	FHSC	286	315	-	-
	GN-08	02-Aug-18	SHSC	266	212	-	-
	GN-08	02-Aug-18	FHSC	266	235	-	-
	GN-08	02-Aug-18	SHSC	266	130	-	-
	GN-08	02-Aug-18	ARSC	400	680	-	-
	GN-08	02-Aug-18	SHSC	342	490	-	-
	GN-08	02-Aug-18	SHSC	280	240	-	-
	GN-08	02-Aug-18	UKSC	240	210	-	-
	GN-08	02-Aug-18	SHSC	304	325	-	-
	GN-08	02-Aug-18	SHSC	246	175	-	-
	GN-08	02-Aug-18	FHSC	272	190	-	-
	GN-08	02-Aug-18	SHSC	262	230	-	-
	GN-08	02-Aug-18	SHSC	266	215	-	-
	GN-08	02-Aug-18	ARCH	420	745	-	-
	GN-08	02-Aug-18	SHSC	392	760	-	-
	GN-08	02-Aug-18	FHSC	290	230	-	-
	GN-08	02-Aug-18	ARCH	480	1220	-	-
	GN-08	02-Aug-18	ARCH	676	3420	-	-
	GN-08	02-Aug-18	ARCH	422	750	-	-
	GN-08	02-Aug-18	ARCH	416	750	-	-
	GN-08	02-Aug-18	SHSC	154	42	-	-
	GN-08	02-Aug-18	ARCH	490	1150	-	-
	GN-08	02-Aug-18	FHSC	282	272	-	-
	GN-08	02-Aug-18	ARCH	520	1480	-	-
	GN-08	02-Aug-18	FHSC	262	180	-	-
	GN-08	02-Aug-18	FHSC	254	190	-	-
	GN-08	02-Aug-18	FHSC	296	260	-	-
	GN-08	02-Aug-18	FHSC	270	180	-	-
	GN-08	02-Aug-18	SHSC	240	170	-	-
	GN-08	02-Aug-18	SHSC	252	180	-	-
	GN-08	02-Aug-18	ARCH	330	160	-	-
	GN-09	04-Aug-18	ARCH	626	2700	-	-
	GN-09	04-Aug-18	FHSC	204	151	-	-
	GN-09	04-Aug-18	ARCH	504	1510	-	-
	GN-09	04-Aug-18	FHSC	254	140	-	-
	GN-09	04-Aug-18	FHSC	262	210	-	-
	GN-09	04-Aug-18	FHSC	240	170	-	-
	GN-09	04-Aug-18	ARCH	522	1340	-	-
	GN-09	04-Aug-18	ARCH	502	1500	-	-
	GN-09	04-Aug-18	ARCH	350	400	-	-
	GN-09	04-Aug-18	ARCH	460	1050	-	-
	GN-09	04-Aug-18	ARCH	442	950	-	-
	GN-09	04-Aug-18	ARCH	450	960	-	-
	GN-09	04-Aug-18	ARCH	446	520	-	-
	GN-09	04-Aug-18	FHSC	190	60	-	-
	GN-09	04-Aug-18	ARCH	420	810	-	-
	GN-09	04-Aug-18	ARCH	444	850	-	-
	GN-09	04-Aug-18	FHSC	230	80	-	-
	GN-09	04-Aug-18	FHSC	162	37	-	-
	GN-09	04-Aug-18	ARCH	510	1600	-	-
	GN-10	04-Aug-18	ARCH	582	2510	-	-
	GN-10	04-Aug-18	ARCH	450	850	-	-
	GN-10	04-Aug-18	SHSC	260	210	-	-
	GN-10	04-Aug-18	SHSC	275	270	-	-
	GN-10	04-Aug-18	SHSC	266	220	-	-
	GN-10	04-Aug-18	SHSC	224	110	-	-

**ANNEXE G-2
2018 MEEMP Fish Data**

Fishing Method	Site #	Date	Species ¹	Weight (g) ²	Length (mm) ²	Sex ²	Life Stage ²
Gill Net	GN-10	04-Aug-18	ARCO	282	180	-	-
	GN-10	04-Aug-18	FHSC	302	240	-	-
	GN-10	04-Aug-18	SHSC	180	70	-	-
	GN-11	04-Aug-18	SHSC	270	240	-	-
	GN-11	04-Aug-18	SHSC	242	190	-	-
	GN-11	04-Aug-18	ARCH	470	1200	-	-
	GN-11	04-Aug-18	ARCH	776	4460	-	-
	GN-11	04-Aug-18	ARCH	690	3350	-	-
	GN-11	04-Aug-18	ARCH	466	890	-	-
	GN-11	04-Aug-18	ARCH	390	600	-	-
	GN-11	04-Aug-18	ARCH	450	450	-	-
	GN-11	04-Aug-18	SHSC	362	730	-	-
	GN-11	04-Aug-18	SHSC	200	90	-	-
	GN-11	04-Aug-18	FHSC	216	100	-	-
	GN-11	04-Aug-18	SHSC	180	50	-	-
	GN-11	04-Aug-18	SHSC	142	31	-	-
	GN-11	04-Aug-18	FHSC	256	210	-	-
	GN-12	09-Aug-18	ARCH	390	700	-	-
	GN-12	09-Aug-18	ARCH	448	1050	-	-
	GN-12	09-Aug-18	ARCH	486	1390	-	-
	GN-12	09-Aug-18	ARCH	300	310	-	-
	GN-12	09-Aug-18	ARCH	376	505	-	-
	GN-12	09-Aug-18	FHSC	198	81	-	-
	GN-12	09-Aug-18	ARCH	468	1160	-	-
	GN-12	09-Aug-18	ARCH	560	2390	-	-
	GN-12	09-Aug-18	ARCH	374	560	-	-
	GN-12	09-Aug-18	ARCH	396	700	-	-
	GN-12	09-Aug-18	ARCH	396	700	-	-
	GN-12	09-Aug-18	ARCH	312	280	-	-
	GN-12	09-Aug-18	ARCH	346	370	-	-
	GN-12	09-Aug-18	ARCH	368	540	-	-
	GN-12	09-Aug-18	ARCH	396	790	-	-
	GN-12	09-Aug-18	ARCH	380	570	-	-
	GN-12	09-Aug-18	ARCH	484	1395	-	-
	GN-12	09-Aug-18	ARCH	340	460	-	-
	GN-12	09-Aug-18	ARCH	370	605	-	-
	GN-12	09-Aug-18	ARCH	342	450	-	-
	GN-12	09-Aug-18	ARCH	394	540	-	-
	GN-12	09-Aug-18	ARCH	458	1050	-	-
	GN-12	09-Aug-18	ARCH	342	450	-	-
	GN-12	09-Aug-18	FHSC	220	120	-	-
	GN-12	09-Aug-18	SHSC	108	70	-	-
	GN-12	09-Aug-18	ARCH	400	720	-	-
	GN-13	09-Aug-18	ARCH	580	2350	-	-
	GN-13	09-Aug-18	ARCH	390	660	-	-
	GN-13	09-Aug-18	ARCH	370	530	-	-
	GN-13	09-Aug-18	ARCH	308	260	-	-
	GN-13	09-Aug-18	ARCH	434	980	-	-
	GN-13	09-Aug-18	ARCH	306	550	-	-
	GN-13	09-Aug-18	ARCH	460	1160	-	-
	GN-13	09-Aug-18	FHSC	186	70	-	-
	GN-13	09-Aug-18	FHSC	162	41	-	-
	GN-13	09-Aug-18	SHSC	168	35	-	-
	GN-13	09-Aug-18	FHSC	250	130	-	-
	GN-13	09-Aug-18	FHSC	252	140	-	-
	GN-13	09-Aug-18	SHSC	128	8	-	-
	GN-13	09-Aug-18	SHSC	114	5	-	-
GN-13	09-Aug-18	ARCH	530	1790	-	-	
GN-13	09-Aug-18	SHSC	260	210	-	-	
GN-13	09-Aug-18	SHSC	282	351	-	-	
GN-13	09-Aug-18	ARCH	560	1830	-	-	
GN-13	09-Aug-18	FHSC	162	41	-	-	
GN-13	09-Aug-18	FHSC	250	170	-	-	
GN-13	09-Aug-18	FHSC	230	105	-	-	
GN-13	09-Aug-18	SHSC	220	85	-	-	
GN-13	09-Aug-18	ARCH	486	1390	-	-	
GN-13	09-Aug-18	FHSC	242	91	-	-	
GN-13	09-Aug-18	ARCH	340	440	-	-	
GN-13	09-Aug-18	SHSC	152	40	-	-	

**ANNEXE G-2
2018 MEEMP Fish Data**

Fishing Method	Site #	Date	Species ¹	Weight (g) ²	Length (mm) ²	Sex ²	Life Stage ²
	GN-13	09-Aug-18	ARCH	350	440	-	-
	GN-13	09-Aug-18	ARCH	516	1495	-	-
	GN-13	09-Aug-18	ARCH	496	1330	-	-
	GN-14	12-Aug-18	ARCH	432	930	-	-
	GN-14	12-Aug-18	ARCH	400	690	-	-
	GN-14	12-Aug-18	ARCH	388	620	-	-
	GN-14	12-Aug-18	ARCH	298	270	-	-
	GN-14	12-Aug-18	ARCH	570	1940	-	-
	GN-14	12-Aug-18	ARCH	550	2070	-	-
	GN-14	12-Aug-18	ARCH	520	1620	-	-
	GN-14	12-Aug-18	ARCH	435	970	-	-
	GN-14	12-Aug-18	ARCH	402	710	-	-
	GN-14	12-Aug-18	FHSC	290	280	-	-
	GN-14	12-Aug-18	SHSC	188	52	-	-
	GN-14	12-Aug-18	SHSC	174	40	-	-
	GN-14	12-Aug-18	ARCH	536	1730	-	-
	GN-14	12-Aug-18	ARCH	360	480	-	-
	GN-14	12-Aug-18	ARCH	550	2020	-	-
	GN-14	12-Aug-18	SHSC	180	46	-	-
	GN-14	12-Aug-18	SHSC	166	40	-	-
	GN-14	12-Aug-18	FHSC	242	160	-	-
	GN-14	12-Aug-18	FHSC	270	230	-	-
	GN-14	12-Aug-18	FHSC	250	160	-	-
	GN-14	12-Aug-18	FHSC	220	110	-	-
	GN-14	12-Aug-18	SHSC	230	120	-	-
	GN-14	12-Aug-18	ARCH	543	-	-	-
	GN-14	12-Aug-18	ARCH	536	-	-	-
	GN-14	12-Aug-18	ARCH	460	-	-	-
	GN-14	12-Aug-18	ARCH	486	-	-	-
	GN-14	12-Aug-18	ARCH	487	-	-	-
	GN-14	12-Aug-18	ARCH	474	-	-	-
	GN-14	12-Aug-18	ARCH	643	-	-	-
	GN-14	12-Aug-18	ARCH	398	-	-	-
	GN-15	12-Aug-18	ARCH	536	1860	-	-
	GN-15	12-Aug-18	ARCH	456	1060	-	-
	GN-15	12-Aug-18	ARCH	490	1400	-	-
	GN-15	12-Aug-18	ARCH	366	495	-	-
	GN-15	12-Aug-18	ARCH	350	440	-	-
	GN-15	12-Aug-18	ARCH	692	2850	-	-
	GN-15	12-Aug-18	ARCH	436	880	-	-
	GN-15	12-Aug-18	FHSC	240	170	-	-
	GN-15	12-Aug-18	ARCH	691	-	-	-
	GN-15	12-Aug-18	ARCH	402	-	-	-
	GN-15	12-Aug-18	ARCH	346	-	-	-
	GN-15	12-Aug-18	ARCH	410	-	-	-
	GN-15	12-Aug-18	ARCH	354	-	-	-
	GN-16	12-Aug-18	ARCH	290	150	-	-
	GN-16	12-Aug-18	ARCH	398	610	-	-
	GN-16	12-Aug-18	ARCH	416	680	-	-
	GN-16	12-Aug-18	ARCH	466	1150	-	-
	GN-16	12-Aug-18	ARCH	478	1040	-	-
	GN-16	12-Aug-18	ARCH	430	840	-	-
	GN-16	12-Aug-18	FHSC	254	197	-	-
	GN-16	12-Aug-18	FHSC	220	43	-	-
	GN-16	12-Aug-18	FHSC	200	40	-	-
	GN-17	12-Aug-18	FHSC	212	71	-	-
	GN-17	12-Aug-18	FHSC	194	62	-	-
	GN-17	12-Aug-18	FHSC	232	112	-	-
	GN-17	12-Aug-18	FHSC	228	110	-	-
	GN-17	12-Aug-18	SHSC	140	7	-	-
	GN-17	12-Aug-18	SHSC	168	40	-	-
	GN-17	12-Aug-18	SHSC	170	33	-	-
	GN-17	12-Aug-18	SHSC	160	41	-	-
	GN-17	12-Aug-18	SHSC	200	70	-	-
	GN-17	12-Aug-18	FHSC	174	38	-	-
	GN-17	12-Aug-18	FHSC	170	40	-	-
	GN-17	12-Aug-18	FHSC	180	64	-	-
	GN-17	12-Aug-18	SHSC	182	60	-	-
	GN-17	12-Aug-18	FHSC	240	130	-	-

**ANNEXE G-2
2018 MEEMP Fish Data**

Fishing Method	Site #	Date	Species¹	Weight (g)²	Length (mm)²	Sex²	Life Stage²
	GN-17	12-Aug-18	FHSC	240	127	-	-
	GN-17	12-Aug-18	FHSC	240	141	-	-
	GN-17	12-Aug-18	FHSC	220	103	-	-
	GN-17	12-Aug-18	FHSC	250	180	-	-
	GN-17	12-Aug-18	FHSC	220	110	-	-
	GN-17	12-Aug-18	FHSC	238	130	-	-
	GN-17	12-Aug-18	FHSC	218	120	-	-
	GN-17	12-Aug-18	FHSC	212	110	-	-
	GN-17	12-Aug-18	FHSC	240	140	-	-
	GN-17	12-Aug-18	FHSC	240	140	-	-
	GN-18	20-Aug-18	FHSC	246	250	-	-
	GN-18	20-Aug-18	FHSC	206	150	-	-
	GN-18	20-Aug-18	ARCH	258	200	-	J
	GN-18	20-Aug-18	ARCH	185	60	-	J
	GN-19	20-Aug-18	FHSC	142	37	-	-
	GN-19	20-Aug-18	FHSC	170	57	-	-
	GN-20	21-Aug-18	-	-	-	-	-
	GN-21	25-Aug-18	SHSC	270	300	-	-
	GN-21	25-Aug-18	FHSC	156	25	-	-
	GN-21	25-Aug-18	FHSC	176	30	-	-
	GN-21	25-Aug-18	ARCH	749	5000	M	A
	GN-21	25-Aug-18	SHSC	272	275	-	-
	GN-21	25-Aug-18	FHSC	238	150	-	-
	GN-21	25-Aug-18	FHSC	220	100	-	-
	GN-22	25-Aug-18	SHSC	292	300	-	-
	GN-22	25-Aug-18	FHSC	212	90	-	-
	GN-22	25-Aug-18	SHSC	179	50	-	-
	GN-22	25-Aug-18	FHSC	160	50	-	-
	GN-23	26-Aug-18	ARCH	440	2350	-	-
	GN-23	26-Aug-18	FHSC	170	44	-	-
	GN-23	26-Aug-18	FHSC	210	100	-	-
	GN-23	26-Aug-18	FHSC	192	60	-	-
	GN-23	26-Aug-18	FHSC	163	38	-	-
	GN-23	26-Aug-18	FHSC	235	120	-	-
	GN-23	26-Aug-18	FHSC	126	110	-	-
	GN-23	26-Aug-18	FHSC	220	105	-	-
	GN-23	26-Aug-18	FHSC	212	125	-	-
	GN-23	26-Aug-18	FHSC	254	220	-	-
	GN-23	26-Aug-18	FHSC	226	90	-	-
	GN-23	26-Aug-18	FHSC	180	60	-	-
	GN-23	26-Aug-18	FHSC	234	110	-	-
	GN-23	26-Aug-18	FHSC	185	45	-	-
	GN-23	26-Aug-18	FHSC	169	47	-	-
	GN-23	26-Aug-18	SHSC	108	10	-	-
	GN-23	26-Aug-18	SHSC	209	75	-	-
	GN-23	26-Aug-18	FHSC	162	38	-	-
	GN-23	26-Aug-18	FHSC	152	35	-	-
	GN-23	26-Aug-18	FHSC	240	110	-	-
	GN-23	26-Aug-18	FHSC	260	220	-	-
	GN-23	26-Aug-18	FHSC	268	200	-	-
	GN-23	26-Aug-18	FHSC	251	125	-	-
	GN-23	26-Aug-18	FHSC	238	100	-	-
	GN-23	26-Aug-18	FHSC	249	150	-	-
	GN-23	26-Aug-18	FHSC	256	175	-	-
	GN-23	26-Aug-18	FHSC	230	125	-	-
	GN-23	26-Aug-18	FHSC	240	150	-	-
	GN-23	26-Aug-18	FHSC	216	100	-	-
	GN-23	26-Aug-18	FHSC	188	50	-	-
	GN-23	26-Aug-18	FHSC	168	41	-	-
	GN-23	26-Aug-18	FHSC	206	75	-	-
	GN-23	26-Aug-18	FHSC	272	175	-	-
	GN-23	26-Aug-18	FHSC	240	150	-	-
	GN-23	26-Aug-18	FHSC	275	200	-	-
	GN-23	26-Aug-18	FHSC	198	75	-	-
	GN-23	26-Aug-18	FHSC	213	80	-	-
	GN-23	26-Aug-18	FHSC	222	125	-	-
	GN-23	26-Aug-18	FHSC	242	100	-	-
	GN-23	26-Aug-18	FHSC	147	33	-	-
	GN-24	26-Aug-18	FHSC	246	100	-	-

**ANNEXE G-2
2018 MEEMP Fish Data**

Fishing Method	Site #	Date	Species ¹	Weight (g) ²	Length (mm) ²	Sex ²	Life Stage ²
	GN-24	26-Aug-18	FHSC	238	125	-	-
	GN-24	26-Aug-18	SHSC	152	35	-	-
	GN-24	26-Aug-18	FHSC	208	60	-	-
	GN-24	26-Aug-18	FHSC	205	50	-	-
	GN-24	26-Aug-18	FHSC	210	45	-	-
	GN-24	26-Aug-18	FHSC	158	39	-	-
	GN-24	26-Aug-18	FHSC	106	11	-	-
	GN-24	26-Aug-18	SHSC	81	7	-	-
	GN-24	26-Aug-18	FHSC	130	20	-	-
Seine Net	GN-24	26-Aug-18	FHSC	204	75	-	-
	SN-01	21-Aug-18	-	-	-	-	-
	SN-02	21-Aug-18	SHSC	76	-	-	-
	SN-03	21-Aug-18	-	-	-	-	-
	SN-04	26-Aug-18	SHSC	62	3	U	J
	SN-05	26-Aug-18	FHSC	62	2	U	J
	SN-05	26-Aug-18	FHSC	70	2	U	J
	SN-05	26-Aug-18	SHSC	61	2	U	J
	SN-05	26-Aug-18	SHSC	52	2	U	J
	SN-05	26-Aug-18	UKWN	-	-	U	F
	SN-06	26-Aug-18	FHSC	60	2	U	-
	SN-06	26-Aug-18	UKSC	34	-	U	J
	SN-06	26-Aug-18	UKSC	39	-	U	J

Notes:

¹Species Codes: ;ARCH = Arctic char; ARCO = Arctic Cod; ARSC = Arctic sculpin; FHSC = Fourhorn sculpin; SHSC = Shorthorn sculpin; NRSL = Northern sand lance; UKWN = Unknown species; UKSC = Unknown sculpin

²A = adult, F = fry, J = juvenile, M = male, U = unknown, (-) = no data

ANNEXE G-3
Fish Stomach Contents Data

Fish ID	Source	Taxonomic Group	Taxon¹	Stage	Abundance	Total WW (g)²	WW per individual (g)³
GN3-1	Planktonic	Arthropoda Calanoida	Calanoida indet.	Parts	n/a	0.43	0.432
	Benthic	Arthropoda Diptera	Diamesa sp.	Larvae	1	<0.01	0.001
	Benthic	Arthropoda Diptera	Diptera indet.	Larvae Parts	1	<0.01	<0.001
GN7-1	Planktonic	Arthropoda Calanoida	Calanoida indet.	Adult Parts	34	0.10	0.003
	Planktonic	Arthropoda Calanoida	Calanus hyperboreus	Adult	7	0.04	0.005
	Planktonic	Arthropoda Crustacea	Crustacea indet.	Parts	n/a	0.92	0.918
	Planktonic	Arthropoda Mysida	Mysis sp.	Adult Parts	112	0.54	0.005
GN7-2	Planktonic	Arthropoda Calanoida	Calanoida indet.	Adult Parts	15	0.05	0.003
	Planktonic	Arthropoda Calanoida	Calanus hyperboreus	Adult	2	0.03	0.013
	Planktonic	Arthropoda Crustacea	Crustacea indet.	Parts	n/a	0.66	0.656
	Epibenthic	Arthropoda Amphipoda	Lysianassoidea indet.	Adult Parts	3	0.02	0.008
	Planktonic	Arthropoda Mysida	Mysida indet.	Adult Parts	169	0.81	0.005
GN7-3	Planktonic	Arthropoda Calanoida	Calanoida indet.	Parts	n/a	0.01	0.014
	Planktonic	Arthropoda Calanoida	Calanus sp.	Adult Parts	3	<0.01	0.001
	Planktonic	Arthropoda Mysida	Mysida indet.	Adult Parts	10	0.04	0.004
GN7-4	Planktonic	Arthropoda Calanoida	Calanoida indet.	Adult Parts	28	0.06	0.002
	Planktonic	Arthropoda Calanoida	Calanus sp.	Adult Parts	2	0.01	0.005
	Planktonic	Arthropoda Crustacea	Crustacea indet.	Parts	n/a	0.14	0.141
	Planktonic	Arthropoda Mysida	Mysida indet.	Adult Parts	25	0.14	0.006
GN7-5	Planktonic	Arthropoda Calanoida	Calanoida indet.	Adult Parts	77	0.22	0.003
	Planktonic	Arthropoda Calanoida	Calanus sp.	Adult Parts	7	0.03	0.004
	Planktonic	Arthropoda Crustacea	Crustacea indet.	Parts	n/a	0.02	0.022
	Planktonic	Arthropoda Mysida	Mysida indet.	Adult Parts	65	0.32	0.005

ANNEXE G-3
Fish Stomach Contents Data

Fish ID	Source	Taxonomic Group	Taxon¹	Stage	Abundance	Total WW (g)²	WW per individual (g)³
GN7-6	Planktonic	Arthropoda Calanoida	Calanoida indet.	Parts	n/a	0.04	0.045
	Planktonic	Arthropoda Calanoida	Calanus sp.	Adult	1	0.01	0.011
	Planktonic	Chordata Scorpaeniformes	Cottidae indet.	Adult	1	0.85	0.853
	Planktonic	Arthropoda Crustacea	Crustacea indet.	Parts	n/a	0.67	0.672
	Epibenthic	Arthropoda Amphipoda	Lysianassoidea indet.	Adult	1	0.01	0.009
	Planktonic	Chordata Vertebrata	Pisces indet.	Juvenile	1	0.01	0.006
	Planktonic	Arthropoda Calanoida	Pseudocalanus sp.	Adult	3	0.02	0.005
GN7-7	Planktonic	Arthropoda Calanoida	Calanoida indet.	Adult Parts	14	0.08	0.005
	Planktonic	Arthropoda Mysida	Mysida indet.	Adult Parts	8	0.03	0.004
GN7-8	Planktonic	Arthropoda Calanoida	Calanoida indet.	Adult Parts	180	0.73	0.004
	Planktonic	Arthropoda Calanoida	Calanus glacialis	Adult	16	0.10	0.006
	Planktonic	Arthropoda Calanoida	Calanus hyperboreus	Adult	1	0.01	0.006
	Planktonic	Arthropoda Mysida	Mysida indet.	Adult Parts	164	0.78	0.005
GN7-9	Planktonic	Arthropoda Calanoida	Calanoida indet.	Adult Parts	35	0.10	0.003
	Planktonic	Arthropoda Calanoida	Calanus hyperboreus	Adult	1	0.01	0.006
	Planktonic	Arthropoda Crustacea	Crustacea indet.	Parts	n/a	0.61	0.611
	Planktonic	Arthropoda Mysida	Mysida indet.	Adult Parts	n/a	<0.01	0.003
GN7-10	Planktonic	Arthropoda Calanoida	Calanoida indet.	Adult Parts	63	0.20	0.003
	Planktonic	Arthropoda Calanoida	Calanus glacialis	Adult	7	0.03	0.004
	Planktonic	Arthropoda Calanoida	Calanus hyperboreus	Adult	1	<0.01	0.005
	Planktonic	Arthropoda Calanoida	Calanus sp.	Adult	1	<0.01	0.002
	Planktonic	Arthropoda Crustacea	Crustacea indet.	Parts	n/a	0.41	0.415
	Planktonic	Arthropoda Mysida	Mysida indet.	Adult Parts	21	0.08	0.004
	Planktonic	Arthropoda Mysida	Mysis sp.	Adult Parts	15	0.65	0.043
	Epibenthic	Arthropoda Amphipoda	Onisimus sp.	Adult	2	0.04	0.018
	Planktonic	Arthropoda Amphipoda	Themisto sp.	Adult Parts	10	0.10	0.010

ANNEXE G-3
Fish Stomach Contents Data

Fish ID	Source	Taxonomic Group	Taxon¹	Stage	Abundance	Total WW (g)²	WW per individual (g)³
GN8-2	Planktonic	Arthropoda Calanoida	Calanoida indet.	Parts	n/a	0.24	0.239
GN8-3	Planktonic	Arthropoda Mysida	Mysida indet.	Parts	n/a	0.04	0.006
GN8-4	Planktonic	Arthropoda Calanoida	Calanoida indet.	Adult Parts	154	0.29	0.002
	Planktonic	Arthropoda Calanoida	Calanus hyperboreus	Adult Parts	3	0.01	0.005
	Planktonic	Arthropoda Calanoida	Calanus sp.	Adult Parts	18	0.04	0.002
	Epibenthic	Arthropoda Amphipoda	Lysianassoidea indet.	Juvenile Parts	1	<0.01	0.001
	Planktonic	Arthropoda Mysida	Mysida indet.	Adult Parts	49	0.11	0.002
GN8-5	Planktonic	Arthropoda Calanoida	Calanoida indet.	Adult Parts	27	0.12	0.004
	Planktonic	Arthropoda Calanoida	Calanus hyperboreus	Adult Parts	1	0.01	0.007
	Planktonic	Arthropoda Calanoida	Calanus sp.	Adult Parts	3	0.01	0.002
	Planktonic	Arthropoda Decapoda	Caridea indet.	Megalopa	1	<0.01	0.003
	Planktonic	Arthropoda Crustacea	Crustacea indet.	Parts	n/a	0.06	0.060
	Planktonic	Arthropoda Mysida	Mysida indet.	Adult Parts	20	0.09	0.004
GN8-7	Planktonic	Arthropoda Calanoida	Calanoida indet.	Adult Parts	23	0.10	0.004
	Planktonic	Arthropoda Calanoida	Calanus hyperboreus	Adult Parts	2	0.01	0.007
	Planktonic	Arthropoda Calanoida	Calanus sp.	Adult Parts	2	<0.01	0.002
	Planktonic	Arthropoda Crustacea	Crustacea indet.	Parts	n/a	0.31	0.306
	Epibenthic	Arthropoda Amphipoda	Gammaroidea indet.	Adult	1	0.01	0.013
	Epibenthic	Arthropoda Amphipoda	Lysianassoidea indet.	Adult	3	0.14	0.046
	Planktonic	Arthropoda Mysida	Mysida indet.	Adult Parts	24	0.25	0.010
GN8-8	Planktonic	Arthropoda Calanoida	Calanus sp.	Adult Parts	6	0.02	0.003
	Benthic	Arthropoda Decapoda	Caridea indet.	Intermediate Parts	1	0.06	0.062
	Planktonic	Arthropoda Crustacea	Crustacea indet.	Parts	n/a	1.44	1.442
	Planktonic	Arthropoda Mysida	Mysida indet.	Adult Parts	45	0.24	0.005
GN8-9	Planktonic	Arthropoda Calanoida	Calanoida indet.	Parts	n/a	0.01	0.014
	Planktonic	Arthropoda Crustacea	Crustacea indet.	Parts	n/a	0.06	0.059

ANNEXE G-3
Fish Stomach Contents Data

Fish ID	Source	Taxonomic Group	Taxon¹	Stage	Abundance	Total WW (g)²	WW per individual (g)³
GN8-10	Planktonic	Arthropoda Calanoida	Calanoida indet.	Adult Parts	104	0.15	0.001
	Planktonic	Arthropoda Calanoida	Calanus hyperboreus	Adult	3	0.01	0.004
	Planktonic	Arthropoda Calanoida	Calanus sp.	Adult	6	0.02	0.003
	Planktonic	Arthropoda Crustacea	Crustacea indet.	Parts	n/a	0.24	0.242
	Planktonic	Arthropoda Isopoda	Isopoda indet.	Cryptoniscid	2	<0.01	<0.001
	Epibenthic	Arthropoda Amphipoda	Lysianassoidea indet.	Adult	2	0.01	0.003
	Epibenthic	Arthropoda Amphipoda	Lysianassoidea indet.	Juvenile	1	<0.01	<0.001
	Planktonic	Arthropoda Mysida	Mysida indet.	Adult Parts	72	0.16	0.002
GN8-11	Planktonic	Arthropoda Calanoida	Calanoida indet.	Adult Parts	35	0.10	0.003
	Planktonic	Arthropoda Calanoida	Calanus sp.	Adult	4	0.03	0.006
	Planktonic	Arthropoda Crustacea	Crustacea indet.	Parts	n/a	0.56	0.560
	Epibenthic	Arthropoda Amphipoda	Gammarus sp.	Adult Parts	1	0.03	0.034
	Epibenthic	Arthropoda Amphipoda	Lysianassoidea indet.	Juvenile Parts	5	0.01	0.002
	Planktonic	Arthropoda Mysida	Mysida indet.	Adult Parts	133	0.48	0.004
	Epibenthic	Arthropoda Amphipoda	Onisimus sp.	Adult Parts	7	0.17	0.024
GN8-12	Planktonic	Arthropoda Calanoida	Calanoida indet.	Adult Parts	27	0.09	0.003
	Planktonic	Arthropoda Calanoida	Calanus sp.	Adult	13	0.07	0.005
	Planktonic	Arthropoda Crustacea	Crustacea indet.	Parts	n/a	0.71	0.715
	Planktonic	Arthropoda Mysida	Mysida indet.	Adult Parts	76	0.29	0.004
	Planktonic	Chordata Vertebrata	Pisces indet.	Larvae	1	<0.01	0.004
GN12-1	Planktonic	Arthropoda Calanoida	Calanus sp.	Adult Parts	3	0.02	0.006
	Planktonic	Arthropoda Crustacea	Crustacea indet.	Parts	n/a	0.97	0.969
	Planktonic	Arthropoda Mysida	Mysida indet.	Adult Parts	12	0.05	0.004
	Planktonic	Arthropoda Amphipoda	Themisto sp.	Juvenile Parts	192	5.19	0.027
GN12-2	Planktonic	Arthropoda Decapoda	Caridea indet.	Megalopa	1	0.01	0.005
	Planktonic	Arthropoda Crustacea	Crustacea indet.	Parts	n/a	2.20	2.202
	Epibenthic	Arthropoda Amphipoda	Onisimus sp.	Adult Parts	15	0.41	0.027
	Planktonic	Arthropoda Amphipoda	Themisto sp.	Juvenile Parts	356	7.57	0.021

ANNEXE G-3
Fish Stomach Contents Data

Fish ID	Source	Taxonomic Group	Taxon¹	Stage	Abundance	Total WW (g)²	WW per individual (g)³
GN12-3	Planktonic	Arthropoda Calanoida	Calanus sp.	Adult Parts	4	0.03	0.008
	Planktonic	Arthropoda Crustacea	Crustacea indet.	Parts	n/a	6.09	6.087
	Epibenthic	Arthropoda Amphipoda	Lysianassoidea indet.	Juvenile Parts	4	0.16	0.039
	Planktonic	Arthropoda Mysida	Mysida indet.	Adult Parts	26	0.32	0.012
	Planktonic	Arthropoda Mysida	Mysis sp.	Adult Parts	6	0.37	0.062
	Epibenthic	Arthropoda Amphipoda	Onisimus sp.	Adult Parts	15	0.40	0.026
	Planktonic	Arthropoda Amphipoda	Themisto libellula	Adult Parts	2	0.40	0.198
	Planktonic	Arthropoda Amphipoda	Themisto sp.	Juvenile Parts	192	3.91	0.020

Notes:

¹ Taxon, indet = indeterminate

² Abundance is the Total Number of individuals

³ WW = wet weight (g)

Abbreviations & Definitions
Worksheets:

1. Abbreviations & Definitions
2. Data Long-Whole Fish
3. Data Long-Fish Stomachs

Raw data from fish dissections and otolith aging.
Abundance and biomass data for fish stomach contents.

Abundance Data:

Benthic	Organisms found in the sediment of aquatic habitats
Epibenthic	Organisms found on and in the surface sediment including some sub-surface layers
Non-Food	Items not considered food, organic and inorganic (not weighed)
Parasite	Parasitic organism found in host
Planktonic	Organisms found in the water column
Semi-Terrestrial	Organisms found in both aquatic and terrestrial environments
Surface dweller	Organisms found on the surface of the water/may dive in to the water as well
Terrestrial	Terrestrial organisms
Undetermined	Digested tissue or fragments that are unidentifiable and therefore, unable to determine whether it is benthic or planktonic
A	Adult
Int	Intermediate - has adult features but not of typical reproductive size
J	Juvenile
L	Larvae
N	Nymph
P	Pupa
Col	Colony
Deut	Deutonymph

Major Taxonomic Groups:

EPT Ephemeroptera, Plecoptera, Trichoptera

Miscellaneous

AMPH	Amphibia
BRYO	Bryozoa
CNHY	Cnidaria Hydrozoa
CNXX	Cnidaria
NTEA	Nemertea
PIXX	Pisces
PLTY	Platyhelminthes
PORI	Porifera
ROTI	Rotifera
TARD	Tardigrada
EGGS	Invertebrate eggs

Annelida

ANHI	Annelida Hirudinea
ANOL	Annelida Oligochaeta
ANXX	Annelida

Arthropoda

CHAR	Chelicerata Arachnida
CHXX	Chelicerata
CRAM	Crustacea Amphipoda
CRCL	Crustacea Cladocera
CRCO	Crustacea Copepoda
CRCU	Crustacea Cumacea
CRIS	Crustacea Isopoda
CRMY	Crustacea Mysidacea
CROS	Crustacea Ostracoda
CRXX	Crustacea

Insecta

INCM	Insecta Collembola
INCO	Insecta Coleoptera
INDI	Insecta Diptera
INEP	Insecta Ephemeroptera
INHM	Insecta Hemiptera
INHY	Insecta Hymenoptera
INLE	Insecta Lepidoptera
INMG	Insecta Megaloptera
INOD	Insecta Odonata
INPL	Insecta Plecoptera
INTR	Insecta Tricoptera
INXX	Insecta

Mollusca

MOBI	Mollusca Bivalvia
MOGA	Mollusca Gastropoda
MOXX	Mollusca

Raw data from fish dissections and otolith aging for Golder Baffinlands Fish 2018.

Client	Project	Year	Sample Type	Client ID	Date Sampled	Biologica Sample #	Fork Length (cm)	Weight (kg)	Sex	Otolith Age (years)	Lesions	Tumors	Tissue Extracted for Metals	Stomach Dissected	Otoliths Removed	Note
Golder	Baffinlands	2018	Whole Fish	GN-3	30-Jul-18	ms18-108-001	40.6	0.62	Female	12	n/a	n/a	yes	yes	L+R	
Golder	Baffinlands	2018	Whole Fish	GN-7-1	02-Aug-18	ms18-108-002	36.3	0.50	Male	5	n/a	n/a	yes	yes	L+R	
Golder	Baffinlands	2018	Whole Fish	GN-7-2	02-Aug-18	ms18-108-003	37.4	0.48	Male	11	n/a	n/a	yes	yes	L+R	
Golder	Baffinlands	2018	Whole Fish	GN-7-3	02-Aug-18	ms18-108-004	33.8	0.31	Male	12	n/a	n/a	yes	yes	L	
Golder	Baffinlands	2018	Whole Fish	GN-7-4	02-Aug-18	ms18-108-005	48.0	1.25	Male	13	n/a	n/a	yes	yes	L+R	
Golder	Baffinlands	2018	Whole Fish	GN-7-5	02-Aug-18	ms18-108-006	45.7	1.03	Female	13	n/a	n/a	yes	yes	L+R	
Golder	Baffinlands	2018	Whole Fish	GN-7-6	02-Aug-18	ms18-108-007	26.7	0.17	Female	11	n/a	n/a	yes	yes	L+R	
Golder	Baffinlands	2018	Whole Fish	GN-7-7	02-Aug-18	ms18-108-008	37.8	0.58	Male	12	n/a	n/a	yes	yes	L+R	
Golder	Baffinlands	2018	Whole Fish	GN-7-8	02-Aug-18	ms18-108-009	45.7	1.12	Female	14	n/a	n/a	yes	yes	L+R	
Golder	Baffinlands	2018	Whole Fish	GN-7-9	02-Aug-18	ms18-108-010	34.3	0.55	Female	9	n/a	n/a	yes	yes	L+R	
Golder	Baffinlands	2018	Whole Fish	GN-7-10	02-Aug-18	ms18-108-011	50.8	1.47	Female	9	n/a	n/a	yes	yes	L+R	
Golder	Baffinlands	2018	Whole Fish	GN-8-1	03-Aug-18	ms18-108-012	39.9	0.69	Female	7	n/a	n/a	yes	yes	L+R	
Golder	Baffinlands	2018	Whole Fish	GN-8-2	03-Aug-18	ms18-108-013	48.2	1.24	Female	9	n/a	n/a	yes	yes	L+R	
Golder	Baffinlands	2018	Whole Fish	GN-8-3	03-Aug-18	ms18-108-014	50.4	1.41	Female	17	n/a	n/a	yes	yes	L+R	
Golder	Baffinlands	2018	Whole Fish	GN-8-4	03-Aug-18	ms18-108-015	51.4	1.26	Male	11	n/a	n/a	yes	yes	L+R	Label corrected upon receipt
Golder	Baffinlands	2018	Whole Fish	GN-8-5	03-Aug-18	ms18-108-016	37.9	0.94	Male	12	n/a	n/a	yes	yes	L+R	
Golder	Baffinlands	2018	Whole Fish	GN-8-6	03-Aug-18	ms18-108-017	43.6	0.62	Female	11	n/a	n/a	yes	yes	L+R	
Golder	Baffinlands	2018	Whole Fish	GN-8-7	03-Aug-18	ms18-108-018	38.6	1.06	Female	10	n/a	n/a	yes	yes	L+R	
Golder	Baffinlands	2018	Whole Fish	GN-8-8	03-Aug-18	ms18-108-019	31.6	0.76	Female	12	n/a	n/a	yes	yes	L+R	
Golder	Baffinlands	2018	Whole Fish	GN-8-9	03-Aug-18	ms18-108-020	32.2	0.11	Male	7	n/a	n/a	yes	yes	L+R	
Golder	Baffinlands	2018	Whole Fish	GN-8-10	03-Aug-18	ms18-108-021	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Listed on the COC. Fish not received at Biologica
Golder	Baffinlands	2018	Whole Fish	GN-8-11	03-Aug-18	ms18-108-022	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Listed on the COC. Fish not received at Biologica
Golder	Baffinlands	2018	Whole Fish	GN-8-12	03-Aug-18	ms18-108-023	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Listed on the COC. Fish not received at Biologica
Golder	Baffinlands	2018	Whole Fish	GN-9-1	30-Jul-18	ms18-108-024	50.3	1.48	Male	8	n/a	n/a	yes	yes	L+R	
Golder	Baffinlands	2018	Whole Fish	GN-9-2	30-Jul-18	ms18-108-025	39.2	0.52	Female	12	n/a	n/a	yes	yes	L+R	
Golder	Baffinlands	2018	Whole Fish	GN-9-3	30-Jul-18	ms18-108-026	34.7	0.47	Male	11	n/a	n/a	yes	yes	L+R	
Golder	Baffinlands	2018	Whole Fish	GN-12-1	09-Aug-18	ms18-108-027	37.3	0.34	Male	10	n/a	n/a	yes	yes	L+R	
Golder	Baffinlands	2018	Whole Fish	GN-12-2	09-Aug-18	ms18-108-028	38.9	0.74	Male	7	n/a	n/a	yes	yes	L+R	
Golder	Baffinlands	2018	Whole Fish	GN-12-3	09-Aug-18	ms18-108-029	38.6	1.35	Female	13	n/a	n/a	yes	yes	L+R	

Abundance and biomass data for fish stomach contents for Golder Baffinlands Fish 2018.

Client	Project	Year	Sample Type	Biologica Sample ID	Client Sample ID	Date Sampled	% Fullness	% Material Digested	Full Stomach Weight (g):	Source	Phylum	Subphylum	Class	Subclass	Order	Family	GroupCode	Taxon	Stage	Abundance	Total Taxa	Total WW (g)	WW/Individual (g)	Comments
Golder	Baffinlands	2018	Fish Stomach	ms18-108-001	GN-3	2018-07-30	50	75	13.08812	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida		CRCO	Calanoida indet.	Parts	n/a	1	0.43243	0.43243	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-001	GN-3	2018-07-30	50	75	13.08812	Benthic	Arthropoda	Hexapoda	Insecta	Pterygota	Diptera	Chironomidae	INDI	Diamesa sp.	L	1	1	0.00089	0.00089	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-001	GN-3	2018-07-30	50	75	13.08812	Benthic	Arthropoda	Hexapoda	Insecta	Pterygota	Diptera		INDI	Diptera indet.	L/parts	1		0.00012	0.00012	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-001	GN-3	2018-07-30	50	75	13.08812	Undetermined							XXXX	Unidentified tissue		n/a		0.68472	0.68472	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-002	GN-7-1	2018-08-02	75	75	9.61075	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida	Calanidae	CRCO	Calanoida indet.	A/parts	34		0.10177	0.00299	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-002	GN-7-1	2018-08-02	75	75	9.61075	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida		CRCO	Calanus hyperboreus	A	7	1	0.03756	0.00537	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-002	GN-7-1	2018-08-02	75	75	9.61075	Planktonic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Mysida	Mysidae	CRMY	Crustacea indet.	Parts	n/a		0.91810	0.91810	Copepoda, Mysida, and Decapoda
Golder	Baffinlands	2018	Fish Stomach	ms18-108-002	GN-7-1	2018-08-02	75	75	9.61075	Planktonic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Mysida		CRMY	Mysis sp.	A/parts	112	1	0.53714	0.00480	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-002	GN-7-1	2018-08-02	75	75	9.61075	Undetermined							XXXX	Unidentified tissue		n/a		0.67509	0.67509	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-003	GN-7-2	2018-08-02	50	75	14.44895	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida		CRCO	Calanoida indet.	A/parts	15		0.04552	0.00303	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-003	GN-7-2	2018-08-02	50	75	14.44895	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida	Calanidae	CRCO	Calanus hyperboreus	A	2	1	0.02507	0.01254	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-003	GN-7-2	2018-08-02	50	75	14.44895	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida		CRXX	Crustacea indet.	Parts	n/a		0.65557	0.65557	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-003	GN-7-2	2018-08-02	50	75	14.44895	Epibenthic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda		CRAM	Lysianassoidea indet.	A/parts	3	1	0.02311	0.00770	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-003	GN-7-2	2018-08-02	50	75	14.44895	Planktonic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Mysida		CRMY	Mysis indet.	A/parts	169	1	0.80573	0.00477	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-003	GN-7-2	2018-08-02	50	75	14.44895	Undetermined							XXXX	Unidentified tissue		n/a		0.73654	0.73654	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-004	GN-7-3	2018-08-02	25	75	5.49124	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida		CRCO	Calanoida indet.	Parts	n/a		0.01411	0.01411	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-004	GN-7-3	2018-08-02	25	75	5.49124	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida	Calanidae	CRCO	Calanus sp.	A/parts	3	1	0.00338	0.00113	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-004	GN-7-3	2018-08-02	25	75	5.49124	Planktonic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Mysida		CRMY	Mysis indet.	A/parts	10	1	0.03741	0.00374	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-004	GN-7-3	2018-08-02	25	75	5.49124	Undetermined							XXXX	Unidentified tissue		n/a		0.08279	0.08279	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-005	GN-7-4	2018-08-02	50	75	26.00873	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida		CRCO	Calanoida indet.	A/parts	28		0.06147	0.00220	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-005	GN-7-4	2018-08-02	50	75	26.00873	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida	Calanidae	CRCO	Calanus sp.	A/parts	2	1	0.00962	0.00481	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-005	GN-7-4	2018-08-02	50	75	26.00873	Planktonic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Mysida		CRMY	Mysis indet.	A/parts	25	1	0.13945	0.00558	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-005	GN-7-4	2018-08-02	50	75	26.00873	Undetermined							XXXX	Unidentified tissue		n/a		2.41986	2.41986	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-006	GN-7-5	2018-08-02	50	75	15.84194	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida		CRCO	Calanoida indet.	A/parts	77		0.21703	0.00282	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-006	GN-7-5	2018-08-02	50	75	15.84194	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida	Calanidae	CRCO	Calanus sp.	A/parts	7	1	0.02538	0.00363	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-006	GN-7-5	2018-08-02	50	75	15.84194	Planktonic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Mysida		CRXX	Crustacea indet.	Parts	n/a		0.02243	0.02243	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-006	GN-7-5	2018-08-02	50	75	15.84194	Planktonic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Mysida		CRMY	Mysis indet.	A/parts	65	1	0.31788	0.00489	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-006	GN-7-5	2018-08-02	50	75	15.84194	Undetermined							XXXX	Unidentified tissue		n/a		0.53092	0.53092	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-007	GN-7-6	2018-08-02	75	75	4.71476	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida		CRCO	Calanoida indet.	Parts	n/a		0.04458	0.04458	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-007	GN-7-6	2018-08-02	75	75	4.71476	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida	Calanidae	CRCO	Calanus sp.	A	1	1	0.01070	0.01070	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-007	GN-7-6	2018-08-02	75	75	4.71476	Planktonic	Chordata	Vertebrata	Actinopterygii			Scorpaeniformes	PIXX	Cottidae indet.	A	1	1	0.85342	0.85342	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-007	GN-7-6	2018-08-02	75	75	4.71476	Planktonic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda		CRAM	Crustacea indet.	Parts	n/a		0.67233	0.67233	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-007	GN-7-6	2018-08-02	75	75	4.71476	Epibenthic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda		CRAM	Lysianassoidea indet.	A	1	1	0.00913	0.00913	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-007	GN-7-6	2018-08-02	75	75	4.71476	Planktonic	Chordata	Vertebrata	Pisces-Actinopterygii				PIXX	Pisces indet.	J	1		0.00603	0.00603	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-007	GN-7-6	2018-08-02	75	75	4.71476	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida	Clausocalanidae	CRCO	Pseudocalanus sp.	A	3	1	0.01579	0.00526	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-008	GN-7-7	2018-08-02	25	50	9.85725	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida		CRCO	Calanoida indet.	A/parts	14	1	0.07644	0.00546	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-008	GN-7-7	2018-08-02	25	50	9.85725	Planktonic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Mysida		CRMY	Mysis indet.	A/parts	8	1	0.03349	0.00419	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-008	GN-7-7	2018-08-02	25	50	9.85725	Undetermined							XXXX	Unidentified tissue		n/a		0.69554	0.69554	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-009	GN-7-8	2018-08-02	50	75	37.46218	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida		CRCO	Calanoida indet.	A/parts	180		0.73384	0.00408	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-009	GN-7-8	2018-08-02	50	75	37.46218	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	A	16	1	0.09924	0.00620	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-009	GN-7-8	2018-08-02	50	75	37.46218	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida	Calanidae	CRCO	Calanus hyperboreus	A	1	1	0.00604	0.00604	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-009	GN-7-8	2018-08-02	50	75	37.46218	Planktonic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Mysida		CRMY	Mysis indet.	A/parts	164	1	0.77296	0.00471	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-009	GN-7-8	2018-08-02	50	75	37.46218	Undetermined							XXXX	Unidentified tissue		n/a		1.11500	1.11500	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-010	GN-7-9	2018-08-02	50	75	9.98042	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida		CRCO	Calanoida indet.	A/parts	35		0.10391	0.00297	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-010	GN-7-9	2018-08-02	50	75	9.98042	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida	Calanidae	CRCO	Calanus hyperboreus	A	1	1	0.00586	0.00586	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-010	GN-7-9	2018-08-02	50	75	9.98042	Planktonic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Mysida		CRXX	Crustacea indet.	Parts	n/a		0.61122	0.61122	Copepoda, Mysida, and Decapoda
Golder	Baffinlands	2018	Fish Stomach	ms18-108-010	GN-7-9	2018-08-02	50	75	9.98042	Planktonic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Mysida		CRMY	Mysis indet.	A/parts	n/a	1	0.00349	0.00349	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-010	GN-7-9	2018-08-02	50	75	9.98042	Undetermined							XXXX	Unidentified tissue		n/a		0.43162	0.43162	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-011	GN-7-10	2018-08-02	50	50	26.22237	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida		CRCO	Calanoida indet.	A/parts	63		0.19924	0.00316	
G																								

Abundance and biomass data for fish stomach contents for Golder Baffinlands Fish 2018.

Client	Project	Year	Sample Type	Biologica Sample ID	Client Sample ID	Date Sampled	% Fullness	% Material Digested	Full Stomach Weight (g):	Source	Phylum	Subphylum	Class	Subclass	Order	Family	GroupCode	Taxon	Stage	Abundance	Total Taxa	Total WW (g)	WW/Individual (g)	Comments
Golder	Baffinlands	2018	Fish Stomach	ms18-108-020	GN-8-9	2018-08-03	75	100	8.64271	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida		CRCO	Calanoida indet.	Parts	n/a	1	0.01363	0.01363	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-020	GN-8-9	2018-08-03	75	100	8.64271	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida		CRXX	Crustacea indet.	Parts	n/a		0.05857	0.05857	Copepoda, Mysida, and Decapoda
Golder	Baffinlands	2018	Fish Stomach	ms18-108-020	GN-8-9	2018-08-03	75	100	8.64271	Undetermined							XXXX	Unidentified tissue		n/a		1.54614	1.54614	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-024	GN-9-1	2018-07-30	50	75	24.79437	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida		CRCO	Calanoida indet.	A/parts	104		0.14627	0.00141	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-024	GN-9-1	2018-07-30	50	75	24.79437	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida	Calanidae	CRCO	Calanus hyperboreus	A	3	1	0.01257	0.00419	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-024	GN-9-1	2018-07-30	50	75	24.79437	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida	Calanidae	CRCO	Calanus sp.	A	6		0.01667	0.00278	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-024	GN-9-1	2018-07-30	50	75	24.79437	Planktonic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Isopoda		CRXX	Crustacea indet.	Parts	n/a		0.24235	0.24235	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-024	GN-9-1	2018-07-30	50	75	24.79437	Planktonic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Isopoda		CRIS	Isopoda indet.	Cryptoniscid	2	1	0.00028	0.00014	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-024	GN-9-1	2018-07-30	50	75	24.79437	Epibenthic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda		CRAM	Lysianassoidea indet.	A	2	1	0.00624	0.00312	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-024	GN-9-1	2018-07-30	50	75	24.79437	Epibenthic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda		CRAM	Lysianassoidea indet.	J	1		0.00010	0.00010	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-024	GN-9-1	2018-07-30	50	75	24.79437	Planktonic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Mysida		CRMY	Mysida indet.	A/parts	72	1	0.15818	0.00220	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-024	GN-9-1	2018-07-30	50	75	24.79437	Undetermined							XXXX	Unidentified tissue		n/a		1.27763	1.27763	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-025	GN-9-2	2018-07-30	50	50	12.19321	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida		CRCO	Calanoida indet.	A/parts	35		0.09793	0.00280	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-025	GN-9-2	2018-07-30	50	50	12.19321	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida	Calanidae	CRCO	Calanus sp.	A	4	1	0.02529	0.00632	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-025	GN-9-2	2018-07-30	50	50	12.19321	Planktonic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Gammaridae	CRXX	Crustacea indet.	Parts	n/a		0.56031	0.56031	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-025	GN-9-2	2018-07-30	50	50	12.19321	Epibenthic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda		CRAM	Gammarus sp.	A/parts	1	1	0.03409	0.03409	Found on ice and in sediment
Golder	Baffinlands	2018	Fish Stomach	ms18-108-025	GN-9-2	2018-07-30	50	50	12.19321	Epibenthic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda		CRAM	Lysianassoidea indet.	J/parts	5		0.00937	0.00187	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-025	GN-9-2	2018-07-30	50	50	12.19321	Planktonic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Mysida		CRMY	Mysida indet.	A/parts	133	1	0.47708	0.00359	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-025	GN-9-2	2018-07-30	50	50	12.19321	Epibenthic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Uristidae	CRAM	Onisimus sp.	A/parts	7	1	0.17018	0.02431	Found on ice and in sediment
Golder	Baffinlands	2018	Fish Stomach	ms18-108-025	GN-9-2	2018-07-30	50	50	12.19321	Undetermined							XXXX	Unidentified tissue		n/a		0.22399	0.22399	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-026	GN-9-3	2018-07-30	75	75	10.92328	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida		CRCO	Calanoida indet.	A/parts	27		0.09086	0.00337	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-026	GN-9-3	2018-07-30	75	75	10.92328	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida	Calanidae	CRCO	Calanus sp.	A	13	1	0.06671	0.00513	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-026	GN-9-3	2018-07-30	75	75	10.92328	Planktonic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Mysida		CRXX	Crustacea indet.	Parts	n/a		0.71485	0.71485	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-026	GN-9-3	2018-07-30	75	75	10.92328	Planktonic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Mysida		CRMY	Mysida indet.	A/parts	76	1	0.29214	0.00384	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-026	GN-9-3	2018-07-30	75	75	10.92328	Planktonic	Chordata	Vertebrata	Pisces-Actinopterygii				PIXX	Pisces indet.	L	1	1	0.00358	0.00358	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-026	GN-9-3	2018-07-30	75	75	10.92328	Undetermined							XXXX	Unidentified tissue		n/a		0.16563	0.16563	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-027	GN-12-1	2018-08-09	100	75	17.95185	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida	Calanidae	CRCO	Calanus sp.	A/parts	3	1	0.01764	0.00588	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-027	GN-12-1	2018-08-09	100	75	17.95185	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida	Calanidae	CRXX	Crustacea indet.	Parts	n/a		0.96921	0.96921	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-027	GN-12-1	2018-08-09	100	75	17.95185	Planktonic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Mysida		CRMY	Mysida indet.	A/parts	12	1	0.05138	0.00428	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-027	GN-12-1	2018-08-09	100	75	17.95185	Planktonic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Hyperiididae	CRAM	Themisto sp.	J/parts	192	1	5.18852	0.02702	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-028	GN-12-2	2018-08-09	100	75	25.33769	Planktonic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Decapoda		CRDE	Caridea indet.	Megalopa	1	1	0.00519	0.00519	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-028	GN-12-2	2018-08-09	100	75	25.33769	Planktonic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Uristidae	CRXX	Crustacea indet.	Parts	n/a		2.20216	2.20216	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-028	GN-12-2	2018-08-09	100	75	25.33769	Epibenthic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Uristidae	CRAM	Onisimus sp.	A/parts	15	1	0.41011	0.02734	Found on ice and in sediment
Golder	Baffinlands	2018	Fish Stomach	ms18-108-028	GN-12-2	2018-08-09	100	75	25.33769	Planktonic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Hyperiididae	CRAM	Themisto sp.	J/parts	356	1	7.57064	0.02127	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-029	GN-12-3	2018-08-09	75	75	31.35000	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida	Calanidae	CRCO	Calanus sp.	A/parts	4	1	0.03346	0.00837	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-029	GN-12-3	2018-08-09	75	75	31.35000	Planktonic	Arthropoda	Crustacea	Maxillopoda	Copepoda	Calanoida	Calanidae	CRXX	Crustacea indet.	Parts	n/a		6.08704	6.08704	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-029	GN-12-3	2018-08-09	75	75	31.35000	Epibenthic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda		CRAM	Lysianassoidea indet.	J/parts	4		0.15704	0.03926	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-029	GN-12-3	2018-08-09	75	75	31.35000	Planktonic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Mysida		CRMY	Mysida indet.	A/parts	26		0.32305	0.01243	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-029	GN-12-3	2018-08-09	75	75	31.35000	Planktonic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Mysida		CRMY	Mysis sp.	A/parts	6	1	0.37028	0.06171	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-029	GN-12-3	2018-08-09	75	75	31.35000	Epibenthic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Uristidae	CRAM	Onisimus sp.	A/parts	15	1	0.39608	0.02641	Found on ice and in sediment
Golder	Baffinlands	2018	Fish Stomach	ms18-108-029	GN-12-3	2018-08-09	75	75	31.35000	Planktonic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Hyperiididae	CRAM	Themisto libellula	A/parts	2	1	0.39581	0.19791	
Golder	Baffinlands	2018	Fish Stomach	ms18-108-029	GN-12-3	2018-08-09	75	75	31.35000	Planktonic	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Hyperiididae	CRAM	Themisto sp.	J/parts	192		3.91050	0.02037	

Your Project #: 18-108
Your C.O.C. #: 08455981

Attention: TARA MACDONALD

Biologica Environmental Services, Ltd.
488-F Bay St.
Victoria, BC
Canada V8T 5H2

Report Date: 2018/12/17
Report #: R2664900
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B894732
Received: 2018/10/29, 10:10

Sample Matrix: TISSUE
Samples Received: 26

Analyses	Quantity	Date	Date	Laboratory Method	Analytical Method
		Extracted	Analyzed		
Elements by CRC ICPMS - Tissue Wet Wt	20	2018/11/16	2018/11/22	BBY7SOP-00021,	EPA 6020b R2 m
Elements by CRC ICPMS - Tissue Wet Wt	6	2018/11/16	2018/11/30	BBY7SOP-00021,	EPA 6020b R2 m
Moisture in Tissue	26	2018/11/20	2018/11/21	BBY8SOP-00017	BCMOE BCLM Dec2000 m

Remarks:

Maxxam Analytics' laboratories are accredited to ISO/IEC 17025:2005 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Maxxam are based upon recognized Provincial, Federal or US method compendia such as CCME, MDDELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Maxxam's profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Maxxam in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Maxxam Analytics' liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Maxxam has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Maxxam, unless otherwise agreed in writing. Maxxam is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Maxxam, results relate to the supplied samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key



Tanya Eugene
Project Manager
17 Dec 2018 12:27:28

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
BC Env Customer Service, BC Environmental Customer Service
Email: Enviro.CS.BC@maxxam.ca
Phone# (604) 734 7276

Your Project #: 18-108
Your C.O.C. #: 08455981

Attention: TARA MACDONALD

Biologica Environmental Services, Ltd.
488-F Bay St.
Victoria, BC
Canada V8T 5H2

Report Date: 2018/12/17
Report #: R2664900
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B894732

Received: 2018/10/29, 10:10

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Maxxam Job #: B894732
Report Date: 2018/12/17

Biologica Environmental Services, Ltd.
Client Project #: 18-108

ELEMENTS BY ATOMIC SPECTROSCOPY - WET WT (TISSUE)

Maxxam ID		UQ8058	UQ8059	UQ8060	UQ8061	UQ8062		
Sampling Date		2018/07/30	2018/08/02	2018/08/02	2018/08/02	2018/08/02		
COC Number		08455981	08455981	08455981	08455981	08455981		
	UNITS	MS18-108-001	MS18-108-002	MS18-108-003	MS18-108-004	MS18-108-005	RDL	QC Batch
Total Metals by ICPMS								
Total (Wet Wt) Aluminum (Al)	mg/kg	<0.20	0.24	<0.20	<0.20	<0.20	0.20	9230652
Total (Wet Wt) Antimony (Sb)	mg/kg	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	9230652
Total (Wet Wt) Arsenic (As)	mg/kg	0.742	0.495	0.332	0.305	0.477	0.0040	9230652
Total (Wet Wt) Barium (Ba)	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9230652
Total (Wet Wt) Beryllium (Be)	mg/kg	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	9230652
Total (Wet Wt) Bismuth (Bi)	mg/kg	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	9230652
Total (Wet Wt) Boron (B)	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	9230652
Total (Wet Wt) Cadmium (Cd)	mg/kg	0.0096	0.0080	0.0027	0.0165	0.0013	0.0010	9230652
Total (Wet Wt) Calcium (Ca)	mg/kg	96.0	146	88.9	131	64.1	2.0	9230652
Total (Wet Wt) Chromium (Cr)	mg/kg	<0.010	0.010	0.013	0.015	<0.010	0.010	9230652
Total (Wet Wt) Cobalt (Co)	mg/kg	0.0042	0.0042	0.0051	0.0054	0.0046	0.0013	9230652
Total (Wet Wt) Copper (Cu)	mg/kg	0.551	0.498	0.562	0.450	0.501	0.010	9230652
Total (Wet Wt) Iron (Fe)	mg/kg	4.40	4.39	4.90	4.74	4.22	0.25	9230652
Total (Wet Wt) Lead (Pb)	mg/kg	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	9230652
Total (Wet Wt) Magnesium (Mg)	mg/kg	289	272	272	279	264	0.40	9230652
Total (Wet Wt) Manganese (Mn)	mg/kg	0.102	0.111	0.097	0.114	0.089	0.010	9230652
Total (Wet Wt) Mercury (Hg)	mg/kg	0.0542	0.0271	0.0632	0.0392	0.0347	0.0020	9230652
Total (Wet Wt) Molybdenum (Mo)	mg/kg	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	0.0040	9230652
Total (Wet Wt) Nickel (Ni)	mg/kg	<0.010	0.011	0.011	0.020	0.016	0.010	9230652
Total (Wet Wt) Phosphorus (P)	mg/kg	3030	3040	3000	2910	2820	2.0	9230652
Total (Wet Wt) Potassium (K)	mg/kg	4620	4380	4570	4280	4450	2.0	9230652
Total (Wet Wt) Selenium (Se)	mg/kg	0.353	0.339	0.326	0.405	0.295	0.010	9230652
Total (Wet Wt) Silver (Ag)	mg/kg	<0.0010	0.0010	<0.0010	0.0018	<0.0010	0.0010	9230652
Total (Wet Wt) Sodium (Na)	mg/kg	498	488	496	575	489	2.0	9230652
Total (Wet Wt) Strontium (Sr)	mg/kg	0.257	0.314	0.181	0.292	0.135	0.010	9230652
Total (Wet Wt) Thallium (Tl)	mg/kg	0.00334	0.00279	0.00407	0.00365	0.00296	0.00040	9230652
Total (Wet Wt) Tin (Sn)	mg/kg	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	9230652
Total (Wet Wt) Titanium (Ti)	mg/kg	0.154	0.128	0.145	0.134	0.130	0.020	9230652
Total (Wet Wt) Uranium (U)	mg/kg	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	0.00040	9230652
Total (Wet Wt) Vanadium (V)	mg/kg	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	9230652
Total (Wet Wt) Zinc (Zn)	mg/kg	6.65	6.26	5.99	6.62	4.53	0.040	9230652
RDL = Reportable Detection Limit								

Maxxam Job #: B894732
Report Date: 2018/12/17

Biologica Environmental Services, Ltd.
Client Project #: 18-108

ELEMENTS BY ATOMIC SPECTROSCOPY - WET WT (TISSUE)

Maxxam ID		UQ8063	UQ8064	UQ8065	UQ8066	UQ8067		
Sampling Date		2018/08/02	2018/08/02	2018/08/02	2018/08/02	2018/08/02		
COC Number		08455981	08455981	08455981	08455981	08455981		
	UNITS	MS18-108-006	MS18-108-007	MS18-108-008	MS18-108-009	MS18-108-010	RDL	QC Batch
Total Metals by ICPMS								
Total (Wet Wt) Aluminum (Al)	mg/kg	<0.20	0.23	<0.20	<0.20	0.21	0.20	9230652
Total (Wet Wt) Antimony (Sb)	mg/kg	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	9230652
Total (Wet Wt) Arsenic (As)	mg/kg	0.411	0.348	0.668	0.379	0.533	0.0040	9230652
Total (Wet Wt) Barium (Ba)	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9230652
Total (Wet Wt) Beryllium (Be)	mg/kg	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	9230652
Total (Wet Wt) Bismuth (Bi)	mg/kg	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	9230652
Total (Wet Wt) Boron (B)	mg/kg	<0.20	<0.20	0.21	<0.20	<0.20	0.20	9230652
Total (Wet Wt) Cadmium (Cd)	mg/kg	0.0013	0.0022	0.0014	0.0021	0.0014	0.0010	9230652
Total (Wet Wt) Calcium (Ca)	mg/kg	50.9	141	248	76.9	75.7	2.0	9230652
Total (Wet Wt) Chromium (Cr)	mg/kg	<0.010	<0.010	0.016	<0.010	<0.010	0.010	9230652
Total (Wet Wt) Cobalt (Co)	mg/kg	0.0043	0.0111	0.0061	0.0051	0.0044	0.0013	9230652
Total (Wet Wt) Copper (Cu)	mg/kg	0.491	0.379	0.621	0.451	0.504	0.010	9230652
Total (Wet Wt) Iron (Fe)	mg/kg	3.85	3.02	5.06	3.34	3.87	0.25	9230652
Total (Wet Wt) Lead (Pb)	mg/kg	<0.0010	<0.0010	<0.0010	<0.0010	0.0016	0.0010	9230652
Total (Wet Wt) Magnesium (Mg)	mg/kg	286	283	287	274	278	0.40	9230652
Total (Wet Wt) Manganese (Mn)	mg/kg	0.078	0.086	0.134	0.084	0.086	0.010	9230652
Total (Wet Wt) Mercury (Hg)	mg/kg	0.0561	0.101	0.0473	0.0484	0.0305	0.0020	9230652
Total (Wet Wt) Molybdenum (Mo)	mg/kg	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	0.0040	9230652
Total (Wet Wt) Nickel (Ni)	mg/kg	0.018	<0.010	0.019	0.021	0.012	0.010	9230652
Total (Wet Wt) Phosphorus (P)	mg/kg	3040	2980	3150	3000	2940	2.0	9230652
Total (Wet Wt) Potassium (K)	mg/kg	4660	4280	4390	4390	4450	2.0	9230652
Total (Wet Wt) Selenium (Se)	mg/kg	0.354	0.464	0.330	0.313	0.324	0.010	9230652
Total (Wet Wt) Silver (Ag)	mg/kg	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	9230652
Total (Wet Wt) Sodium (Na)	mg/kg	360	504	482	386	448	2.0	9230652
Total (Wet Wt) Strontium (Sr)	mg/kg	0.112	0.281	0.637	0.142	0.191	0.010	9230652
Total (Wet Wt) Thallium (Tl)	mg/kg	0.00346	0.00644	0.00319	0.00257	0.00280	0.00040	9230652
Total (Wet Wt) Tin (Sn)	mg/kg	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	9230652
Total (Wet Wt) Titanium (Ti)	mg/kg	0.124	0.122	0.135	0.143	0.117	0.020	9230652
Total (Wet Wt) Uranium (U)	mg/kg	<0.00040	<0.00040	<0.00040	<0.00040	0.00058	0.00040	9230652
Total (Wet Wt) Vanadium (V)	mg/kg	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	9230652
Total (Wet Wt) Zinc (Zn)	mg/kg	4.97	6.15	7.43	5.28	4.96	0.040	9230652
RDL = Reportable Detection Limit								

Maxxam Job #: B894732
Report Date: 2018/12/17

Biologica Environmental Services, Ltd.
Client Project #: 18-108

ELEMENTS BY ATOMIC SPECTROSCOPY - WET WT (TISSUE)

Maxxam ID		UQ8068	UQ8069	UQ8070	UQ8071	UQ8072		
Sampling Date		2018/08/02	2018/08/03	2018/08/03	2018/08/03	2018/08/03		
COC Number		08455981	08455981	08455981	08455981	08455981		
	UNITS	MS18-108-011	MS18-108-012	MS18-108-013	MS18-108-014	MS18-108-015	RDL	QC Batch
Total Metals by ICPMS								
Total (Wet Wt) Aluminum (Al)	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	9230652
Total (Wet Wt) Antimony (Sb)	mg/kg	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	9230652
Total (Wet Wt) Arsenic (As)	mg/kg	0.438	1.11	0.560	0.601	0.330	0.0040	9230652
Total (Wet Wt) Barium (Ba)	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9230652
Total (Wet Wt) Beryllium (Be)	mg/kg	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	9230652
Total (Wet Wt) Bismuth (Bi)	mg/kg	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	9230652
Total (Wet Wt) Boron (B)	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	9230652
Total (Wet Wt) Cadmium (Cd)	mg/kg	<0.0010	0.0015	0.0017	0.0022	0.0013	0.0010	9230652
Total (Wet Wt) Calcium (Ca)	mg/kg	47.4	81.5	46.3	42.7	50.0	2.0	9230652
Total (Wet Wt) Chromium (Cr)	mg/kg	0.014	<0.010	0.048	<0.010	<0.010	0.010	9230652
Total (Wet Wt) Cobalt (Co)	mg/kg	0.0032	0.0044	0.0047	0.0036	0.0041	0.0013	9230652
Total (Wet Wt) Copper (Cu)	mg/kg	0.492	0.598	0.502	0.469	0.540	0.010	9230652
Total (Wet Wt) Iron (Fe)	mg/kg	3.62	4.96	4.50	4.05	4.52	0.25	9230652
Total (Wet Wt) Lead (Pb)	mg/kg	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	9230652
Total (Wet Wt) Magnesium (Mg)	mg/kg	270	296	287	276	264	0.40	9230652
Total (Wet Wt) Manganese (Mn)	mg/kg	0.067	0.115	0.090	0.080	0.080	0.010	9230652
Total (Wet Wt) Mercury (Hg)	mg/kg	0.0352	0.0310	0.0288	0.0464	0.0360	0.0020	9230652
Total (Wet Wt) Molybdenum (Mo)	mg/kg	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	0.0040	9230652
Total (Wet Wt) Nickel (Ni)	mg/kg	0.014	<0.010	0.037	<0.010	0.011	0.010	9230652
Total (Wet Wt) Phosphorus (P)	mg/kg	2830	3070	3020	2860	2860	2.0	9230652
Total (Wet Wt) Potassium (K)	mg/kg	4190	4580	4590	4150	4320	2.0	9230652
Total (Wet Wt) Selenium (Se)	mg/kg	0.335	0.343	0.310	0.304	0.309	0.010	9230652
Total (Wet Wt) Silver (Ag)	mg/kg	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	9230652
Total (Wet Wt) Sodium (Na)	mg/kg	388	550	607	541	491	2.0	9230652
Total (Wet Wt) Strontium (Sr)	mg/kg	0.079	0.193	0.112	0.108	0.106	0.010	9230652
Total (Wet Wt) Thallium (Tl)	mg/kg	0.00293	0.00279	0.00219	0.00257	0.00294	0.00040	9230652
Total (Wet Wt) Tin (Sn)	mg/kg	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	9230652
Total (Wet Wt) Titanium (Ti)	mg/kg	0.105	0.130	0.150	0.116	0.119	0.020	9230652
Total (Wet Wt) Uranium (U)	mg/kg	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	0.00040	9230652
Total (Wet Wt) Vanadium (V)	mg/kg	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	9230652
Total (Wet Wt) Zinc (Zn)	mg/kg	4.50	6.08	5.02	4.74	4.77	0.040	9230652
RDL = Reportable Detection Limit								

Maxxam Job #: B894732
Report Date: 2018/12/17

Biologica Environmental Services, Ltd.
Client Project #: 18-108

ELEMENTS BY ATOMIC SPECTROSCOPY - WET WT (TISSUE)

Maxxam ID		UQ8073	UQ8074	UQ8075	UQ8076	UQ8077		
Sampling Date		2018/08/03	2018/08/03	2018/08/03	2018/08/03	2018/08/03		
COC Number		08455981	08455981	08455981	08455981	08455981		
	UNITS	MS18-108-016	MS18-108-017	MS18-108-018	MS18-108-019	MS18-108-020	RDL	QC Batch
Total Metals by ICPMS								
Total (Wet Wt) Aluminum (Al)	mg/kg	<0.20	<0.20	<0.20	<0.20	0.36	0.20	9230652
Total (Wet Wt) Antimony (Sb)	mg/kg	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	9230652
Total (Wet Wt) Arsenic (As)	mg/kg	0.508	0.428	0.393	0.356	0.445	0.0040	9230652
Total (Wet Wt) Barium (Ba)	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9230652
Total (Wet Wt) Beryllium (Be)	mg/kg	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	9230652
Total (Wet Wt) Bismuth (Bi)	mg/kg	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	9230652
Total (Wet Wt) Boron (B)	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	9230652
Total (Wet Wt) Cadmium (Cd)	mg/kg	0.0033	0.0041	0.0016	0.0122	0.0052	0.0010	9230652
Total (Wet Wt) Calcium (Ca)	mg/kg	56.2	69.9	51.5	63.5	90.7	2.0	9230652
Total (Wet Wt) Chromium (Cr)	mg/kg	0.019	<0.010	0.017	0.014	0.018	0.010	9230652
Total (Wet Wt) Cobalt (Co)	mg/kg	0.0043	0.0040	0.0039	0.0050	0.0049	0.0013	9230652
Total (Wet Wt) Copper (Cu)	mg/kg	0.427	0.347	0.438	0.430	0.392	0.010	9230652
Total (Wet Wt) Iron (Fe)	mg/kg	3.38	3.98	3.54	3.63	4.20	0.25	9230652
Total (Wet Wt) Lead (Pb)	mg/kg	<0.0010	0.0026	<0.0010	0.0015	0.0015	0.0010	9230652
Total (Wet Wt) Magnesium (Mg)	mg/kg	267	294	280	263	288	0.40	9230652
Total (Wet Wt) Manganese (Mn)	mg/kg	0.076	0.093	0.075	0.089	0.095	0.010	9230652
Total (Wet Wt) Mercury (Hg)	mg/kg	0.0299	0.0614	0.0532	0.0342	0.0271	0.0020	9230652
Total (Wet Wt) Molybdenum (Mo)	mg/kg	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	0.0040	9230652
Total (Wet Wt) Nickel (Ni)	mg/kg	0.023	0.011	0.024	0.014	0.015	0.010	9230652
Total (Wet Wt) Phosphorus (P)	mg/kg	2950	3040	2950	2870	2940	2.0	9230652
Total (Wet Wt) Potassium (K)	mg/kg	4450	4560	4350	4350	4310	2.0	9230652
Total (Wet Wt) Selenium (Se)	mg/kg	0.305	0.329	0.320	0.295	0.318	0.010	9230652
Total (Wet Wt) Silver (Ag)	mg/kg	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	9230652
Total (Wet Wt) Sodium (Na)	mg/kg	480	796	478	483	678	2.0	9230652
Total (Wet Wt) Strontium (Sr)	mg/kg	0.096	0.229	0.101	0.142	0.277	0.010	9230652
Total (Wet Wt) Thallium (Tl)	mg/kg	0.00304	0.00297	0.00254	0.00285	0.00268	0.00040	9230652
Total (Wet Wt) Tin (Sn)	mg/kg	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	9230652
Total (Wet Wt) Titanium (Ti)	mg/kg	0.125	0.131	0.144	0.113	0.127	0.020	9230652
Total (Wet Wt) Uranium (U)	mg/kg	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	0.00040	9230652
Total (Wet Wt) Vanadium (V)	mg/kg	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	9230652
Total (Wet Wt) Zinc (Zn)	mg/kg	5.07	5.26	4.91	5.39	5.68	0.040	9230652
RDL = Reportable Detection Limit								

Maxxam Job #: B894732
Report Date: 2018/12/17

Biologica Environmental Services, Ltd.
Client Project #: 18-108

ELEMENTS BY ATOMIC SPECTROSCOPY - WET WT (TISSUE)

Maxxam ID		UQ8078	UQ8079	UQ8080	UQ8081	UQ8082		
Sampling Date		2018/07/30	2018/07/30	2018/07/30	2018/08/09	2018/08/09		
COC Number		08455981	08455981	08455981	08455981	08455981		
	UNITS	MS18-108-024	MS18-108-025	MS18-108-026	MS18-108-027	MS18-108-028	RDL	QC Batch
Total Metals by ICPMS								
Total (Wet Wt) Aluminum (Al)	mg/kg	0.58	<0.20	<0.20	0.35	0.52	0.20	9230928
Total (Wet Wt) Antimony (Sb)	mg/kg	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	9230928
Total (Wet Wt) Arsenic (As)	mg/kg	1.15	0.383	0.384	0.484	0.724	0.0040	9230928
Total (Wet Wt) Barium (Ba)	mg/kg	<0.010	<0.010	0.013	<0.010	<0.010	0.010	9230928
Total (Wet Wt) Beryllium (Be)	mg/kg	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	9230928
Total (Wet Wt) Bismuth (Bi)	mg/kg	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	9230928
Total (Wet Wt) Boron (B)	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	9230928
Total (Wet Wt) Cadmium (Cd)	mg/kg	0.0161	0.0092	0.0091	0.0207	0.0161	0.0010	9230928
Total (Wet Wt) Calcium (Ca)	mg/kg	59.8	93.0	135	109	80.3	2.0	9230928
Total (Wet Wt) Chromium (Cr)	mg/kg	0.050	<0.010	<0.010	0.021	<0.010	0.010	9230928
Total (Wet Wt) Cobalt (Co)	mg/kg	0.0054	0.0052	0.0030	0.0054	0.0058	0.0013	9230928
Total (Wet Wt) Copper (Cu)	mg/kg	0.688 (1)	0.554	0.441	0.564	0.672	0.010	9230928
Total (Wet Wt) Iron (Fe)	mg/kg	5.70	5.24	4.53	4.33	5.51	0.25	9230928
Total (Wet Wt) Lead (Pb)	mg/kg	0.0013	0.0011	0.0015	0.0017	0.0022	0.0010	9230928
Total (Wet Wt) Magnesium (Mg)	mg/kg	291	289	296	310	292	0.40	9230928
Total (Wet Wt) Manganese (Mn)	mg/kg	0.087	0.088	0.094	0.112	0.107	0.010	9230928
Total (Wet Wt) Mercury (Hg)	mg/kg	0.0371	0.0442	0.0387	0.0484	0.0329	0.0020	9230928
Total (Wet Wt) Molybdenum (Mo)	mg/kg	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	0.0040	9230928
Total (Wet Wt) Nickel (Ni)	mg/kg	0.019	0.012	<0.010	0.012	0.016	0.010	9230928
Total (Wet Wt) Phosphorus (P)	mg/kg	3010	3210	3060	3190	3120	2.0	9230928
Total (Wet Wt) Potassium (K)	mg/kg	4370	4640	4420	4570	4330	2.0	9230928
Total (Wet Wt) Selenium (Se)	mg/kg	0.394	0.338	0.316	0.366	0.335	0.010	9230928
Total (Wet Wt) Silver (Ag)	mg/kg	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	9230928
Total (Wet Wt) Sodium (Na)	mg/kg	412	402	440	607	430	2.0	9230928
Total (Wet Wt) Strontium (Sr)	mg/kg	0.093	0.195	0.247	0.239	0.171	0.010	9230928
Total (Wet Wt) Thallium (Tl)	mg/kg	0.00379	0.00347	0.00338	0.00264	0.00211	0.00040	9230928
Total (Wet Wt) Tin (Sn)	mg/kg	0.036	<0.020	<0.020	<0.020	<0.020	0.020	9230928
Total (Wet Wt) Titanium (Ti)	mg/kg	0.085	0.116	0.097	0.115	0.115	0.020	9230928
Total (Wet Wt) Uranium (U)	mg/kg	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	0.00040	9230928
Total (Wet Wt) Vanadium (V)	mg/kg	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	9230928
Total (Wet Wt) Zinc (Zn)	mg/kg	4.75	7.74	5.90	7.26	5.56	0.040	9230928
RDL = Reportable Detection Limit								
(1) Matrix Spike outside acceptance criteria (10% of analytes failure allowed).								

Maxxam Job #: B894732
Report Date: 2018/12/17

Biologica Environmental Services, Ltd.
Client Project #: 18-108

ELEMENTS BY ATOMIC SPECTROSCOPY - WET WT (TISSUE)

Maxxam ID		UQ8083		
Sampling Date		2018/08/09		
COC Number		08455981		
	UNITS	MS18-108-029	RDL	QC Batch
Total Metals by ICPMS				
Total (Wet Wt) Aluminum (Al)	mg/kg	0.81	0.20	9230928
Total (Wet Wt) Antimony (Sb)	mg/kg	<0.0010	0.0010	9230928
Total (Wet Wt) Arsenic (As)	mg/kg	0.714	0.0040	9230928
Total (Wet Wt) Barium (Ba)	mg/kg	<0.010	0.010	9230928
Total (Wet Wt) Beryllium (Be)	mg/kg	<0.0010	0.0010	9230928
Total (Wet Wt) Bismuth (Bi)	mg/kg	<0.0010	0.0010	9230928
Total (Wet Wt) Boron (B)	mg/kg	<0.20	0.20	9230928
Total (Wet Wt) Cadmium (Cd)	mg/kg	0.0087	0.0010	9230928
Total (Wet Wt) Calcium (Ca)	mg/kg	75.0	2.0	9230928
Total (Wet Wt) Chromium (Cr)	mg/kg	0.037	0.010	9230928
Total (Wet Wt) Cobalt (Co)	mg/kg	0.0052	0.0013	9230928
Total (Wet Wt) Copper (Cu)	mg/kg	0.635	0.010	9230928
Total (Wet Wt) Iron (Fe)	mg/kg	5.77	0.25	9230928
Total (Wet Wt) Lead (Pb)	mg/kg	0.0026	0.0010	9230928
Total (Wet Wt) Magnesium (Mg)	mg/kg	293	0.40	9230928
Total (Wet Wt) Manganese (Mn)	mg/kg	0.100	0.010	9230928
Total (Wet Wt) Mercury (Hg)	mg/kg	0.0343	0.0020	9230928
Total (Wet Wt) Molybdenum (Mo)	mg/kg	<0.0040	0.0040	9230928
Total (Wet Wt) Nickel (Ni)	mg/kg	0.018	0.010	9230928
Total (Wet Wt) Phosphorus (P)	mg/kg	2910	2.0	9230928
Total (Wet Wt) Potassium (K)	mg/kg	4030	2.0	9230928
Total (Wet Wt) Selenium (Se)	mg/kg	0.356	0.010	9230928
Total (Wet Wt) Silver (Ag)	mg/kg	<0.0010	0.0010	9230928
Total (Wet Wt) Sodium (Na)	mg/kg	527	2.0	9230928
Total (Wet Wt) Strontium (Sr)	mg/kg	0.171	0.010	9230928
Total (Wet Wt) Thallium (Tl)	mg/kg	0.00271	0.00040	9230928
Total (Wet Wt) Tin (Sn)	mg/kg	<0.020	0.020	9230928
Total (Wet Wt) Titanium (Ti)	mg/kg	0.119	0.020	9230928
Total (Wet Wt) Uranium (U)	mg/kg	<0.00040	0.00040	9230928
Total (Wet Wt) Vanadium (V)	mg/kg	<0.020	0.020	9230928
Total (Wet Wt) Zinc (Zn)	mg/kg	5.61	0.040	9230928
RDL = Reportable Detection Limit				

Maxxam Job #: B894732
Report Date: 2018/12/17

Biologica Environmental Services, Ltd.
Client Project #: 18-108

PHYSICAL TESTING (TISSUE)

Maxxam ID		UQ8058	UQ8059	UQ8060	UQ8061	UQ8062	UQ8063		
Sampling Date		2018/07/30	2018/08/02	2018/08/02	2018/08/02	2018/08/02	2018/08/02		
COC Number		08455981	08455981	08455981	08455981	08455981	08455981		
	UNITS	MS18-108-001	MS18-108-002	MS18-108-003	MS18-108-004	MS18-108-005	MS18-108-006	RDL	QC Batch

Physical Properties									
Moisture	%	77	73	76	75	76	73	0.30	9234956
RDL = Reportable Detection Limit									

Maxxam ID		UQ8064	UQ8065	UQ8066	UQ8067	UQ8068	UQ8069		
Sampling Date		2018/08/02	2018/08/02	2018/08/02	2018/08/02	2018/08/02	2018/08/03		
COC Number		08455981	08455981	08455981	08455981	08455981	08455981		
	UNITS	MS18-108-007	MS18-108-008	MS18-108-009	MS18-108-010	MS18-108-011	MS18-108-012	RDL	QC Batch

Physical Properties									
Moisture	%	76	73	73	74	73	72	0.30	9234956
RDL = Reportable Detection Limit									

Maxxam ID		UQ8070	UQ8071	UQ8072	UQ8073	UQ8074	UQ8075		
Sampling Date		2018/08/03	2018/08/03	2018/08/03	2018/08/03	2018/08/03	2018/08/03		
COC Number		08455981	08455981	08455981	08455981	08455981	08455981		
	UNITS	MS18-108-013	MS18-108-014	MS18-108-015	MS18-108-016	MS18-108-017	MS18-108-018	RDL	QC Batch

Physical Properties									
Moisture	%	74	74	75	75	76	74	0.30	9234956
RDL = Reportable Detection Limit									

Maxxam ID		UQ8076	UQ8077		UQ8078	UQ8079	UQ8080		
Sampling Date		2018/08/03	2018/08/03		2018/07/30	2018/07/30	2018/07/30		
COC Number		08455981	08455981		08455981	08455981	08455981		
	UNITS	MS18-108-019	MS18-108-020	QC Batch	MS18-108-024	MS18-108-025	MS18-108-026	RDL	QC Batch

Physical Properties									
Moisture	%	76	76	9234956	72	76	76	0.30	9234961
RDL = Reportable Detection Limit									

Maxxam ID		UQ8081	UQ8082	UQ8083		
Sampling Date		2018/08/09	2018/08/09	2018/08/09		
COC Number		08455981	08455981	08455981		
	UNITS	MS18-108-027	MS18-108-028	MS18-108-029	RDL	QC Batch

Physical Properties						
Moisture	%	74	72	75	0.30	9234961
RDL = Reportable Detection Limit						

Maxxam Job #: B894732
Report Date: 2018/12/17

Biologica Environmental Services, Ltd.
Client Project #: 18-108

GENERAL COMMENTS

Results relate only to the items tested.

Maxxam Job #: B894732
Report Date: 2018/12/17

QUALITY ASSURANCE REPORT

Biologica Environmental Services, Ltd.
Client Project #: 18-108

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
9230652	Total (Wet Wt) Aluminum (Al)	2018/11/22					<0.20	mg/kg	32	40	100	75 - 125
9230652	Total (Wet Wt) Antimony (Sb)	2018/11/22	98	75 - 125	102	75 - 125	<0.0010	mg/kg	NC	40		
9230652	Total (Wet Wt) Arsenic (As)	2018/11/22	85	75 - 125	91	75 - 125	<0.0040	mg/kg	1.1	40	98	75 - 125
9230652	Total (Wet Wt) Barium (Ba)	2018/11/22	100	75 - 125	112	75 - 125	<0.010	mg/kg	NC	40		
9230652	Total (Wet Wt) Beryllium (Be)	2018/11/22	83	75 - 125	89	75 - 125	<0.0010	mg/kg	NC	40		
9230652	Total (Wet Wt) Bismuth (Bi)	2018/11/22					<0.0010	mg/kg	NC	40		
9230652	Total (Wet Wt) Boron (B)	2018/11/22					<0.20	mg/kg	NC	40		
9230652	Total (Wet Wt) Cadmium (Cd)	2018/11/22	83	75 - 125	93	75 - 125	<0.0010	mg/kg	2.4	40	96	75 - 125
9230652	Total (Wet Wt) Calcium (Ca)	2018/11/22					<2.0	mg/kg	21	60		
9230652	Total (Wet Wt) Chromium (Cr)	2018/11/22	82	75 - 125	92	75 - 125	<0.010	mg/kg	20	40	79	75 - 125
9230652	Total (Wet Wt) Cobalt (Co)	2018/11/22	81	75 - 125	90	75 - 125	<0.0013	mg/kg	5.0	40	88	75 - 125
9230652	Total (Wet Wt) Copper (Cu)	2018/11/22	77	75 - 125	90	75 - 125	<0.010	mg/kg	0.67	40	87	75 - 125
9230652	Total (Wet Wt) Iron (Fe)	2018/11/22					<0.25	mg/kg	11	40	89	75 - 125
9230652	Total (Wet Wt) Lead (Pb)	2018/11/22	83	75 - 125	96	75 - 125	<0.0010	mg/kg	NC	40	60 (1)	75 - 125
9230652	Total (Wet Wt) Magnesium (Mg)	2018/11/22					<0.40	mg/kg	0.77	40		
9230652	Total (Wet Wt) Manganese (Mn)	2018/11/22	85	75 - 125	92	75 - 125	<0.010	mg/kg	1.9	40		
9230652	Total (Wet Wt) Mercury (Hg)	2018/11/22	91	75 - 125	104	75 - 125	<0.0020	mg/kg	0.31	40	92	75 - 125
9230652	Total (Wet Wt) Molybdenum (Mo)	2018/11/22	98	75 - 125	103	75 - 125	<0.0040	mg/kg	NC	40	98	75 - 125
9230652	Total (Wet Wt) Nickel (Ni)	2018/11/22	80	75 - 125	90	75 - 125	<0.010	mg/kg	27	40	83	75 - 125
9230652	Total (Wet Wt) Phosphorus (P)	2018/11/22					<2.0	mg/kg	0.89	40	94	75 - 125
9230652	Total (Wet Wt) Potassium (K)	2018/11/22					<2.0	mg/kg	0.68	40		
9230652	Total (Wet Wt) Selenium (Se)	2018/11/22	89	75 - 125	89	75 - 125	<0.010	mg/kg	0.16	40	97	75 - 125
9230652	Total (Wet Wt) Silver (Ag)	2018/11/22	81	75 - 125	95	75 - 125	<0.0010	mg/kg	NC	40		
9230652	Total (Wet Wt) Sodium (Na)	2018/11/22					<2.0	mg/kg	0.053	40	89	75 - 125
9230652	Total (Wet Wt) Strontium (Sr)	2018/11/22	87	75 - 125	94	75 - 125	<0.010	mg/kg	17	60		
9230652	Total (Wet Wt) Thallium (Tl)	2018/11/22	85	75 - 125	97	75 - 125	<0.00040	mg/kg	7.5	40		
9230652	Total (Wet Wt) Tin (Sn)	2018/11/22	96	75 - 125	102	75 - 125	<0.020	mg/kg	NC	40	129 (1)	75 - 125
9230652	Total (Wet Wt) Titanium (Ti)	2018/11/22	94	75 - 125	97	75 - 125	<0.020	mg/kg	0.51	40		
9230652	Total (Wet Wt) Uranium (U)	2018/11/22	86	75 - 125	95	75 - 125	<0.00040	mg/kg	NC	40	106	75 - 125
9230652	Total (Wet Wt) Vanadium (V)	2018/11/22	88	75 - 125	92	75 - 125	<0.020	mg/kg	NC	40		
9230652	Total (Wet Wt) Zinc (Zn)	2018/11/22	NC	75 - 125	93	75 - 125	0.058, RDL=0.040 (2)	mg/kg	0.90	40	90	75 - 125
9230928	Total (Wet Wt) Aluminum (Al)	2018/11/30					<0.20	mg/kg	21	40	106	75 - 125

Maxxam Job #: B894732
Report Date: 2018/12/17

QUALITY ASSURANCE REPORT(CONT'D)

Biologica Environmental Services, Ltd.
Client Project #: 18-108

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
9230928	Total (Wet Wt) Antimony (Sb)	2018/11/30	104	75 - 125	89	75 - 125	<0.0010	mg/kg	NC	40		
9230928	Total (Wet Wt) Arsenic (As)	2018/11/30	NC	75 - 125	97	75 - 125	<0.0040	mg/kg	1.7	40	97	75 - 125
9230928	Total (Wet Wt) Barium (Ba)	2018/11/30	103	75 - 125	112	75 - 125	<0.010	mg/kg	NC	40		
9230928	Total (Wet Wt) Beryllium (Be)	2018/11/30	85	75 - 125	95	75 - 125	<0.0010	mg/kg	NC	40		
9230928	Total (Wet Wt) Bismuth (Bi)	2018/11/30					<0.0010	mg/kg	NC	40		
9230928	Total (Wet Wt) Boron (B)	2018/11/30					<0.20	mg/kg	NC	40		
9230928	Total (Wet Wt) Cadmium (Cd)	2018/11/30	88	75 - 125	94	75 - 125	<0.0010	mg/kg	1.1	40	91	75 - 125
9230928	Total (Wet Wt) Calcium (Ca)	2018/11/30					<2.0	mg/kg	24	60		
9230928	Total (Wet Wt) Chromium (Cr)	2018/11/30	80	75 - 125	95	75 - 125	<0.010	mg/kg	20	40	82	75 - 125
9230928	Total (Wet Wt) Cobalt (Co)	2018/11/30	79	75 - 125	96	75 - 125	<0.0013	mg/kg	2.1	40	94	75 - 125
9230928	Total (Wet Wt) Copper (Cu)	2018/11/30	71 (3)	75 - 125	96	75 - 125	<0.010	mg/kg	3.3	40	90	75 - 125
9230928	Total (Wet Wt) Iron (Fe)	2018/11/30					<0.25	mg/kg	10	40	96	75 - 125
9230928	Total (Wet Wt) Lead (Pb)	2018/11/30	87	75 - 125	99	75 - 125	<0.0010	mg/kg	23	40	61 (1)	75 - 125
9230928	Total (Wet Wt) Magnesium (Mg)	2018/11/30					<0.40	mg/kg	1.2	40		
9230928	Total (Wet Wt) Manganese (Mn)	2018/11/30	80	75 - 125	97	75 - 125	<0.010	mg/kg	2.3	40		
9230928	Total (Wet Wt) Mercury (Hg)	2018/11/30	101	75 - 125	93	75 - 125	<0.0020	mg/kg	0.49	40	90	75 - 125
9230928	Total (Wet Wt) Molybdenum (Mo)	2018/11/30	105	75 - 125	91	75 - 125	<0.0040	mg/kg	NC	40	95	75 - 125
9230928	Total (Wet Wt) Nickel (Ni)	2018/11/30	78	75 - 125	98	75 - 125	<0.010	mg/kg	15	40	89	75 - 125
9230928	Total (Wet Wt) Phosphorus (P)	2018/11/30					<2.0	mg/kg	1.2	40	101	75 - 125
9230928	Total (Wet Wt) Potassium (K)	2018/11/30					<2.0	mg/kg	1.1	40		
9230928	Total (Wet Wt) Selenium (Se)	2018/11/30	86	75 - 125	95	75 - 125	<0.010	mg/kg	3.3	40	101	75 - 125
9230928	Total (Wet Wt) Silver (Ag)	2018/11/30	85	75 - 125	95	75 - 125	<0.0010	mg/kg	NC	40		
9230928	Total (Wet Wt) Sodium (Na)	2018/11/30					<2.0	mg/kg	0.55	40	98	75 - 125
9230928	Total (Wet Wt) Strontium (Sr)	2018/11/30	89	75 - 125	97	75 - 125	<0.010	mg/kg	44	60		
9230928	Total (Wet Wt) Thallium (Tl)	2018/11/30	88	75 - 125	99	75 - 125	<0.00040	mg/kg	1.3	40		
9230928	Total (Wet Wt) Tin (Sn)	2018/11/30	99	75 - 125	86	75 - 125	<0.020	mg/kg	NC	40	132 (1)	75 - 125
9230928	Total (Wet Wt) Titanium (Ti)	2018/11/30	97	75 - 125	94	75 - 125	<0.020	mg/kg	24	40		
9230928	Total (Wet Wt) Uranium (U)	2018/11/30	89	75 - 125	97	75 - 125	<0.00040	mg/kg	NC	40	106	75 - 125
9230928	Total (Wet Wt) Vanadium (V)	2018/11/30	82	75 - 125	96	75 - 125	<0.020	mg/kg	NC	40		
9230928	Total (Wet Wt) Zinc (Zn)	2018/11/30	NC	75 - 125	95	75 - 125	<0.040	mg/kg	1.1	40	93	75 - 125
9234956	Moisture	2018/11/21					<0.30	%	0.13	20		

Maxxam Job #: B894732
Report Date: 2018/12/17

QUALITY ASSURANCE REPORT(CONT'D)

Biologica Environmental Services, Ltd.
Client Project #: 18-108

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
9234961	Moisture	2018/11/21					<0.30	%	0.67	20		

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) Reference outside acceptance criteria due to digestion limitation.

(2) Method Blank exceeds acceptance limits for Zn. Sample values for Zn are >10x the concentration of the method blank and the contamination is considered irrelevant

(3) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

Maxxam Job #: B894732
Report Date: 2018/12/17

Biologica Environmental Services, Ltd.
Client Project #: 18-108

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).



Rob Reinert, B.Sc., Scientific Spécialist

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



Invoice Information		Report Information (if differs from Invoice)			Project Information			Turnaround Time (TAT) Required																																																																																		
Company: <u>Biologica Environmental Services</u>		Company: _____			Quotation: _____			<input checked="" type="checkbox"/> 5 - 7 Days Regular (Most analyses)																																																																																		
Contact Name: <u>Tara Macdonald</u>		Contact Name: _____			P.O. #/AFEN: _____			PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS																																																																																		
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		Date Sampled (yyyy/mm/dd)	Time Sampled (hh:mm)	Matrix	# of Containers																																																																																					
1	ms18-108-001	7/30/2018	n/a	Tissue	1																																																																																					
2	ms18-108-002	8/2/2018	n/a	Tissue	1																																																																																					
3	ms18-108-003	8/2/2018	n/a	Tissue	1																																																																																					
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<p>Unless otherwise agreed in a writing, work submitted on this Chain of Custody is subject to Maxxam's standard Terms and Conditions. Signing of this Chain of Custody document is acknowledgement and acceptance of our terms which are available for viewing at www.maxxam.ca/terms.</p>																																																																																										
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<i>Tara Macdonald</i>		2018/10/29	10:10	<i>Sarah S. Ash</i>		2018/10/29	10:10																																																																																			

COC-1020

Maxxam Analytics Success Through Science®



B894732_COC



Fish Tissue Analysis Methods
Client: Golder
Project: Baffinlands Iron Mine

Sample Inventory

Sample arrival: August 31, 2018
Number of samples: 26
Biologica project number: 18-108

Upon arrival, the samples were examined and double checked against the chain of custody to ensure all samples were accounted for. Any discrepancies were reported to the client and were resolved before further sample handling. Samples were then assigned a unique identification number.

Table 1. Summary of fish stomachs processed for Golder Baffin Island Iron Mine 2018.

Client Sample #	Date Sampled	Biologica Sample #	Fish Fork Length (cm)	Fish Weight (kg)
GN-3	30-Jul-18	ms18-108-001	40.6	0.62
GN-7-1	2-Aug-18	ms18-108-002	36.3	0.50
GN-7-2	2-Aug-18	ms18-108-003	37.4	0.48
GN-7-3	2-Aug-18	ms18-108-004	33.8	0.31
GN-7-4	2-Aug-18	ms18-108-005	48.0	1.25
GN-7-5	2-Aug-18	ms18-108-006	45.7	1.03
GN-7-6	2-Aug-18	ms18-108-007	26.7	0.17
GN-7-7	2-Aug-18	ms18-108-008	37.8	0.58
GN-7-8	2-Aug-18	ms18-108-009	45.7	1.12
GN-7-9	2-Aug-18	ms18-108-010	34.3	0.55
GN-7-10	2-Aug-18	ms18-108-011	50.8	1.47
GN-8-1	3-Aug-18	ms18-108-012	39.9	0.69
GN-8-2	3-Aug-18	ms18-108-013	48.2	1.24
GN-8-3	3-Aug-18	ms18-108-014	50.4	1.41
GN-8-4	3-Aug-18	ms18-108-015	51.4	1.26
GN-8-5	3-Aug-18	ms18-108-016	37.9	0.94
GN-8-6	3-Aug-18	ms18-108-017	43.6	0.62
GN-8-7	3-Aug-18	ms18-108-018	38.6	1.06
GN-8-8	3-Aug-18	ms18-108-019	31.6	0.76
GN-8-9	3-Aug-18	ms18-108-020	32.2	0.11
GN-9-1	30-Jul-18	ms18-108-024	50.3	1.48
GN-9-2	30-Jul-18	ms18-108-025	39.2	0.52
GN-9-3	30-Jul-18	ms18-108-026	34.7	0.47
GN-12-1	9-Aug-18	ms18-108-027	37.3	0.34
GN-12-2	9-Aug-18	ms18-108-028	38.9	0.74
GN-12-3	9-Aug-18	ms18-108-029	38.6	1.35

Sample Processing

Latex gloves were worn when handling the fish samples, and changed between each sample to avoid potential contamination. All fish were weighed and the fork length measured.

Tissue Collection:

The fish samples were examined for any lesions or tumors. None were noted. The internal organs (e.g. stomachs, intestines, gonads, etc.) and heads were then removed with a knife. To avoid contamination, cleaned dissecting trays were used between fish, and the knife was rinsed with distilled water and dried in between samples. The sex of each fish was determined through examination of the gonads. One fillet was removed for analysis of metal contamination. The fillet samples were rinsed with distilled water, wrapped in clean, food grade aluminum foil (with the dull side in contact with the fish), and placed in clean, pre-labelled food grade plastic bags. Samples were placed back in the freezer as quickly as possible, and delivered to Maxxam Analytics in a cooler with icepacks for analysis.

Otoliths:

Otoliths were removed from each fish head using a fillet knife, were subsequently rinsed, and stored in water. Otoliths were then mounted, polished as necessary and then aged by viewing the number of annuli through a compound microscope.

Fish Stomachs:

Fish stomachs were removed and preserved in 10% Formalin for subsequent taxonomic analysis.

Sample Processing and Data Analysis

Tissue sample processing was performed at the Maxxam Analytics' laboratory in Victoria, BC. Results were provided to the Golder project manager in Excel spreadsheets via email.

References

Kasich J, Taylor GM, Scott JN. 2012. Fish Tissue Collection Manual. Cooperative Fish Tissue Monitoring Program. US EPA. Ohio.

Guidance for Assessing Chemical Contaminant Data for Use in Fish Advisories. 2000. Vol 1: Fish Sampling and Analysis. 3rd ed. Office of Water. US EPA. Washington.

ANNEXE H

**Zooplankton and Ichthyoplankton
Data**



Ichthyoplankton Preliminary Counts Golder Baffinlands 2018.

Client	Project	Year	Sample Type	Client ID	Date Sampled	Biologica Sample #	Ichthyoplankton Preliminary Count	Identification
Golder	Baffinlands	2018	Zooplankton	ZH1	9-Aug-18	mz18-108-005	1	Clupea sp.
Golder	Baffinlands	2018	Zooplankton	ZH1	9-Aug-18	mz18-108-005	6	Gadiidae indet.
Golder	Baffinlands	2018	Zooplankton	ZH2	9-Aug-18	mz18-108-006	2	Gadiidae indet.
Golder	Baffinlands	2018	Zooplankton	ZH3	9-Aug-18	mz18-108-007	1	Clupea sp.
Golder	Baffinlands	2018	Zooplankton	ZH4	9-Aug-18	mz18-108-008	1	Gadiidae indet.

Abbreviations & Definitions

Worksheets:

1. Abbreviations & Definitions	Glossary of terms and outline of report
2. Data - Matrix	Abundance data in matrix format, including total taxa (species richness) count per sample, and total abundance per sample
3. Data - Long	Abundance data in long format
4. QA/QC	Quality control report of zooplankton enumeration in QA samples

Abundance Data:

Total Taxa	Number of taxa present, not including fish eggs or higher-order taxa of which there are identified lower-level taxa (e.g. not including Calanoida indet. if <i>Microcalanus</i> sp. present).
MEMO	Incidental organisms, not part of the (not included in final count or in total taxa)
Benthic	Organisms from the benthic community (not included in final count or in total taxa)
Nauplius	Crustacean early larval stage
J	Juvenile; a non-larva without adult features
A	Adult; animal of reproductive size with adult features
L	Larvae; larval form

Size Class:

S1	< 5.0 mm
S2	< 10.0 mm
S3	< 15.0 mm
S4	< 20.0 mm
S5	< 25.0 mm

Annelids:

Epitoke	Posterior portion of an annelida capable of sexual reproduction
Metatrochophore	Early stage of annelida larvae with 2-3 segments, appearing as a trochophore with segments
Nectochaete	Annelida larval stage with >3 segments, appearing ready to settle (i.e. juvenile form)
Trochophore	Annelida larval stage with a spherical body, and a band(s) of cilia

Arthropods:

Calyptopis	Larval Euphausiacea
Cryptoniscid larvae	Larval Isopod
Cypris	Cirripede larval stage that is ready to settle
Furcilia	Larval Euphausiacea
Megalopa	Larval Decapoda
Nauplius	Crustacean early larval stage
Protozoa	Larval Decapoda
Zoea	Larval Crustacean

Bryozoans:

Cyphonautes	Bryozoan larval stage
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Copepods:

III	Calanoid copepod stage 3; with 3 abdominal segments
IV	Calanoid copepod stage 4; with 4 abdominal segments
V	Calanoid copepod stage 5; with 5 abdominal segments
Vlf	Calanoid copepod Stage 6 (reproductive, adult stage), with 6 abdominal segments. Female.
Vlm	Calanoid copepod Stage 6 (reproductive, adult stage), with 6 abdominal segments. Male.

Cnidarians:

Bract	Defensive structure
Gastrozoid	Nutritive polyp, for feeding and digestion
Gonozoid	Medusoid bud of a hydroid, sexual zooid
Medusa	Mobile form of Cnidarian
Nectophore	Medusoid locomotory structure of a siphonophore
Pneumatophore	Cnidarian gas-filled bladder
Polyp	Sedentary form of Cnidarian

Ctenophore:

Cydippid	Ctenophore larva of any stage
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Echinoderms:

Auricularia	Holothuroidea larvae (sea cucumber) with a single longitudinal ciliated band
Bipinnaria	Asteroidea larvae (sea star), first stage
Brachiolaria	Asteroidea larvae (sea star), second stage
Ophiopleutus	Ophiuroidea larvae (brittle star)
Pentacula	Holothuroidea larvae (sea cucumber)
Echinopluteus	Echinoidea larvae (sea urchin)
Pluteus	Echinoderm larvae

Molluscs:

Veliger	Mollusc larval stage with shell and velar lobes
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Nemertean:

Pilidium	Larval Nemertean
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Phoronids:

Actinotroch	Larval Phoronidae
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Sipunculids:

Pelagosphera	Larval sipunculid
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Abundance data in long format for Golder Baffinlands 2018.

Client	Project	Year	Biologica Sample #	Client Sample #	Date Sampled	Fraction	Split	Phylum	Subphylum	Class	Subclass	Order	Family	Groupcode	Taxon	Stage	Raw Abundance	Split Multiplier	Total Abundance	Unique Taxa Count	Size (mm)	Comment
Golder	Baffinlands Iron Mine	2018	mz18-108-001	BR1	2018-08-08	Fine	1/16	Arthropoda	Crustacea		Copepoda	Calanoida	Acartiidae	CRCO	Acartia sp.	V	1	16.00	16	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-001	BR1	2018-08-08	Fine	1/16	Arthropoda	Crustacea		Thecostraca	Sessilia		CRCI	Balanomorpha indet.	Cypris	1	16.00	16	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-001	BR1	2018-08-08	Fine	1/16	Mollusca		Bivalvia				MOBI	Bivalvia indet.	Veliger	2	16.00	32	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-001	BR1	2018-08-08	Fine	1/16	Bryozoa						BRYO	Bryozoa indet.	Cyphonautes	1	16.00	16	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-001	BR1	2018-08-08	Fine	1/16	Arthropoda	Crustacea		Copepoda	Calanoida		CRCO	Calanoida indet.	I-IV	19	16.00	304			
Golder	Baffinlands Iron Mine	2018	mz18-108-001	BR1	2018-08-08	Fine	1/16	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus finmarchicus	V	8	16.00	128	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-001	BR1	2018-08-08	Fine	1/16	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus finmarchicus	Vlm	1	16.00	16			
Golder	Baffinlands Iron Mine	2018	mz18-108-001	BR1	2018-08-08	Fine	1/16	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	V	5	16.00	80	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-001	BR1	2018-08-08	Fine	1/16	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	Vif	1	16.00	16			
Golder	Baffinlands Iron Mine	2018	mz18-108-001	BR1	2018-08-08	Fine	1/16	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	Vlm	1	16.00	16			
Golder	Baffinlands Iron Mine	2018	mz18-108-001	BR1	2018-08-08	Coarse 1	Whole	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus hyperboreus	V	1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-001	BR1	2018-08-08	Fine	1/16	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus sp.	I-IV	31	16.00	496			
Golder	Baffinlands Iron Mine	2018	mz18-108-001	BR1	2018-08-08	Fine	1/16	Cnidaria						CNXX	Cnidaria indet.	Medusa	6	16.00	96	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-001	BR1	2018-08-08	Fine	1/16	Arthropoda	Crustacea		Copepoda			CRCO	Copepoda indet.	Nauplius	157	16.00	2,512			
Golder	Baffinlands Iron Mine	2018	mz18-108-001	BR1	2018-08-08	Fine	1/16	Echinodermata	Echinozoa	Echinozoa				ECEC	Echinozoa indet.	Pluteus	1	16.00	16	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-001	BR1	2018-08-08	Fine	1/16	Mollusca		Gastropoda				MOGA	Gastropoda indet.	Veliger	14	16.00	224	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-001	BR1	2018-08-08	Fine	1/16	Arthropoda	Crustacea		Copepoda	Calanoida	Metridiidae	CRCO	Metridia sp.	V	1	16.00	16	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-001	BR1	2018-08-08	Fine	1/16	Arthropoda	Crustacea		Copepoda	Harpacticoida	Ectinosomatidae	CRCO	Microsetella norvegica	V	1	16.00	16	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-001	BR1	2018-08-08	Coarse 2	1/8	Chordata	Tunicata	Appendicularia		Copelata	Oikopleuridae	URAP	Oikopleura sp.	A	11	8.00	88	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-001	BR1	2018-08-08	Fine	1/16	Arthropoda	Crustacea		Copepoda	Cyclopoida	Oithonidae	CRCO	Oithona similis	Vif	3	16.00	48	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-001	BR1	2018-08-08	Fine	1/16	Arthropoda	Crustacea		Copepoda	Cyclopoida	Oithonidae	CRCO	Oithona similis	Vlm	2	16.00	32			
Golder	Baffinlands Iron Mine	2018	mz18-108-001	BR1	2018-08-08	Fine	1/16	Arthropoda	Crustacea		Copepoda	Cyclopoida	Oithonidae	CRCO	Oithona sp.	V	21	16.00	336			
Golder	Baffinlands Iron Mine	2018	mz18-108-001	BR1	2018-08-08	Fine	1/16	Arthropoda	Crustacea		Copepoda	Poecilostomatoida	Oncaeidae	CRCO	Oncaea sp.	V	5	16.00	80	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-001	BR1	2018-08-08	Coarse 1	Whole	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Uristidae	GRAM	Onisimus sp.	J	1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-001	BR1	2018-08-08	Coarse 1	Whole	Chaetognatha		Sagittoidea	Aphragmophora		Sagittidae	CHAE	Parasagitta elegans	A	11	1.00	11	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-001	BR1	2018-08-08	Fine	1/16	Arthropoda	Crustacea		Copepoda	Calanoida	Clausocalanidae	CRCO	Pseudocalanus sp. complex	V	5	16.00	80	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-001	BR1	2018-08-08	Coarse 1	Whole	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Decapoda	Crangonidae	CRDE	Sabinea septemcarinata	Megalopa	1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-001	BR1	2018-08-08	Fine	1/16	Unknown						XXXX	Unidentified	Egg	9	16.00	144			
Golder	Baffinlands Iron Mine	2018	mz18-108-001_QA	BR1_QA	2018-08-08	Fine	1/16	Arthropoda	Crustacea		Copepoda	Calanoida	Acartiidae	CRCO	Acartia sp.	V	1	16.00	16	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-001_QA	BR1_QA	2018-08-08	Fine	1/16	Arthropoda	Crustacea		Thecostraca	Sessilia		CRCI	Balanomorpha indet.	Cypris	1	16.00	16	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-001_QA	BR1_QA	2018-08-08	Fine	1/16	Mollusca		Bivalvia				MOBI	Bivalvia indet.	Veliger	1	16.00	16	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-001_QA	BR1_QA	2018-08-08	Fine	1/16	Arthropoda	Crustacea		Copepoda	Calanoida		CRCO	Calanoida indet.	I-IV	15	16.00	240			
Golder	Baffinlands Iron Mine	2018	mz18-108-001_QA	BR1_QA	2018-08-08	Fine	1/16	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus finmarchicus	V	7	16.00	112	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-001_QA	BR1_QA	2018-08-08	Fine	1/16	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	V	6	16.00	96	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-001_QA	BR1_QA	2018-08-08	Fine	1/16	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	Vif	1	16.00	16			
Golder	Baffinlands Iron Mine	2018	mz18-108-001_QA	BR1_QA	2018-08-08	Coarse 1	Whole	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus hyperboreus	V	1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-001_QA	BR1_QA	2018-08-08	Fine	1/16	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus sp.	I-IV	30	16.00	480			
Golder	Baffinlands Iron Mine	2018	mz18-108-001_QA	BR1_QA	2018-08-08	Fine	1/16	Cnidaria						CNXX	Cnidaria indet.	Medusa	6	16.00	96	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-001_QA	BR1_QA	2018-08-08	Fine	1/16	Arthropoda	Crustacea		Copepoda			CRCO	Copepoda indet.	Nauplius	137	16.00	2,192			
Golder	Baffinlands Iron Mine	2018	mz18-108-001_QA	BR1_QA	2018-08-08	Fine	1/16	Mollusca		Gastropoda				MOGA	Gastropoda indet.	Veliger	17	16.00	272	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-001_QA	BR1_QA	2018-08-08	Coarse 2	1/8	Chordata	Tunicata	Appendicularia		Copelata	Oikopleuridae	URAP	Oikopleura sp.	A	14	8.00	112	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-001_QA	BR1_QA	2018-08-08	Fine	1/16	Arthropoda	Crustacea		Copepoda	Cyclopoida	Oithonidae	CRCO	Oithona similis	Vif	3	16.00	48	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-001_QA	BR1_QA	2018-08-08	Fine	1/16	Arthropoda	Crustacea		Copepoda	Cyclopoida	Oithonidae	CRCO	Oithona similis	Vlm	2	16.00	32			
Golder	Baffinlands Iron Mine	2018	mz18-108-001_QA	BR1_QA	2018-08-08	Fine	1/16	Arthropoda	Crustacea		Copepoda	Cyclopoida	Oithonidae	CRCO	Oithona sp.	V	26	16.00	416			
Golder	Baffinlands Iron Mine	2018	mz18-108-001_QA	BR1_QA	2018-08-08	Fine	1/16	Arthropoda	Crustacea		Copepoda	Poecilostomatoida	Oncaeidae	CRCO	Oncaea sp.	V	3	16.00	48	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-001_QA	BR1_QA	2018-08-08	Coarse 1	Whole	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Uristidae	GRAM	Onisimus sp.	J	1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-001_QA	BR1_QA	2018-08-08	Coarse 1	Whole	Chaetognatha		Sagittoidea	Aphragmophora		Sagittidae	CHAE	Parasagitta elegans	A	11	1.00	11	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-001_QA	BR1_QA	2018-08-08	Fine	1/16	Arthropoda	Crustacea		Copepoda	Calanoida	Clausocalanidae	CRCO	Pseudocalanus sp. complex	V	3	16.00	48	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-001_QA	BR1_QA	2018-08-08	Fine	1/16	Arthropoda	Crustacea		Copepoda	Calanoida	Clausocalanidae	CRCO	Pseudocalanus sp. complex	Vif	1	16.00	16			
Golder	Baffinlands Iron Mine	2018	mz18-108-001_QA	BR1_QA	2018-08-08	Coarse 1	Whole	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Decapoda	Crangonidae	CRDE	Sabinea septemcarinata	Megalopa	1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-001_QA	BR1_QA	2018-08-08	Fine	1/16	Unknown						XXXX	Unidentified	Egg	6	16.00	96			
Golder	Baffinlands Iron Mine	2018	mz18-108-002	BR2	2018-08-08	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Acartiidae	CRCO	Acartia sp.	V	6	8.00	48	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-002	BR2	2018-08-08	Coarse 2	1/8	Cnidaria		Hydrozoa	Trachylinae	Narcomedusae	Solmundaeginidae	CNHY	Aeginopsis laurentii	Medusa	2	8.00	16	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-002	BR2	2018-08-08	Coarse 1	Whole	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Calliopidae	GRAM	Apherusa sp.	A	1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-002	BR2	2018-08-08	Coarse 1	Whole	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Calliopidae	GRAM	Apherusa sp.	J	1	1.00	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-002	BR2	2018-08-08	Coarse 2	1/8	Arthropoda	Crustacea		Thecostraca	Sessilia		CRCI	Balanomorpha indet.	Cypris	3	8.00	24	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-002	BR2	2018-08-08	Fine	1/128	Mollusca		Bivalvia				MOBI	Bivalvia indet.	Veliger	1	128.00	128	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-002	BR2	2018-08-08	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida		CRCO	Calanoida indet.	I-IV	43	8.00	344			
Golder	Baffinlands Iron Mine	2018	mz18-108-002	BR2	2018-08-08	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus finmarchicus	V	5	8.00	40	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-002	BR2	2018-08-08	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	V	12	8.00	96	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-002	BR2	2018-08-08	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	Vif	1	8.00	8			
Golder	Baffinlands Iron Mine	2018	mz18-108-002	BR2	2018-08-08	Coarse 1	Whole	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus hyperboreus	V	1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-002	BR2	2018-08-08	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus sp.	I-IV	72	8.00	576			
Golder	Baffinlands Iron Mine	2018	mz18-108-002	BR2	2018-08-08	Coarse 2	1/8	Cnidaria						CNXX	Cnidaria indet.	Medusa	9	8.00	72			
Golder	Baffinlands Iron Mine	2018	mz18-108-002	BR2	2018-08-08	Fine	1/128	Arthropoda	Crustacea		Copepoda			CRCO	Copepoda indet.	Nauplius	51	128.00	6,528			



Abundance data in long format for Golder Baffinlands 2018.

Client	Project	Year	Biologica Sample #	Client Sample #	Date Sampled	Fraction	Split	Phylum	Subphylum	Class	Subclass	Order	Family	Groupcode	Taxon	Stage	Raw Abundance	Split Multiplier	Total Abundance	Unique Taxa Count	Size (mm)	Comment
Golder	Baffinlands Iron Mine	2018	mz18-108-003	BR3	2018-08-08	Coarse 2	1/8	Cnidaria		Hydrozoa	Trachylinae	Narcomedusae	Solmundaeaginidae	CNHY	Aeginopsis laurentii	Medusa	2	8.00	16	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-003	BR3	2018-08-08	Coarse 2	1/8	Cnidaria		Hydrozoa	Trachylinae	Trachymedusae	Rhopalonematidae	CNHY	Aglantha sp.	Medusa	1	8.00	8	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-003	BR3	2018-08-08	Coarse 1	Whole	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Calliopidae	GRAM	Apherusa sp.	A	2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-003	BR3	2018-08-08	Coarse 2	1/8	Arthropoda	Crustacea		Thecostraca	Sessilia		CRCI	Balanomorpha indet.	Cypris	2	8.00	16	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-003	BR3	2018-08-08	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanoida indet.	I-IV	46	8.00	368			
Golder	Baffinlands Iron Mine	2018	mz18-108-003	BR3	2018-08-08	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus finmarchicus	V	11	8.00	88	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-003	BR3	2018-08-08	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus finmarchicus	Vlm	1	8.00	8			
Golder	Baffinlands Iron Mine	2018	mz18-108-003	BR3	2018-08-08	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	V	14	8.00	112	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-003	BR3	2018-08-08	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	Vlm	1	8.00	8			
Golder	Baffinlands Iron Mine	2018	mz18-108-003	BR3	2018-08-08	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus sp.	I-IV	105	8.00	840			
Golder	Baffinlands Iron Mine	2018	mz18-108-003	BR3	2018-08-08	Fine	1/128	Mollusca		Gastropoda	Heterobranchia	Pteropoda	Clionidae	MOGA	Cione limacina	J	1	128.00	128	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-003	BR3	2018-08-08	Coarse 2	1/8	Cnidaria						CNXX	Cnidaria indet.	Medusa	3	8.00	24			
Golder	Baffinlands Iron Mine	2018	mz18-108-003	BR3	2018-08-08	Fine	1/128	Arthropoda	Crustacea					CRCO	Copepoda indet.	Nauplius	53	128.00	6,784			
Golder	Baffinlands Iron Mine	2018	mz18-108-003	BR3	2018-08-08	Fine	1/128	Arthropoda	Crustacea					CRXX	Crustacea indet.	Nauplius	1	128.00	128			
Golder	Baffinlands Iron Mine	2018	mz18-108-003	BR3	2018-08-08	Coarse 2	1/8	Echinodermata	Echinozoa		Echinozoa			ECEC	Echinozoa indet.	Pluteus	2	8.00	16	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-003	BR3	2018-08-08	Fine	1/128	Mollusca		Gastropoda				MOGA	Gastropoda indet.	Veliger	1	128.00	128			
Golder	Baffinlands Iron Mine	2018	mz18-108-003	BR3	2018-08-08	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Harpacticoida		CRCO	Harpacticoida indet.	I-IV	1	8.00	8	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-003	BR3	2018-08-08	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Clausocalanidae	CRCO	Microcalanus sp.	V	1	8.00	8	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-003	BR3	2018-08-08	Coarse 2	1/8	Chordata	Tunicata	Appendicularia		Copelata	Oikopleuridae	URAP	Oikopleura sp.	A	6	8.00	48	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-003	BR3	2018-08-08	Fine	1/128	Arthropoda	Crustacea		Copepoda	Cyclopoida		CRCO	Oithona sp.	I-IV	14	128.00	1,792	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-003	BR3	2018-08-08	Fine	1/128	Arthropoda	Crustacea		Copepoda	Cyclopoida	Oithonidae	CRCO	Oithona sp.	V	5	128.00	640			
Golder	Baffinlands Iron Mine	2018	mz18-108-003	BR3	2018-08-08	Coarse 1	Whole	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Uristidae	GRAM	Onisimus sp.	A	1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-003	BR3	2018-08-08	Coarse 1	Whole	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Uristidae	GRAM	Onisimus sp.	J	1	1.00	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-003	BR3	2018-08-08	Coarse 1	Whole	Chaetognatha		Sagittoidea	Aphragmophora		Sagittidae	CHAE	Parasagitta elegans	A	5	1.00	5	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-003	BR3	2018-08-08	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Clausocalanidae	CRCO	Pseudocalanus sp. complex	V	8	8.00	64	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-003	BR3	2018-08-08	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Clausocalanidae	CRCO	Pseudocalanus sp. complex	Vif	1	8.00	8			
Golder	Baffinlands Iron Mine	2018	mz18-108-003	BR3	2018-08-08	Fine	1/128	Unknown						XXXX	Unidentified	Egg	1	128.00	128			
Golder	Baffinlands Iron Mine	2018	mz18-108-004	BR4	2018-08-08	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Acartiidae	CRCO	Acartia sp.	V	4	8.00	32	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-004	BR4	2018-08-08	Coarse 2	1/8	Cnidaria		Hydrozoa	Trachylinae	Narcomedusae	Solmundaeaginidae	CNHY	Aeginopsis laurentii	Medusa	1	8.00	8	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-004	BR4	2018-08-08	Coarse 1	Whole	Cnidaria		Hydrozoa	Trachylinae	Trachymedusae	Rhopalonematidae	CNHY	Aglantha digitale	Medusa	4	1.00	4	1	5-10	
Golder	Baffinlands Iron Mine	2018	mz18-108-004	BR4	2018-08-08	Coarse 2	1/8	Cnidaria		Hydrozoa	Trachylinae	Trachymedusae	Rhopalonematidae	CNHY	Aglantha digitale	Medusa	1	8.00	8		2-3	
Golder	Baffinlands Iron Mine	2018	mz18-108-004	BR4	2018-08-08	Coarse 2	1/8	Arthropoda	Crustacea		Thecostraca	Sessilia		CRCI	Balanomorpha indet.	Cypris	5	8.00	40	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-004	BR4	2018-08-08	Fine	1/128	Mollusca		Bivalvia				MOBI	Bivalvia indet.	Veliger	9	128.00	1,152	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-004	BR4	2018-08-08	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida		CRCO	Calanoida indet.	I-IV	30	8.00	240			
Golder	Baffinlands Iron Mine	2018	mz18-108-004	BR4	2018-08-08	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus finmarchicus	V	15	8.00	120	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-004	BR4	2018-08-08	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	V	15	8.00	120	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-004	BR4	2018-08-08	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus sp.	I-IV	86	8.00	688			
Golder	Baffinlands Iron Mine	2018	mz18-108-004	BR4	2018-08-08	Coarse 2	1/8	Cnidaria						CNXX	Cnidaria indet.	Medusa	9	8.00	72			
Golder	Baffinlands Iron Mine	2018	mz18-108-004	BR4	2018-08-08	Fine	1/128	Arthropoda	Crustacea					CRXX	Copepoda indet.	Nauplius	44	128.00	5,632			
Golder	Baffinlands Iron Mine	2018	mz18-108-004	BR4	2018-08-08	Fine	1/128	Arthropoda	Crustacea					CRXX	Crustacea indet.	Nauplius	1	128.00	128			
Golder	Baffinlands Iron Mine	2018	mz18-108-004	BR4	2018-08-08	Fine	1/128	Echinodermata	Echinozoa		Echinozoa			ECEC	Echinozoa indet.	Pluteus	1	128.00	128	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-004	BR4	2018-08-08	Fine	1/128	Mollusca		Gastropoda				MOGA	Gastropoda indet.	Veliger	32	128.00	4,096	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-004	BR4	2018-08-08	Coarse 1	Whole	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda		GRAM	Lysianassoidea indet.	J	1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-004	BR4	2018-08-08	Coarse 2	1/8	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Mysida	Mysidae	CRMV	Mysis sp.	A	1	8.00	8	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-004	BR4	2018-08-08	Coarse 2	1/8	Chordata	Tunicata	Appendicularia		Copelata	Oikopleuridae	URAP	Oikopleura sp.	A	11	8.00	88	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-004	BR4	2018-08-08	Coarse 2	1/8	Chordata	Tunicata	Appendicularia		Copelata	Oikopleuridae	URAP	Oikopleura sp.	J	1	8.00	8			
Golder	Baffinlands Iron Mine	2018	mz18-108-004	BR4	2018-08-08	Fine	1/128	Arthropoda	Crustacea		Copepoda	Cyclopoida	Oithonidae	CRCO	Oithona sp.	I-IV	24	128.00	3,072	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-004	BR4	2018-08-08	Fine	1/128	Arthropoda	Crustacea		Copepoda	Cyclopoida	Oithonidae	CRCO	Oithona sp.	V	5	128.00	640			
Golder	Baffinlands Iron Mine	2018	mz18-108-004	BR4	2018-08-08	Fine	1/128	Arthropoda	Crustacea		Copepoda	Poecilostomatoida	Oncaeidae	CRCO	Oncaea sp.	V	2	128.00	256			
Golder	Baffinlands Iron Mine	2018	mz18-108-004	BR4	2018-08-08	Fine	1/128	Arthropoda	Crustacea		Copepoda	Poecilostomatoida	Oncaeidae	CRCO	Oncaea sp.	I-IV	2	128.00	256	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-004	BR4	2018-08-08	Coarse 1	Whole	Chaetognatha		Sagittoidea	Aphragmophora		Sagittidae	CHAE	Parasagitta elegans	A	9	1.00	9	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-004	BR4	2018-08-08	Coarse 2	1/8	Chaetognatha		Sagittoidea	Aphragmophora		Sagittidae	CHAE	Parasagitta sp.	J	2	8.00	16			
Golder	Baffinlands Iron Mine	2018	mz18-108-004	BR4	2018-08-08	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Clausocalanidae	CRCO	Pseudocalanus sp. complex	V	19	8.00	152	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-004	BR4	2018-08-08	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Clausocalanidae	CRCO	Pseudocalanus sp. complex	Vif	4	8.00	32			
Golder	Baffinlands Iron Mine	2018	mz18-108-004	BR4	2018-08-08	Fine	1/128	Unknown						XXXX	Unidentified	Egg	3	128.00	384			
Golder	Baffinlands Iron Mine	2018	mz18-108-005	ZH1	2018-08-09	Fine	1/128	Arthropoda	Crustacea		Copepoda	Calanoida	Acartiidae	CRCO	Acartia sp.	V	2	128.00	256	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-005	ZH1	2018-08-09	Coarse 1	Whole	Cnidaria		Hydrozoa	Trachylinae	Trachymedusae	Rhopalonematidae	CNHY	Aglantha sp.	Medusa	1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-005	ZH1	2018-08-09	Fine	1/128	Arthropoda	Crustacea		Thecostraca	Sessilia		CRCI	Balanomorpha indet.	Cypris	1	128.00	128	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-005	ZH1	2018-08-09	Fine	1/128	Mollusca		Bivalvia				MOBI	Bivalvia indet.	Veliger	1	128.00	128	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-005	ZH1	2018-08-09	Fine	1/128	Arthropoda	Crustacea		Copepoda	Calanoida		CRCO	Calanoida indet.	I-IV	34	128.00	4,352			
Golder	Baffinlands Iron Mine	2018	mz18-108-005	ZH1	2018-08-09	Fine	1/128	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus finmarchicus	V	43	128.00	5,504	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-005	ZH1	2018-08-09	Fine	1/128	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus finmarchicus	Vif	1	128.00	128			
Golder	Baffinlands Iron Mine	2018	mz18-108-005	ZH1	2018-08-09	Fine	1/128	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus finmarchicus	Vlm	1	128.00	128			
Golder	Baffinlands Iron Mine	2018	mz18-108-005	ZH1	2018-08-09	Fine	1/128	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	V	46	128.00	5,888	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-005	ZH1	2018-08-09	Fine	1/128	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	Vif	2</					



Abundance data in long format for Golder Baffinlands 2018.

Client	Project	Year	Biologica Sample #	Client Sample #	Date Sampled	Fraction	Split	Phylum	Subphylum	Class	Subclass	Order	Family	Groupcode	Taxon	Stage	Raw Abundance	Split Multiplier	Total Abundance	Unique Taxa Count	Size (mm)	Comment	
Golder	Baffinlands Iron Mine	2018	mz18-108-005	ZH1	2018-08-09	Fine	1/128	Arthropoda	Crustacea		Copepoda	Calanoida	Clausocalanidae	CRCO	Pseudocalanus sp. complex	V	24	128.00	3,072	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-005	ZH1	2018-08-09	Fine	1/128	Arthropoda	Crustacea		Copepoda	Calanoida	Clausocalanidae	CRCO	Pseudocalanus sp. complex	Vlm	1	128.00	128				
Golder	Baffinlands Iron Mine	2018	mz18-108-005	ZH1	2018-08-09	Coarse 1	Whole	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Decapoda	Crangonidae	CRDE	Sabinea septemcarinata	Megalopa	2	1.00	2	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-005	ZH1	2018-08-09	Coarse 1	Whole	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Hyperiididae	CRAM	Themisto libellula	A	8	1.00	8	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-005	ZH1	2018-08-09	Coarse 2	1/16	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Hyperiididae	CRAM	Themisto sp.	J	2	16.00	32				
Golder	Baffinlands Iron Mine	2018	mz18-108-006	ZH2	2018-08-09	Fine	9/1024	Arthropoda	Crustacea		Copepoda	Calanoida	Acartiidae	CRCO	Acartia sp.	V	2	113.78	228	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-006	ZH2	2018-08-09	Fine	9/1024	Arthropoda	Crustacea		Copepoda	Calanoida	Acartiidae	CRCI	Balanomorpha indet.	Cypris	1	113.78	114	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-006	ZH2	2018-08-09	Fine	9/1024	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanoida indet.	I-IV	39	113.78	4,437				
Golder	Baffinlands Iron Mine	2018	mz18-108-006	ZH2	2018-08-09	Fine	9/1024	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus finmarchicus	V	8	113.78	910	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-006	ZH2	2018-08-09	Fine	9/1024	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	V	35	113.78	3,982	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-006	ZH2	2018-08-09	Fine	9/1024	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	Vif	1	113.78	114				
Golder	Baffinlands Iron Mine	2018	mz18-108-006	ZH2	2018-08-09	Fine	9/1024	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	Vlm	1	113.78	114				
Golder	Baffinlands Iron Mine	2018	mz18-108-006	ZH2	2018-08-09	Coarse	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus hyperboreus	V	5	8.00	40	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-006	ZH2	2018-08-09	Coarse	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus hyperboreus	Vif	4	8.00	32				
Golder	Baffinlands Iron Mine	2018	mz18-108-006	ZH2	2018-08-09	Fine	9/1024	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus sp.	I-IV	54	113.78	6,144				
Golder	Baffinlands Iron Mine	2018	mz18-108-006	ZH2	2018-08-09	Coarse	1/8	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Decapoda		CRDE	Caridea indet.	Zoea	1	8.00	8				
Golder	Baffinlands Iron Mine	2018	mz18-108-006	ZH2	2018-08-09	Coarse	1/8	Mollusca		Gastropoda	Heterobranchia	Pteropoda	Clionidae	MOGA	Clione limacina	A	2	8.00	16	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-006	ZH2	2018-08-09	Coarse	1/8	Mollusca		Gastropoda	Heterobranchia	Pteropoda	Clionidae	MOGA	Clione limacina	J	1	8.00	8				
Golder	Baffinlands Iron Mine	2018	mz18-108-006	ZH2	2018-08-09	Fine	9/1024	Cnidaria					CNXX	Cnidaria indet.	Medusa	3	113.78	341	1				
Golder	Baffinlands Iron Mine	2018	mz18-108-006	ZH2	2018-08-09	Fine	9/1024	Arthropoda	Crustacea		Copepoda	Calanoida	Clausocalanidae	CRCO	Ctenocalanus sp.	V	1	113.78	114	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-006	ZH2	2018-08-09	Coarse	1/8	Chordata	Vertebrata	Actinopteri		Gadiformes	Gadidae	PIXX	Gadidae indet.	L	2	8.00	16	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-006	ZH2	2018-08-09	Fine	9/1024	Mollusca		Gastropoda				MOGA	Gastropoda indet.	Veliger	15	113.78	1,707				
Golder	Baffinlands Iron Mine	2018	mz18-108-006	ZH2	2018-08-09	Fine	9/1024	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Hyperiididae	CRAM	Hyperiididae indet.	J	2	113.78	228	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-006	ZH2	2018-08-09	Coarse	1/8	Mollusca		Gastropoda	Heterobranchia	Pteropoda	Limacinidae	MOGA	Limacina helicina	A	1	8.00	8	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-006	ZH2	2018-08-09	Coarse	1/8	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda		CRAM	Lysianassoidea indet.	J	6	8.00	48				
Golder	Baffinlands Iron Mine	2018	mz18-108-006	ZH2	2018-08-09	Fine	9/1024	Arthropoda	Crustacea		Copepoda	Calanoida	Clausocalanidae	CRCO	Microcalanus sp.	V	1	113.78	114	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-006	ZH2	2018-08-09	Fine	9/1024	Arthropoda	Crustacea		Copepoda	Cyclopoida	Oithonidae	CRCO	Oithona sp.	V	1	113.78	114	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-006	ZH2	2018-08-09	Coarse	1/8	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Uristidae	CRAM	Onisimus sp.	A	1	8.00	8	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-006	ZH2	2018-08-09	Coarse	1/8	Chaetognatha		Sagittoidea	Aphragmophora		Sagittidae	CHAE	Parasagitta elegans	A	71	8.00	568	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-006	ZH2	2018-08-09	Fine	9/1024	Chaetognatha		Sagittoidea	Aphragmophora		Sagittidae	CHAE	Parasagitta sp.	J	4	113.78	455				
Golder	Baffinlands Iron Mine	2018	mz18-108-006	ZH2	2018-08-09	Fine	9/1024	Arthropoda	Crustacea		Copepoda	Calanoida	Clausocalanidae	CRCO	Pseudocalanus sp. complex	V	31	113.78	3,527	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-006	ZH2	2018-08-09	Coarse	1/8	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Decapoda	Crangonidae	CRDE	Sabinea septemcarinata	Zoea	4	8.00	32	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-006	ZH2	2018-08-09	Fine	9/1024	Arthropoda	Crustacea		Copepoda	Calanoida	Scolecitrichidae	CRCO	Scolecitrichella sp.	V	1	113.78	114	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-006	ZH2	2018-08-09	Coarse	1/8	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Hyperiididae	CRAM	Themisto sp.	A	8	8.00	64	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-007	ZH3	2018-08-09	Fine	1/128	Arthropoda	Crustacea		Copepoda	Calanoida	Acartiidae	CRCO	Acartia sp.	V	4	128.00	512	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-007	ZH3	2018-08-09	Coarse	Whole	Ctenophora		Nuda		Beroidea	Beroidea	CTEN	Beroe sp.	A	1	1.00	1	1		>10	
Golder	Baffinlands Iron Mine	2018	mz18-108-007	ZH3	2018-08-09	Fine	1/128	Arthropoda	Crustacea		Copepoda	Calanoida	Calanoida indet.	CRCO	Calanoida indet.	I-IV	60	128.00	7,680				
Golder	Baffinlands Iron Mine	2018	mz18-108-007	ZH3	2018-08-09	Fine	1/128	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus finmarchicus	V	27	128.00	3,456	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-007	ZH3	2018-08-09	Fine	1/128	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	V	73	128.00	9,344	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-007	ZH3	2018-08-09	Fine	1/128	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	Vif	2	128.00	256				
Golder	Baffinlands Iron Mine	2018	mz18-108-007	ZH3	2018-08-09	Fine	1/128	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	Vlm	3	128.00	384				
Golder	Baffinlands Iron Mine	2018	mz18-108-007	ZH3	2018-08-09	Coarse	Whole	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus hyperboreus	Vif	1	1.00	1				
Golder	Baffinlands Iron Mine	2018	mz18-108-007	ZH3	2018-08-09	Fine	1/128	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus hyperboreus	V	5	128.00	640	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-007	ZH3	2018-08-09	Fine	1/128	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus sp.	I-IV	73	128.00	9,344				
Golder	Baffinlands Iron Mine	2018	mz18-108-007	ZH3	2018-08-09	Coarse	Whole	Cnidaria		Hydrozoa	Hydroidolina	Anthothecata	Pandeidae	CNHY	Catablemma vesicarium	Medusa	1	1.00	1	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-007	ZH3	2018-08-09	Coarse	Whole	Mollusca		Gastropoda	Heterobranchia	Pteropoda	Clionidae	MOGA	Clione limacina	A	4	1.00	4	1		>10	
Golder	Baffinlands Iron Mine	2018	mz18-108-007	ZH3	2018-08-09	Coarse	Whole	Chordata	Vertebrata	Actinopteri		Perciformes	Ammodytidae	PIXX	Ammodytes sp.	L	1	1.00	1	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-007	ZH3	2018-08-09	Coarse	Whole	Cnidaria					CNXX	Cnidaria indet.	Medusa	2	1.00	2			5-10	Damaged	
Golder	Baffinlands Iron Mine	2018	mz18-108-007	ZH3	2018-08-09	Fine	1/128	Cnidaria					CNXX	Cnidaria indet.	Medusa	2	128.00	256			<5		
Golder	Baffinlands Iron Mine	2018	mz18-108-007	ZH3	2018-08-09	Fine	1/128	Arthropoda	Crustacea		Copepoda	Calanoida	Clausocalanidae	CRCO	Ctenocalanus vanus	V	1	128.00	128	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-007	ZH3	2018-08-09	Fine	1/128	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Euphausiacea		CREU	Euphausiacea indet.	Nauplius	4	128.00	512	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-007	ZH3	2018-08-09	Fine	1/128	Mollusca		Gastropoda				MOGA	Gastropoda indet.	Veliger	38	128.00	4,864				
Golder	Baffinlands Iron Mine	2018	mz18-108-007	ZH3	2018-08-09	Fine	1/128	Chordata	Tunicata	Appendicularia		Copelata	Oikopleuridae	URAP	Oikopleura sp.	A	5	128.00	640	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-007	ZH3	2018-08-09	Fine	1/128	Arthropoda	Crustacea		Copepoda	Cyclopoida	Oithonidae	CRCO	Oithona similis	Vif	2	128.00	256	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-007	ZH3	2018-08-09	Fine	1/128	Arthropoda	Crustacea		Copepoda	Cyclopoida	Oithonidae	CRCO	Oithona sp.	V	3	128.00	384				
Golder	Baffinlands Iron Mine	2018	mz18-108-007	ZH3	2018-08-09	Coarse	Whole	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Uristidae	CRAM	Onisimus sp.	A	2	1.00	2	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-007	ZH3	2018-08-09	Fine	1/128	Arthropoda	Crustacea	Ostracoda				CROS	Ostracoda indet.	A	2	128.00	256	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-007	ZH3	2018-08-09	Fine	1/128	Chaetognatha		Sagittoidea	Aphragmophora		Sagittidae	CHAE	Parasagitta elegans	A	20	128.00	2,560	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-007	ZH3	2018-08-09	Fine	1/128	Chaetognatha		Sagittoidea	Aphragmophora		Sagittidae	CHAE	Parasagitta sp.	J	3	128.00	384				
Golder	Baffinlands Iron Mine	2018	mz18-108-007	ZH3	2018-08-09	Fine	1/128	Annelida		Polychaeta			POXX	Polychaeta indet.	Nectochaete	1	128.00	128	1				
Golder	Baffinlands Iron Mine	2018	mz18-108-007	ZH3	2018-08-09	Fine	1/128	Arthropoda	Crustacea		Copepoda	Calanoida	Clausocalanidae	CRCO	Pseudocalanus sp. complex	V	42	128.00	5,376	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-007	ZH3	2018-08-09	Fine	1/128	Arthropoda	Crustacea		Copepoda	Calanoida	Clausocalanidae	CRCO	Pseudocalanus sp. complex	Vif	2	128.00	256				
Golder	Baffinlands Iron Mine	2018	mz18-108-007	ZH3	2018-08-09	Fine	1/128	Arthropoda	Crustacea		Copepoda	Calanoida	Clausocalanidae	CRCO	Pseudocalanus sp. complex	Vlm	1	128.00	128				
Golder	Baffinlands Iron Mine																						



Abundance data in long format for Golder Baffinlands 2018.

Client	Project	Year	Biologica Sample #	Client Sample #	Date Sampled	Fraction	Split	Phylum	Subphylum	Class	Subclass	Order	Family	Groupcode	Taxon	Stage	Raw Abundance	Split Multiplier	Total Abundance	Unique Taxa Count	Size (mm)	Comment
Golder	Baffinlands Iron Mine	2018	mz18-108-008	ZH4	2018-08-09	Coarse	Whole	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda		GRAM	Lysianassoidea indet.	J	1	1.00	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-008	ZH4	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Calanoida	Metridiidae	CRCO	Metridia sp.	V	1	64.00	64	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-008	ZH4	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Calanoida	Metridiidae	CRCO	Metridia sp.	Vif	1	64.00	64			
Golder	Baffinlands Iron Mine	2018	mz18-108-008	ZH4	2018-08-09	Fine	1/64	Chordata	Tunicata	Appendicularia		Copelata	Oikopleuridae	URAP	Oikopleura sp.	A	4	64.00	256	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-008	ZH4	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Cyclopoida	Oithonidae	CRCO	Oithona sp.	V	1	64.00	64	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-008	ZH4	2018-08-09	Coarse	Whole	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Uristidae	GRAM	Onisimus sp.	A	5	1.00	5	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-008	ZH4	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Ostracoda			CROS	Ostracoda indet.	A	1	64.00	64	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-008	ZH4	2018-08-09	Fine	1/64	Chaetognatha		Sagittoidea	Aphragmophora		Sagittidae	CHAE	Parasagitta elegans	A	13	64.00	832	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-008	ZH4	2018-08-09	Fine	1/64	Chaetognatha		Sagittoidea	Aphragmophora		Sagittidae	CHAE	Parasagitta sp.	J	4	64.00	256			
Golder	Baffinlands Iron Mine	2018	mz18-108-008	ZH4	2018-08-09	Fine	1/64	Annelida		Polychaeta				POXX	Polychaeta indet.	Nectochaete	1	64.00	64	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-008	ZH4	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Calanoida	Clausocalanidae	CRCO	Pseudocalanus sp. complex	V	30	64.00	1,920	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-008	ZH4	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Calanoida	Clausocalanidae	CRCO	Pseudocalanus sp. complex	Vif	2	64.00	128			
Golder	Baffinlands Iron Mine	2018	mz18-108-008	ZH4	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Calanoida	Clausocalanidae	CRCO	Pseudocalanus sp. complex	Vlm	1	64.00	64			
Golder	Baffinlands Iron Mine	2018	mz18-108-008	ZH4	2018-08-09	Coarse	Whole	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Decapoda	Crangonidae	CRDE	Sabinea septemcarinata	Megalopa	1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-008	ZH4	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Calanoida	Scolecitrichidae	CRCO	Scolecitrichella sp.	V	1	64.00	64	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-008	ZH4	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Calanoida	Scolecitrichidae	CRCO	Scolecitrichella sp.	Vif	1	64.00	64			
Golder	Baffinlands Iron Mine	2018	mz18-108-008	ZH4	2018-08-09	Coarse	Whole	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Hyperiidae	GRAM	Themisto libellula	A	8	1.00	8	1		>10
Golder	Baffinlands Iron Mine	2018	mz18-108-008	ZH4	2018-08-09	Coarse	Whole	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Hyperiidae	GRAM	Themisto sp.	J	1	1.00	1			<5
Golder	Baffinlands Iron Mine	2018	mz18-108-008	ZH4	2018-08-09	Fine	1/64	Unknown						XXXX	Unidentified	Egg	1	64.00	64			
Golder	Baffinlands Iron Mine	2018	mz18-108-008_QA	ZH4_QA	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Calanoida	Acartiidae	CRCO	Acartia sp.	V	1	64.00	64	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-008_QA	ZH4_QA	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Thecostraca	Sessilia		CRCI	Balanomorpha indet.	Cypris	1	64.00	64	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-008_QA	ZH4_QA	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Calanoida		CRCO	Calanoida indet.	I-IV	50	64.00	3,200			
Golder	Baffinlands Iron Mine	2018	mz18-108-008_QA	ZH4_QA	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus finmarchicus	V	22	64.00	1,408	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-008_QA	ZH4_QA	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus finmarchicus	Vif	1	64.00	64			
Golder	Baffinlands Iron Mine	2018	mz18-108-008_QA	ZH4_QA	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	V	64	64.00	4,096	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-008_QA	ZH4_QA	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	Vif	3	64.00	192			
Golder	Baffinlands Iron Mine	2018	mz18-108-008_QA	ZH4_QA	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	Vlm	2	64.00	128			
Golder	Baffinlands Iron Mine	2018	mz18-108-008_QA	ZH4_QA	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus hyperboreus	V	2	64.00	128	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-008_QA	ZH4_QA	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus hyperboreus	Vif	2	64.00	128			
Golder	Baffinlands Iron Mine	2018	mz18-108-008_QA	ZH4_QA	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus sp.	I-IV	77	64.00	4,928			
Golder	Baffinlands Iron Mine	2018	mz18-108-008_QA	ZH4_QA	2018-08-09	Coarse	Whole	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Decapoda		CRDE	Caridea indet.	Megalopa	1	1.00	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-008_QA	ZH4_QA	2018-08-09	Coarse	Whole	Cnidaria		Hydrozoa	Hydroidolina	Anthoathecata	Pandeidae	CNHY	Catabela vesicarium	Medusa	1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-008_QA	ZH4_QA	2018-08-09	Coarse	Whole	Mollusca		Gastropoda	Heterobranchia	Pteropoda	Clionidae	MOGA	Cione limacina	A	4	1.00	4	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-008_QA	ZH4_QA	2018-08-09	Fine	1/64	Cnidaria						CNXX	Cnidaria indet.	Medusa	4	64.00	256			
Golder	Baffinlands Iron Mine	2018	mz18-108-008_QA	ZH4_QA	2018-08-09	Coarse	Whole	Chordata	Vertebrata	Actinopteri		Gadiformes	Gadidae	PIXX	Gadidae indet.	L	1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-008_QA	ZH4_QA	2018-08-09	Fine	1/64	Mollusca		Gastropoda				MOGA	Gastropoda indet.	Veliger	41	64.00	2,624			
Golder	Baffinlands Iron Mine	2018	mz18-108-008_QA	ZH4_QA	2018-08-09	Fine	1/64	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Hyperiidae	GRAM	Hyperiidae indet.	J	2	64.00	128	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-008_QA	ZH4_QA	2018-08-09	Coarse	Whole	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda		GRAM	Lysianassoidea indet.	J	1	1.00	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-008_QA	ZH4_QA	2018-08-09	Fine	1/64	Chordata	Tunicata	Appendicularia		Copelata	Oikopleuridae	URAP	Oikopleura sp.	A	6	64.00	384	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-008_QA	ZH4_QA	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Cyclopoida	Oithonidae	CRCO	Oithona atlantica	Vif	1	64.00	64	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-008_QA	ZH4_QA	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Cyclopoida	Oithonidae	CRCO	Oithona similis	Vif	1	64.00	64	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-008_QA	ZH4_QA	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Cyclopoida	Oithonidae	CRCO	Oithona sp.	V	2	64.00	128			
Golder	Baffinlands Iron Mine	2018	mz18-108-008_QA	ZH4_QA	2018-08-09	Coarse	Whole	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda		GRAM	Onisimus sp.	A	5	1.00	5	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-008_QA	ZH4_QA	2018-08-09	Fine	1/64	Chaetognatha		Sagittoidea	Aphragmophora		Sagittidae	CHAE	Parasagitta elegans	A	14	64.00	896	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-008_QA	ZH4_QA	2018-08-09	Fine	1/64	Chaetognatha		Sagittoidea	Aphragmophora		Sagittidae	CHAE	Parasagitta sp.	J	3	64.00	192			
Golder	Baffinlands Iron Mine	2018	mz18-108-008_QA	ZH4_QA	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Calanoida	Clausocalanidae	CRCO	Pseudocalanus sp. complex	V	35	64.00	2,240	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-008_QA	ZH4_QA	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Calanoida	Clausocalanidae	CRCO	Pseudocalanus sp. complex	Vif	3	64.00	192			
Golder	Baffinlands Iron Mine	2018	mz18-108-008_QA	ZH4_QA	2018-08-09	Coarse	Whole	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Decapoda	Crangonidae	CRDE	Sabinea septemcarinata	Megalopa	1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-008_QA	ZH4_QA	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Calanoida	Scolecitrichidae	CRCO	Scolecitrichella sp.	V	2	64.00	128	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-008_QA	ZH4_QA	2018-08-09	Coarse	Whole	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Hyperiidae	GRAM	Themisto libellula	A	8	1.00	8	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-008_QA	ZH4_QA	2018-08-09	Coarse	Whole	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Hyperiidae	GRAM	Themisto sp.	J	1	1.00	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-009	ZH5	2018-08-09	Fine	1/32	Arthropoda	Crustacea		Copepoda	Calanoida	Acartiidae	CRCO	Acartia sp.	V	7	32.00	224	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-009	ZH5	2018-08-09	Coarse	Whole	Cnidaria		Hydrozoa	Trachylinae	Trachymedusae	Rhopalonematidae	CNHY	Aglantha digitale	Medusa	1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-009	ZH5	2018-08-09	Fine	1/32	MEMO						MEMO	Amphipoda indet.	J	1	32.00	32			Benthic
Golder	Baffinlands Iron Mine	2018	mz18-108-009	ZH5	2018-08-09	Coarse	Whole	Ctenophora		Nuda		Beroidea	Beroidea	CTEN	Beroe sp.	A	1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-009	ZH5	2018-08-09	Fine	1/32	Arthropoda	Crustacea		Copepoda	Calanoida		CRCO	Calanoida indet.	I-IV	49	32.00	1,568			
Golder	Baffinlands Iron Mine	2018	mz18-108-009	ZH5	2018-08-09	Fine	1/32	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus finmarchicus	V	21	32.00	672	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-009	ZH5	2018-08-09	Fine	1/32	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	V	44	32.00	1,408	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-009	ZH5	2018-08-09	Fine	1/32	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	Vif	2	32.00	64			
Golder	Baffinlands Iron Mine	2018	mz18-108-009	ZH5	2018-08-09	Coarse	Whole	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus hyperboreus	Vif	1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-009	ZH5	2018-08-09	Fine	1/32	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus sp.	I-IV	72	32.00	2,304			
Golder	Baffinlands Iron Mine	2018	mz18-108-009	ZH5	2018-08-09	Coarse	Whole	Cnidaria		Hydrozoa	Hydroidolina	Anthoathecata	Pandeidae	CNHY	Catabela vesicarium	Medusa	1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-009	ZH5	2018-08-09	Coarse	Whole	Mollusca		Gastropoda	Heterobranchia	Pteropoda	Clionidae	MOGA	Cione limacina	A	4	1.00	4	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-009	ZH5	2018-08-09	Coarse	Whole	Cnidaria						CNXX	Cnidaria indet.	Medusa	3	1.00	3			5-10
Golder	Baffinlands Iron Mine	2018	mz18-108-009	ZH5	2018-08-09</																	



Abundance data in long format for Golder Baffinlands 2018.

Client	Project	Year	Biologica Sample #	Client Sample #	Date Sampled	Fraction	Split	Phylum	Subphylum	Class	Subclass	Order	Family	Groupcode	Taxon	Stage	Raw Abundance	Split Multiplier	Total Abundance	Unique Taxa Count	Size (mm)	Comment
Golder	Baffinlands Iron Mine	2018	mz18-108-010	ZH6	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Calanoida		CRCO	Calanoida indet.	I-IV	22	64.00	1,408			
Golder	Baffinlands Iron Mine	2018	mz18-108-010	ZH6	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus finmarchicus	V	48	64.00	3,072	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-010	ZH6	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus finmarchicus	Vif	1	64.00	64			
Golder	Baffinlands Iron Mine	2018	mz18-108-010	ZH6	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus finmarchicus	Vlm	1	64.00	64			
Golder	Baffinlands Iron Mine	2018	mz18-108-010	ZH6	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	V	22	64.00	1,408	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-010	ZH6	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	Vlm	1	64.00	64			
Golder	Baffinlands Iron Mine	2018	mz18-108-010	ZH6	2018-08-09	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus hyperboreus	V	3	8.00	24	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-010	ZH6	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus sp.	I-IV	113	64.00	7,232			
Golder	Baffinlands Iron Mine	2018	mz18-108-010	ZH6	2018-08-09	Coarse 2	1/8	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Decapoda		CRDE	Caridea indet.	Zoea	1	8.00	8			
Golder	Baffinlands Iron Mine	2018	mz18-108-010	ZH6	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Calanoida	Centropagidae	CRCO	Centropages sp.	V	1	64.00	64	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-010	ZH6	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Calanoida	Centropagidae	CRCO	Centropages sp.	Vlm	1	64.00	64			
Golder	Baffinlands Iron Mine	2018	mz18-108-010	ZH6	2018-08-09	Fine	1/64	MEMO						MEMO	Chironomidae indet.	L	1	64.00	64			Benthic
Golder	Baffinlands Iron Mine	2018	mz18-108-010	ZH6	2018-08-09	Coarse 1	Whole	Mollusca		Gastropoda	Heterobranchia	Pteropoda	Clionidae	MOGA	Cione limacina	A	3	1.00	3	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-010	ZH6	2018-08-09	Fine	1/64	Mollusca		Gastropoda	Heterobranchia	Pteropoda	Clionidae	MOGA	Cione limacina	J	1	64.00	64		3	
Golder	Baffinlands Iron Mine	2018	mz18-108-010	ZH6	2018-08-09	Coarse 1	Whole	Cnidaria						CNXX	Cnidaria indet.	Medusa	6	1.00	6		>10	Damaged
Golder	Baffinlands Iron Mine	2018	mz18-108-010	ZH6	2018-08-09	Coarse 2	1/8	Cnidaria						CNXX	Cnidaria indet.	Medusa	2	8.00	16		<5	
Golder	Baffinlands Iron Mine	2018	mz18-108-010	ZH6	2018-08-09	Fine	1/64	Cnidaria						CNXX	Cnidaria indet.	Medusa	1	64.00	64		5-10	
Golder	Baffinlands Iron Mine	2018	mz18-108-010	ZH6	2018-08-09	Coarse 1	Whole	Cnidaria	Hydrozoa	Hydroidolina	Anthoathecata	Corymorphidae	CNHY	Euphysa sp.	Medusa	1	1.00	1	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-010	ZH6	2018-08-09	Fine	1/64	Mollusca		Gastropoda				MOGA	Gastropoda indet.	Veliger	13	64.00	832			
Golder	Baffinlands Iron Mine	2018	mz18-108-010	ZH6	2018-08-09	Fine	1/64	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Isopoda		CRIS	Isopoda indet.	Cryptoniscid	1	64.00	64	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-010	ZH6	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Calanoida	Clausocalanidae	CRCO	Microcalanus sp.	V	1	64.00	64	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-010	ZH6	2018-08-09	Coarse 2	1/8	Chordata	Tunicata	Appendicularia		Copelata	Oikopleuridae	URAP	Oikopleura sp.	A	32	8.00	256	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-010	ZH6	2018-08-09	Coarse 2	1/8	Chaetognatha		Sagittoidea	Aphragmophora			CHAE	Parasagitta elegans	A	36	8.00	288	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-010	ZH6	2018-08-09	Fine	1/64	Chaetognatha		Sagittoidea	Aphragmophora			CHAE	Parasagitta sp.	J	1	64.00	64			
Golder	Baffinlands Iron Mine	2018	mz18-108-010	ZH6	2018-08-09	Fine	1/64	Arthropoda	Crustacea		Copepoda	Calanoida	Clausocalanidae	CRCO	Pseudocalanus sp. complex	V	19	64.00	1,216	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-010	ZH6	2018-08-09	Coarse 1	Whole	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Decapoda	Crangonidae	CRDE	Sabinea septemcarinata	Megalopa	4	1.00	4	1		>10
Golder	Baffinlands Iron Mine	2018	mz18-108-010	ZH6	2018-08-09	Fine	1/64	Cnidaria	Hydrozoa	Hydroidolina	Siphonophorae		CNHY	Siphonophorae indet.	Nectophore	1	64.00	64	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-010	ZH6	2018-08-09	Coarse 1	Whole	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Hyperiididae	CRAM	Themisto libellula	A	1	1.00	1	1		>10
Golder	Baffinlands Iron Mine	2018	mz18-108-011	ZV1	2018-08-01	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Acartiidae	CRCO	Acartia sp.	V	2	8.00	16	1		>10
Golder	Baffinlands Iron Mine	2018	mz18-108-011	ZV1	2018-08-01	Coarse 1	Whole	Cnidaria	Hydrozoa	Trachylinae	Trachymedusae	Rhopalonematidae	CNHY	Aglantha sp.	Medusa	5	1.00	5	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-011	ZV1	2018-08-01	Fine	1/128	Mollusca		Bivalvia				MOBI	Bivalvia indet.	Veliger	5	128.00	640	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-011	ZV1	2018-08-01	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida		CRCO	Calanoida indet.	I-IV	11	8.00	88		>10	
Golder	Baffinlands Iron Mine	2018	mz18-108-011	ZV1	2018-08-01	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus finmarchicus	V	11	8.00	88	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-011	ZV1	2018-08-01	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	V	9	8.00	72	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-011	ZV1	2018-08-01	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus hyperboreus	V	2	8.00	16	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-011	ZV1	2018-08-01	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus hyperboreus	Vif	1	8.00	8			
Golder	Baffinlands Iron Mine	2018	mz18-108-011	ZV1	2018-08-01	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus sp.	I-IV	44	8.00	352		>10	
Golder	Baffinlands Iron Mine	2018	mz18-108-011	ZV1	2018-08-01	Coarse 1	Whole	Mollusca		Gastropoda	Heterobranchia	Pteropoda	Clionidae	MOGA	Cione limacina	A	2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-011	ZV1	2018-08-01	Coarse 1	Whole	Cnidaria						CNXX	Cnidaria indet.	Medusa	2	1.00	2		5-10	
Golder	Baffinlands Iron Mine	2018	mz18-108-011	ZV1	2018-08-01	Coarse 2	1/8	Cnidaria						CNXX	Cnidaria indet.	Medusa	16	8.00	128		<5	
Golder	Baffinlands Iron Mine	2018	mz18-108-011	ZV1	2018-08-01	Fine	1/128	Arthropoda	Crustacea		Copepoda			CRCO	Copepoda indet.	Nauplius	136	128.00	17,408			
Golder	Baffinlands Iron Mine	2018	mz18-108-011	ZV1	2018-08-01	Fine	1/128	Arthropoda	Crustacea		Copepoda	Cyclopoida		CRCO	Cyclopoida indet.	I-IV	1	128.00	128			
Golder	Baffinlands Iron Mine	2018	mz18-108-011	ZV1	2018-08-01	Fine	1/128	Arthropoda	Crustacea		Copepoda	Cyclopoida		CRCO	Cyclopoida indet.	V	1	128.00	128			
Golder	Baffinlands Iron Mine	2018	mz18-108-011	ZV1	2018-08-01	Coarse 1	Whole	Cnidaria	Hydrozoa	Hydroidolina	Anthoathecata	Corymorphidae	CNHY	Euphysa sp.	Medusa	1	1.00	1	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-011	ZV1	2018-08-01	Fine	1/128	Chordata	Tunicata	Appendicularia		Copelata	Fritillariidae	URAP	Fritillaria sp.	A	2	128.00	256	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-011	ZV1	2018-08-01	Fine	1/128	Mollusca		Gastropoda				MOGA	Gastropoda indet.	Veliger	2	128.00	256			
Golder	Baffinlands Iron Mine	2018	mz18-108-011	ZV1	2018-08-01	Coarse 1	Whole	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Mysida	Mysidae	CRMY	Mysis sp.	A	11	1.00	11	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-011	ZV1	2018-08-01	Coarse 2	1/8	Chordata	Tunicata	Appendicularia		Copelata	Oikopleuridae	URAP	Oikopleura sp.	A	23	8.00	184	1		>10
Golder	Baffinlands Iron Mine	2018	mz18-108-011	ZV1	2018-08-01	Fine	1/128	Arthropoda	Crustacea		Copepoda	Cyclopoida	Oithonidae	CRCO	Oithona similis	Vif	1	128.00	128	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-011	ZV1	2018-08-01	Fine	1/128	Arthropoda	Crustacea		Copepoda	Cyclopoida	Oithonidae	CRCO	Oithona sp.	I-IV	13	128.00	1,664			
Golder	Baffinlands Iron Mine	2018	mz18-108-011	ZV1	2018-08-01	Fine	1/128	Arthropoda	Crustacea		Copepoda	Cyclopoida	Oithonidae	CRCO	Oithona sp.	V	19	128.00	2,432			
Golder	Baffinlands Iron Mine	2018	mz18-108-011	ZV1	2018-08-01	Fine	1/128	Arthropoda	Crustacea		Copepoda	Poecilostomatoida	Oncaeidae	CRCO	Oncaea sp.	V	1	128.00	128	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-011	ZV1	2018-08-01	Coarse 2	1/8	Chaetognatha		Sagittoidea	Aphragmophora			CHAE	Parasagitta elegans	A	10	8.00	80	1		>10
Golder	Baffinlands Iron Mine	2018	mz18-108-011	ZV1	2018-08-01	Coarse 2	1/8	Chaetognatha		Sagittoidea	Aphragmophora			CHAE	Parasagitta sp.	J	2	8.00	16			
Golder	Baffinlands Iron Mine	2018	mz18-108-011	ZV1	2018-08-01	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Clausocalanidae	CRCO	Pseudocalanus sp. complex	V	4	8.00	32	1		>10
Golder	Baffinlands Iron Mine	2018	mz18-108-011	ZV1	2018-08-01	Coarse 2	1/8	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Hyperiididae	CRAM	Themisto sp.	J	2	8.00	16	1		>10
Golder	Baffinlands Iron Mine	2018	mz18-108-012	ZV2	2018-08-01	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Acartiidae	CRCO	Acartia sp.	V	1	8.00	8	1		
Golder																						



Abundance data in long format for Golder Baffinlands 2018.

Client	Project	Year	Biologica Sample #	Client Sample #	Date Sampled	Fraction	Split	Phylum	Subphylum	Class	Subclass	Order	Family	Groupcode	Taxon	Stage	Raw Abundance	Split Multiplier	Total Abundance	Unique Taxa Count	Size (mm)	Comment
Golder	Baffinlands Iron Mine	2018	mz18-108-012	ZV2	2018-08-01	Coarse 2	1/8	Chaetognatha		Sagittoidea	Aphragmophora		Sagittidae	CHAE	Parasagitta elegans	A	5	8.00	40	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-012	ZV2	2018-08-01	Coarse 2	1/8	Chaetognatha		Sagittoidea	Aphragmophora		Sagittidae	CHAE	Parasagitta sp.	J	1	8.00	8			
Golder	Baffinlands Iron Mine	2018	mz18-108-012	ZV2	2018-08-01	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Clausocalanidae	CRCO	Pseudocalanus sp. complex	V	2	8.00	16	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-012	ZV2	2018-08-01	Coarse 2	1/8	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Hyperiididae	CRAM	Themisto sp.	J	3	8.00	24	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-012	ZV2	2018-08-01	Fine	1/256	Unknown						XXXX	Unidentified	Egg	7	256.00	1,792			
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Acartiidae	CRCO	Acartia sp.	V	1	8.00	8	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Coarse 2	1/8	Cnidaria		Hydrozoa	Trachylinae	Narcomedusae	Solmundaeginidae	CNHY	Aeginopsis laurentii	Medusa	1	8.00	8	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Coarse 2	1/8	Cnidaria		Hydrozoa	Trachylinae	Trachymedusae	Rhopalonematidae	CNHY	Aglantha digitale	Medusa	4	8.00	32	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Coarse 2	1/8	Arthropoda	Crustacea		Thecostraca	Sessilia		CRCI	Balanomorpha indet.	Cypris	2	8.00	16	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Fine	1/512	Mollusca		Bivalvia				MOBI	Bivalvia indet.	Veliger	1	512.00	512	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida		CRCO	Calanoida indet.	I-IV	33	8.00	264			
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Fine	1/512	Arthropoda	Crustacea		Copepoda	Calanoida		CRCO	Calanoida indet.	I-IV	4	512.00	2,048			
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus finmarchicus	V	7	8.00	56	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	V	12	8.00	96	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	Vif	4	8.00	32			
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	Vlm	1	8.00	8			
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Coarse 1	Whole	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus hyperboreus	Vif	1	1.00	1			
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus hyperboreus	V	2	8.00	16	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus sp.	I-IV	73	8.00	584			
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Coarse 1	Whole	Mollusca		Gastropoda	Heterobranchia	Pteropoda	Clionidae	MOGA	Cione limacina	A	1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Coarse 2	1/8	Cnidaria						CNXX	Cnidaria indet.	Medusa	3	8.00	24			
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Fine	1/512	Arthropoda	Crustacea		Copepoda			CRCO	Copepoda indet.	Nauplius	140	512.00	71,680			
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Coarse 1	Whole	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Decapoda	Crangonidae	CRDE	Crangonidae indet.	Zoea	1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Cyclopoida		CRCO	Cyclopoida indet.	V	1	8.00	8			
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Cyclopoida		CRCO	Cyclopoida indet.	Vif	1	8.00	8			
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Coarse 1	Whole	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Mysida	Mysidae	CRMY	Erythrospis sp.	A	1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Fine	1/512	Mollusca		Gastropoda				MOGA	Gastropoda indet.	Veliger	5	512.00	2,560			
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Coarse 2	1/8	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Hyperiididae	CRAM	Hyperiididae indet.	J	2	8.00	16	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Coarse 1	Whole	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Mysida	Mysidae	CRMY	Mysis sp.	J	1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Coarse 2	1/8	Chordata	Tunicata	Appendicularia		Copelata	Oikopleuridae	URAP	Oikopleura sp.	A	30	8.00	240	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Fine	1/512	Arthropoda	Crustacea		Copepoda	Cyclopoida	Oithonidae	CRCO	Oithona similis	Vif	1	512.00	512	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Fine	1/512	Arthropoda	Crustacea		Copepoda	Cyclopoida	Oithonidae	CRCO	Oithona sp.	I-IV	36	512.00	18,432			
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Fine	1/512	Arthropoda	Crustacea		Copepoda	Cyclopoida	Oithonidae	CRCO	Oithona sp.	V	12	512.00	6,144			
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Fine	1/512	Arthropoda	Crustacea		Copepoda	Poecilostomatoida	Oncaeiidae	CRCO	Oncaea sp.	I-IV	1	512.00	512	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Fine	1/512	Arthropoda	Crustacea		Copepoda	Poecilostomatoida	Oncaeiidae	CRCO	Oncaea sp.	V	1	512.00	512			
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Coarse 2	1/8	Chaetognatha		Sagittoidea	Aphragmophora		Sagittidae	CHAE	Parasagitta elegans	A	9	8.00	72	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Coarse 2	1/8	Chaetognatha		Sagittoidea	Aphragmophora		Sagittidae	CHAE	Parasagitta sp.	J	5	8.00	40			
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Clausocalanidae	CRCO	Pseudocalanus sp. complex	Vif	1	8.00	8	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Scolecitrichidae	CRCO	Scolecitrichella sp.	V	1	8.00	8	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-013	ZV3	2018-08-01	Coarse 1	Whole	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Hyperiididae	CRAM	Themisto libellula	A	1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-014	ZV4	2018-08-09	Coarse 2	1/16	Arthropoda	Crustacea		Copepoda	Calanoida	Acartiidae	CRCO	Acartia sp.	V	3	16.00	48	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-014	ZV4	2018-08-09	Coarse 2	1/16	Arthropoda	Crustacea		Copepoda	Calanoida	Acartiidae	CRCO	Acartia sp.	Vlm	1	16.00	16			
Golder	Baffinlands Iron Mine	2018	mz18-108-014	ZV4	2018-08-09	Coarse 1	Whole	Cnidaria		Hydrozoa	Trachylinae	Trachymedusae	Rhopalonematidae	CNHY	Aglantha sp.	Medusa	1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-014	ZV4	2018-08-09	Fine	1/512	Mollusca		Bivalvia				MOBI	Bivalvia indet.	Veliger	7	512.00	3,584	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-014	ZV4	2018-08-09	Coarse 2	1/16	Arthropoda	Crustacea		Copepoda	Calanoida		CRCO	Calanoida indet.	I-IV	47	16.00	752			
Golder	Baffinlands Iron Mine	2018	mz18-108-014	ZV4	2018-08-09	Coarse 2	1/16	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus finmarchicus	V	26	16.00	416	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-014	ZV4	2018-08-09	Coarse 2	1/16	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus finmarchicus	Vif	2	16.00	32			
Golder	Baffinlands Iron Mine	2018	mz18-108-014	ZV4	2018-08-09	Coarse 2	1/16	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	V	24	16.00	384	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-014	ZV4	2018-08-09	Coarse 2	1/16	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	Vlm	1	16.00	16			
Golder	Baffinlands Iron Mine	2018	mz18-108-014	ZV4	2018-08-09	Coarse 2	1/16	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus hyperboreus	V	3	16.00	48	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-014	ZV4	2018-08-09	Coarse 2	1/16	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus sp.	I-IV	72	16.00	1,152			
Golder	Baffinlands Iron Mine	2018	mz18-108-014	ZV4	2018-08-09	Coarse 1	Whole	Cnidaria		Hydrozoa	Hydroidolina	Anthoathecata	Pandeidae	CNHY	Catabela vesicarium	Medusa	2	1.00	2	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-014	ZV4	2018-08-09	Coarse 1	Whole	Cnidaria						CNXX	Cnidaria indet.	Medusa	3	1.00	3			
Golder	Baffinlands Iron Mine	2018	mz18-108-014	ZV4	2018-08-09	Fine	1/512	Arthropoda	Crustacea		Copepoda			CRCO	Copepoda indet.	Nauplius	125	512.00	64,000			
Golder	Baffinlands Iron Mine	2018	mz18-108-014	ZV4	2018-08-09	Fine	1/512	Arthropoda	Crustacea		Copepoda	Cyclopoida		CRCO	Cyclopoida indet.	I-IV	2	512.00	1,024			
Golder	Baffinlands Iron Mine	2018	mz18-108-014	ZV4	2018-08-09	Fine	1/512	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Euphausiacea		CREU	Euphausiacea indet.	Nauplius	1	512.00	512	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-014	ZV4	2018-08-09	Fine	1/512	Mollusca		Gastropoda				MOGA	Gastropoda indet.	Veliger	8	512.00	4,096	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-014	ZV4	2018-08-09	Coarse 2	1/16	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Isopoda		CRIS	Isopoda indet.	Cryptoniscid	1	16.00	16	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-014	ZV4	2018-08-09	Coarse 1	Whole	Chordata	Tunicata	Appendicularia		Copelata	Oikopleuridae	URAP	Oikopleura sp.	A	1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-014	ZV4	2018-08-09	Coarse 2	1/16	Arthropoda	Crustacea		Copepoda	Cyclopoida	Oithonidae	CRCO	Oithona atlantica	Vif	1	16.00	16	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-014	ZV4	2018-08-09	Fine	1/512	Arthropoda	Crustacea		Copepoda	Cyclopoida	Oithonidae	CRCO	Oithona similis	Vif	3	512.00	1,536	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-014	ZV4	2018-08-09	Fine	1/512	Arthropoda	Crustacea		Copepoda	Cyclopoida	Oithonidae	CRCO	Oithona sp.	Vlm	2	512.00	1,024			
Golder	Baffinlands Iron Mine	2018	mz18-108-014	ZV4	2018-08-09	Fine	1/512	Arthropoda	Crustacea		Copepoda	Cyclopoida	Oithonidae	CRCO	Oithona sp.	I-IV	38	512.00	19,456			
Golder	Baffinlands Iron Mine	2018	mz18-108-014	ZV4	2018-08-09	Fine	1/512	Arthropoda	Crustacea		Copepoda	Cyclopoida	Oithonidae	CRCO	Oithona sp.	V	30	512.00	15,360			
Golder	Baffinlands Iron Mine	2018	mz18-108-014	ZV4	2018-08-09	Fine																



Abundance data in long format for Golder Baffinlands 2018.

Client	Project	Year	Biologica Sample #	Client Sample #	Date Sampled	Fraction	Split	Phylum	Subphylum	Class	Subclass	Order	Family	Groupcode	Taxon	Stage	Raw Abundance	Split Multiplier	Total Abundance	Unique Taxa Count	Size (mm)	Comment
Golder	Baffinlands Iron Mine	2018	mz18-108-015	ZV5	2018-08-09	Fine	1/512	Arthropoda	Crustacea		Copepoda	Cyclopoida		CRCO	Cyclopoida indet.	V	1	512.00	512			
Golder	Baffinlands Iron Mine	2018	mz18-108-015	ZV5	2018-08-09	Fine	1/512	Mollusca		Gastropoda				MOGA	Gastropoda indet.	Veliger	5	512.00	2,560			
Golder	Baffinlands Iron Mine	2018	mz18-108-015	ZV5	2018-08-09	Coarse 1	Whole	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Hyperiididae	GRAM	Hyperiididae indet.	J	1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-015	ZV5	2018-08-09	Coarse 3	1/16	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Isopoda		CRIS	Isopoda indet.	Cryptoniscid	1	16.00	16	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-015	ZV5	2018-08-09	Coarse 3	1/16	Arthropoda	Crustacea		Copepoda	Calanoida	Clausocalanidae	CRCO	Microcalanus sp.	V	1	16.00	16	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-015	ZV5	2018-08-09	Fine	1/512	Arthropoda	Crustacea		Copepoda	Harpacticoida	Ectinosomatidae	CRCO	Microsetella sp.	V	1	512.00	512	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-015	ZV5	2018-08-09	Coarse 2	1/8	Chordata	Tunicata	Appendicularia		Copelata	Oikopleuridae	URAP	Oikopleura sp.	A	1	8.00	8	1		>5
Golder	Baffinlands Iron Mine	2018	mz18-108-015	ZV5	2018-08-09	Fine	1/512	Arthropoda	Crustacea		Copepoda	Cyclopoida	Oithonidae	CRCO	Oithona similis	Vif	1	512.00	512	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-015	ZV5	2018-08-09	Fine	1/512	Arthropoda	Crustacea		Copepoda	Cyclopoida	Oithonidae	CRCO	Oithona sp.	I-IV	46	512.00	23,552			
Golder	Baffinlands Iron Mine	2018	mz18-108-015	ZV5	2018-08-09	Fine	1/512	Arthropoda	Crustacea		Copepoda	Cyclopoida	Oithonidae	CRCO	Oithona sp.	V	34	512.00	17,408			
Golder	Baffinlands Iron Mine	2018	mz18-108-015	ZV5	2018-08-09	Fine	1/512	Arthropoda	Crustacea		Copepoda	Poecilostomatoida	Oncaeidae	CRCO	Oncaea sp.	I-IV	2	512.00	1,024	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-015	ZV5	2018-08-09	Fine	1/512	Arthropoda	Crustacea		Copepoda	Poecilostomatoida	Oncaeidae	CRCO	Oncaea sp.	V	3	512.00	1,536			
Golder	Baffinlands Iron Mine	2018	mz18-108-015	ZV5	2018-08-09	Coarse 2	1/8	Chaetognatha		Sagittoidea	Aphragmophora		Sagittidae	CHAE	Parasagitta elegans	A	9	8.00	72	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-015	ZV5	2018-08-09	Coarse 3	1/16	Chaetognatha		Sagittoidea	Aphragmophora		Sagittidae	CHAE	Parasagitta sp.	J	5	16.00	80			
Golder	Baffinlands Iron Mine	2018	mz18-108-015	ZV5	2018-08-09	Coarse 3	1/16	Arthropoda	Crustacea		Copepoda	Calanoida	Clausocalanidae	CRCO	Pseudocalanus sp. complex	V	9	16.00	144	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-015	ZV5	2018-08-09	Fine	1/512	Unknown						XXXX	Unidentified	Egg	12	512.00	6,144			
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Coarse 1	1/16	Arthropoda	Crustacea		Copepoda	Calanoida	Acartidae	CRCO	Acartia sp.	V	8	16.00	128	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Coarse 1	1/16	Cnidaria		Hydrozoa	Trachylinae	Narcomedusae	Solmundaeaginidae	CNHY	Aeginopsis laurentii	Medusa	1	16.00	16	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Coarse 2	Whole	Cnidaria		Hydrozoa	Trachylinae	Trachymedusae	Rhopalonematidae	CNHY	Aglantha digitale	Medusa	3	1.00	3	1		10
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Coarse 1	1/16	Ctenophora			Nuda	Beroidea	Beroidea	CTEN	Beroe sp.	J	1	16.00	16	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Fine	1/256	Mollusca		Bivalvia				MOBI	Bivalvia indet.	Veliger	7	256.00	1,792	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Coarse 1	1/16	Arthropoda	Crustacea		Copepoda	Calanoida		CRCO	Calanoida indet.	I-IV	13	16.00	208			
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Coarse 1	1/16	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus finmarchicus	V	14	16.00	224	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Coarse 1	1/16	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	V	12	16.00	192	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Coarse 1	1/16	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	Vlm	1	16.00	16			
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Coarse 2	Whole	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus hyperboreus	V	1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Coarse 1	1/16	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus sp.	I-IV	47	16.00	752			
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Coarse 1	1/16	Mollusca		Gastropoda	Heterobranchia	Pteropoda	Clionidae	MOGA	Cione limacina	J	1	16.00	16			
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Coarse 2	Whole	Mollusca		Gastropoda	Heterobranchia	Pteropoda	Clionidae	MOGA	Cione limacina	A	1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Coarse 1	1/16	Cnidaria						CNXX	Cnidaria indet.	Medusa	8	16.00	128			>5
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Coarse 2	Whole	Cnidaria						CNXX	Cnidaria indet.	Medusa	1	1.00	1			5-10
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Fine	1/256	Arthropoda	Crustacea		Copepoda			CRCO	Copepoda indet.	Nauplius	226	256.00	57,856			
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Fine	1/256	Arthropoda	Crustacea					CRXX	Crustacea indet.	Nauplius	1	256.00	256			
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Fine	1/256	Arthropoda	Crustacea			Cyclopoida		CRCO	Cyclopoida indet.	I-IV	1	256.00	256			
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Fine	1/256	Arthropoda	Crustacea			Cyclopoida		CRCO	Cyclopoida indet.	V	1	256.00	256			
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Fine	1/256	Mollusca		Gastropoda				MOGA	Gastropoda indet.	Veliger	7	256.00	1,792			
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Coarse 1	1/16	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Hyperiididae	GRAM	Hyperiididae indet.	J	1	16.00	16	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Coarse 1	1/16	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Isopoda		CRIS	Isopoda indet.	Cryptoniscid	1	16.00	16	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Coarse 1	1/16	Chordata	Tunicata	Appendicularia		Copelata	Oikopleuridae	URAP	Oikopleura sp.	A	16	16.00	256	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Fine	1/256	Arthropoda	Crustacea		Copepoda	Cyclopoida	Oithonidae	CRCO	Oithona similis	Vif	1	256.00	256	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Fine	1/256	Arthropoda	Crustacea		Copepoda	Cyclopoida	Oithonidae	CRCO	Oithona similis	Vlm	2	256.00	512			
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Fine	1/256	Arthropoda	Crustacea		Copepoda	Cyclopoida	Oithonidae	CRCO	Oithona sp.	I-IV	35	256.00	8,960			
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Fine	1/256	Arthropoda	Crustacea		Copepoda	Cyclopoida	Oithonidae	CRCO	Oithona sp.	V	20	256.00	5,120			
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Fine	1/256	Arthropoda	Crustacea		Copepoda	Poecilostomatoida	Oncaeidae	CRCO	Oncaea sp.	V	1	256.00	256	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Coarse 2	Whole	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Amphipoda	Uristidae	GRAM	Onisimus sp.	J	1	1.00	1	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Coarse 1	1/16	Chaetognatha		Sagittoidea	Aphragmophora		Sagittidae	CHAE	Parasagitta elegans	A	13	16.00	208	1		5-10
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Coarse 2	Whole	Chaetognatha		Sagittoidea	Aphragmophora		Sagittidae	CHAE	Parasagitta elegans	A	3	1.00	3			>10
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Coarse 1	1/16	Chaetognatha		Sagittoidea	Aphragmophora		Sagittidae	CHAE	Parasagitta sp.	J	1	16.00	16			
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Coarse 1	1/16	Arthropoda	Crustacea		Copepoda	Calanoida	Clausocalanidae	CRCO	Pseudocalanus sp. complex	V	9	16.00	144	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Coarse 1	1/16	Arthropoda	Crustacea		Copepoda	Calanoida	Clausocalanidae	CRCO	Pseudocalanus sp. complex	Vif	2	16.00	32			
Golder	Baffinlands Iron Mine	2018	mz18-108-016	ZV6	2018-08-01	Fine	1/256	Unknown						XXXX	Unidentified	Egg	22	256.00	5,632			
Golder	Baffinlands Iron Mine	2018	mz18-108-017	NBWD_Acadia	2018-08-03	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Acartidae	CRCO	Acartia sp.	I-IV	1	8.00	8	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-017	NBWD_Acadia	2018-08-03	Coarse 1	Whole	Cnidaria		Hydrozoa	Trachylinae	Trachymedusae	Rhopalonematidae	CNHY	Aglantha digitale	Medusa	5	1.00	5	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-017	NBWD_Acadia	2018-08-03	Fine	3/512	Mollusca		Bivalvia				MOBI	Bivalvia indet.	Veliger	3	170.67	512	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-017	NBWD_Acadia	2018-08-03	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida		CRCO	Calanoida indet.	I-IV	12	8.00	96			
Golder	Baffinlands Iron Mine	2018	mz18-108-017	NBWD_Acadia	2018-08-03	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus finmarchicus	V	28	8.00	224	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-017	NBWD_Acadia	2018-08-03	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	V	5	8.00	40	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-017	NBWD_Acadia	2018-08-03	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus glacialis	Vif	2	8.00	16			
Golder	Baffinlands Iron Mine	2018	mz18-108-017	NBWD_Acadia	2018-08-03	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus hyperboreus	V	1	8.00	8	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-017	NBWD_Acadia	2018-08-03	Coarse 2	1/8	Arthropoda	Crustacea		Copepoda	Calanoida	Calanidae	CRCO	Calanus sp.	I-IV	59	8.00	472			
Golder	Baffinlands Iron Mine	2018	mz18-108-017	NBWD_Acadia	2018-08-03	Coarse 2	1/8	Cnidaria						CNXX	Cnidaria indet.	Medusa	5	8.00	40			
Golder	Baffinlands Iron Mine	2018	mz18-108-017	NBWD_Acadia	2018-08-03	Fine	3/512	Arthropoda	Crustacea		Copepoda			CRCO	Copepoda indet.	Nauplius	171	170.67	29,184			
Golder	Baffinlands Iron Mine	2018	mz18-108-017	NBWD_Acadia	2018-08-03	Fine	3/512	Arthropoda	Crustacea		Copepoda	Cyclopoida		CRCO	Cyclopoida indet.	I-IV	1	170.67	171			
Golder	Baffinlands Iron Mine	2018	mz18-108-017	NBWD_Acadia	2018-08-03	Coarse 2	1/8	Arthropoda	Crustacea	Malacostraca	Eumalacostraca	Isopoda		CRIS	Isopoda indet.	Cryptoniscid	2	8.00	16	1		
Golder	Baffinlands Iron Mine	2018	mz18-108-017	NBWD_Acadia																		



Zooplankton QA/QC recounts summary for Golder Baffinlands 2018.

Biologica QA Sample Number	Client QA Sample Number	Abundance (Original Replicate) (A)	Abundance (QA Replicate) (B)	Percent Agreement (%)
mz18-108-001	BR1	4,414	4,382	99.28
mz18-108-008	ZH4	18,711	21,719	83.92
Average				91.60

Percent Agreement: $100 - (((\text{difference in abundance between samples}) / \text{total abundance of original sample}) * 100\%)$



Marine Zooplankton Enumeration and Identification Methods

Client: Golder

Project: Baffinlands Iron Mine

Sample Inventory

Sample arrival: September 18, 2018

Number of samples: 17

Number of jars: 17

Screen size: 63 μm

Biologica project number: mz18-108

Upon arrival, the samples were examined and double-checked against the chain of custody to ensure (1) all samples were accounted for, (2) each sample had the appropriate number of jars as indicated on the COC. Any discrepancies were reported to the client and were resolved before further sample handling. Samples were transferred from formalin into 70% ethanol and assigned a unique identification number.

Sample Processing

Marine zooplankton samples were analyzed in two fractions as follows:

(1) A 'Fine' fraction (<0.5 mm), in which all other organisms were identified and enumerated. Processing of the fine fraction was completed to a 300 count as specified by the client;

(2) A 'Coarse' fraction comprised of large organisms (>0.5 mm) in the sample.

The Coarse fraction was analyzed through a stereo microscope at 10–40x magnification. All organisms were identified by taxonomic experts to the lowest taxonomic level using a compound microscope (100–400x magnification), appropriate dissection tools, and standard taxonomic references. For copepods, the stage of development was also recorded (copepodite stages I–V) as is the sex for mature individuals (copepod stage VI).

Subsampling for all fractions was performed using a Folsom plankton splitter.

Zooplankton were identified to species wherever possible, although immature copepods lack differentiating features required for identification beyond order (e.g., Calanoida, Cyclopoida, or Harpacticoida). All identifications were performed using taxonomic references and collaborations with external experts, where necessary.

Table 1. Summary of zooplankton samples processed for Golder Baffinlands Iron Mine 2018.

Client Sample #	Date Sampled	Biologica Sample #	Fraction	Split	Specimens Counted
BR1	8-Aug-18	mz18-108-001	Coarse 1	Whole	14
			Coarse 2	1/8	11
			Fine	1/16	296
BR2	8-Aug-18	mz18-108-002	Coarse 1	Whole	9
			Coarse 2	1/8	195
			Fine	1/128	113
BR3	8-Aug-18	mz18-108-003	Coarse 1	Whole	9
			Coarse 2	1/8	207
			Fine	1/128	76
BR4	8-Aug-18	mz18-108-004	Coarse 1	Whole	14
			Coarse 2	1/8	204
			Fine	1/128	123
ZH1	9-Aug-18	mz18-108-005	Coarse 1	Whole	34
			Coarse 2	1/16	11
			Fine	1/128	282
ZH2	9-Aug-18	mz18-108-006	Coarse	1/8	106
			Fine	9/1024	200
ZH3	9-Aug-18	mz18-108-007	Coarse	Whole	21
			Fine	1/128	391
ZH4	9-Aug-18	mz18-108-008	Coarse	Whole	23
			Fine	1/64	292
ZH5	9-Aug-18	mz18-108-009	Coarse	Whole	32
			Fine	1/32	288
ZH6	9-Aug-18	mz18-108-010	Coarse 1	Whole	15
			Coarse 2	1/8	74
			Fine	1/64	259
ZV1	1-Aug-18	mz18-108-011	Coarse 1	Whole	21
			Coarse 2	1/8	137
			Fine	1/128	181
ZV2	1-Aug-18	mz18-108-012	Coarse 1	Whole	16
			Coarse 2	1/8	113
			Fine	1/256	161
ZV3	1-Aug-18	mz18-108-013	Coarse 1	Whole	6
			Coarse 2	1/8	193
			Fine	1/512	201
ZV4	9-Aug-18	mz18-108-014	Coarse 1	Whole	11
			Coarse 2	1/16	209
			Fine	1/512	222
ZV5	9-Aug-18	mz18-108-015	Coarse 1	Whole	8
			Coarse 2	1/8	11
			Coarse 3	1/16	117
			Fine	1/512	249

Client Sample #	Date Sampled	Biologica Sample #	Fraction	Split	Specimens Counted
ZV6	1-Aug-18	mz18-108-016	Coarse 1	1/16	149
			Coarse 2	Whole	10
			Fine	1/256	324
NBWD_Acadia	3-Aug-18	mz18-108-017	Coarse 1	Whole	8
			Coarse 2	1/8	139
			Fine	3/512	215

QA/QC

Ten percent (10%) of samples were reanalyzed to assess subsampling accuracy and taxonomic consistency. The sample(s) were chosen at random and processed at different times to reduce counting and identification bias. The percent agreement between QA samples is reported in Table 2.

Table 2. Summary of taxonomic QA/QC results for Golder Baffinlands Iron Mine 2018.

Biologica Sample #	Client Sample #	Original Count	QA Count	Percent Agreement
mz18-108-001	BR1	4,414	4,382	99.28
mz18-108-008	ZH4	18,711	21,719	83.92
Average:				91.60

Percent Agreement:

$\{100 - [(difference\ in\ abundance\ between\ samples / total\ abundance\ of\ original\ sample) \times 100]\}$ %

Data

Taxonomic data were recorded in Biologica's custom database. Results were provided to the Golder project manager in Excel spreadsheets via email.

Methodological and Taxonomic References

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ANNEXE I

**Benthic Infauna Taxonomic List
(2014-2018)**

ANNEXE I-1:
AIS Benthic Infauna Taxa Master List

Phylum	Class/Order	Family	TAXA	2010	2013	2015	2016	2017	2018
Annelida	Hirudinea	Piscicolidae	<i>Mysidobdella</i> sp.					X	
Annelida	Oligochaeta	Enchytraeidae	Enchytraeidae indet.	X				X	X
Annelida	Oligochaeta		Oligochaete indet.		X				
Annelida	Polychaeta	Ampharetidae	<i>Ampharete oculata</i>			X			
Annelida	Polychaeta	Ampharetidae	<i>Ampharete</i> sp.		X		X	X	X
Annelida	Polychaeta	Ampharetidae	<i>Ampharete vega</i>					X	X
Annelida	Polychaeta	Ampharetidae	Ampharetid sp. B				X		
Annelida	Polychaeta	Ampharetidae	Ampharetid sp. E				X		
Annelida	Polychaeta	Ampharetidae	<i>Amphicteis gunneri</i>		X	X	X		
Annelida	Polychaeta	Ampharetidae	<i>Amphicteis sundevalli</i>	X				X	X
Annelida	Polychaeta	Ampharetidae	<i>Anobothrus gracilis</i>				X		
Annelida	Polychaeta	Ampharetidae	<i>Lysippe labiata</i>			X	X	X	X
Annelida	Polychaeta	Ampharetidae	<i>Melinna elisabethae</i>	X	X	X	X	X	X
Annelida	Polychaeta	Ampharetidae	<i>Melinna</i> sp.	X					X
Annelida	Polychaeta	Ampharetidae	<i>Samytha</i> sp.				X		
Annelida	Polychaeta	Ampharetidae indet.	Ampharetidae indet.	X	X	X	X	X	
Annelida	Polychaeta	Aphroditidae	Aphroditidae indet.		X				
Annelida	Polychaeta	Apistobranchidae	<i>Apistobranchus</i> sp.					X	X
Annelida	Polychaeta	Capitellidae	Capitellidae indet.				X	X	
Annelida	Polychaeta	Capitellidae	<i>Mediomastus ambiseta</i>		X		X	X	
Annelida	Polychaeta	Capitellidae	<i>Mediomastus</i> sp.	X				X	X
Annelida	Polychaeta	Capitellidae	<i>Notomastus latericeus</i>					X	X
Annelida	Polychaeta	Capitellidae	<i>Capitella capitata</i> complex	X	X			X	X
Annelida	Polychaeta	Cirratulidae	<i>Aphelocheata marioni</i>		X				
Annelida	Polychaeta	Cirratulidae	<i>Aphelocheata</i> sp.					X	X
Annelida	Polychaeta	Cirratulidae	<i>Chaetozone bathyala</i>					X	X
Annelida	Polychaeta	Cirratulidae	<i>Chaetozone careyi</i>					X	X
Annelida	Polychaeta	Cirratulidae	<i>Chaetozone pigmentata</i>					X	X
Annelida	Polychaeta	Cirratulidae	<i>Chaetozone setosa</i> complex		X	X	X	X	X
Annelida	Polychaeta	Cirratulidae	<i>Chaetozone</i> sp.					X	X
Annelida	Polychaeta	Cirratulidae	Cirratulidae indet.	X	X	X	X	X	X
Annelida	Polychaeta	Cirratulidae	Cirratulidae sp. A				X		
Annelida	Polychaeta	Cirratulidae	<i>Kirkegaardia</i> sp.						X
Annelida	Polychaeta	Cirratulidae	<i>Tharyx</i> sp.					X	X
Annelida	Polychaeta	Cossuridae	<i>Cossura longocirrata</i>		X				
Annelida	Polychaeta	Cossuridae	<i>Cossura</i> sp.	X		X	X	X	X
Annelida	Polychaeta	Dorvilleidae	<i>Echiurus echiurus</i>		X	X		X	X
Annelida	Polychaeta	Echiuridae	<i>Parougia caeca</i>						X
Annelida	Polychaeta	Fabriciidae	Fabriciidae indet.					X	
Annelida	Polychaeta	Fabriciidae	<i>Manayunkia aesturiana</i> **						X
Annelida	Polychaeta	Flabelligeridae	<i>Brada villosa</i>		X				
Annelida	Polychaeta	Flabelligeridae	<i>Diplocirrus hirsutus</i>			X	X		X
Annelida	Polychaeta	Flabelligeridae	<i>Flabelligera affinis</i>				X		
Annelida	Polychaeta	Flabelligeridae	<i>Flabelligeridae</i>			X			
Annelida	Polychaeta	Glyceridae	<i>Glycera capitata</i>					X	X
Annelida	Polychaeta	Glyceridae	<i>Glycera</i> sp.					X	X
Annelida	Polychaeta	Hesionidae	<i>Gyptis</i> sp.*						X
Annelida	Polychaeta	Hesionidae	Hesionidae indet.					X	
Annelida	Polychaeta	Hesionidae	<i>Microphthalmus</i> sp.						X
Annelida	Polychaeta	Hesionidae	<i>Nereimyra punctata</i>				X	X	X
Annelida	Polychaeta	Lumbrineridae	<i>Lumbrineris</i> sp.	X	X	X	X		X
Annelida	Polychaeta	Lumbrineridae	<i>Scoletoma fragilis</i>	X		X	X	X	X
Annelida	Polychaeta	Lumbrineridae	<i>Scoletoma impatiens</i>				X	X	X
Annelida	Polychaeta	Lumbrineridae	<i>Scoletoma tenuis</i>		X		X		
Annelida	Polychaeta	Lumbrineridae	<i>Scoletoma</i> sp.						X
Annelida	Polychaeta	Maldanidae	<i>Clymenura</i> sp.					X	X
Annelida	Polychaeta	Maldanidae	<i>Euclymene</i> sp.					X	X
Annelida	Polychaeta	Maldanidae	Euclymeninae indet.					X	X
Annelida	Polychaeta	Maldanidae	<i>Heteroclymene robusta</i>			X			
Annelida	Polychaeta	Maldanidae	<i>Maldane sarsi</i>	X	X	X	X	X	X
Annelida	Polychaeta	Maldanidae	Maldanidae indet.	X	X	X	X	X	X
Annelida	Polychaeta	Maldanidae	Maldanidae sp. A				X		
Annelida	Polychaeta	Maldanidae	Maldanidae sp. B				X		
Annelida	Polychaeta	Maldanidae	Maldanidae sp. C				X		
Annelida	Polychaeta	Maldanidae	Microclymene sp.					X	X
Annelida	Polychaeta	Maldanidae	<i>Nicomache lumbricalis</i>			X	X	X	
Annelida	Polychaeta	Maldanidae	<i>Nicomache</i> sp.						X
Annelida	Polychaeta	Maldanidae	<i>Praxillella gracilis</i>						X
Annelida	Polychaeta	Maldanidae	<i>Praxillella praetermissa</i>					X	X

ANNEXE I-1:
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Annelida	Polychaeta	Maldanidae	<i>Rhodine gracilior</i> ***						X
Annelida	Polychaeta	Maldanidae	<i>Rhodine loveni</i>					X	
Annelida	Polychaeta	Nephtyidae	<i>Aglaophamus</i> sp.						X
Annelida	Polychaeta	Nephtyidae	<i>Bipalponephtys cornuta</i>					X	X
Annelida	Polychaeta	Nephtyidae	<i>Nephtys bucera</i>						X
Annelida	Polychaeta	Nephtyidae	<i>Nephtys ciliata</i>	X		X	X	X	X
Annelida	Polychaeta	Nephtyidae	<i>Nephtys</i> sp.	X	X	X	X		X
Annelida	Polychaeta	Nereididae	Nereididae indet.	X				X	X
Annelida	Polychaeta	Nereididae	<i>Nereis</i> sp.				X	X	
Annelida	Polychaeta	Nereididae	<i>Nereis zonata</i>		X	X	X	X	X
Annelida	Polychaeta	Onuphidae	<i>Nothria conchylega</i>	X					X
Annelida	Polychaeta	Opheliidae	<i>Ophelia limacina</i>	X	X	X	X	X	
Annelida	Polychaeta	Opheliidae	Opheliidae	X					
Annelida	Polychaeta	Opheliidae	<i>Ophelina acuminata</i>	X		X	X	X	X
Annelida	Polychaeta	Opheliidae	<i>Ophelina cylindricaudata</i>						X
Annelida	Polychaeta	Opheliidae	<i>Ophelina</i> sp.					X	X
Annelida	Polychaeta	Orbiniidae	<i>Leitoscoloplos</i> sp.	X				X	X
Annelida	Polychaeta	Orbiniidae	Orbiniidae indet.					X	X
Annelida	Polychaeta	Orbiniidae	<i>Scoloplos acutus</i>		X	X	X	X	X
Annelida	Polychaeta	Orbiniidae	<i>Scoloplos armiger</i>	X				X	X
Annelida	Polychaeta	Orbiniidae	<i>Scoloplos</i> sp.		X	X		X	X
Annelida	Polychaeta	Oweniidae	<i>Galathowenia oculata</i>			X		X	X
Annelida	Polychaeta	Oweniidae	<i>Myriochele danielsseni</i>					X	
Annelida	Polychaeta	Oweniidae	<i>Myriochele heeri</i>					X	X
Annelida	Polychaeta	Oweniidae	<i>Myriochele</i> sp.					X	
Annelida	Polychaeta	Oweniidae	<i>Owenia fusiformis</i>	X	X	X	X	X	X
Annelida	Polychaeta	Oweniidae	Oweniidae indet.			X	X		X
Annelida	Polychaeta	Paraonidae	<i>Paraonis</i> sp.	X					
Annelida	Polychaeta	Paraonidae	<i>Aricidea catherinae</i>		X			X	
Annelida	Polychaeta	Paraonidae	<i>Aricidea hartmanae</i>					X	X
Annelida	Polychaeta	Paraonidae	<i>Aricidea minuta</i>					X	X
Annelida	Polychaeta	Paraonidae	<i>Aricidea nolani</i>		X			X	X
Annelida	Polychaeta	Paraonidae	<i>Aricidea</i> sp. A				X		
Annelida	Polychaeta	Paraonidae	Paraonidae indet.		X	X	X	X	X
Annelida	Polychaeta	Pectinariidae	<i>Cistenides granulata</i>	X	X	X	X	X	X
Annelida	Polychaeta	Pectinariidae	<i>Cistenides hyperborea</i>	X					
Annelida	Polychaeta	Pectinariidae	<i>Pectinaria</i> sp.	X	X				
Annelida	Polychaeta	Pholoidae	<i>Pholoe longa</i>	X	X				
Annelida	Polychaeta	Pholoidae	<i>Pholoe minuta</i>			X	X	X	X
Annelida	Polychaeta	Pholoidae	<i>Pholoe</i> sp.	X	X	X	X	X	X
Annelida	Polychaeta	Pholoidae	<i>Pholoe tecta</i>	X	X	X	X	X	X
Annelida	Polychaeta	Phyllidae	<i>Phyllodoce groenlandica</i>	X		X	X	X	X
Annelida	Polychaeta	Phyllidae	<i>Phyllodoce mucosa</i>			X	X	X	
Annelida	Polychaeta	Phyllodocidae	<i>Eteone barbata</i>	X				X	X
Annelida	Polychaeta	Phyllodocidae	<i>Eteone flava</i>					X	X
Annelida	Polychaeta	Phyllodocidae	<i>Eteone longa complex*</i>		X	X	X	X	X
Annelida	Polychaeta	Phyllodocidae	<i>Eteone</i> sp.	X	X	X	X	X	X
Annelida	Polychaeta	Phyllodocidae	<i>Eulalia</i> sp.						X
Annelida	Polychaeta	Phyllodocidae	<i>Hypereteone</i> sp.					X	X
Annelida	Polychaeta	Phyllodocidae	<i>Phyllodoce</i> sp.					X	X
Annelida	Polychaeta	Phyllodocidae	Phyllodocidae indet.			X	X	X	
Annelida	Polychaeta	Polycidae	Polychaeta indet.		X	X	X	X	
Annelida	Polychaeta	Polycidae	<i>Polycirrus</i> sp. complex	X	X		X	X	X
Annelida	Polychaeta	Polydidae	<i>Polydora</i> sp. complex	X	X			X	X
Annelida	Polychaeta	Polynoidae	<i>Bylgides groenlandicus</i>	X					
Annelida	Polychaeta	Polynoidae	<i>Bylgides sarsi</i>		X	X	X	X	X
Annelida	Polychaeta	Polynoidae	<i>Bylgides</i> sp. A				X		
Annelida	Polychaeta	Polynoidae	<i>Bylgides</i> sp.						X
Annelida	Polychaeta	Polynoidae	<i>Gattyana cirrhosa</i>	X	X	X		X	X
Annelida	Polychaeta	Polynoidae	<i>Harmothoe extenuata</i>		X	X	X	X	X
Annelida	Polychaeta	Polynoidae	<i>Harmothoe fragilis</i>		X				
Annelida	Polychaeta	Polynoidae	<i>Harmothoe imbricata</i>	X	X	X	X	X	X
Annelida	Polychaeta	Polynoidae	<i>Harmothoe</i> sp.	X	X	X	X	X	X
Annelida	Polychaeta	Polynoidae	<i>Hartmania moorei</i>					X	X
Annelida	Polychaeta	Polynoidae	<i>Hartmania</i> sp.		X				
Annelida	Polychaeta	Polynoidae	<i>Melaenis loveni</i>						X
Annelida	Polychaeta	Polynoidae	<i>Neobylgides</i> sp.				X		
Annelida	Polychaeta	Polynoidae	Polynoidae indet.	X	X	X	X	X	X
Annelida	Polychaeta	Polynoidae	Polynoidae indet.					X	

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Annelida	Polychaeta	Praxiidae	<i>Praxilella</i> sp.					X	X	
Annelida	Polychaeta	Protodrilidae	<i>Protodrilus</i> sp.							X
Annelida	Polychaeta	Sabellidae	Sabellid sp. A					X		
Annelida	Polychaeta	Sabellidae	Sabellid sp. B					X		
Annelida	Polychaeta	Sabellidae	Sabellid sp. F					X		
Annelida	Polychaeta	Sabellidae	Sabellid sp. G					X		
Annelida	Polychaeta	Sabellidae	<i>Bispira</i> sp.							X
Annelida	Polychaeta	Sabellidae	<i>Branchiomma</i> sp.						X	X
Annelida	Polychaeta	Sabellidae	<i>Chone dunei</i>						X	X
Annelida	Polychaeta	Sabellidae	<i>Chone</i> sp.	X						
Annelida	Polychaeta	Sabellidae	<i>Dialychone</i> sp. A						X	X
Annelida	Polychaeta	Sabellidae	<i>Dialychone</i> sp. B						X	X
Annelida	Polychaeta	Sabellidae	<i>Dialychone</i> sp.						X	X
Annelida	Polychaeta	Sabellidae	<i>Euchone incolor</i>		X				X	X
Annelida	Polychaeta	Sabellidae	<i>Euchone papillosa</i>	X						
Annelida	Polychaeta	Sabellidae	<i>Euchone rubrocincta</i>						X	X
Annelida	Polychaeta	Sabellidae	<i>Euchone</i> sp.			X	X			X
Annelida	Polychaeta	Sabellidae	<i>Hypsicomus</i> sp.						X	
Annelida	Polychaeta	Sabellidae	<i>Paradialychone harrisae</i>						X	
Annelida	Polychaeta	Sabellidae	<i>Potamilla neglecta</i>			X	X			
Annelida	Polychaeta	Sabellidae	<i>Pseudopotamilla reniformis</i>					X		
Annelida	Polychaeta	Sabellidae	Sabellidae indet.		X	X	X		X	X
Annelida	Polychaeta	Sabellidae	Sabellidae sp. H						X	X
Annelida	Polychaeta	Sabellidae	Sabellidae sp. I						X	X
Annelida	Polychaeta	Sabellidae	Sabellidae sp. J						X	X
Annelida	Polychaeta	Scalibregmatidae	<i>Polyphysia baffinensis</i>	X						
Annelida	Polychaeta	Scalibregmatidae	<i>Polyphysia crassa</i>						X	X
Annelida	Polychaeta	Scalibregmatidae	<i>Scalibregma inflatum</i>	X	X	X	X		X	X
Annelida	Polychaeta	Scalibregmatidae	Scalibregmatidae indet.						X	
Annelida	Polychaeta	Serpulidae	<i>Bushiella (Jugaria) quadrangularis</i>						X	
Annelida	Polychaeta	Serpulidae	<i>Pileolaria</i> sp.						X	X
Annelida	Polychaeta	Serpulidae	Serpulidae indet.	X						
Annelida	Polychaeta	Serpulidae	Spirorbinae indet.						X	X
Annelida	Polychaeta	Sphaerodoridae	<i>Sphaerodoropsis minuta</i>	X					X	X
Annelida	Polychaeta	Spionidae	<i>Dipolydora caulleryi</i>						X	X
Annelida	Polychaeta	Spionidae	<i>Dipolydora concharum</i>							X
Annelida	Polychaeta	Spionidae	<i>Dipolydora quadrilobata</i>						X	X
Annelida	Polychaeta	Spionidae	<i>Dipolydora socialis</i>						X	X
Annelida	Polychaeta	Spionidae	<i>Dipolydora</i> sp.						X	X
Annelida	Polychaeta	Spionidae	<i>Laonice cirrata</i>							X
Annelida	Polychaeta	Spionidae	<i>Marenzelleria</i> sp.				X	X	X	X
Annelida	Polychaeta	Spionidae	<i>Prionospio cirrifera</i>						X	X
Annelida	Polychaeta	Spionidae	<i>Prionospio</i> sp.						X	X
Annelida	Polychaeta	Spionidae	<i>Prionospio steenstrupi</i>		X	X	X		X	X
Annelida	Polychaeta	Spionidae	<i>Pygospio</i> sp.		X				X	X
Annelida	Polychaeta	Spionidae	<i>Scolecopsis</i> sp.							X
Annelida	Polychaeta	Spionidae	<i>Spio filicornis</i>	X	X	X	X	X	X	X
Annelida	Polychaeta	Spionidae	Spionidae indet.	X	X	X	X	X	X	X
Annelida	Polychaeta	Spirorbidae	Spirorbidae indet.		X	X	X			
Annelida	Polychaeta	Syllidae	<i>Eusyllis</i> sp.							X
Annelida	Polychaeta	Syllidae	<i>Exogone</i> sp.		X				X	X
Annelida	Polychaeta	Syllidae	<i>Exogone verugera</i>	X	X					
Annelida	Polychaeta	Syllidae	<i>Paraxogone hebes</i>		X					X
Annelida	Polychaeta	Syllidae	<i>Pionosyllis</i> sp.							X
Annelida	Polychaeta	Syllidae	<i>Syllides longocirratu</i>							X
Annelida	Polychaeta	Syllidae	Syllidae indet.	X	X	X	X	X	X	
Annelida	Polychaeta	Syllidae	<i>Syllides</i> sp.						X	X
Annelida	Polychaeta	Terebellidae	<i>Amaeana</i> sp.							X
Annelida	Polychaeta	Terebellidae	<i>Lanassa venusta venusta</i>						X	X
Annelida	Polychaeta	Terebellidae	<i>Laphania boeckii</i>				X	X	X	X
Annelida	Polychaeta	Terebellidae	<i>Leaena abbranchiata</i>						X	X
Annelida	Polychaeta	Terebellidae	<i>Neoamphitrite affinis</i>						X	X
Annelida	Polychaeta	Terebellidae	<i>Nicolaea venustula</i>		X					
Annelida	Polychaeta	Terebellidae	<i>Pista cristata</i>					X		
Annelida	Polychaeta	Terebellidae	<i>Pista maculata</i>	X	X	X	X	X	X	X
Annelida	Polychaeta	Terebellidae	<i>Proclea graffii</i>							X
Annelida	Polychaeta	Terebellidae	Terebellidae indet.		X	X	X	X	X	X
Annelida	Polychaeta	Terebellidae	Terebellidae sp.		X	X	X			
Annelida	Polychaeta	Terebellidae	<i>Terebellides</i> sp.						X	X
Annelida	Polychaeta	Terebellidae	<i>Terebellides stroemi</i>	X	X	X	X	X	X	

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Annelida	Polychaeta	Trichidae	<i>Trichobranchus glacialis</i>	X				X	X
Annelida	Polychaeta	Trichobranchidae	<i>Terebellides reishi</i>					X	
Annelida	Polychaeta	Trichobranchidae	Trichobranchidae indet.	X					
Annelida	Polychaeta	Trochochaetidae	<i>Trochochaeta watsoni</i>					X	
Annelida	Polychaeta		Errantia indet.					X	
Annelida	Polychaeta/Archiannelida	Archiidae	Archiannelid indet.		X				
Arthropd	Amphipoda	Ampelescidae	<i>Haploops</i> sp.			X	X		
Arthropd	Amphipoda	Ampelescidae	<i>Haploops tubicola</i>	X	X		X	X	X
Arthropd	Amphipoda	Ampeliscidae	<i>Ampelisca eschrichtii</i>			X	X	X	X
Arthropd	Amphipoda	Ampeliscidae	<i>Ampelisca</i> sp.			X	X		
Arthropd	Amphipoda	Ampeliscidae	Ampeliscidae indet.				X		X
Arthropd	Amphipoda	Ampeliscidae	<i>Byblis gaimardii</i>	X					
Arthropd	Amphipoda	Ampeliscidae	<i>Byblis</i> sp.			X	X	X	X
Arthropd	Amphipoda	Amphilochidae	Amphilochidae indet.					X	
Arthropd	Amphipoda	Amphilochidae	<i>Amphilochopsis hamatus</i>					X	
Arthropd	Amphipoda	Amphilochidae	<i>Amphilochus</i> sp.						X
Arthropd	Amphipoda	Atylidae	<i>Atylus carinatus</i>	X	X	X	X	X	X
Arthropd	Amphipoda	Atylidae	<i>Nototropis</i> sp.			X			
Arthropd	Amphipoda	Calliopiidae	<i>Apherusa jurinei</i>		X				
Arthropd	Amphipoda	Calliopiidae	<i>Apherusa megalops</i>		X				
Arthropd	Amphipoda	Calliopiidae	Calliopiidae indet.					X	X
Arthropd	Amphipoda	Corophiidae	Corophiidae indet.				X		X
Arthropd	Amphipoda	Corophiidae	<i>Corophium</i> sp.	X	X				
Arthropd	Amphipoda	Corophiidae	<i>Crassikorophium bonellii</i>		X			X	X
Arthropd	Amphipoda	Corophiidae	<i>Monocorophium insidiosum</i>		X			X	
Arthropd	Amphipoda	Corophiidae	<i>Monocorophium</i> sp.					X	X
Arthropd	Amphipoda	Dexaminidae	<i>Dexamine</i> sp.					X	
Arthropd	Amphipoda	Dexaminidae	<i>Guernea nordenskioldi</i>	X	X	X	X	X	X
Arthropd	Amphipoda	Eusiridae	<i>Rhachotropis helleri</i>					X	X
Arthropd	Amphipoda	Eusiridae	<i>Rhachotropis oculata</i>		X				
Arthropd	Amphipoda	Eusiridae	<i>Rhachotropis</i> sp. *					X	
Arthropd	Amphipoda	Gammaridae	<i>Gammarus oceanicus</i>		X			X	
Arthropd	Amphipoda	Gammaridae	<i>Gammarus setosus</i>				X		
Arthropd	Amphipoda	Gammaridae	<i>Gammarus</i> sp.		X	X	X		X
Arthropd	Amphipoda	Hyperiididae	<i>Themisto</i> sp.				X		
Arthropd	Amphipoda	Isaeidae	<i>Protomedeia fasciata</i>		X		X		
Arthropd	Amphipoda	Isaeidae	<i>Protomedeia</i> sp.*					X	
Arthropd	Amphipoda	Isaeidae	<i>Rhachotropis aculeata</i>	X					
Arthropd	Amphipoda	Ischyroceridae	Ischyroceridae indet.	X					
Arthropd	Amphipoda	Ischyroceridae	<i>Ischyrocerus anguipes</i>		X	X			
Arthropd	Amphipoda	Ischyroceridae	<i>Ischyrocerus</i> sp.			X			
Arthropd	Amphipoda	Lysianassidae	<i>Gronella groenlandica</i>		X		X	X	X
Arthropd	Amphipoda	Lysianassidae	Lysianassidae indet.	X		X		X	
Arthropd	Amphipoda	Lysianassidae	Lysianassoidea indet.					X	X
Arthropd	Amphipoda	Lysianassidae	<i>Scopelocheirus hopei</i>				X		
Arthropd	Amphipoda	Munnopsidae	<i>Eurycope</i> sp.						X
Arthropd	Amphipoda	Oedicerotidae	<i>Aceroides</i> sp.						X
Arthropd	Amphipoda	Oedicerotidae	<i>Arrhis</i> sp.*						X
Arthropd	Amphipoda	Oedicerotidae	<i>Bathymedon obtusifrons*</i>				X	X	
Arthropd	Amphipoda	Oedicerotidae	<i>Deflexilodes tessellatus</i>		X				
Arthropd	Amphipoda	Oedicerotidae	<i>Monoculodes latimanus</i>		X			X	
Arthropd	Amphipoda	Oedicerotidae	<i>Monoculodes</i> sp.	X	X	X	X	X	X
Arthropd	Amphipoda	Oedicerotidae	<i>Monoculopsis longicornis</i>		X		X	X	
Arthropd	Amphipoda	Oedicerotidae	<i>Oediceros borealis</i>		X	X	X		
Arthropd	Amphipoda	Oedicerotidae	Oedicerotidae indet.	X	X	X	X	X	X
Arthropd	Amphipoda	Oedicerotidae	<i>Paroediceros lynceus</i>	X	X	X	X	X	X
Arthropd	Amphipoda	Oedicerotidae	<i>Paroediceros</i> sp.		X				
Arthropd	Amphipoda	Oedicerotidae	<i>Rostriculodes borealis</i>			X		X	
Arthropd	Amphipoda	Oedicerotidae	<i>Rostriculodes kroyeri</i>			X	X		
Arthropd	Amphipoda	Oedicerotidae	<i>Rostriculodes longirostris</i>					X	
Arthropd	Amphipoda	Oedicerotidae	<i>Rostriculodes</i> sp.					X	X
Arthropd	Amphipoda	Oedicerotidae	<i>Westwoodilla caecula</i>			X			
Arthropd	Amphipoda	Oedicerotidae	<i>Westwoodilla</i> sp.		X		X	X	X
Arthropd	Amphipoda	Opisidae	<i>Opisa eschrichti</i>				X		
Arthropd	Amphipoda	Phoxocephalidae	<i>Harpinia serrata</i>	X		X		X	X
Arthropd	Amphipoda	Phoxocephalidae	<i>Harpinia</i> sp.			X	X	X	X
Arthropd	Amphipoda	Phoxocephalidae	<i>Phoxocephalus holbolli</i>				X		
Arthropd	Amphipoda	Podoceridae	<i>Dyopedos</i> sp.					X	X
Arthropd	Amphipoda	Pontoporeiidae	<i>Monoporeia affinis</i>	X	X	X	X	X	X
Arthropd	Amphipoda	Pontoporeiidae	<i>Pontoporeia femorata</i>	X	X	X	X	X	X

ANNEXE I-1:
AIS Benthic Infauna Taxa Master List

Arthropd	Amphipoda	Pontoporeiidae	Pontoporeiidae indet.					X	
Arthropd	Amphipoda	Stenothoidae	<i>Hardametopa nasuta</i>					X	
Arthropd	Amphipoda	Stenothoidae	<i>Metopa</i> sp.		X				
Arthropd	Amphipoda	Stenothoidae	Stenothoidae indet.	X			X	X	X
Arthropd	Amphipoda	Tryphosidae	<i>Hippomedon denticulatus</i>			X			
Arthropd	Amphipoda	Tryphosidae	<i>Hippomedon serratus</i>				X		
Arthropd	Amphipoda	Tryphosidae	<i>Orchomene macroseratus</i>	X					
Arthropd	Amphipoda	Tryphosidae	<i>Orchomene</i> sp.					X	X
Arthropd	Amphipoda	Tryphosidae	<i>Orchomenella minuta</i>		X		X		X
Arthropd	Amphipoda	Tryphosidae	<i>Orchomenella pinguis</i>				X	X	X
Arthropd	Amphipoda	Tryphosidae	<i>Orchomenella</i> sp.		X		X		
Arthropd	Amphipoda	Uristidae	<i>Anonyx nugax</i>	X	X	X	X	X	
Arthropd	Amphipoda	Uristidae	<i>Anonyx ochoticus</i>				X		
Arthropd	Amphipoda	Uristidae	<i>Anonyx pacificus</i>				X		
Arthropd	Amphipoda	Uristidae	<i>Anonyx sarsi</i>			X	X	X	X
Arthropd	Amphipoda	Uristidae	<i>Anonyx</i> sp.		X	X	X	X	X
Arthropd	Amphipoda	Uristidae	<i>Menigrates obtusifrons</i>					X	
Arthropd	Amphipoda	Uristidae	<i>Onisimus barentsi</i> Group					X	X
Arthropd	Amphipoda	Uristidae	<i>Onisimus brevicaudatus</i>						X
Arthropd	Amphipoda	Uristidae	<i>Onisimus litoralis</i>			X			
Arthropd	Amphipoda	Uristidae	<i>Onisimus normani</i>			X			
Arthropd	Amphipoda	Uristidae	<i>Onisimus plautus</i>				X		
Arthropd	Amphipoda	Uristidae	<i>Onisimus</i> sp.	X				X	X
Arthropd	Amphipoda	Uristidae	Uristidae indet.					X	
Arthropd	Amphipoda		Amphipoda indet.	X	X	X	X	X	X
Arthropd	Arachnida	Acariopodae	Acari indet.	X	X				
Arthropd	Cirripedia	Archaeobalanidae	<i>Semibalanus balanoides</i>	X					
Arthropd	Cirripedia	Balanidae	<i>Balanus</i> sp.	X			X		
Arthropd	Cirripedia		Balanomorpha indet.					X	X
Arthropd	Cirripedia		Cirripedia indet.			X	X		
Arthropd	Coleoptera	Curculionidae	Curculionidae indet.						X
Arthropd	Cumacea	Bodotriidae	<i>Cyclaspis longicaudata</i>	X					
Arthropd	Cumacea	Diastylidae	<i>Brachydiastylis resima</i>	X	X	X	X	X	X
Arthropd	Cumacea	Diastylidae	Diastylidae indet.					X	X
Arthropd	Cumacea	Diastylidae	<i>Diastylis alaskensis</i>					X	
Arthropd	Cumacea	Diastylidae	<i>Diastylis bradyi</i>					X	X
Arthropd	Cumacea	Diastylidae	<i>Diastylis echinata</i>			X	X		
Arthropd	Cumacea	Diastylidae	<i>Diastylis goodsiri</i>	X				X	X
Arthropd	Cumacea	Diastylidae	<i>Diastylis lucifera</i>			X		X	X
Arthropd	Cumacea	Diastylidae	<i>Diastylis rathkei</i>	X	X	X		X	X
Arthropd	Cumacea	Diastylidae	<i>Diastylis scorpiodes</i>	X		X	X	X	X
Arthropd	Cumacea	Diastylidae	<i>Diastylis sculpta</i>		X				
Arthropd	Cumacea	Diastylidae	<i>Diastylis</i> sp.		X		X	X	X
Arthropd	Cumacea	Diastylidae	<i>Diastylis spinulosa</i>	X		X		X	X
Arthropd	Cumacea	Diastylidae	<i>Diastylis biplicatus</i>					X	X
Arthropd	Cumacea	Lampropidae	<i>Hemilamprops cristatus</i>					X	
Arthropd	Cumacea	Lampropidae	Lampropidae indet.			X		X	X
Arthropd	Cumacea	Lampropidae	<i>Lamprops fuscatus</i>	X	X	X	X	X	X
Arthropd	Cumacea	Lampropidae	<i>Lamprops</i> sp.			X	X		
Arthropd	Cumacea	Leuconidae	<i>Eudorella emarginata</i>			X	X		
Arthropd	Cumacea	Leuconidae	<i>Eudorella</i> sp.	X		X	X	X	
Arthropd	Cumacea	Leuconidae	<i>Eudorella truncatula</i>			X	X	X	X
Arthropd	Cumacea	Leuconidae	<i>Eudorellopsis</i> sp.	X					
Arthropd	Cumacea	Leuconidae	<i>Leucon nasicoides</i>	X	X	X	X	X	
Arthropd	Cumacea	Leuconidae	<i>Leucon</i> sp.			X		X	X
Arthropd	Cumacea	Leuconidae	Leuconidae indet.					X	X
Arthropd	Cumacea	Nannastacidae	<i>Campylaspis rubicunda</i>					X	X
Arthropd	Cumacea	Nannastacidae	<i>Campylaspis</i> sp.					X	
Arthropd	Cumacea		Cumacea indet.		X	X	X	X	X
Arthropd	Cyclopoida		Cyclopoida indet.					X	X
Arthropd	Decapoda	Crangonidae	<i>Sabinea septemcarinata</i>	X		X		X	X
Arthropd	Decapoda	Crangonidae	<i>Sclerocrangon boreas</i>				X	X	X
Arthropd	Decapoda	Thoridae	<i>Lebbeus polaris</i>	X					X
Arthropd	Harpacticoida		Harpacticoida indet.	X	X		X	X	X
Arthropd	Insecta	Chironomidae	Chironomidae indet.	X					X
Arthropd	Insecta	Chironomidae	Chironominae indet.	X					
Arthropd	Insecta	Orthoclaadiinae	Orthoclaadiinae	X				X	X
Arthropd	Insecta		Diptera indet.					X	
Arthropd	Isopoda	Desmosomatidae	<i>Desmosoma</i> sp.		X				
Arthropd	Isopoda	Desmosomatidae	Desmosomatidae indet.					X	

ANNEXE I-1:
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Arthropd	Isopoda	Desmosomatidae	<i>Eugerda</i> sp.	X					
Arthropd	Isopoda	Gnathiidae	<i>Gnathia maxillaris</i>				X		
Arthropd	Isopoda	Gnathiidae	<i>Gnathia</i> sp.	X	X			X	
Arthropd	Isopoda	Gnathiidae	Gnathiidae indet.					X	X
Arthropd	Isopoda	Isopoopodae	<i>Isopoda</i> sp. A				X		
Arthropd	Isopoda	Paramunnidae	<i>Pleurogonium rubicundum</i>					X	
Arthropd	Isopoda	Paramunnidae	<i>Pleurogonium</i> sp.					X	
Arthropd	Isopoda	Paramunnidae	<i>Pleurogonium spinosissimum</i>	X				X	X
Arthropd	Isopoda		Asellota indet.					X	
Arthropd	Myodocopa		Myodocopa indet.	X	X	X	X		
Arthropd	Mysida	Mysidae	<i>Mysis mixta</i>		X		X	X	
Arthropd	Mysida	Mysidae	<i>Mysis</i> sp.		X				X
Arthropd	Mysida		Mysida indet.					X	
Arthropd	Ostracoda	Philomedidae	<i>Philomedes</i> sp.					X	X
Arthropd	Ostracoda	Trachylenerididae	<i>Robertsonites tuberculatus</i> *					X	
Arthropd	Ostracoda		Ostracoda indet.					X	
Arthropd	Pycnogonida	Ammonotheidae	<i>Achelia spinosa</i>				X		
Arthropd	Pycnogonida		Pycnogonida indet.	X		X		X	
Arthropd	Pycnogonida	Ammonotheidae	<i>Achelia</i> sp.					X	
Arthropd	Pycnogonida	Numphonidae	<i>Nymphon</i> sp.					X	X
Arthropd	Tanaidacea	Akanthophoreidae	<i>Akanthophoreus gracilis</i>					X	
Arthropd	Tanaidacea	Akanthophoreidae	<i>Akanthophoreus</i> sp.					X	X
Arthropd	Tanaidacea	Pseudotanaididae	<i>Pseudotanais</i> sp.					X	X
Arthropd	Tanaidacea	Sphyrapodidae	<i>Pseudosphyrapus anomalus</i>	X			X	X	X
Arthropd	Tanaidacea	Typhlotanaididae	<i>Typhlotanais</i> sp.					X	X
Arthropd	Tanaidacea		Tanaidacea indet.	X	X	X	X	X	X
Arthropd	Trombidiformes	Halacaridae	Halacaridae indet.					X	X
Bryozoa	Cheilostomatida	Calloporidae	Calloporidae indet.						X
Bryozoa	Cheilostomatida	Candidae	<i>Scrupocellaria</i> sp.						X
Bryozoa	Cheilostomatida	Myriaporidae	<i>Leieschara</i> sp.						X
Bryozoa	Ctenostomata	Vesiculariidae	<i>Bowerbankia</i> sp.					X	
Bryozoa	Ctenostomata		Ctenostomata indet.					X	X
Bryozoa	Ctenostomatida	Alcyonidiidae	<i>Alcyonidium</i> sp.						X
Bryozoa	Ctenostomatida	Triticellidae	<i>Triticella</i> sp.						X
Bryozoa		Crisiidae	<i>Crisia</i> sp.					X	X
Bryozoa		Epistomiidae	<i>Synnotum</i> sp.					X	
Bryozoa		Hippothoidae	<i>Celleporella hyalina</i> *					X	
Bryozoa			Bryozoa indet.					X	X
Cephalor	Priapulida	Priapulidae	<i>Priapulus caudatus</i>	X		X	X	X	X
Cephalor	Priapulida	Priapulidae	<i>Priapulus</i> sp.					X	X
Cephalor	Priapulida		Priapulid indet.		X				
Chordata	Asciacea	Asciidae	<i>Ascidia callosa</i>		X				
Chordata	Asciacea	Asciidae	<i>Ascidia</i> sp.		X	X		X	X
Chordata	Asciacea	Pyuridae	<i>Boltenia echinata</i>			X		X	X
Chordata	Asciacea	Styelidae	<i>Polycarpa fibrosa</i>					X	X
Chordata	Asciacea		Asciacea indet.					X	
Chordata	Asciacea		Aplousobranchia indet.						X
Chordata	Asciacea		<i>Molgula</i> sp.		X				X
Chordata	Asciacea		Tunicate sp.				X		
Chordata			Pisces indet.					X	
Cnidaria	Anthozoa	Actiniidae	<i>Urticina</i> sp.*					X	
Cnidaria	Anthozoa	Hormathiidae	<i>Hormathia digitata</i> *					X	
Cnidaria	Anthozoa	Parazoanthidae	<i>Parazoanthus</i> sp.					X	
Cnidaria	Hydrozoa	Bougainvilliidae	Bougainvilliidae indet.					X	X
Cnidaria	Hydrozoa	Olindiidae	<i>Monobrachium parasitum</i>					X	X
Cnidaria	Hydrozoa		Hydrozoa					X	
Echinodé	Echinoidea	Strongylocentrotidae	<i>Strongylocentrotus droebachiensis</i>	X		X	X	X	X
Echinodé	Echinoidea	Strongylocentrotidae	<i>Strongylocentrotus</i> sp.		X			X	X
Echinodé	Holothuroidea	Asteriidae	Asteriidae indet.			X			
Echinodé	Holothuroidea	Leieschara	<i>Myriotrochus rinkii</i>				X		
Echinodé	Holothuroidea	Myriotrochidae	<i>Psolus phantapus</i>					X	X
Echinodé	Holothuroidea	Psolidae	Holothuroidea sp. A					X	X
Echinodé	Molpadida		Molpadida indet.					X	X
Echinodé	Ophiuroidea	Ophiuridae	<i>Ophiocten affinis</i>						X
Echinodé	Ophiuroidea	Ophiuridae	<i>Ophiocten sericeum</i>	X	X				
Echinodé	Ophiuroidea	Ophiuridae	<i>Ophiura robusta</i>	X		X	X	X	X
Echinodé	Ophiuroidea	Ophiuridae	<i>Ophiura sarsi</i>	X	X	X	X	X	X
Echinodé	Ophiuroidea	Ophiuridae	<i>Ophiura</i> sp.			X		X	
Echinodé	Ophiuroidea		Ophiuroidea indet.			X			
Mollusca	Aplacophora		Aplacophora indet.					X	X

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Mollusca	Bivalvia	Arcidae	<i>Bathyarca glacialis</i>						X
Mollusca	Bivalvia	Astartidae	<i>Astarte borealis</i>	X	X	X	X	X	X
Mollusca	Bivalvia	Astartidae	<i>Astarte montagui</i>	X		X	X	X	X
Mollusca	Bivalvia	Astartidae	<i>Astarte</i> sp.	X	X	X	X	X	X
Mollusca	Bivalvia	Bivalvaceae	Bivalve indet.		X	X	X	X	
Mollusca	Bivalvia	Bivalvaceae	Bivalve sp. A				X		
Mollusca	Bivalvia	Cardiidae	<i>Ciliatocardium ciliatum</i>	X		X	X	X	X
Mollusca	Bivalvia	Cardiidae	<i>Serripes groenlandicus</i>		X	X	X	X	X
Mollusca	Bivalvia	Cardiidae	<i>Serripes</i> sp.		X				
Mollusca	Bivalvia	Cardiidae	Cardiidae indet.					X	
Mollusca	Bivalvia	Cuspidariidae	<i>Cuspidaria arctica</i>			X			
Mollusca	Bivalvia	Cuspidariidae	<i>Cuspidaria</i> sp.	X					X
Mollusca	Bivalvia	Hiatellidae	<i>Hiatella arctica</i>	X	X	X	X	X	X
Mollusca	Bivalvia	Lyonsiidae	<i>Lyonsia arenosa</i>					X	X
Mollusca	Bivalvia	Margaritidae	<i>Margarites groenlandicus</i>		X	X	X	X	X
Mollusca	Bivalvia	Margaritidae	<i>Margarites helicinus</i>					X	X
Mollusca	Bivalvia	Margaritidae	<i>Margarites olivaceus</i>	X					X
Mollusca	Bivalvia	Margaritidae	<i>Margarites</i> sp.					X	X
Mollusca	Bivalvia	Myidae	<i>Mya</i> sp.					X	X
Mollusca	Bivalvia	Myidae	<i>Mya truncata</i>	X	X	X	X	X	X
Mollusca	Bivalvia	Mytilidae	<i>Crenella faba</i>	X	X	X	X	X	X
Mollusca	Bivalvia	Mytilidae	<i>Crenella</i> sp.		X				
Mollusca	Bivalvia	Mytilidae	<i>Dacrydium vitreum</i>	X					X
Mollusca	Bivalvia	Mytilidae	<i>Musculus discors</i>	X	X	X	X	X	X
Mollusca	Bivalvia	Mytilidae	<i>Musculus niger*</i>		X			X	
Mollusca	Bivalvia	Mytilidae	<i>Musculus</i> sp.	X				X	
Mollusca	Bivalvia	Mytilidae	<i>Mya arenaria</i>			X	X		
Mollusca	Bivalvia	Mytilidae	Mytilidae indet.	X				X	X
Mollusca	Bivalvia	Mytilidae	<i>Mytilus edulis</i>		X				
Mollusca	Bivalvia	Mytilidae	<i>Mytilus</i> sp.					X	
Mollusca	Bivalvia	Nuculanidae	<i>Nuculana minuta</i>		X	X	X	X	X
Mollusca	Bivalvia	Nuculanidae	<i>Nuculana pernula</i>	X	X	X	X	X	X
Mollusca	Bivalvia	Nuculanidae	<i>Nuculana</i> sp.					X	X
Mollusca	Bivalvia	Nuculanoidea	Nuculanoidea indet.					X	X
Mollusca	Bivalvia	Nuculidae	<i>Ennucula tenuis</i>	X				X	X
Mollusca	Bivalvia	Nuculidae	<i>Nucula</i> sp.			X			
Mollusca	Bivalvia	Nuculidae	<i>Pronucula tenuis</i>		X	X	X		
Mollusca	Bivalvia	Pectinidae	<i>Chlamys islandica</i>			X	X	X	X
Mollusca	Bivalvia	Pectinidae	Pectinidae indet.					X	X
Mollusca	Bivalvia	Pectinidae	<i>Similipecten greenlandicus</i>	X		X	X		X
Mollusca	Bivalvia	Pectinoidea	Pectinoidea indet.					X	
Mollusca	Bivalvia	Periplomatidae	<i>Periploma aleuticum</i>	X				X	X
Mollusca	Bivalvia	Propeamussiidae	<i>Similipecten greenlandicus</i>					X	
Mollusca	Bivalvia	Propeamussiidae	Propeamussiidae indet.					X	X
Mollusca	Bivalvia	Tellinidae	<i>Macoma balthica</i>			X	X	X	X
Mollusca	Bivalvia	Tellinidae	<i>Macoma calcarea</i>	X	X	X	X	X	X
Mollusca	Bivalvia	Tellinidae	<i>Macoma moesta</i>					X	X
Mollusca	Bivalvia	Tellinidae	<i>Macoma</i> sp.					X	X
Mollusca	Bivalvia	Thraciidae	<i>Thracia myopsis</i>			X	X	X	X
Mollusca	Bivalvia	Thraciidae	<i>Thracia</i> sp.					X	X
Mollusca	Bivalvia	Thyasiridae	<i>Axinopsida</i> sp.						X
Mollusca	Bivalvia	Thyasiridae	<i>Axinopsida serricata*</i>					X	
Mollusca	Bivalvia	Thyasiridae	<i>Thyasira flexuosa</i>		X	X	X		
Mollusca	Bivalvia	Thyasiridae	<i>Thyasira gouldi</i>	X					
Mollusca	Bivalvia	Thyasiridae	<i>Thyasira</i> sp.					X	X
Mollusca	Bivalvia	Thyasiridae	Thyasiridae indet.					X	X
Mollusca	Bivalvia	Yoldiidae	<i>Portlandia arctica</i>	X	X	X	X	X	
Mollusca	Bivalvia	Yoldiidae	<i>Yoldiella lenticula</i>	X					X
Mollusca	Bivalvia	Yoldiidae	<i>Yoldiella frigida</i>						X
Mollusca	Bivalvia	Yoldiidae	<i>Yoldiella intermedia</i>						X
Mollusca	Bivalvia	Yoldiidae	<i>Yoldiella nana</i>	X					
Mollusca	Bivalvia	Yoldiidae	Yoldiidae indet.					X	X
Mollusca	Chaetodermatida	Chaetodermatidae	<i>Chaetoderma</i> sp.			X	X	X	X
Mollusca	Gastropoda	Buccinidae	<i>Buccinum hydrophanum</i>						X
Mollusca	Gastropoda	Buccinidae	Buccinidae indet.					X	X
Mollusca	Gastropoda	Buccinidae	<i>Colus</i> sp.					X	X
Mollusca	Gastropoda	Buccinidae	<i>Volutopsisus norwegicus</i>					X	X
Mollusca	Gastropoda	Cancellariidae	<i>Admete viridula</i>				X		X
Mollusca	Gastropoda	Capulidae	<i>Ariadnaria borealis</i>			X	X	X	X
Mollusca	Gastropoda	Cephalaspidea	Cephalaspidea indet.					X	X

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Mollusca	Gastropoda	Colloniidae	<i>Moelleria costulata</i> *					X	X
Mollusca	Gastropoda	Columbellidae	Columbellidae indet.						X
Mollusca	Gastropoda	Cylichnidae	<i>Acteocina canaliculata</i>	X					
Mollusca	Gastropoda	Cylichnidae	<i>Acteocina</i> sp.					X	
Mollusca	Gastropoda	Cylichnidae	<i>Cylichna alba</i>	X		X	X		X
Mollusca	Gastropoda	Cylichnidae	<i>Cylichna gouldi</i>			X	X		
Mollusca	Gastropoda	Cylichnidae	<i>Cylichna</i> sp.					X	X
Mollusca	Gastropoda	Cylichnidae	Cylichnidae indet.					X	X
Mollusca	Gastropoda	Cylichnidae	<i>Cylichnoides occultus</i>	X				X	X
Mollusca	Gastropoda	Gastrscae	Gastropod sp. A				X		
Mollusca	Gastropoda	Lepetidae	<i>Lepeta caeca</i>	X	X	X	X	X	X
Mollusca	Gastropoda	Lottiidae	Lottiidae indet.					X	X
Mollusca	Gastropoda	Lottiidae	<i>Testudinalia testudinalis</i>	X	X	X			X
Mollusca	Gastropoda	Mangeliidae	<i>Oenopota</i> sp.				X		X
Mollusca	Gastropoda	Mangeliidae	<i>Oenopota violacea</i>		X	X	X		
Mollusca	Gastropoda	Mangeliidae	<i>Propebela</i> sp.					X	
Mollusca	Gastropoda	Mangeliidae	<i>Propebela nobilis</i>				X		
Mollusca	Gastropoda	Naticidae	<i>Bulbus</i> sp.		X				
Mollusca	Gastropoda	Naticidae	<i>Cryptonatica affinis</i>			X	X	X	X
Mollusca	Gastropoda	Naticidae	<i>Euspira pallida</i>	X				X	X
Mollusca	Gastropoda	Naticidae	<i>Naticidae (juvenile)</i>			X			
Mollusca	Gastropoda	Retusidae	<i>Retusa obtusa</i>		X				
Mollusca	Gastropoda	Retusidae	Retusidae indet.		X				
Mollusca	Gastropoda	Rissoidae	<i>Boreocingula castanea</i>		X		X		X
Mollusca	Gastropoda	Rissoidae	Rissoidae indet.					X	X
Mollusca	Gastropoda	Skeneopsidae	<i>Skeneopsis planorbis</i>		X				
Mollusca	Gastropoda	Trochidae	Trochidae indet.	X				X	X
Mollusca	Gastropoda	Turridae	Turridae indet.	X				X	
Mollusca	Gastropoda	Velutinidae	Velutinidae indet.					X	X
Mollusca	Gastropoda		Gastropoda indet.			X		X	X
Mollusca	Gastropoda		Patellogastropoda indet.		X	X		X	
Mollusca	Polyplacophora	Tonicellidae	<i>Tonicella marmorea</i>	X		X	X	X	X
Mollusca	Polyplacophora		Polyplacophora indet.*					X	
Nemerte	Anopla	Lineidae	<i>Cerebratulus</i> sp.		X	X		X	X
Nemerte	Anopla		Anopla indet.					X	X
Nemerte	Enopla	Tetrastemmatidae	<i>Tetrastemma</i> sp.*					X	
Nemerte	Enopla		<i>Enopla</i>					X	X
Nemerte	Palaeonemertea	Cephalothricidae	<i>Cephalothrix</i> sp.					X	X
Nemerte	Palaeonemertea	Carinomidae	<i>Carinoma</i> sp.						X
Nemerte	Palaeonemertea	Tubulanidae	<i>Tubulanus</i> sp.						X
Nemertea			Nemertean indet.		X	X	X	X	X
Nemertea			Nemertean sp.				X		
Platyhelminthes			Platyhelminthes indet.					X	X
Porifera	Calcarea		Calcarea indet.					X	X
Sipunculi	Sipunculidea	Golfingiidae	<i>Golfingia</i> sp.					X	X
Sipunculi	Sipunculidea	Golfingiidae	<i>Nephasoma</i> sp.					X	
Sipuncula			Sipunculid indet.			X	X		
Total # Taxa				135	147	156	188	237	320
# Unique Taxa				135	84	53	50	113	47

Notes: taxa identified to the lowest practical taxonomic level; presence/absence for previous years taken from SEM 2017. *=taxa identified only at Ragged Island;

ANNEXE I-2 Status Review of Benthic Infauna Taxa First Observed in Milne Inlet in 2018

Taxa	Phylum	Class	Order	Description
<i>Kirkegaardia</i> sp.	Annelida	Polychaeta	Cirratulidae	Genus containing described species with North Atlantic distributions
<i>Parougia caeca</i>	Annelida	Polychaeta	Echiuridae	Widely distributed in the Canadian Arctic and the North Atlantic
<i>Pseudofabricia</i> sp. nr. <i>aberrans</i>	Annelida	Polychaeta	Fabriciidae	Only described species within genus, with limited description, possibly endemic to Mediterranean Sea, or incomplete range on record. Possible Arctic cryptid (Giangrande and Cantone 1990). See <i>Manayunkia aesturiana</i> for specimen reidentification following independent verification
<i>Manayunkia aesturiana</i>	Annelida	Polychaeta	Fabriciidae	Identification following independent verification of <i>Pseudofabricia</i> sp. nr. <i>aberrans</i> . Polychaete species with Canadian Arctic and North Atlantic distributions, recorded occurrences on Baffin Island (Goldsmit 2016)
<i>Gyptis</i> sp.*	Annelida	Polychaeta	Hesionidae	Genus containing described species with Canadian Arctic and North Atlantic distributions
<i>Microphthalmus</i> sp.	Annelida	Polychaeta	Hesionidae	Genus containing described species with Canadian Arctic and North West Atlantic distributions, recorded occurrences on Baffin Island (Cusson 2018, Goldsmit 2016)
<i>Scoletoma</i> sp.	Annelida	Polychaeta	Lumbrineridae	Genus containing described species with Canadian Arctic and North Atlantic distributions, recorded occurrences on Baffin Island (Goldsmit 2016)
<i>Nicomache</i> sp.	Annelida	Polychaeta	Maldanidae	Genus containing described species with Canadian Arctic and North West Atlantic distributions, recorded occurrences on Baffin Island (Cusson 2018)
<i>Praxillella gracilis</i>	Annelida	Polychaeta	Maldanidae	Polychaete species with a large North Atlantic distribution, including the Canadian Arctic, recorded occurrences on Baffin Island (Cusson 2018)
<i>Rhodine gracilior</i>	Annelida	Polychaeta	Maldanidae	Possible identification from independent verification of a possible <i>R. loveni</i> specimen. <i>R. gracilior</i> has a described distribution of North Atlantic and Canadian Arctic waters, recorded occurrences on Baffin Island (Cusson 2018)
<i>Aglaophamus</i> sp.	Annelida	Polychaeta	Nephtyidae	Genus containing described species with Canadian Arctic and North West Atlantic distributions, recorded occurrences near Baffin Island (Cusson 2018)
<i>Nephtys buccera</i>	Annelida	Polychaeta	Nephtyidae	Polychaete species with a North Atlantic distribution, Gulf of St. Lawrence and Bay of Fundy
<i>Ophelina cylindricaudata</i>	Annelida	Polychaeta	Ophelidae	Polychaete species with a North Atlantic distribution, including the Scandinavian Arctic, and North West Atlantic, recorded occurrences on Baffin Island (Cusson 2018, DFO 2016)
<i>Eulalia</i> sp.	Annelida	Polychaeta	Phyllodocidae	Genus containing described species with distributions including the Arctic Ocean and North West Atlantic, recorded occurrences on Baffin Island (Goldsmit 2016)
<i>Byligides</i> sp.	Annelida	Polychaeta	Polynoidea	Genus containing described species with distributions including the Arctic Ocean, Canadian Arctic and North West Atlantic, recorded occurrences on Baffin Island (Cusson 2018)
<i>Melaenis loveni</i>	Annelida	Polychaeta	Polynoidea	Polychaete species local to the Canadian Arctic, the North Atlantic and the Arctic Ocean
<i>Protodrilus</i> sp.	Annelida	Polychaeta	Protodrilidae	Genus containing described species with North Atlantic distributions and in Scandinavian waters
<i>Bispira</i> sp.	Annelida	Polychaeta	Sabellidae	Genus containing described species with North Atlantic and Arctic Ocean distributions, including Greenland waters
<i>Dipolydora concharum</i>	Annelida	Polychaeta	Spionidae	Polychaete species with a North West Atlantic distribution, Gulf of St. Lawrence and Bay of Fundy
<i>Dipolydora socialis</i>	Annelida	Polychaeta	Spionidae	Polychaete species with a North West Atlantic distribution, recorded occurrences on Baffin Island (Goldsmit 2016)
<i>Laonice cirrata</i>	Annelida	Polychaeta	Spionidae	Polychaete species with a wide distribution including the Canadian Arctic and the North Atlantic, recorded occurrences on Baffin Island (Cusson 2018)
<i>Scoletopsis</i> sp.	Annelida	Polychaeta	Spionidae	Cosmopolitan genus with recorded occurrences on Baffin Island (Goldsmit 2016, Cusson 2018)
<i>Eusyllis</i> sp.	Annelida	Polychaeta	Syllidae	Genus containing described species with North Atlantic and Arctic Ocean distributions, including recorded occurrences on Baffin Island (Goldsmit 2016, Cusson 2018)
<i>Pionosyllis</i> sp.	Annelida	Polychaeta	Syllidae	Genus containing described species with North Atlantic and Arctic Ocean distributions, including recorded occurrences on Baffin Island (Cusson 2018)
<i>Syllides longocirratulus</i>	Annelida	Polychaeta	Syllidae	Polychaete species with North Atlantic and Scandinavian distributions, recorded occurrences of an unknown species in same genus on Baffin Island (Goldsmit 2016)
<i>Amaeana</i> sp.	Annelida	Polychaeta	Terebellidae	Genus containing described species with North Atlantic distributions and in Scandinavian waters
<i>Proclea graffii</i>	Annelida	Polychaeta	Terebellidae	Polychaete species with North Atlantic and Canadian Arctic distributions, including recorded occurrences on Baffin Island (Cusson 2018)
<i>Amphilocheus</i> sp.	Arthropoda	Amphipoda	Amphilocheidae	Genus containing described species with North Atlantic and Arctic Ocean distributions, including recorded occurrences on Baffin Island (Cusson 2018)
<i>Eurycope</i> sp.	Arthropoda	Amphipoda	Munnopsidae	Genus containing described species with North Atlantic and Arctic Ocean distributions, including recorded occurrences on Baffin Island (Cusson 2018)
<i>Aceroides</i> sp.	Arthropoda	Amphipoda	Oedicerotidae	Genus containing described species with North Atlantic and Arctic Ocean distributions, including recorded occurrences on Baffin Island (Cusson 2018)
<i>Arrhis</i> sp.*	Arthropoda	Amphipoda	Oedicerotidae	Genus containing described species with North Atlantic and Arctic Ocean distributions, including recorded occurrences on Baffin Island (Cusson 2018, DFO 2016)
<i>Onisimus brevicaudatus</i>	Arthropoda	Amphipoda	Uristidae	Amphipod species with North Atlantic distribution, including a recorded occurrence in the Canadian Arctic (as <i>Boeckosimus brevicaudatus</i> , Cusson 2018)
Curculionidae indet.	Arthropoda	Coleoptera	Curculionidae	Large coleopteran family with global representation, including Arctic distribution (EOL 2019)
Calloporidae indet.	Bryozoa	Cheilostomatida	Calloporidae	Bryozoan family with North Atlantic and Arctic distributions, recorded occurrences on Baffin Island (Goldsmit 2016)
<i>Scrupocellaria</i> sp.	Bryozoa	Cheilostomatida	Candidae	Bryozoan family with North Atlantic and Arctic distributions, recorded occurrence of <i>minor</i> on Baffin Island (Goldsmit 2016)
<i>Leieschara</i> sp.	Bryozoa	Cheilostomatida	Myriaporidae	Genus containing described species with North Atlantic distributions and in Scandinavian waters
<i>Alcyonidium</i> sp.	Bryozoa	Ctenostomatida	Alcyoniidae	Genus containing described species with North Atlantic and Arctic Ocean distributions, including recorded occurrences on Baffin Island (Cusson 2018)
<i>Triticella</i> sp.	Bryozoa	Ctenostomatida	Triticellidae	Genus containing described species with North West Atlantic distributions
Aplousobranchia indet.	Chordata	Asciacea		Order of ascidians with global distributions, including recorded occurrences in the Canadian Arctic and Baffin Island (DFO 2016)
<i>Ophiocten affinis</i>	Echinodermata	Ophiuroidea	Ophiuridae	Brittle star species with a North East Atlantic and Scandinavian recorded distribution, specimens collected in Arctic waters.
<i>Batharca glacialis</i>	Mollusca	Bivalvia	Arcidae	Bivalve species with documented distribution in the Canadian Arctic, recorded occurrences near Baffin Island (Cusson 2018, DFO 2016)
<i>Yoldiella frigida</i>	Mollusca	Bivalvia	Yoldiidae	Bivalve species with documented distribution in the Canadian Arctic, recorded occurrences near Baffin Island (Cusson 2018)
<i>Yoldiella intermedia</i>	Mollusca	Bivalvia	Yoldiidae	Bivalve species with documented distribution in the Canadian Arctic, recorded occurrences near Baffin Island (Cusson 2018)
<i>Buccinum hydrophanum</i>	Mollusca	Gastropoda	Buccinidae	Gastropod species with documented distribution in the Canadian Arctic, recorded occurrences near Baffin Island (Cusson 2018)
Columbellidae indet.	Mollusca	Gastropoda	Columbellidae	Gastropod family with documented global distribution including the Canadian Arctic, recorded occurrences of a representative species (<i>Astynis rosacea</i>) near Baffin Island (Cusson 2018)
<i>Carinoma</i> sp.	Nemertea	Palaeonemertea	Carinomidae	Genus containing described species with North Atlantic distributions
<i>Tubulanus</i> sp.	Nemertea	Palaeonemertea	Tubulanidae	Genus containing described species with North Atlantic and Arctic Ocean distributions, including Sweden and Iceland

* Source: WoRMS 2019, additional references noted in text

ANNEXE J

**Macroflora, Benthic Epifauna and
Fish Taxonomic List (2014 – 2018)**

ANNEXE J - Benthic Epifauna, Fish and Macroflora from Surveys in Milne Port (2010-2018)

Taxa	Sampling Year						
	2010	2013	2014	2015	2016	2017	2018
PELAGIC FAUNA							
<i>Clione limnacina</i>		x	x		x	x	x
Ctenophora indet.			x	x	x	x	x
<i>Limacina helicina</i>		x	x	x	x	x	x
BENTHIC EPIFAUNA							
Actiniaria indet.	x	x	x	x	x	x	x
<i>Anonyx</i> sp.						x	
<i>Arctica islandica</i>					x	x	
Asteroidea indet.		x	x	x	x	x	x
Bivalvia indet.	x		x	x	x	x	x
<i>Bourgueticrininia</i> sp.					x		x
Bryozoa indet.	x						
<i>Buccinum undatum</i>		x	x	x	x	x	x
Cerianthidae indet.	x						
<i>Chlamys islandica</i>						x	x
Cnidaria indet.		x		x	x	x	x
<i>Crossaster pappuosus</i>			x	x	x	x	x
<i>Ctenodiscus crispatus</i>			x		x	x	x
<i>Cyrtodaria siliqua</i>					x		
<i>Echinocardium cordatum</i>				x	x	x	x
Echinoidea indet.			x	x	x	x	x
<i>Ennucula tenuis</i>		x					
<i>Gorgonocephalus</i> sp.			x	x			x
<i>Hiatella arctica</i>		x				x	x
Holothuroidea indet.	x	x	x		x	x	x
<i>Macoma calcarea</i>		x					
<i>Musculus laevigatus</i>		x					
Mytilidae indet.	x	x		x	x	x	
<i>Mya truncata</i>		x					
Nemertea indet.							x
<i>Nymphon</i> sp.						x	x
<i>Ophiura sarsii</i>		x			x	x	x
Ophiuridea indet.	x	x	x	x	x	x	x
<i>Pandalus</i> sp.		x		x	x	x	x
<i>Pandalus montagui</i>		x					
<i>Pecten albicans</i>	x			x	x		x
Pectinariidae indet.							x
<i>Pista maculata</i>						x	x
Polychaeta indet.		x		x	x	x	x
Sabellidae indet.					x	x	x
<i>Siliqua</i> sp.					x		
<i>Strongylocentrotus droebachiensis</i>	x	x	x	x	x	x	x
Styelidae indet.						x	x
<i>Weyprechtia pinguis</i>		x	x	x			

ANNEXE J - Benthic Epifauna, Fish and Macroflora from Surveys in Milne Port (2010-2018)

Taxa	Sampling Year						
	2010	2013	2014	2015	2016	2017	2018
FISH							
<i>Ammodytes</i> spp.						x	x
<i>Arctogadus glacialis</i>							x
<i>Artediellus atlanticus</i>			x	x			
Cottidae indet.				x			x
<i>Cyclopterus lumpus</i>			x				
<i>Eumesogrammus praecisus</i>			x	x	x		
<i>Gadus ogac</i>	x		x				
<i>Gymnelis viridis</i>		x		x			
<i>Myoxocephalus octodecemspinosus</i>		x	x	x	x		
<i>Myoxocephalus scorpioides</i>			x	x		x	x
<i>Myoxocephalus scorpius</i>	x	x	x	x	x	x	x
<i>Myoxocephalus quadricornis</i>	x	x	x	x	x	x	x
<i>Myoxocephalus</i> spp.	x	x	x	x	x	x	x
<i>Salvelinus alpinus</i>	x	x	x	x	x	x	x
Stichaeidae indet.							x
Pisces indet.							x
MACROFLORA							
<i>Agarum cibrosom</i>			x	x	x	x	x
Brown algae			x	x	x	x	x
Chlorophyta indet.			x	x		x	x
<i>Chondrus crispus</i>			x	x	x	x	x
Corallinophycidae indet.							x
<i>Desmarestia</i> sp.			x	x	x	x	
<i>Fucus</i> sp.			x		x	x	x
<i>Laminaria</i> sp.			x	x	x	x	x
Not Classified							x
Red algae			x	x	x	x	x

Notes: Taxa identified to the lowest practical taxonomic level; presence/absence for previous years taken from SEM 2015, 2016, 2017; indet.=indeterminate (taxa which could not be identified beyond the taxonomic level listed); sp.=species.

ANNEXE K

Encrusting Epifauna



Abbreviations & Definitions

Worksheets:

1. Abbreviations & Definitions
2. Data - Matrix
3. Data - Long

Glossary of terms and outline of report.

Total abundance data in matrix format, including total taxa count per sample and total abundance per sample.

Raw abundance data in long format.

Life Stages:

A	Adult
Int	Intermediate - has adult features but not of typical reproductive size
J	Juvenile
L	Larvae
N	Nymph
P	Pupa
Col	Colony
Deut	Deutonymph
MEMO	Incidental taxa/fragments not included in data, or whose abundance is not generally captured accurately by 1.0-mm screen.

Number of unique taxa (=species richness), not including higher-order taxa for which there exists a lower-order identification (e.g. not including *Lumbrineris* sp. if there exists *Lumbrineris cruzensis* in the data)

Total Number of Taxa

Total Number of Organisms

Total Abundance, not including incidental taxa

Biologica Coding

Major Taxonomic Groups:

Miscellaneous

BRAC	Brachiopoda
BRYO	Bryozoa
CNAN	Cnidaria Anthozoa
CNHY	Cnidaria Hydrozoa
CNXX	Cnidaria
ENTO	Entoprocta
EURA	Echiura
HEMI	Hemichordata
KINO	Kinorhyncha
NTEA	Nemertea
PHOR	Phoronida
PIXX	Pisces
PLTY	Platyhelminthes
PORI	Porifera
PRIA	Priapulida
SIPN	Sipuncula
TARD	Tardigrada
URAS	Ascidiacea

Annelida

ANHI	Annelida Hirudinea
ANOL	Annelida Oligochaeta
POER	Polychaeta Errantia
POSE	Polychaeta Sedentaria
POLY	Polychaeta
POXX	Polychaeta indet.

Arthropoda

CHPY	Chelicerata Pycnogonida
CHAC	Chelicerata Arachnida
CRAM	Crustacea Amphipoda
CRCI	Crustacea Cirripedia
CRCO	Crustacea Copepoda
CRCU	Crustacea Cumacea
CRDE	Crustacea Decapoda
CRIS	Crustacea Isopoda
CRLE	Crustacea Leptostraca
CRMY	Crustacea Mysidacea
CROS	Crustacea Ostracoda
CRTA	Crustacea Tanaidacea
CRXX	Crustacea

Echinodermata

ECAS	Echinodermata Asteroidea
ECCR	Echinodermata Crinoidea
ECEC	Echinodermata Echinoidea
ECHO	Echinodermata Holothuroidea
ECOP	Echinodermata Ophiuroidea

Mollusca

MOAP	Mollusca Aplacophora
MOBI	Mollusca Bivalvia
MOCE	Mollusca Cephalopoda
MOGA	Mollusca Gastropoda
MOPO	Mollusca Polyplacophora
MOSC	Mollusca Scaphopoda



Total abundance data in matrix format, including total taxa count per sample and total abundance per sample for Golder Baffinlands Epifauna 2018.

Biologica Sample #								Grand Total		mb18-108-072	mb18-108-073
Client Sample #										SBWO-1	SPEO-1
Date Sampled										13-Aug-18	13-Aug-18
taxcode	grpcode	Phylum	Class	Order	Superfamily	Family	Taxon Name	Unique Taxa	Abundance	Total	Total
ANNE	POSE	Annelida	Polychaeta	Sabellida		Serpulidae	Circeis sp.	1	2		2
ARTH	CRCI	Arthropoda	Maxillopoda	Sessilia			Balanomorpha indet.	1	1674	1673	1
MISC	BRYO	Bryozoa	Gymnolaemata	Ctenostomatida		Alcyonidiidae	Alcyonidium disciforme	1	1		1
MISC	BRYO	Bryozoa	Gymnolaemata	Ctenostomatida		Alcyonidiidae	Alcyonidium gelatinosum	1	1	1	
MISC	BRYO	Bryozoa	Stenolaemata	Cyclostomatida		Cytididae	Infundibulipora prolifera	1	1	1	
MISC	BRYO	Bryozoa	Stenolaemata	Cyclostomatida		Lichenoporidae	Disporella hispida	1	7		7
MISC	BRYO	Bryozoa	Stenolaemata	Cyclostomatida		Lichenoporidae	Disporella sp.		16	16	
MOLL	MOBI	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae	Hiatella arctica	1	29	26	3
MOLL	MOBI	Mollusca	Bivalvia	Myida	Myoidea	Myidae	Mya sp.	1	2	2	
									1733	1719	14
								8		6	5
MEMO	MEMO	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae	Hiatella arctica (fragments)		5	5	



Raw abundance data in long format for Golder Baffinlands Epifauna 2018.

Client	Project	Year	Sample Type	Split	Biologica Sample ID	Client Sample ID	Date Sampled	Phylum	Class	Order	Superfamily	Family	taxcode	grpcode	Taxon Name	A	Int	J	Raw Count	Split Multiplier	Total Abundance	Unique Taxa Count	Comments
Golder	Baffinlands	2018	Epifauna	Whole	mb18-108-072	SBWO-1	13-Aug-18	Bryozoa	Gymnolaemata	Ctenostomatida		Alcyoniidae	MISC	BRYO	Alcyonidium gelatinosum	1			1	1	1	1	
Golder	Baffinlands	2018	Epifauna	Whole	mb18-108-072	SBWO-1	13-Aug-18	Arthropoda	Maxillopoda	Sessilia			ARTH	CRCI	Balanomorpha indet.			1673	1673	1	1673	1	
Golder	Baffinlands	2018	Epifauna	Whole	mb18-108-072	SBWO-1	13-Aug-18	Bryozoa	Stenolaemata	Cyclostomatida		Lichenoporidae	MISC	BRYO	Disporella sp.	16			16	1	16	1	
Golder	Baffinlands	2018	Epifauna	Whole	mb18-108-072	SBWO-1	13-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae	MOLL	MOBI	Hiatella arctica			26	26	1	26	1	Damaged
Golder	Baffinlands	2018	Epifauna	Whole	mb18-108-072	SBWO-1	13-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae	MEMO	MEMO	Hiatella arctica (fragments)	5			5	1	5		Fragments with no hinge
Golder	Baffinlands	2018	Epifauna	Whole	mb18-108-072	SBWO-1	13-Aug-18	Bryozoa	Stenolaemata	Cyclostomatida		Cytidae	MISC	BRYO	Infundibulipora prolifera	1			1	1	1	1	Infundibulipora lucernaria var. prolifera Kluge, 1946
Golder	Baffinlands	2018	Epifauna	Whole	mb18-108-072	SBWO-1	13-Aug-18	Mollusca	Bivalvia	Myida	Myoidea	Myidae	MOLL	MOBI	Mya sp.			2	2	1	2	1	
Golder	Baffinlands	2018	Epifauna	Whole	mb18-108-073	SPEO-1	13-Aug-18	Bryozoa	Gymnolaemata	Ctenostomatida		Alcyoniidae	MISC	BRYO	Alcyonidium disciforme	1			1	1	1	1	
Golder	Baffinlands	2018	Epifauna	Whole	mb18-108-073	SPEO-1	13-Aug-18	Arthropoda	Maxillopoda	Sessilia			ARTH	CRCI	Balanomorpha indet.			1	1	1	1	1	Damaged
Golder	Baffinlands	2018	Epifauna	Whole	mb18-108-073	SPEO-1	13-Aug-18	Annelida	Polychaeta	Sabellida		Serpulidae	ANNE	POSE	Circeis sp.	1	1		2	1	2	1	
Golder	Baffinlands	2018	Epifauna	Whole	mb18-108-073	SPEO-1	13-Aug-18	Bryozoa	Stenolaemata	Cyclostomatida		Lichenoporidae	MISC	BRYO	Disporella hispida	7			7	1	7	1	
Golder	Baffinlands	2018	Epifauna	Whole	mb18-108-073	SPEO-1	13-Aug-18	Mollusca	Bivalvia	Adapedonta	Hiatelloidea	Hiatellidae	MOLL	MOBI	Hiatella arctica			3	3	1	3	1	

ANNEXE L

Physical Oceanography Report



REPORT

Baffinland Iron Mines Corporation
Mary River Project
2018 Physical Oceanography Program

Submitted to:

Baffinland Iron Mines Corporation
2275 Upper Middle Road East - Suite 300
Oakville, ON L6H 0C3

Attention: Megan Lord-Hoyle and Wayne McPhee

Submitted by:

Golder Associates Ltd.
Suite 200 - 2920 Virtual Way, Vancouver, British Columbia, V5M 0C4, Canada

+1 604 296 4200

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24 May 2019

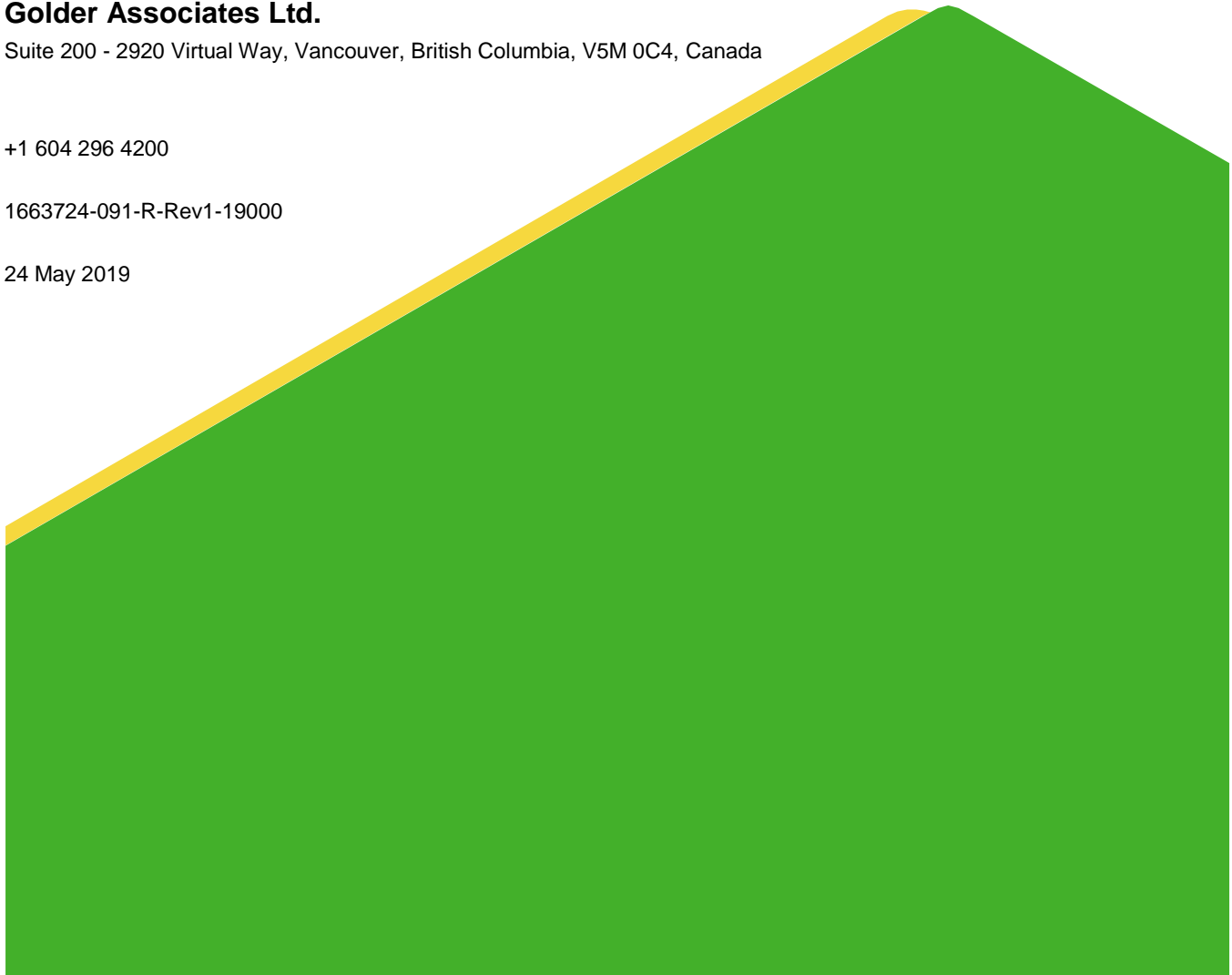


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1.0 INTRODUCTION

In 2018, Baffinland Iron Mines Corporation (Baffinland) undertook physical oceanographic monitoring at three sites in Milne Inlet, two at Milne Port and one at Bruce Head. The physical oceanographic monitoring program is intended to satisfy requirements of the 2018 marine-based Ecological Effects Monitoring (EEM) programs and address select Terms and Conditions of Project Certificate (PC) No. 005. This includes collection of physical oceanographic data to support the 2018 Marine Ecological Effects Monitoring Program (MEEMP), the 2018 Bruce Head Monitoring Program, the 2018 Narwhal Tagging Program, and validation of the ballast water dispersion modelling at the head of Milne Inlet. Additionally, results from the physical oceanographic monitoring program provide information to the Nunavut Impact Review Board (NIRB) in support of its yearly review of the Mary River Project. This report presents the results of the physical oceanographic monitoring program during the 2018 open-water season.

1.1 Background

The Mary River Project (hereafter, “the Project”), as currently approved, consists of the exploration, construction, operation, closure and reclamation of an open-pit mine and associated infrastructure for extraction, transportation and shipment of iron ore. There are three main project locations – the Mine Site, Milne Port (connected to the Mine Site via the 100-km long Milne Tote Road), and Steensby Port (currently undeveloped).

The Project was approved by NIRB and PC No. 005 was issued on December 28, 2012. An amendment to PC No. 005 was approved by NIRB on May 28, 2014, to accommodate the Early Revenue Phase (ERP) of the Project, which became operational in August 2015. The ERP involves shipping of up to 4.2 million tonnes of ore per year from Milne Port to European markets during the open water season (typically July to October) using chartered ore carrier vessels. During the first year of ERP operations in 2015, Baffinland shipped approximately 900,000 tonnes via 13 ore carrier voyages. The amount of ore shipped has since increased to approximately 5.1 million tonnes in 2018 via 71 return ore carrier voyages.

As part of regulatory commitments, Baffinland has developed and implemented the multi-parameter EEM program for the marine environment, collectively referred to as the MEEMP. The MEEMP was designed to evaluate potential Project-related impacts on the marine environment as predicted in the Final Environmental Impact Statement (FEIS; Baffinland 2013) and FEIS Addendum (Baffinland 2013). Additionally, the annual MEEMP monitoring report provides information to the NIRB in their annual assessment on the compliance status of PC No. 005.

1.2 Objectives

The 2018 physical oceanographic monitoring program was designed to address the following objectives:

- Satisfy requirements of the 2018 marine-based EEM programs including collection of physical environmental data to support the 2018 MEEMP, the 2018 Bruce Head Monitoring Program, and the 2018 Narwhal Tagging Program.
- Improve spatial and temporal resolution of measurements of water column properties, such as salinity and temperature, in Milne Inlet near Bruce Head and Milne Port.

- Monitor relative sea level and any storm surges at Milne Port.
- Provide additional current, temperature and salinity data to update, through further validation, the ballast water dispersion model developed for the Project in 2018 (Golder 2018).

The objectives of the physical oceanographic monitoring program aim to specifically address the Project-specific monitoring requirements outlined in the following Terms and Conditions of PC No. 005:

- Condition No. 1 and 83 - *“The Proponent shall install tidal gauges at the Steensby Inlet Port and Milne Inlet Port sites to monitor relative sea level and storm surges.”*
- Condition No. 86 - *“Prior to commercial shipping of iron ore, the Proponent shall use more detailed bathymetry collected from Steensby Inlet and Milne Inlet to model the anticipated ballast water discharges from ore carriers. The results from this modelling shall be used to update ballast water discharge impact predictions and should account for density dependent flow and annual timescales over the project life. Additional sampling should also be undertaken to validate the model and to inform sampling sites and the monitoring plan.”*
- Condition No. 88 – *“Prior to commercial shipping of iron ore and in conjunction with the Marine Environment Working Group, the Proponent shall provide an updated risk analysis regarding ballast water discharge to assess the adequacy of treatment and implications on the receiving environment. This risk analysis shall consider, but not be limited to:*
 - a. *Invasive species;*
 - b. *Seasonal oceanography;*
 - c. *Ballast water quality and quantity;*
 - d. *Receiving water quality;*
 - e. *Residual physical, chemical, and/or biological effects; and*
 - f. *Any risk assessment analysis regarding ballast water exchange and treatment efficacy in arctic waters.”*
- Condition No. 89 - *“The Proponent shall develop and implement an effective ballast water management program that may include the treatment and monitoring of ballast water discharges in a manner consistent with applicable regulations and/or exceed those regulations if they are determined to be ineffective for providing the desired and predicted results. The ballast water management program shall include, without limitation, a provision that requires ship owners to test their ballast water to confirm that it meets the salinity requirements of the applicable regulations prior to discharge at the Milne Port, and a requirement noting that the Proponent, in choosing shipping contractors will, whenever feasible, give preference to contractors that use ballast water treatment in addition to ballast water exchange.”*

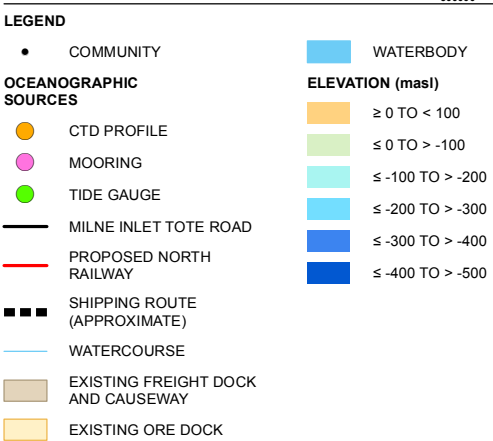
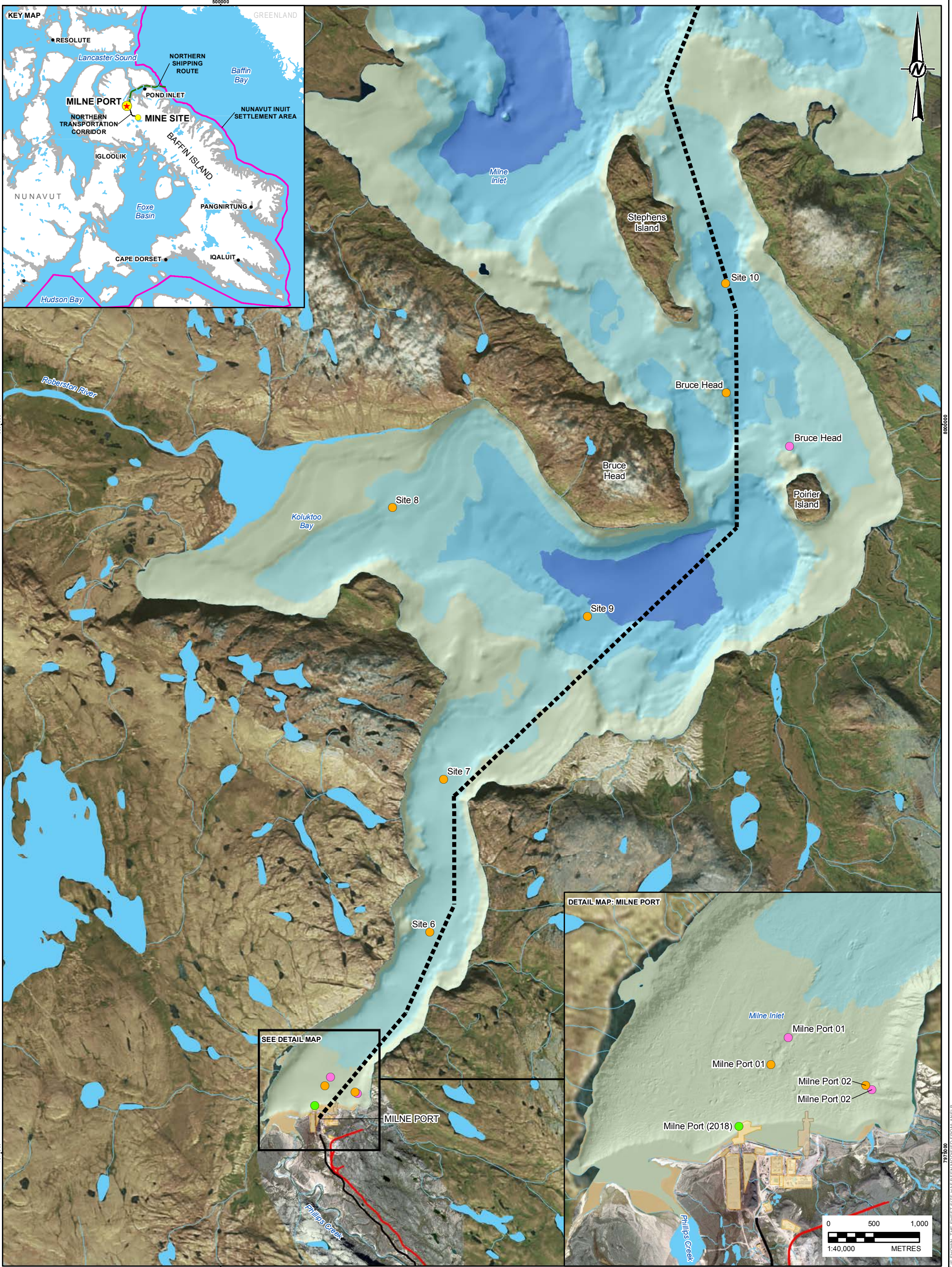
1.3 Study Area

Milne Inlet is located along the Northwest coast of Baffin Island in the Qikiqtani Region of Nunavut. The inlet is connected to Baffin Bay at its northern terminus through Eclipse Sound and Navy Board Inlet which are separated by Bylot Island (Figure 1). The northern section of Milne Inlet, extending from Ragged Island to Bruce Head, is approximately 50 km long, up to 800 m deep, and tapers from approximately 15 km across at Ragged Island to less than 8 km across at Bruce Head. The southern section of Milne Inlet, extending from Bruce Head to the head of Milne Inlet, is approximately 25 km long, up to 400 m deep, and tapers from approximately 8 to 14 km across near Koluktoo Bay to less than 3 km across at the southern terminus.

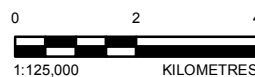
The southern and northern sections of Milne Inlet have a predominant north-south orientation, except between Bruce Head and Stephens Island where there is a northwest-southeast orientation. At Bruce Head the bathymetry is characterized by a sill (an area of decreased depth) between Bruce Head and Poirier Island. Just north of Bruce Head is Stephens Island, both Stephens Island and Poirier Island act to bifurcate the channel and subsequently create some of the narrowest sections of Milne Inlet, some sections reaching less than 3 km. Sills are also present at the north end of Stephens Island and at Ragged Island. Along all sections of the Milne Inlet the topography is characterized by mountainous terrain and steep cliffs vegetated with tundra.

At the head of Milne Inlet is Milne Port which supports Baffinland's iron ore exports via the Northern Shipping Route (from Milne Inlet to Baffin Bay) during the open-water season. The bathymetry of Milne Port is between 10 m and 100 m and characterized by a steep nearshore shelf that drops off into a gradual sloping bed extending northward away from the port. Near Milne Port, there are two sources of freshwater discharge, Phillips Creek to the west and Robertson River to the east of the port.

In 2018, the physical oceanography monitoring program focused on data collection overtop of the sill at Bruce Head and at the head of Milne Inlet near Milne Port. These locations were selected primarily to increase the quantity and quality of current measurements in the southern section of the inlet in the region of port development and ballast water discharge to improve understanding of circulation in this area and to further validate the oceanographic numerical model in this key region of Project activity.



DRAFT



NOTE(S)
masl = METRES ABOVE SEA LEVEL

REFERENCE(S)

MILNE PORT INFRASTRUCTURE DATA OBTAINED FROM CLIENT, MAY 28, 2018, AND BY HATCH, JANUARY 25, 2017, RETRIEVED FROM KNIGHT PIESOLD LTD. FULCRUM DATA MANAGEMENT SITE MAY 19, 2017. BATHYMETRY CREATED BY GOLDER FROM MULTIPLE DATA SOURCES. GEOGRAPHIC NAMES, HYDROGRAPHY, POPULATED PLACE, AND PROVINCIAL BOUNDARY DATA OBTAINED FROM GEOGRATIS. © DEPARTMENT OF NATURAL RESOURCES CANADA. ALL RIGHTS RESERVED. AUGUST 2016 SATELLITE IMAGERY RETRIEVED FROM KNIGHT PIESOLD LTD. FULCRUM DATA MANAGEMENT SITE MAY 19, 2017. ADDITIONAL IMAGERY COPYRIGHT © NULL ESRI AND ITS LICENSORS. SOURCE: EARTHSTAR GEOGRAPHICS. USED UNDER LICENSE. ALL RIGHTS RESERVED. PROJECTION: UTM ZONE 17 DATUM: NAD 83

CLIENT
BAFFINLAND IRON MINES CORPORATION

PROJECT
2018 PHYSICAL OCEANOGRAPHY MONITORING PROGRAM

TITLE
SUMMARY OF PROJECT AND DATA COLLECTION LOCATIONS AND SURVEYED BATHYMETRY

CONSULTANT	DATE
YYYY-MM-DD	2019-01-09
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REVIEWED	
APPROVED	



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2.0 METHODS

The physical oceanographic monitoring program consists of three subsurface tautline moorings deployed in Milne Inlet, one at Bruce Head and two near Milne Port, through water column conductivity, temperature and depth (CTD) profiles, and a tide gauge deployed at Milne Port. All measurements are taken during the open-water season. The moorings are designed to provide a time series of instrument depth, current speed and direction through the water column, and conductivity, salinity and temperature at select depths. Continuous in-situ measurements from the moorings are supplemented by CTD profiles taken adjacent to the moorings at select times during the deployment. The Milne Port tide gauge is designed to provide a time series of water surface elevations and conductivity, salinity and temperature at a select depth.

This section presents the design, any applicable calibration and maintenance, the deployment and recovery, and data processing of the oceanographic moorings, CTD profiles, and the Milne Port tide gauge.

2.1 Unit Conventions

All dates and times are reported in Coordinated Universal Time (UTC), four hours ahead of the local time zone, Eastern Daylight Time (EDT). All horizontal positions are reported in Universal Transverse Mercator (UTM) coordinates referenced to the North American Datum of 1983 (NAD83) or in decimal degrees. Instrument elevations on moorings are reported as meters Mean Sea Level (MSL). Where MSL is a relative measure of the average water surface elevation during deployment. Elevations of the tide gauge are referenced to the Canadian Geodetic Vertical Datum (CGVD).

2.2 Oceanographic Moorings

2.2.1 Design

The moorings deployed at Bruce Head and southern Milne Inlet are a subsurface tautline design with in-line buoyancy and steel anchor weights. Steps in mooring design included selection of instruments and mooring hardware including shackles, and line, and calculation of buoyancy and anchor requirements based on immersed weight of mooring components. Additional considerations included the gross and net vertical forces induced by buoyancy and anchors during deployment as well as horizontal forces induced by expected near bed and through water column currents (assumed maximum 50 cm/s). All moorings were designed with a tandem acoustic release system connected to the steel anchors with 1m of galvanized chain and the top of each mooring was equipped with an Iridium GPS transceiver to aid in mooring recovery.

At Bruce Head the mooring design included five Viny floats on a pentagonal steel frame with an upward-looking 300 kHz Acoustic Doppler Current Profiler (ADCP), downward-looking 600 kHz ADCP, and temperature and salinity sensor. The mooring was approximately 45m in length. At Milne Port mooring 01 the design included four Viny floats on a rectangular steel frame with an upward-looking 300 kHz ADCP and temperature and salinity sensor. The mooring was approximately 3m in length. At Milne Port mooring 02 the design included one ellipsoid mooring float with one temperature and salinity sensor and one temperature, salinity and depth sensor attached 2m and 12m below the float, respectively. The mooring was approximately 45m in length.

The mooring layout and specifications are shown in Figure 2 through Figure 4. The instrumentation on the three moorings and sampling specifications are summarized in Table 1 through Table 3.

Table 1: Bruce Head Mooring Instrumentation and Sampling Strategy

Instrumentation	Sampling Strategy	Instrument Uncertainty
<p>Sensor: Teledyne RDI (TRDI) 300 kHz WorkHorse Sentinel ADCP (SN 21735), measuring water column currents (u, v, w) and relative water surface elevations</p> <p>Sensor direction: Upward-looking</p> <p>Target depth: -107 m Mean Sea Level (MSL)</p>	<p>Ensemble interval: 600 s</p> <p>Pings per ensemble: 50 pings</p> <p>Ping interval: 12 s</p> <p>Bin size: 4 m</p> <p>Blanking Distance: 1.76 m</p> <p>Bandwidth: Narrow</p>	<p>Horizontal standard deviation: 1.05 cm/s</p> <p>Compass direction accuracy: $\pm 2^\circ$</p>
<p>Sensor: TRDI 600 kHz WorkHorse Sentinel ADCP (SN 21100), measuring water column currents (u, v, w) and relative water surface elevations</p> <p>Sensor direction: Downward-looking</p> <p>Target depth: -107.5 m MSL</p>	<p>Ensemble interval: 600 s</p> <p>Pings per ensemble: 50 pings</p> <p>Ping interval: 12 s</p> <p>Bin size: 3 m</p> <p>Blanking Distance: 0.88 m</p> <p>Bandwidth: Narrow</p>	<p>Horizontal standard deviation: 0.70 cm/s</p> <p>Compass direction accuracy: $\pm 2^\circ$</p>
<p>Sensor: RBRduo conductivity (salinity) and temperature (CT) data logger (SN 61586)</p> <p>Target depth: -107.5 m MSL</p>	<p>Measurement Interval: 30 s</p> <p>Sampling Rate: 1 Hz</p> <p>Sampling Regime: Continuous</p>	<p>Temperature accuracy: $\pm 0.002^\circ\text{C}$</p> <p>Conductivity accuracy: ± 0.003 mS/cm</p>

Table 2: Milne Port 01 Mooring Instrumentation and Sampling Strategy

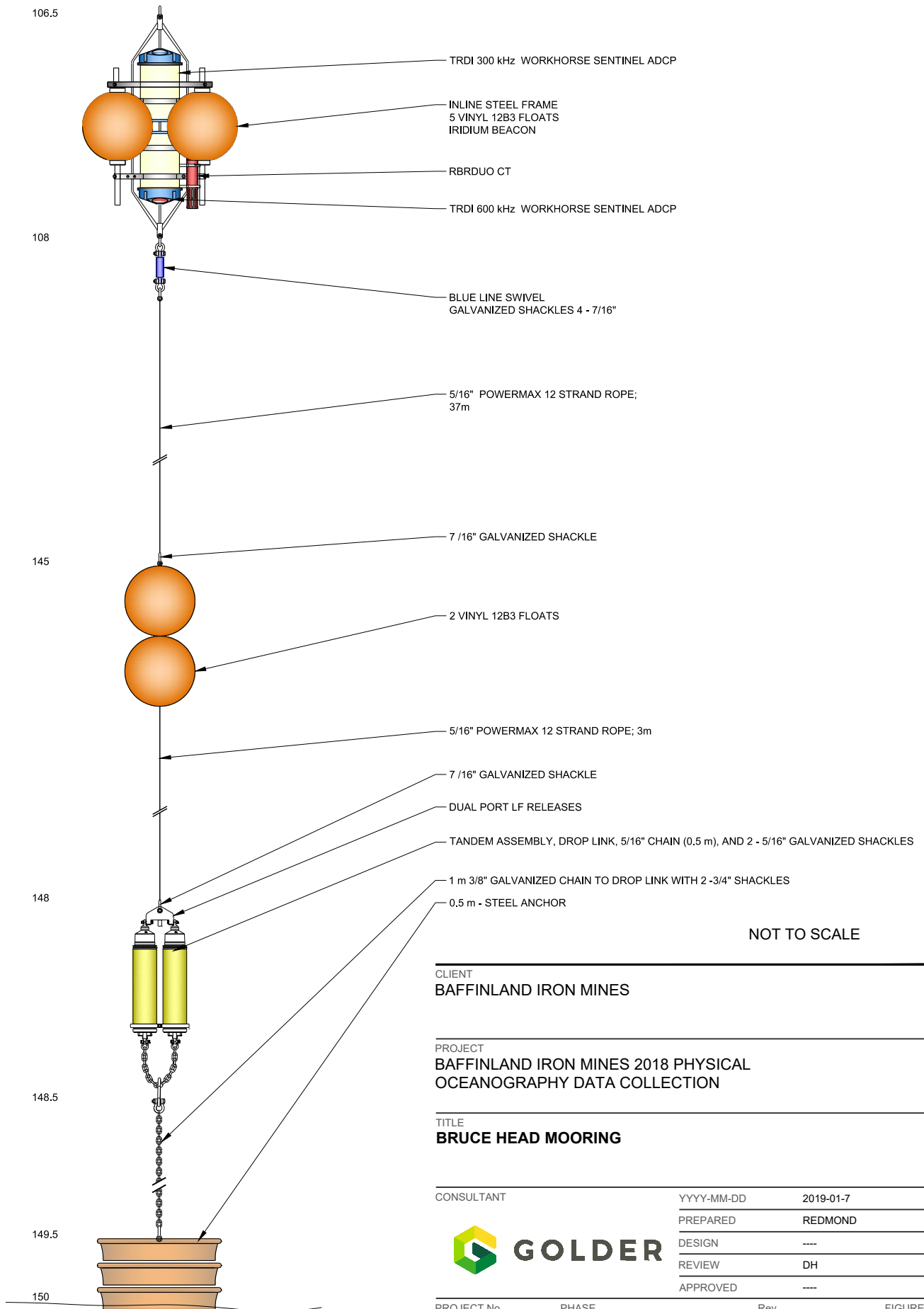
Instrumentation	Sampling Strategy	Instrument Uncertainty
<p>Sensor: TRDI 300 kHz WorkHorse Sentinel ADCP (SN 10985), measuring water column currents (u, v, w) and relative water surface elevations</p> <p>Sensor direction: Upward-looking</p> <p>Target depth: -77 m Mean Sea Level (MSL)</p>	<p>Ensemble interval: 600 s</p> <p>Pings per ensemble: 50 pings</p> <p>Ping interval: 12 s</p> <p>Bin size: 3 m</p> <p>Blanking Distance: 1.76 m</p> <p>Bandwidth: Narrow</p>	<p>Horizontal standard deviation: 1.39 cm/s</p> <p>Compass direction accuracy: $\pm 2^\circ$</p>
<p>Sensor: Sea-Bird Electronics (SBE) 37-SM MicroCAT CT data logger (SN 12345)</p> <p>Target depth: -77.5 m MSL</p>	<p>Measurement Interval: 60 s</p> <p>Sampling Rate: 1 Hz</p>	<p>Temperature accuracy: $\pm 0.002^\circ\text{C}$</p> <p>Conductivity accuracy: ± 0.003 mS/cm</p>

Table 3: Milne Port 02 Mooring Instrumentation and Sampling Strategy

Instrumentation	Sampling Strategy	Instrument Uncertainty
<p>Sensor: SBE 37-SM MicroCAT CT data logger (SN 12344)</p> <p>Target depth: -5.5 m MSL</p>	<p>Measurement Interval: 60 s</p> <p>Sampling Rate: 1 Hz</p>	<p>Temperature accuracy: $\pm 0.002^{\circ}\text{C}$</p> <p>Conductivity accuracy: ± 0.003 mS/cm</p>
<p>Sensor: SBE 37-SM MicroCAT conductivity (salinity), temperature and depth (CTD) data logger (SN 11252)</p> <p>Target depth: -15 m MSL</p>	<p>Measurement Interval: 60 s</p> <p>Sampling Rate: 1 Hz</p>	<p>Temperature accuracy: $\pm 0.002^{\circ}\text{C}$</p> <p>Conductivity accuracy: ± 0.003 mS/cm</p> <p>Pressure accuracy: $\pm 0.1\%$ of full scale range</p>

DEPTH (m)

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CLIENT
BAFFINLAND IRON MINES

PROJECT
BAFFINLAND IRON MINES 2018 PHYSICAL
OCEANOGRAPHY DATA COLLECTION

TITLE
BRUCE HEAD MOORING

CONSULTANT



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PREPARED	REDMOND
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REVIEW	DH
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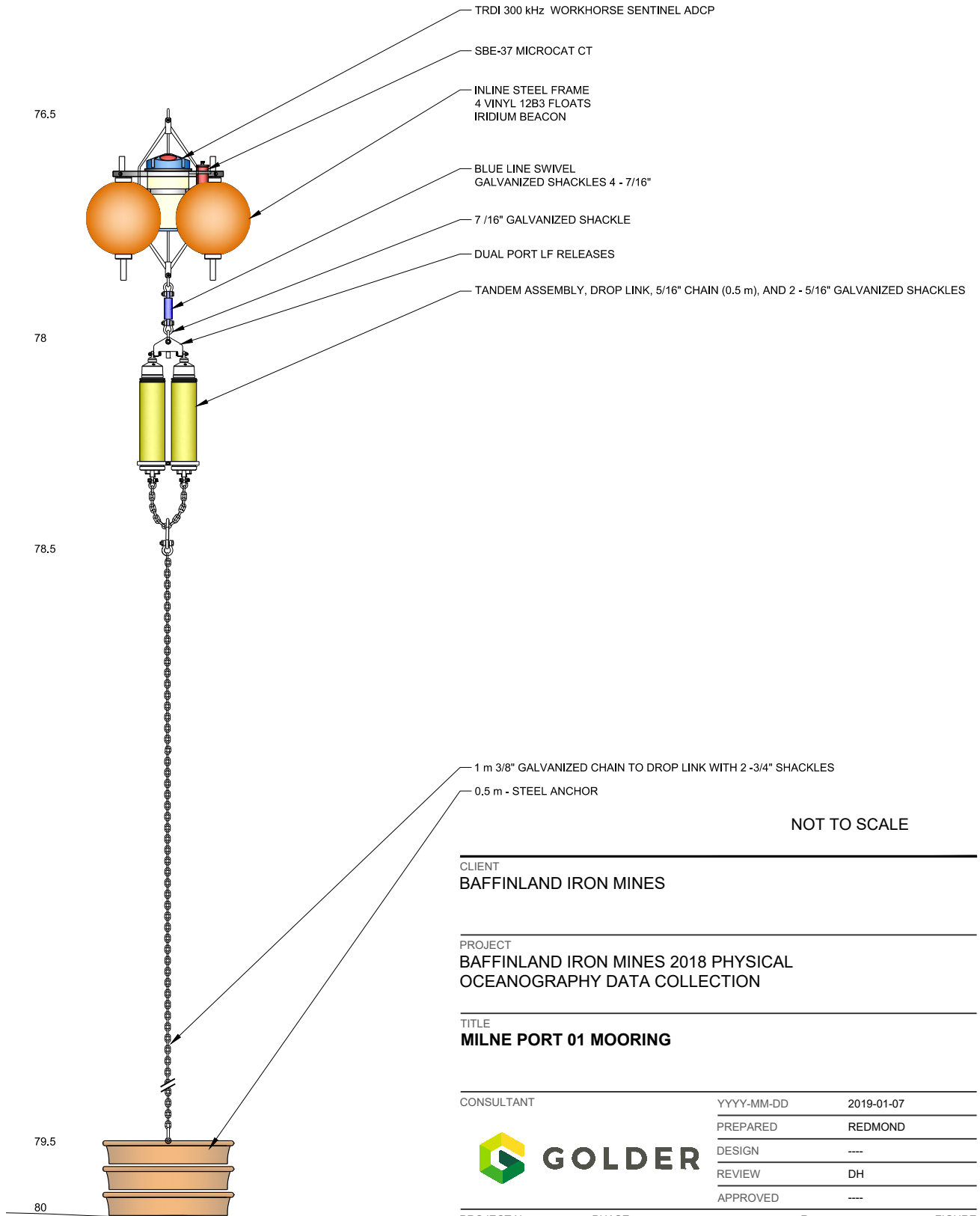
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PROJECT
BAFFINLAND IRON MINES 2018 PHYSICAL OCEANOGRAPHY DATA COLLECTION

TITLE
MILNE PORT 01 MOORING

CONSULTANT



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REVIEW DH

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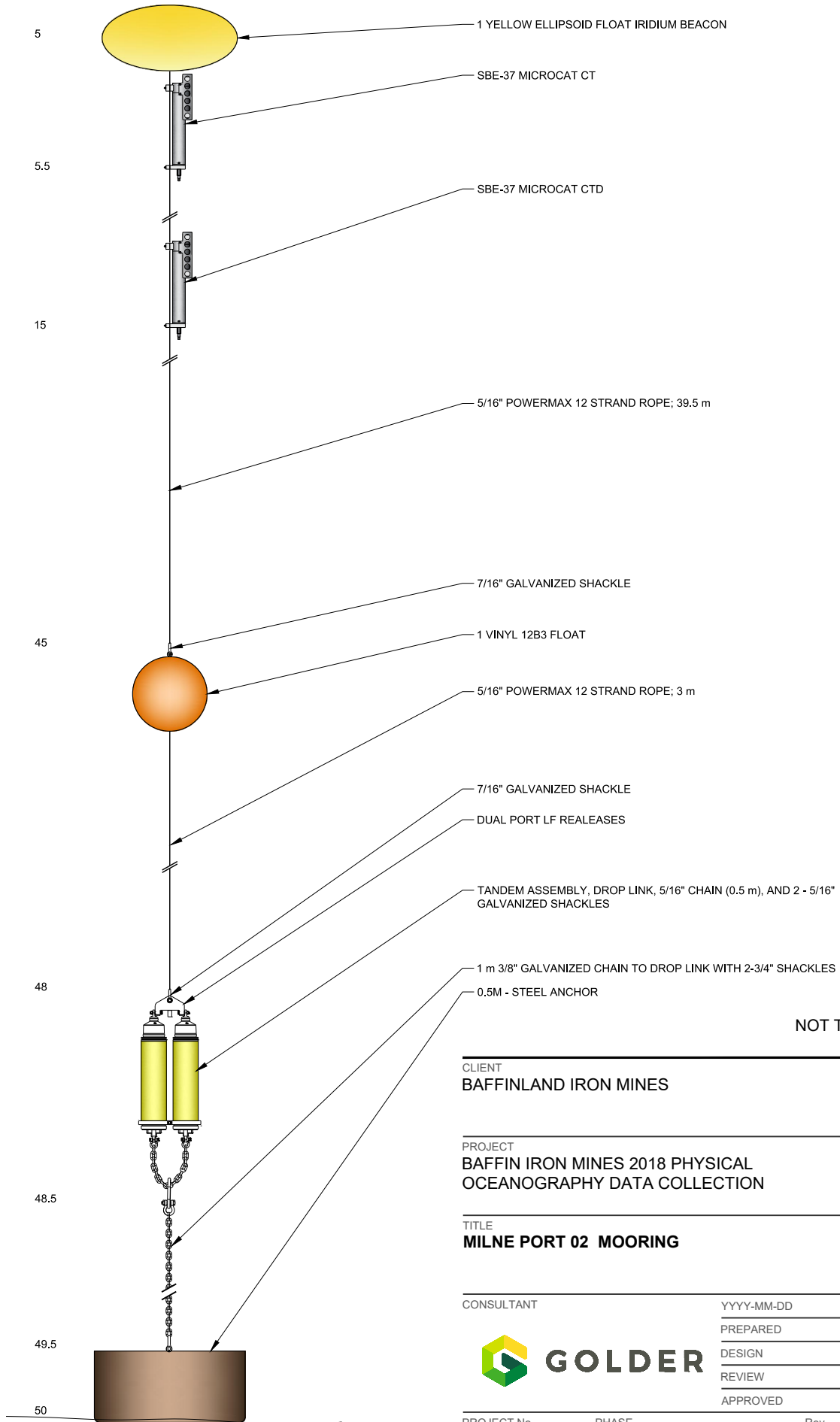
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PROJECT
BAFFIN IRON MINES 2018 PHYSICAL
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TITLE
MILNE PORT 02 MOORING

CONSULTANT	YYYY-MM-DD	2019-01-07
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	APPROVED	----

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FIGURE
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2.2.2 Instrument Calibration

The conductivity, temperature and depth (where applicable) sensors were calibrated for the RBRduo and SBE 37-SM MicroCAT instruments at the factory prior to deployment. The calibration certificates for these instruments are included in APPENDIX A.

Calibration and verification of the ADCP compasses near the approximate latitude where they will be deployed is advisable prior to deployment to account for the hard and soft iron effects. Care must be taken to eliminate sources of ferrous material from the mooring cages and in the immediate vicinity of the calibration activities, as well as any other sources of magnetic interference not stemming from the earth's magnetic field. During the 2018 physical oceanographic monitoring program the combination of reduced horizontal component in earth's magnetic field coupled with the presence of iron ore at Milne Port introduced significant errors to the calibration parameters computed for the ADCP compass in the Milne Port area. As a result, it was determined that the factory compass calibration settings, computed at a more southern latitude, would be used in place of locally determined calibration parameters.

2.2.3 Deployment and Recovery

Table 4 summarizes the post-deployment triangulated mooring positions, the mooring deployment and recovery times, and the deployed water depth for the clump weight anchors as measured by the vessel based depth sounder. The triangulated mooring position was 1 m and 3.2 m (horizontally) off the targeted mooring position for Milne Port 01 mooring and Milne Port 02 mooring, respectively. A triangulated position for the Bruce Head mooring could not be obtained as ice flows near the vessel made maneuvering difficult. Instead the position of the vessel at the time of deployment is reported for the Bruce Head mooring.

Table 4: Deployment and Recovery Details for Deployed Moorings

Mooring	Latitude (WGS 84)	Longitude (WGS 84)	Easting (m)	Northing (m)	UTM Zone	Date/Time Deployed (UTC)	Date/Time Recovered (UTC)	Measured Water Depth (m, MSL)
Bruce Head ¹	72.092°	-80.429°	519588	7999246	17X	August 04, 2018 13:46:00	September 28, 2018 16:09:30	-156
Milne Port 01	71.895	-80.898	503530	7977255	17W	August 04, 2018 19:06:01	September 28, 2018 20:24:01	-75
Milne Port 02 ²	71.893	-80.864	504688	7977031	17W	August 06, 2018 15:36:01	September 28, 2018 20:10:00	-57

Notes:

¹Mooring position is reported as vessel position at time of deployment; ²Deployment of Milne Port 02 was unsuccessful on August 04, 2018 and was successfully deployed on August 06, 2018'

Mooring deployment was conducted onboard the Ocean Raynald T tug and recovery onboard the Ocean K. Rusby tug based out of Quebec City, QC, operated by Ocean Group. The moorings were loaded onto the Ocean Raynald T on August 03 2018 through multiple trips with a small center console vessel. The small vessel was loaded via a crane from the Milne Port ore dock.

On August 04 2018, the weather conditions in Milne Inlet were 4-6 °C and overcast with light winds in the morning shifting to moderate southwesterly wind and rain in the afternoon. The sea state was calm in the morning with 0.3 m to 0.5 m high waves developing in the afternoon. The long moorings (Bruce Head and Milne Port 02) were deployed off the starboard side using the vessel's crane to first lift and lower the mooring floats onto the water. Then a length of rope (i.e., pass through line) was passed through the anchor shackle and tied off to a vessel cleat. The anchor was lifted and lowered into the water until the acoustic releases and inline floats were submerged and the pass through line was taught. The anchor and mooring floats were disconnected from the vessel crane using a Seacatch Quick Release. The anchor was released from the vessel by cutting the pass through line once the vessel was over the target deployment position which pulled the mooring down into position on the seabed.

The Milne Port 02 mooring was deployed off the starboard side using the vessel crane to lift and lower the entire mooring into the water until the mooring components were inline. The mooring float was disconnected from the vessel crane using a Seacatch Quick Release once the vessel was over the target deployment position which pulled the mooring down into position on the seabed. During deployment of the Milne Port 02 mooring the release link on one of the acoustic releases failed causing the mooring to resurface at the stern of the vessel shortly after deployment. It was discovered that the failed link caused fatal damage to the acoustic release and so the mooring was reconfigured with a single acoustic release. The mooring was successfully redeployed on August 06, 2018 after fabrication of new steel anchors on August 05, 2018. Weather conditions near Milne Port on August 06, 2018 were 5-7 °C and overcast with light winds.

On September 28 2018, the weather conditions in Milne Inlet were -5 °C and partly cloudy with light winds. The sea state was calm, waves less than 0.1 m in height. The moorings were released to the surface by sending the acoustic release code while the vessel was positioned approximately 200 m away from the mooring position. After the floats had surfaced, a small tender approached the mooring and assisted in connecting the mooring to the vessel crane. The mooring was then lifted onto the starboard side of the vessel. The recovered moorings were observed to be in good condition with a thin layer of sediment accumulated on the instruments.

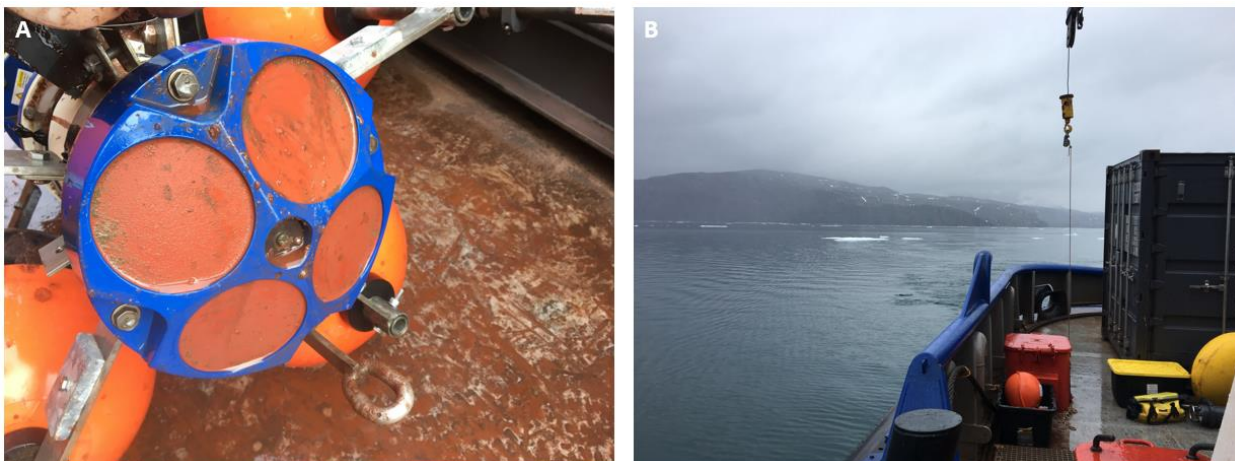


Figure 5: A) Recovered 300 kHz ADCP off the Bruce Head mooring with thin layer of sedimentation and B) Ocean Raynald T tug onsite at Bruce Head for mooring deployment on August 04, 2018.

2.2.4 Data Processing

A preliminary check of the data recorded by instruments on the moorings was performed following the recovery. Quality checks included the following:

- Reviewing time series measured by the instruments, including various diagnostic parameters;
- Checking the instrument clock for drift during the deployment;
- Checking internal recorder and file status; and
- Plotting and viewing the time series data.

Checking the instruments for clock drift involved comparing the clock time upon recovery to a Global Positioning System (GPS) receiver clock to determine any drift ahead (fast) or behind (slow) GPS time. Due to the relatively small overall deviations the data were not corrected for clock drift for the purposes of this report. The data record start and end times and clock drift for the instruments on the moorings are provided in Table 5. Quality Controlled (QC) data are provided in APPENDIX C.

Table 5: Summary of Recorded Data Start and End Times for Instruments on the Moorings

Instrument	Mooring	Start of Data Logging (UTC)	End of Data Logging (UTC)	Clock Drift (hh:mm:ss)
TRDI 300 kHz WorkHorse Sentinel ADCP (SN 21735)	Bruce Head	August 03, 2018 12:00:00	September 30, 2018 14:00:00	00:00:03 fast
TRDI 600 kHz WorkHorse Sentinel ADCP (SN 21100)	Bruce Head	August 03, 2018 12:00:00	September 30, 2018 13:30:00	00:00:21 slow
RBRduo CT (SN 61586)	Bruce Head	August 03, 2018 12:00:00	September 30, 2018 13:18:30	00:00:02 fast
TRDI 300 kHz WorkHorse Sentinel ADCP (SN 10985)	Milne Port 01	August 03, 2018 12:00:00	September 30, 2018 14:20:00	00:01:47 slow
SBE 37-SM MicroCAT CT (SN 12345)	Milne Port 01	August 03, 2018 12:00:00	September 30, 2018 20:57:00	00:00:03 slow
SBE 37-SM MicroCAT CT (SN 12344)	Milne Port 02	August 03, 2018 12:00:00	September 30, 2018 18:48:01	00:00:00
SBE 37-SM MicroCAT CT (SN 11252)	Milne Port 02	August 03, 2018 12:00:00	September 30, 2018 20:26:00	00:00:01 fast

2.2.4.1 ADCP

The data from each ADCP were exported from raw binary format to ASCII format using the TRDI software WinSC®. Measured water depths and water temperature were output directly from the ADCP through WinSC®. Plots of current speed and direction and ancillary parameters, along with tabulated bulk statistics (minimum, median, mean, maximum, and standard deviation) for select bin depths of each instrument were generated.

Post-processing and quality-checking was completed using the MATLAB® (Mathworks 2015) scientific computing software and included the following:

- Plotting and inspection of heading, tilt (vector sum of pitch and roll angles), battery voltage, and instrument depth and water temperature (Figure 6 through Figure 8). Tilt was inspected to identify periods of increased mooring layover that could affect the integrity of current measurements. Data associated with tilts greater than 10° was replaced with a -999 value.
- Horizontal components (east and north) of velocities were corrected from magnetic north to true north direction using the magnetic declination for the location at the time of deployment. A magnetic declination of 32.93° E was applied to the moorings and based on the Natural Resources Canada numerical model for the International Geomagnetic Reference Field (Natural Resources Canada 2017).
- Signal amplitude was plotted to check the quality of the instrument signal return and filtered for amplitudes below the noise floor of the respective instrument (TRDI 2010). Filtered data were replaced with a -999 value.
- Data were filtered for sidelobe interference using a beam slant angle of 20° (TRDI 2010). Filtered data were replaced with a -999 value. The filtered range corresponds to the top 10% of the measured water column, surface or bottom depending on whether the instrument was up-looking or down-looking.
- Measurements made by the instrument while it was out of water, as determined from the pressure gauge, were replaced with a -999 value.
- Data were filtered for vertical velocities greater than 0.3 m/s and error velocities, computed onboard the ADCP, greater than 0.15 m/s.
- Flagged and missing data values, identified onboard the ADCP, were replaced with a -999 value. Additional manual editing to remove or flag spurious data was performed as necessary.
- Data from the up-looking 300 kHz and down-looking 600 kHz ADCP on the Bruce Head mooring were combined to a single timeseries. A discrepancy in current direction between adjacent bins of the 300 kHz and the 600 kHz ADCP was identified. To address this, a time varying offset was applied to the current direction in the 600 kHz ADCP, assuming the 300 kHz ADCP current direction was correct.
- The percentage of good data for each ADCP instrument was calculated and presented in Table 6.

Table 6: Recorded Data Statistics for ADCP's on the Moorings

Mooring/Instrument	Total Records Recorded (#)	Total Records Expected (#)	Flagged and Missing Data (#)	Percent Valid Data (%)
Bruce Head – 300 kHz ADCP	7914	7920	6	99.99
Bruce Head – 600 kHz ADCP	7914	7920	6	99.99
Milne Port 01 – 300 kHz ADCP	7929	7929	0	100.00

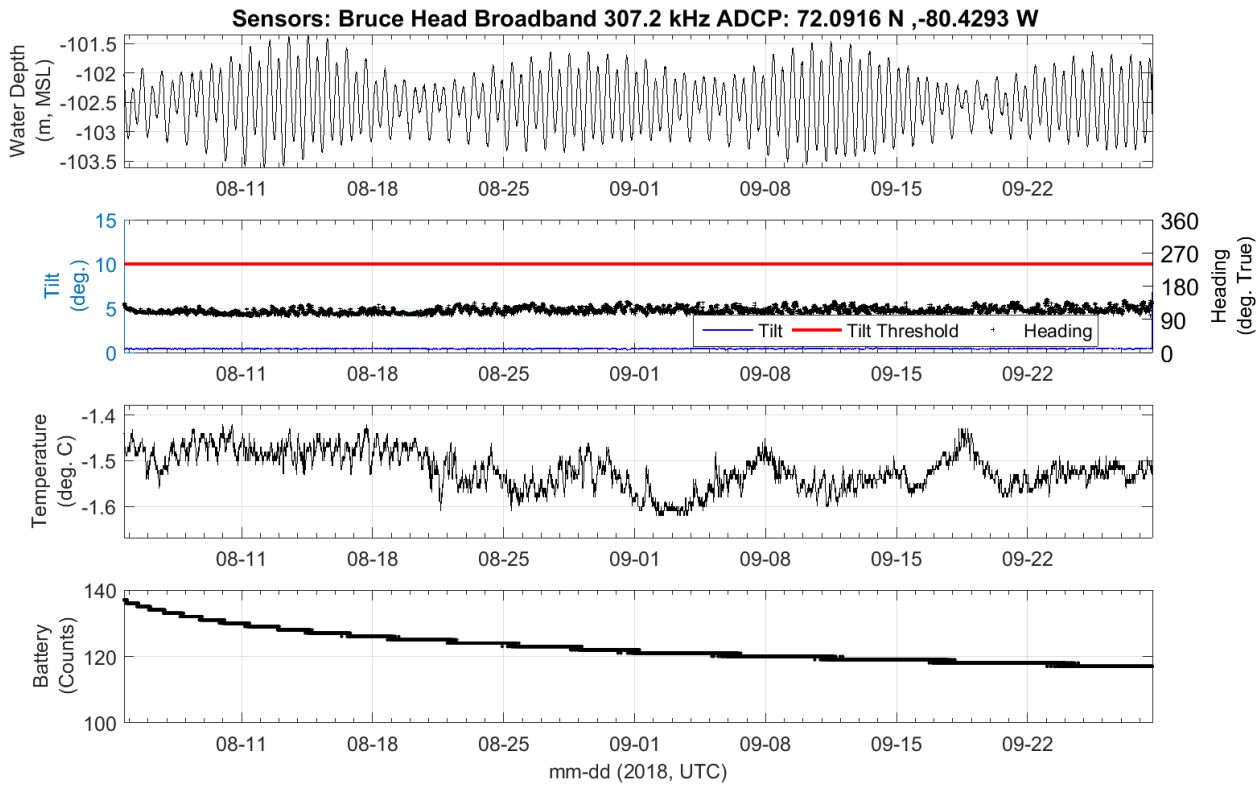


Figure 6: Time series of quality control parameters measured at Bruce Head mooring by the 300 kHz up-looking ADCP including instrument depth, instrument tilt, water temperature, and battery voltage for August 04 to September 28, 2018 in UTC.

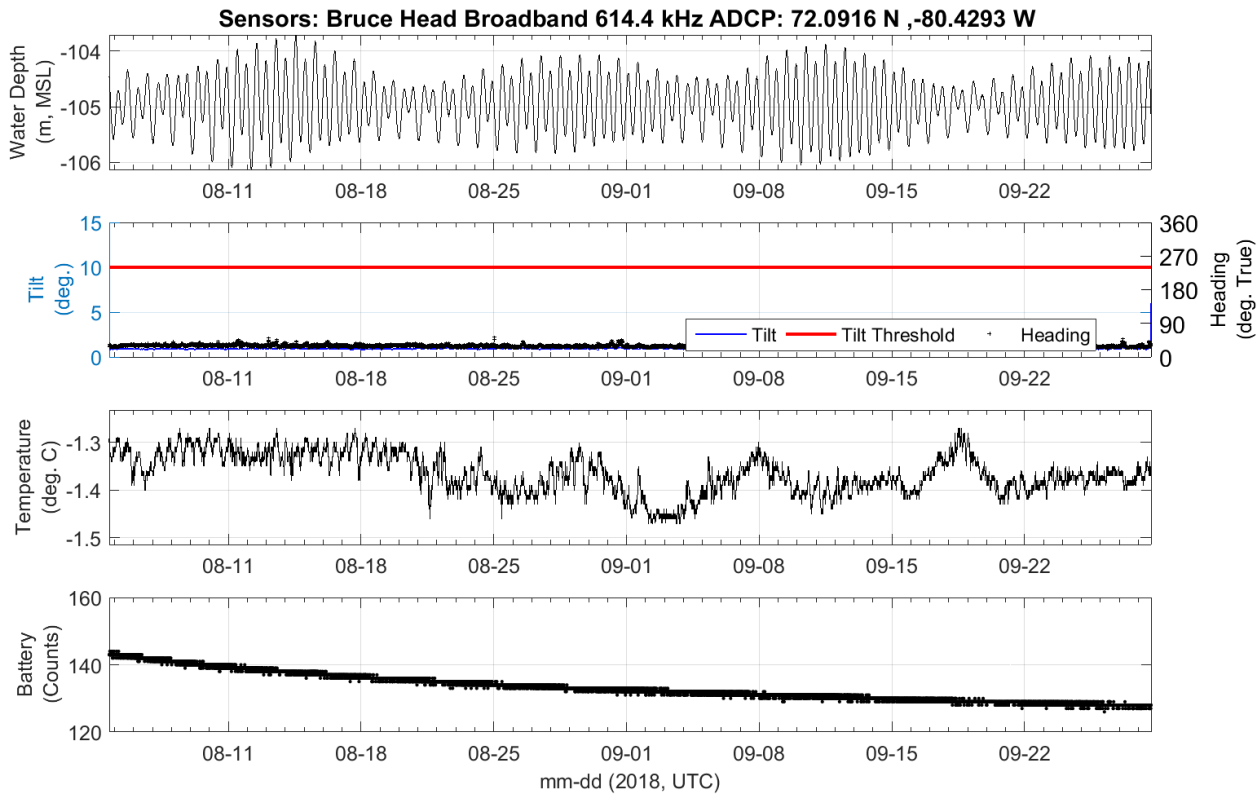


Figure 7: Time series of quality control parameters measured at Bruce Head mooring by the 600 kHz down-looking ADCP including instrument depth, instrument tilt, water temperature, and battery voltage for August 04 to September 28, 2018 in UTC.

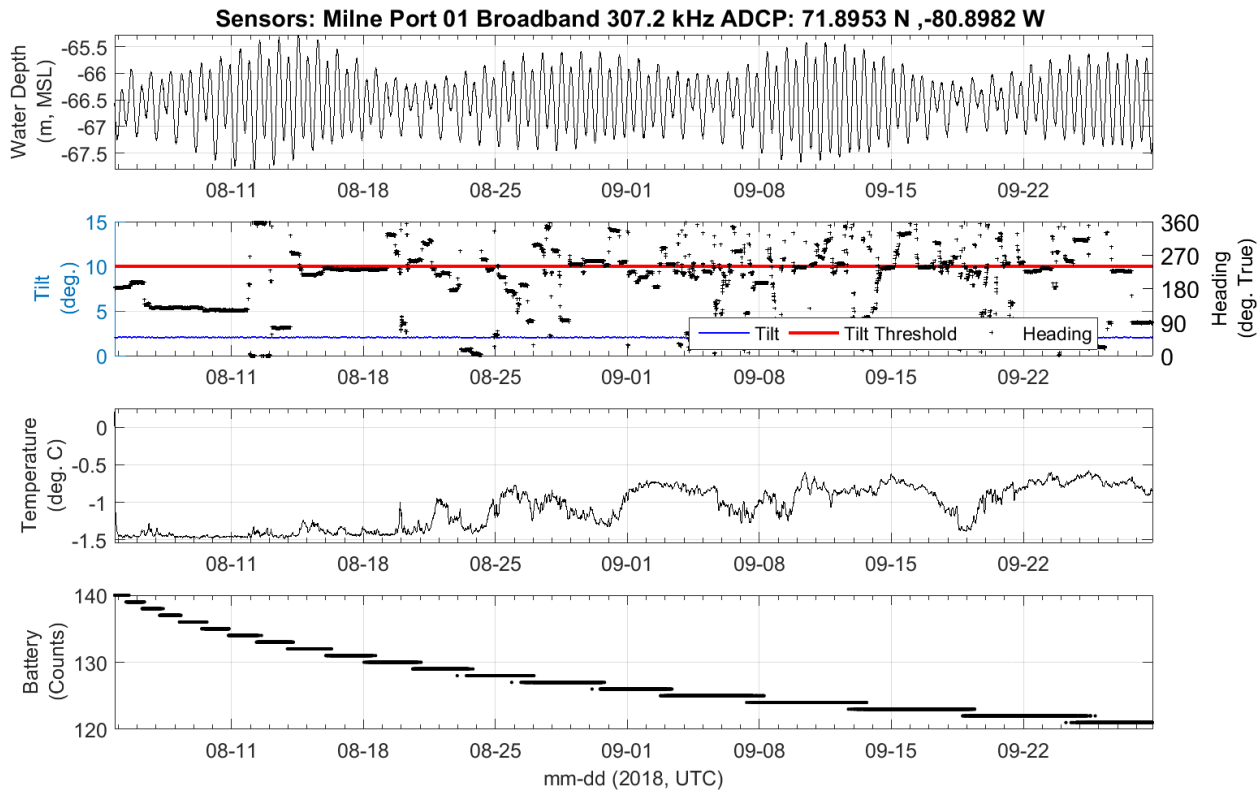


Figure 8: Time series of quality control parameters measured at Milne Port 01 mooring by the 300 kHz up-looking ADCP including instrument depth, instrument tilt, water temperature, and battery voltage for August 04 to September 28, 2018 in UTC.

2.2.4.2 CT/CTD

The data from the RBRduo CT and SBE 37-SM MicroCAT CT/CTD sensors were exported from raw instrument format to ASCII format using Ruskin® and SBE Data Processing® softwares, respectively. Plots of measured water quality parameters were generated. Post-processing and quality-checking was completed using the MATLAB® (Mathworks 2015) scientific computing software and included the following:

- Measurements made by the instrument while it was out of water, as determined from either the pressure or salinity gauge, were replaced with a -999 value.
- Data were filtered for values above a maximum water temperature and outside an accepted salinity range. The maximum water temperature was defined as 10 °C and the salinity range was 31-36PSU. Filtered values were replaced with a -999 value.
- Where applicable, data were filtered for periods when the change in pressure between consecutive samples exceeded 0.5 dbar (approximately 0.5 m of water). Filtered values were replaced with a -999 value.
- Flagged and missing data values, identified onboard the instrument, were replaced with a -999 value. Additional manual editing to remove or flag spurious data was performed as necessary.
- The percentage of good data for each CT/CTD instrument was calculated and presented in Table 7.

Table 7: Recorded Data Statistics for CT/CTD's on the Moorings

Mooring/Instrument	Total Records Recorded (#)	Total Records Expected (#)	Flagged and Missing Data (#)	Percent Valid Data (%)
Bruce Head – RBRduo CT	158542	158687	145	99.99
Milne Port 01 – SBE 37-SM MicroCAT CT	79133	79278	145	99.80
Milne Port 02 – SBE 37-SM MicroCAT CT	76595	76595	0	100.00
Milne Port 02 – SBE 37-SM MicroCAT CTD	76595	76595	0	100.00

2.3 CTD Profiles

2.3.1 Design

A SBE 19plus V2 SeaCAT Profiler (herein “SBE 19plus”) was used to measure CTD profiles between Milne Port and Bruce Head. The SBE 19plus (SN: 19P72752-7329) is designed to measure conductivity (salinity), temperature and pressure and includes auxiliary instruments to measure pH, turbidity, and dissolved oxygen. It uses an internally mounted strain-gauge pressure sensor and pumped CT duct, which ensures the temperature and conductivity measurements are made on the same parcel of water. Auxiliary sensors are attached to the outside of the SBE 19plus near the pumped CT duct intake. The SBE 19plus and all auxiliary sensors was mounted to a rectangular steel frame affixed with a stainless-steel shackle. The instrumentation on the SBE 19plus and the sampling specifications are summarized in Table 8.

Table 8: CTD Profile Instrumentation and Sampling Strategy

Instrumentation	Sampling Strategy	Instrument Accuracy
Sensor: SBE 19plus V2 SeaCAT Profiler (SN 19P72752-7329), measuring through water column CTD profiles	Profiling: 4 Hz Depth Rating: 600 m	Temperature accuracy: $\pm 0.002^{\circ}\text{C}$ Conductivity accuracy: ± 0.005 mS/cm Pressure accuracy: $\pm 0.1\%$ of full scale range
Sensor: SBE 43 Dissolved Oxygen	Profiling: 4 Hz Depth Rating: 600 m	Oxygen accuracy: $\pm 2\%$ of saturation
Sensor: SBE 18 pH	Profiling: 4 Hz Depth Rating: 1200 m	pH accuracy: ± 0.1 pH
Sensor: WET Labs Optical Turbidity	Profiling: 4 Hz Depth Rating: 6000 m	Turbidity accuracy: 0.01 NTU

2.3.2 Deployment and Recovery

Profiles were collected adjacent to the Bruce Head, Milne Port 01 and Milne Port 02 moorings and at five additional locations between Milne Port and Bruce Head on August 07, 2018 onboard a small aluminum fishing vessel. Prior to deployment all instruments were checked, programmed, and synchronized to UTC time. The steel frame, containing the SBE 19plus and all accompanying auxiliary sensors, was then attached to the wire cable of the vessels davit. During deployment the instrument package was lowered into the water until fully submerged and allowed to soak for 60 seconds so that instruments could come to equilibrium with the surrounding water. Additionally, the time, position, and water depth were noted. Profiles were taken by lowering the instrument package through the water column at a rate of 0.5 m/s on the downcast. The coordinates of each profile, time of deployment, and measured water depth at the deployment site is summarized in Table 9.

Table 9: CTD Profile Locations and Times for August 07, 2018

Profile ID	Latitude (WGS 84)	Longitude (WGS 84)	Easting (m)	Northing (m)	UTM Zone	Date/Time Deployed (UTC)	Measured Water Depth (m, MSL)
Bruce Head	72.10	-80.49	517352	8001078	17X	August 07, 2018, 15:25	-174
Milne Port 01	71.89	-80.89	503579.18	7977308	17W	August 07, 2018, 13:40	-53
Milne Port 02	71.89	-80.86	504619.78	7977079	17W	August 07, 2018, 13:25	-58
Site 06	71.94	-80.79	507180	7982577	17W	August 07, 2018, 20:00	-55
Site 07	71.98	-80.77	507658	7987817	17W	August 07, 2018, 19:45	-59
Site 08	72.07	-80.82	505897	7997139	17X	August 07, 2018, 19:20	-59
Site 09	72.03	-80.63	512588	7993414	17X	August 07, 2018, 15:00	-235
Site 10	72.14	-80.49	517327	8004838	17X	August 07, 2018, 16:00	-234

2.3.3 Data Processing

The data from the SBE 19plus and accompanying auxiliary sensors was extracted from Raw instrument format to ASCII using the SBE Data Processing® software. Plots of measured water quality parameters were generated and post-processing and quality-checking of data was completed using the MATLAB® (Mathworks 2015) scientific computing software. Data measured during the initial 60 second instrument calibration period and on the upcast (when the instrument was being raised back to the vessel) were removed. Flagged and missing data values, identified onboard the instrument, were replaced with a -999 value, and additional manual editing to remove or flag spurious data was performed as necessary.

2.4 Milne Port Tide Gauge

2.4.1 Design

The approach to the tide gauge design for 2018 was identical to that of 2017 (Golder 2017). This was necessary to keep a repeatable installation location and elevation from season to season, which is critical to support an inter-annual comparison of water level data.

An RBRconcerto CTD sensor (herein “RBR”) was used to measure conductivity, temperature and water levels at the Milne Port Ore dock. The RBR is designed to be a simple and self-contained CTD sensor capable of working in cold (rated to -5 °C) and corrosive (i.e. salty) environments. The RBR was mounted in an aluminum housing which was secured to the Milne Port ore dock ladder through two welded L-brackets. The ladder was installed at the start of open-water season (typically mid-July) and removed before ice-on (typically October). The ore dock ladder was chosen as it provides a stable mounting point that can be reinstalled each year at the same location as part of standard port operations. The instrumentation on the RBRconcerto and the sampling specifications are summarized in Table 10. Additional details on the tide gauge design, installation and recovery, and mounting hardware are provided in the Milne Port Tide Gauge Installation and Recovery Instructions (APPENDIX B).

Table 10: Tide Gauge Instrumentation and Sampling Strategy

Instrumentation	Sampling Strategy	Instrument Accuracy
Sensor: RBRconcerto CTD (SN 60550)	Measurement Interval: 300 s Sampling Rate: 1 Hz Averaging Duration: 60 s	Temperature accuracy: $\pm 0.002^{\circ}\text{C}$ Conductivity accuracy: ± 0.005 mS/cm Pressure accuracy: $\pm 0.05\%$ of full scale range

2.4.2 Deployment and Recovery

Prior to deployment the RBR sensor was calibrated at the factory. The calibration certificates are included in APPENDIX A. Additionally, the tide gauge was given a visual inspection, programmed, and synchronized to UTC time. The deployment and recovery of the RBR sensor, attached to the Milne Port ore dock ladder, was conducted by Baffinland personnel with coordination from Golder personnel on June 30 and October 19, 2018, respectively. Prior to shipment of the RBR to Milne Port the sensor was programmed to start recording on June 28, 2018. Post-deployment, a GPS RTK (real-time kinematic) survey was conducted to determine the elevation and position of the ladder top plate (Table 11). This involved surveying five points in close proximity on the ladder top plate and calculating an average elevation. Following recovery of the RBR sensor the data was downloaded by Baffinland personnel and shipped to Golder for sensor inspection and demobilization.

Table 11: Deployment and Recovery Details for the RBR Tide Gauge

Survey Point	Easting (m)	Northing (m)	UTM Zone	Elevation (m, CGVD)	Tide Gauge Elevation (m, CGVD) ¹
Point 01	503227.211	7976633.252	17W	3.505	-2.915
Point 02	503227.205	7976633.246	17W	3.516	-2.904
Point 03	503227.205	7976633.242	17W	3.491	-2.93
Point 04	503227.197	7976633.241	17W	3.495	-2.925
Point 05	503227.215	7976633.268	17W	3.496	-2.924
Average Elevation				3.501	-2.920

Notes: CGVD=Canadian Geodetic Vertical Datum; ¹Distance from the tide gauge pressure sensor to the surveyed steel ladder top plate is 6.42 m

2.4.3 Data Processing

A preliminary review of the data recorded by the RBR was performed following the recovery. Quality checks included the following:

- Reviewing time series measured by the instruments, including various diagnostic parameters;
- Checking internal recorder and file status; and
- Plotting and viewing the time series data.

The data from the RBR sensor was extracted from Raw instrument format to ASCII using the instrument specific software Ruskin®. Plots of measured water quality parameters were generated, and post-processing and quality-checking of data was completed using the MATLAB® (Mathworks 2015) scientific computing software and included:

- Measurements made by the instrument while it was out of water, as determined from either the pressure or salinity gauge, were replaced with a -999 value.
- Data were filtered for values above a maximum water temperature and salinity. The maximum water temperature was defined as 10 °C and salinity as 36 PSU. Filtered values were replaced with a -999 value.
- Where applicable, data were filtered for periods when the change in pressure between consecutive samples exceeded 0.5 dbar (approximately 0.5 m of water). Filtered values were replaced with a -999 value.
- Flagged and missing data values, identified onboard the instrument, were replaced with a -999 value. Additional manual editing to remove, or flag spurious data was performed as necessary.

The instrument deployment and recovery dates and percentage of good data during the deployment period is provided in Table 12Table 5. Quality Controlled (QC) data are provided in APPENDIX C.

Table 12: Recorded Data Statistics for the RBR Sensor

Instrument	Date/Time Deployed (UTC)	Date/Time Recovered (UTC)	Total Records Recorded (#)	Total Records Expected (#)	Flagged and Missing Data (#)	Percent Valid Data (%)
RBRconcerto CTD	June 30, 2018, 15:55:00	October 19, 2018, 17:45:00	31990	31990	0	100.00

3.0 DATA SUMMARY

3.1 Environmental Conditions

Weather and water level conditions for the period August 03 through September 30 2018 are summarized in Figure 9. Meteorological data were obtained from the Milne Port meteorological station and water level data from Milne Port 01 mooring. During the period August 28 through September 03 2018 the meteorological station experienced a sensor failure and no data was recorded. At the beginning of the record the air temperature was between 5 and 10 °C and decreased rapidly in early September reaching less than -15 °C by the end of September. The wind direction during this period was predominantly out of the northeast and southeast with the occasional winds from the north and west. Wind speed averaged 5 m/s with occasional storms peaking above 10 m/s and a maximum recorded wind of 18.4 m/s on September 19 2018. Wind directions in Milne Inlet are strongly influenced by local topography (i.e. mountains and cliffs), with typical summer winds out of the southeast and winter winds out of the northeast and north. Observed water levels at Milne Port 01 mooring ranged from approximately -1.25 m to 1.25 m MSL. The 154 day mooring deployment spanned four spring tide (largest water level fluctuations) and three neap tide cycles (smallest water level fluctuations).

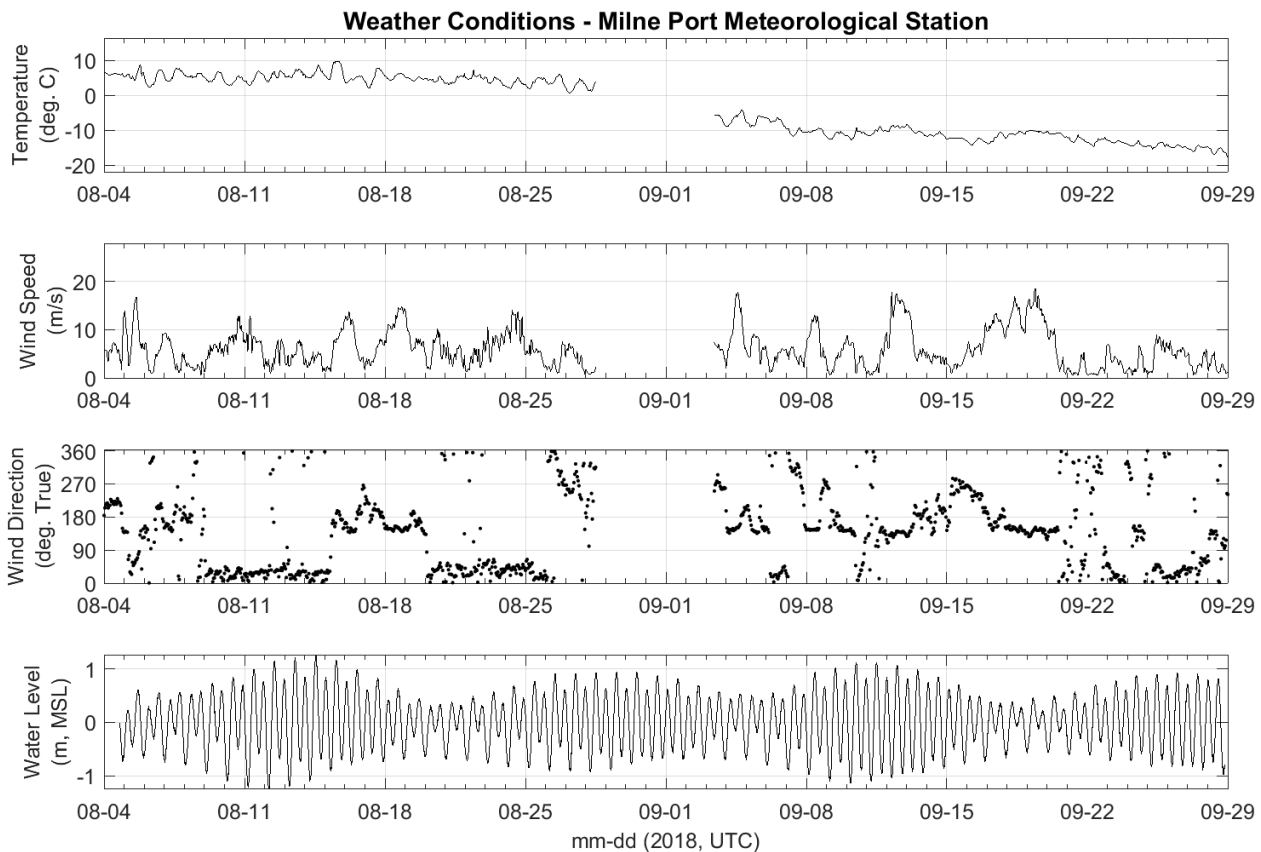


Figure 9: Time series of observed water level at the Milne Port 01 mooring and observed wind speed and direction and air temperature at the Milne Port meteorological station from August 03 to September 30, 2018 in UTC.

3.2 Oceanographic Moorings

3.2.1 Currents

Figure 10 through Figure 17 illustrate the temporal and vertical variations in current speed and direction as measured by the ADCP's at the location of the Bruce Head and Milne Port 01 moorings. Current directions are reported as the direction they are flowing towards (i.e. oceanographic convention).

A contour plot of current speed, direction, and acoustic backscatter amplitude (echo intensity) from August 04 to September 28, 2018 at Bruce Head and at Milne Port 01 as measured by the ADCPs is shown in Figure 10 and Figure 11, respectively. At both sites, the maximum current speeds are approximately 15-25 cm/s and occur in the upper 50 m of the water column, suggesting that wind is the primary driver of currents near the surface. Below the depth of wind mixing (approximately -50 m MSL) variations in current speed and direction are driven primarily by mixed semidiurnal tides. This is observed as a twice daily oscillation in current direction (i.e., from the northwest and southeast at Bruce Head) and speed. Additionally, in both locations the current direction is not uniform throughout the water column for a given point in time. This is particularly apparent above and below the thermocline (i.e., region of maximum temperature and salinity stratification). At Bruce Head the thermocline is between -10 and -40 m MSL and at Milne Port 01 the thermocline is between -5 to -20 m MSL. This nonuniformity in thermocline position suggests that there is a separate outflow and inflow of water near the bed, likely a result of saltier (denser) water.

Figure 12 and Figure 13 show contour plots of northerly and easterly current velocities at Bruce Head and Milne Port 01 mooring from August 04 to September 28, 2018. At Bruce Head the oscillation in current direction from northwest (ebb tide) to southeast (flood tide) is clearly visible. Additionally, the strongest currents are from the northwest and associated with strong winds that drive mixing and circulation, at times to a depth of approximately -50 m MSL (i.e. August 28 through September 03). At Milne Port 01 the currents don't show as clear a tidal oscillation as Bruce Head. This is likely because of the moorings position at the head of the inlet where complex circulation patterns, such as upwelling/downwelling and eddies and gyres, are wind driven. In both locations, internal waves (i.e., vertical oscillations of the water column around the depth of the thermocline) can be seen and contribute to circulation and mixing.

Rose plots of current speed and direction for selected depths, binned in 15° increments, and time series of depth averaged current speed and direction at Bruce Head and Milne Port 01 are shown in Figure 14 through Figure 17. In both locations the strongest flows occur near the surface, a result of the wind. At Bruce Head the near surface flows are dominantly from the northwest (i.e., direction of longest fetch) and take on a bimodal direction with depth, becoming northeast and southwest near the bed. The bimodal direction can be attributed to tidal flows and the turning of the current direction with depth is likely due to differing flows above and below the thermocline. In general, the depth average currents at Bruce Head are between 2-4 cm/s but peak as high as 8 cm/s during wind events. At Milne Port 01 the surface currents show no dominant direction, typically coming from the west through southeast directions, with minimal flows from the southwest (i.e., shortest fetch and direction of land). At depth the Milne Port 01 currents become bimodal and are dominantly from the northwest direction near the bed. The dominant flows from the northwest near the bed are likely attributed to flood tide events and the mixed current directions near the surface are likely a result of the complex flow patterns present at the head of the inlet. In general, the depth average currents at Milne port 01 are between 1-2 cm/s but peak as high as 7 cm/s during wind events.

Summary statistics for current speeds and directions at select depths at Bruce Head and Milne Port 01 mooring are presented in Table 13 and Table 14.

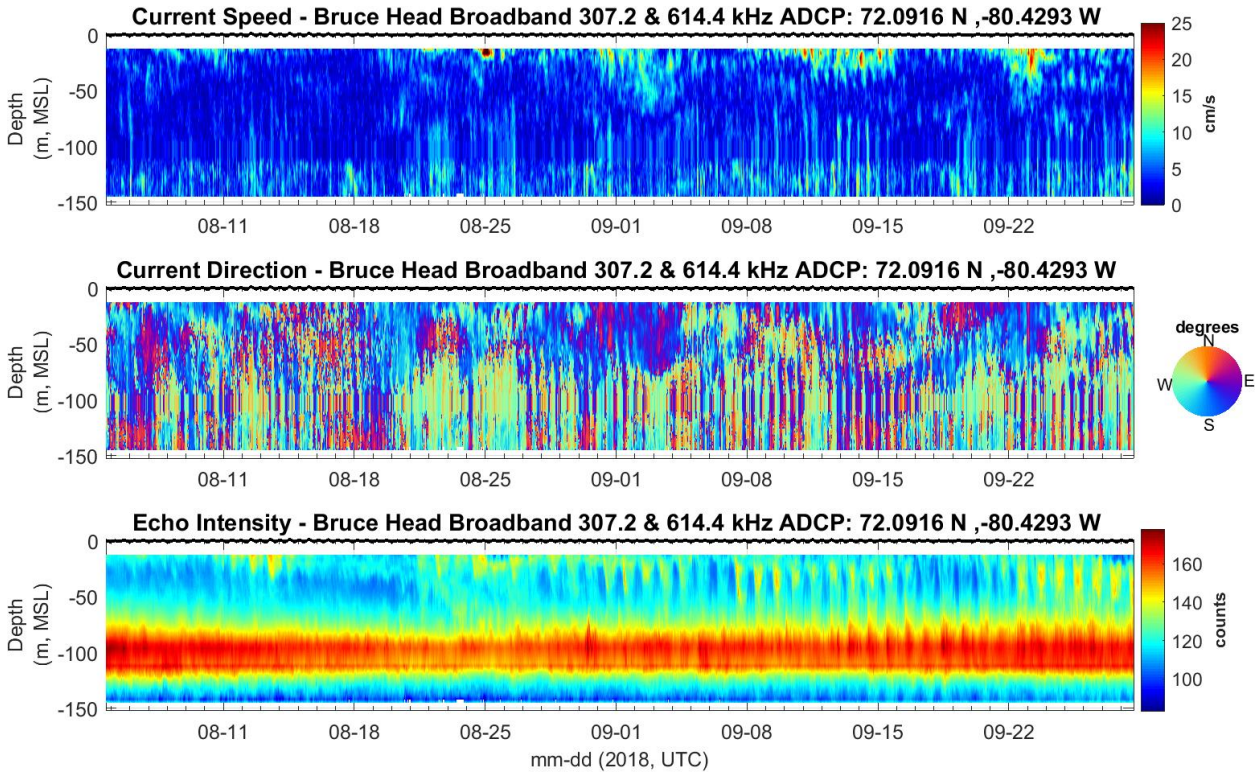


Figure 10: Contour plot of current speed, direction, and echo intensity profiles measured at Bruce Head mooring by the 300 kHz up-looking ADCP and down-looking 600 kHz ADCP from August 04 to September 28, 2018 in UTC. The black line indicates the water level during deployment.

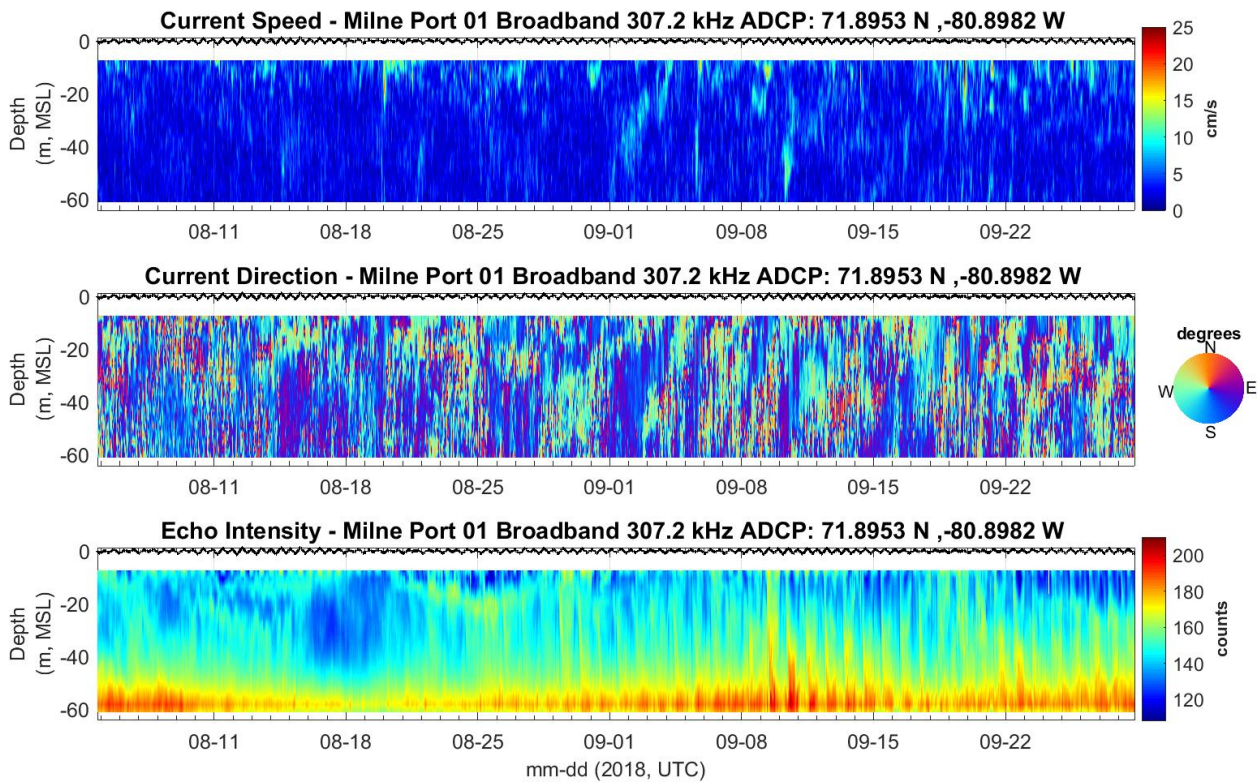


Figure 11: Contour plot of current speed, direction, and echo intensity profiles measured at Milne Port 01 mooring by the 300 kHz up-looking ADCP from August 04 to September 28, 2018 in UTC. The black line indicates the water level during deployment.

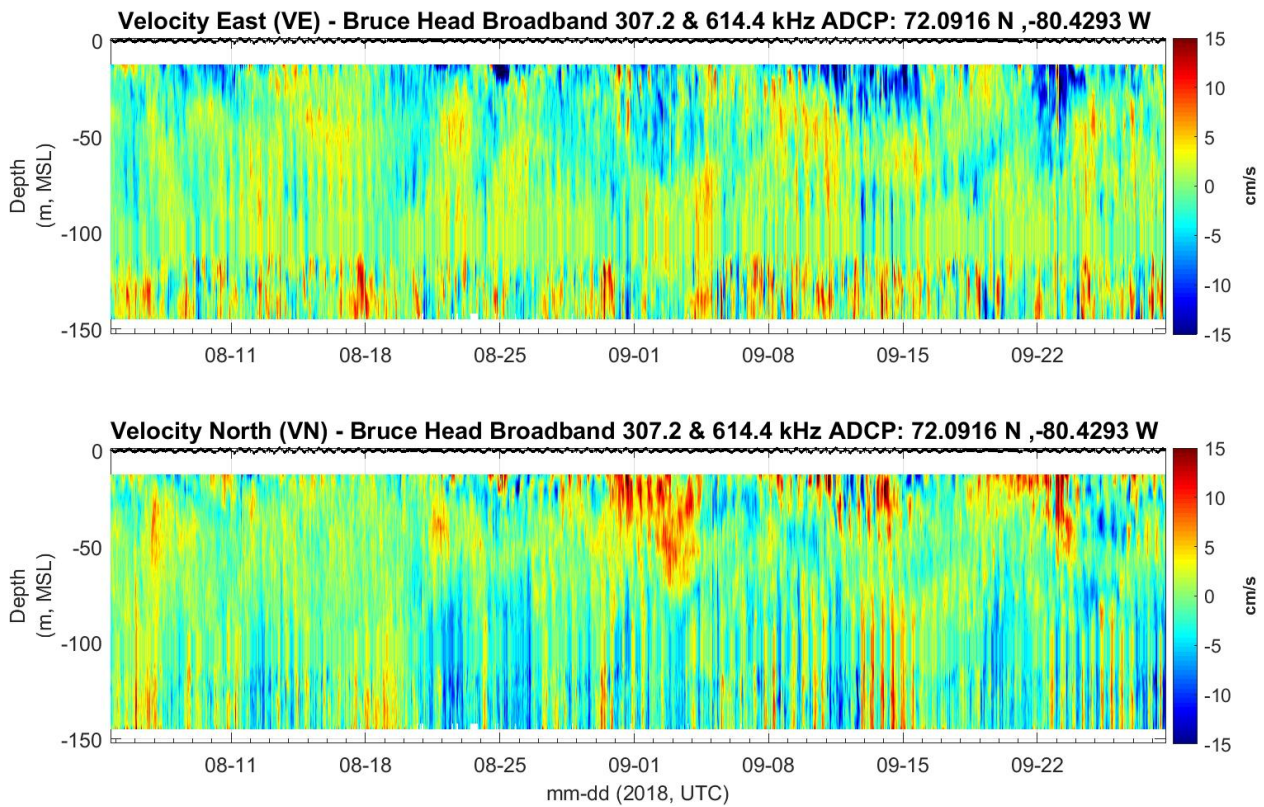


Figure 12: Contour plot of northerly and easterly velocity components measured at Bruce Head mooring by the 300 kHz up-looking ADCP and down-looking 600 kHz ADCP from August 04 to September 28, 2018 in UTC. The black line indicates the water level during deployment.

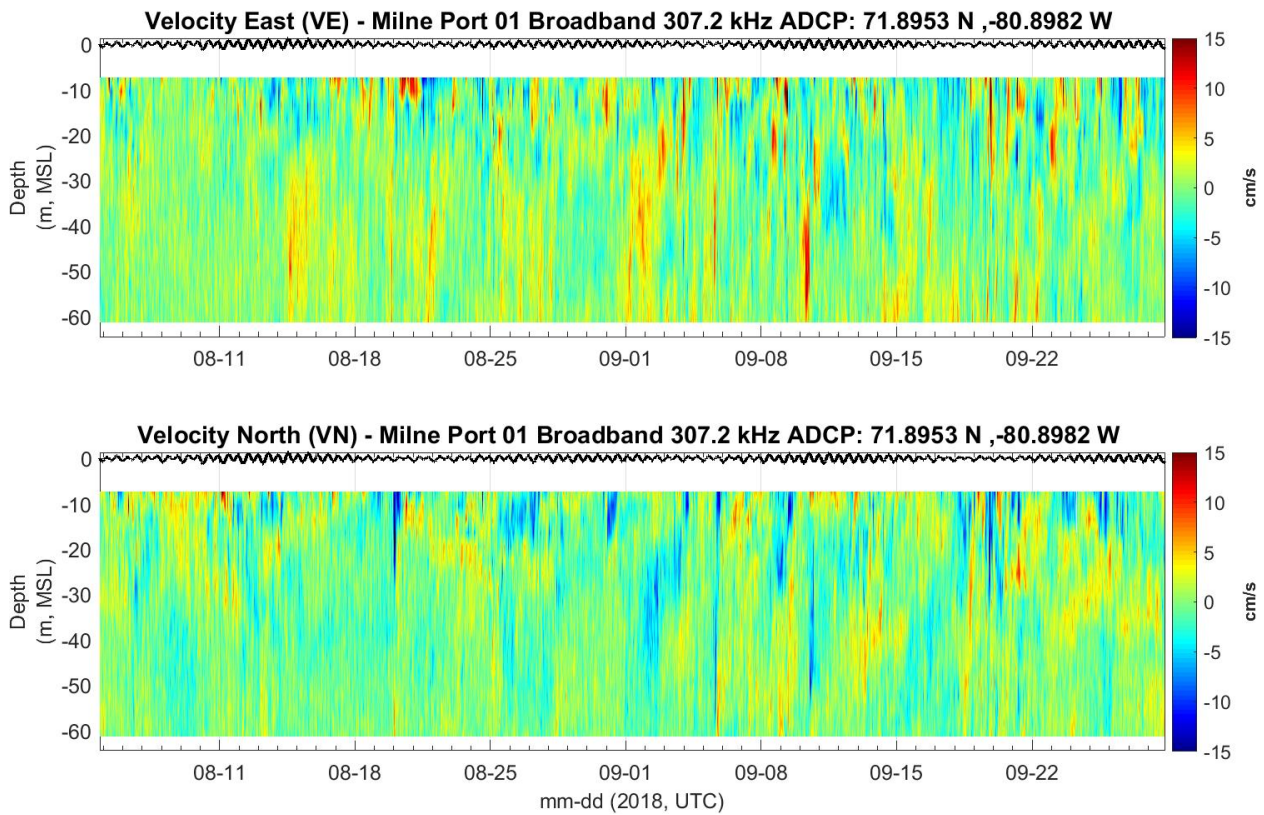


Figure 13: Contour plot of northerly and easterly velocity components measured at Milne Port 01 mooring by the 300 kHz up-looking ADCP from August 04 to September 28, 2018 in UTC. The black line indicates the water level during deployment.

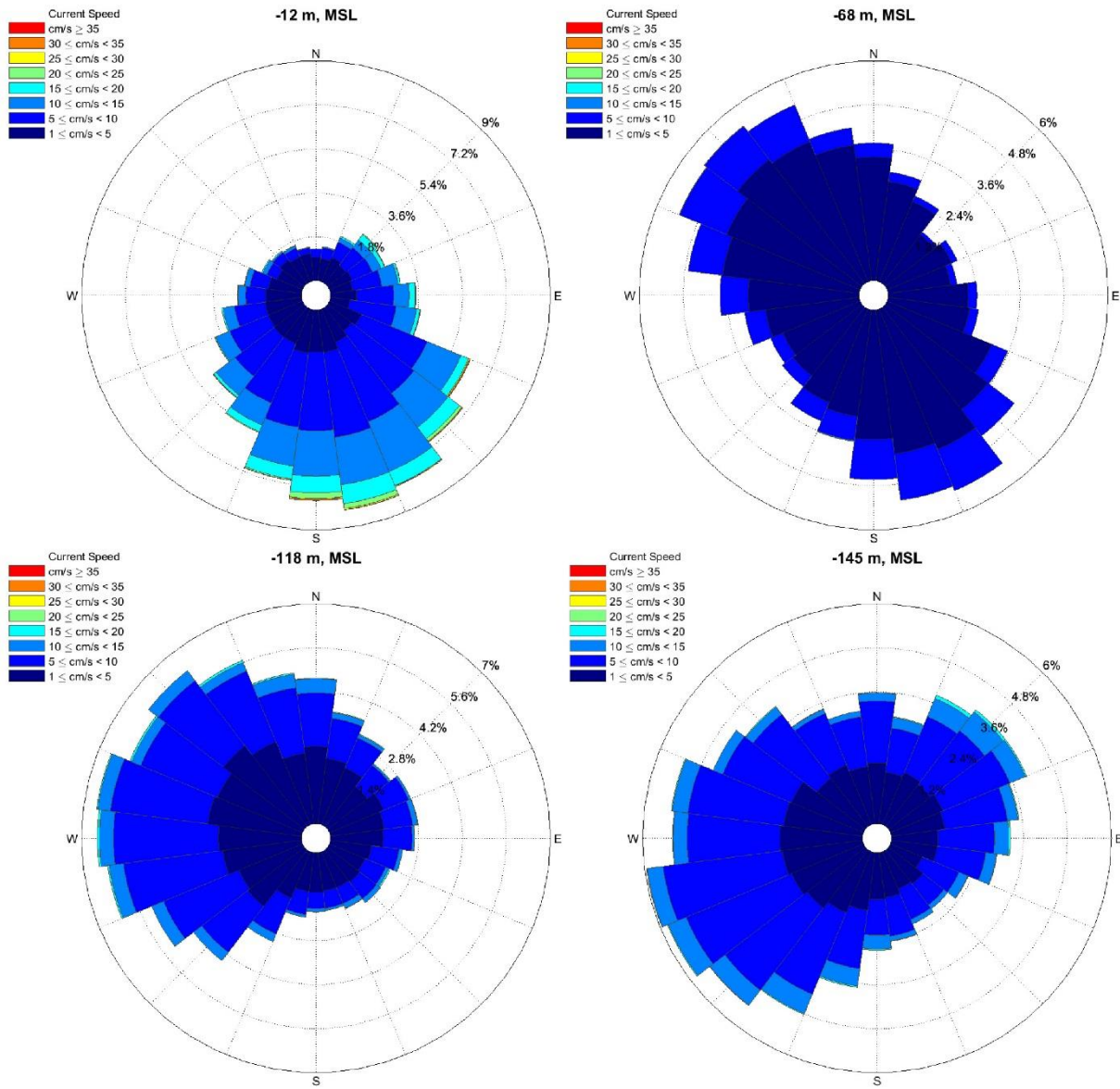


Figure 14: Current roses for select bin depths measured at 12, 68, 118, and 145 m below MSL at Bruce Head mooring by the 300 kHz up-looking ADCP and down-looking 600 kHz ADCP from August 04 to September 28, 2018 in UTC.

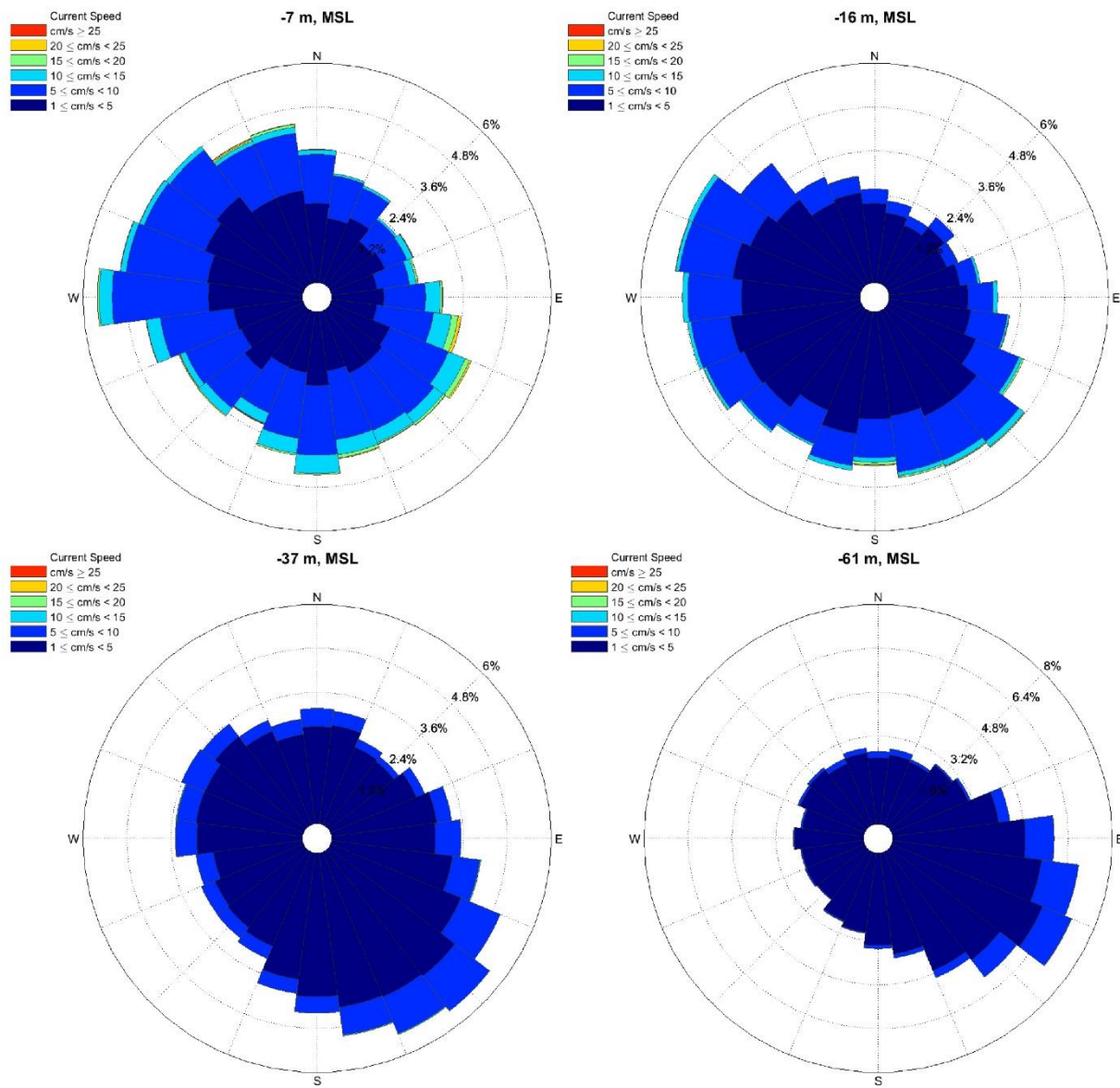


Figure 15: Current roses for select bin depths measured at 7, 16, 37, and 61 m below MSL at Milne Port 01 mooring by the 300 kHz up-looking ADCP from August 04 to September 28, 2018 in UTC.

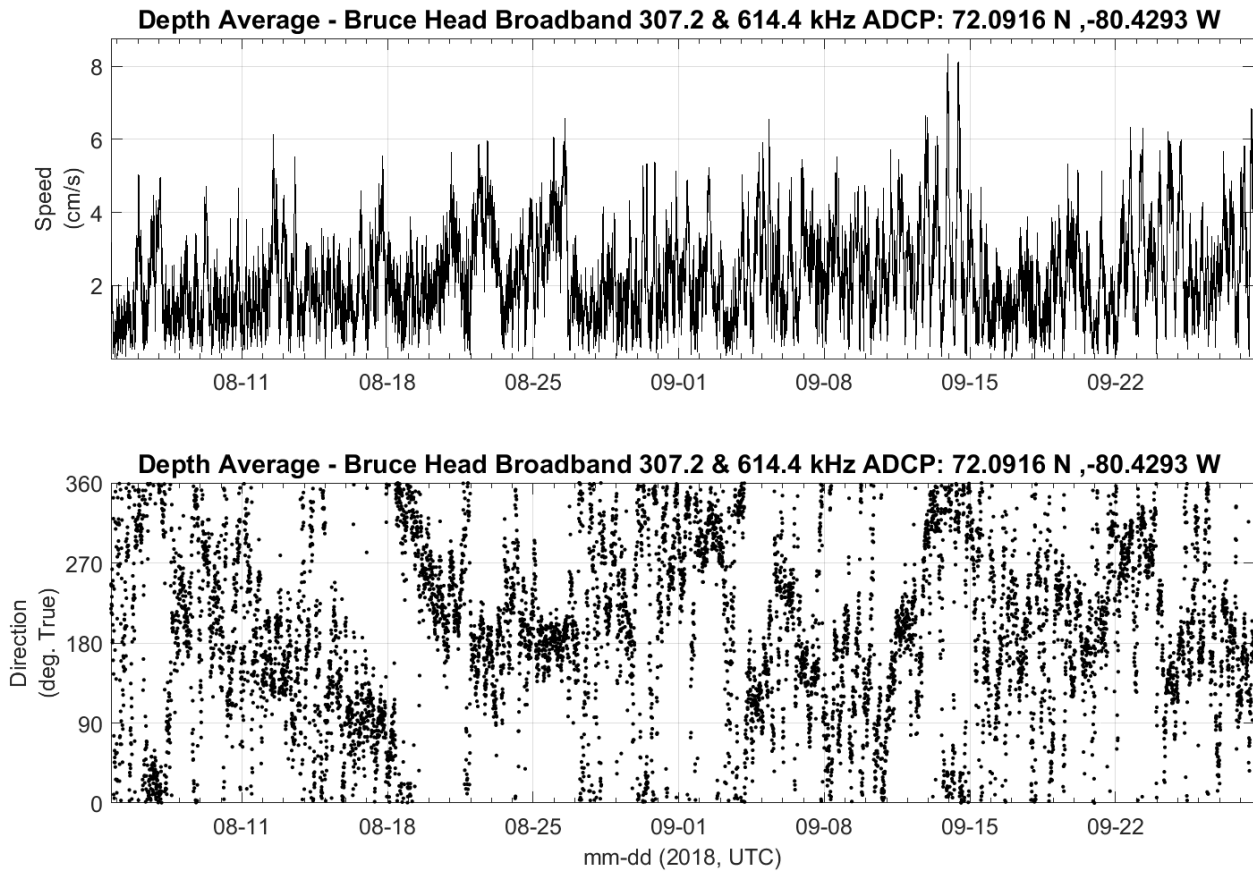


Figure 16: Full water column depth average current speed and direction measured at Bruce Head mooring by the 300 kHz up-looking ADCP and down-looking 600 kHz ADCP from August 04 to September 28, 2018 in UTC.

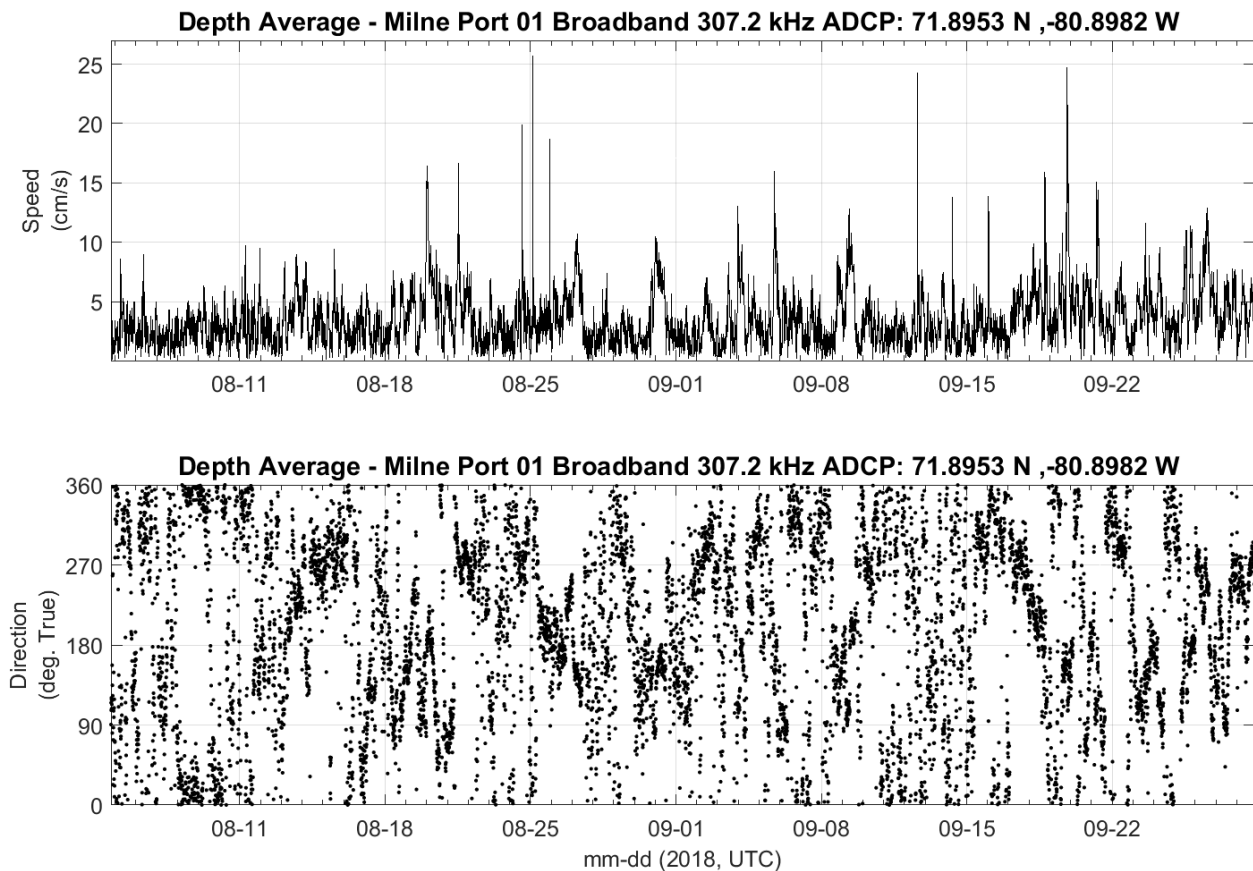


Figure 17: Full water column depth average current speed and direction measured at Milne Port 01 mooring by the 300 kHz up-looking ADCP from August 04 to September 28, 2018 in UTC.

Table 13: Statistics of current speed and direction for selected depths as measured at Bruce Head mooring by the 300 kHz up-looking ADCP and down-looking 600 kHz ADCP from August 04 to September 28, 2018 in UTC.

Depth (m, MSL)	Bin No.	Min Speed (cm/s)	Median Speed (cm/s)	Mean Speed (cm/s)	Max Speed (cm/s)	Std Speed (cm/s)	Mean Direction (degrees)	Percent Valid Data (%)
-12	14	0.00	6.90	7.50	40.0	4.60	167	100
-68	28	0.00	2.90	3.20	11.0	1.80	254	100
-118	39	0.00	4.70	5.10	19.0	2.91	300	100
-145	48	0.00	5.50	5.90	19.4	3.04	278	98.4

Table 14: Statistics of current speed and direction for selected depths as measured at Milne Port 01 mooring by the 300 kHz up-looking ADCP and down-looking 600 kHz ADCP from August 04 to September 28, 2018 in UTC

Depth (m, MSL)	Bin No.	Min Speed (cm/s)	Median Speed (cm/s)	Mean Speed (cm/s)	Max Speed (cm/s)	Std Speed (cm/s)	Mean Direction (degrees)	Percent Valid Data (%)
-7	19	0.00	4.80	5.30	27.2	3.30	256	99.9
-16	16	0.00	3.87	3.90	22.1	2.40	224	100
-37	9	0.00	2.80	3.10	11.9	1.74	155	100
-61	1	0.00	2.40	2.63	10.0	1.50	115	100

3.2.2 Temperature and Salinity

Figure 18 through Figure 21 illustrate the time varying water temperature, conductivity, salinity and depth as measured by the CT and CTD instruments on the Bruce Head, Milne Port 01, and Milne Port 02 moorings. At Bruce Head the CT sensor was at a depth of approximately -103 m MSL. The temperature and salinity was relatively constant during the deployment, between -1.3 and -1.5 °C and 32 and 32.4 PSU, and exhibits a semidiurnal fluctuation, likely from tidal forcing. At Milne Port 01 the CT sensor was at a depth of approximately -66 m MSL. The temperature and salinity, much like Bruce Head, is relatively constant during the deployment, but shows a minor warming trend over the length of the deployment and a fluctuation in temperature occurring over multiday timescales, longer than tidal forcing. This is likely a result of the water column cooling from the surface down which drives mixing towards the bed. At Milne Port 02 the CTD sensor was at a depth of approximately -23 m MSL and the CT sensor at a depth of -13 m MSL. Both sensors showed large fluctuations in temperature and to a lesser extent salinity. This is likely a result of wind events driving currents and mixing at the depth of the thermocline (approximately 5 to 20 m MSL), this is seen in both sensors during a large storm event on August 26 and 27. Between August 12 and 16 the -13 m MSL CT sensor shows a large daily increase in temperature and corresponding decrease in salinity. It's possible that these spikes could be associated with wind mixing however the meteorological station was not functioning in this period and therefore local wind information is not available to support this hypothesis. Freshwater inflows from Phillips Creek are another mechanism that could contribute to these fluctuations.

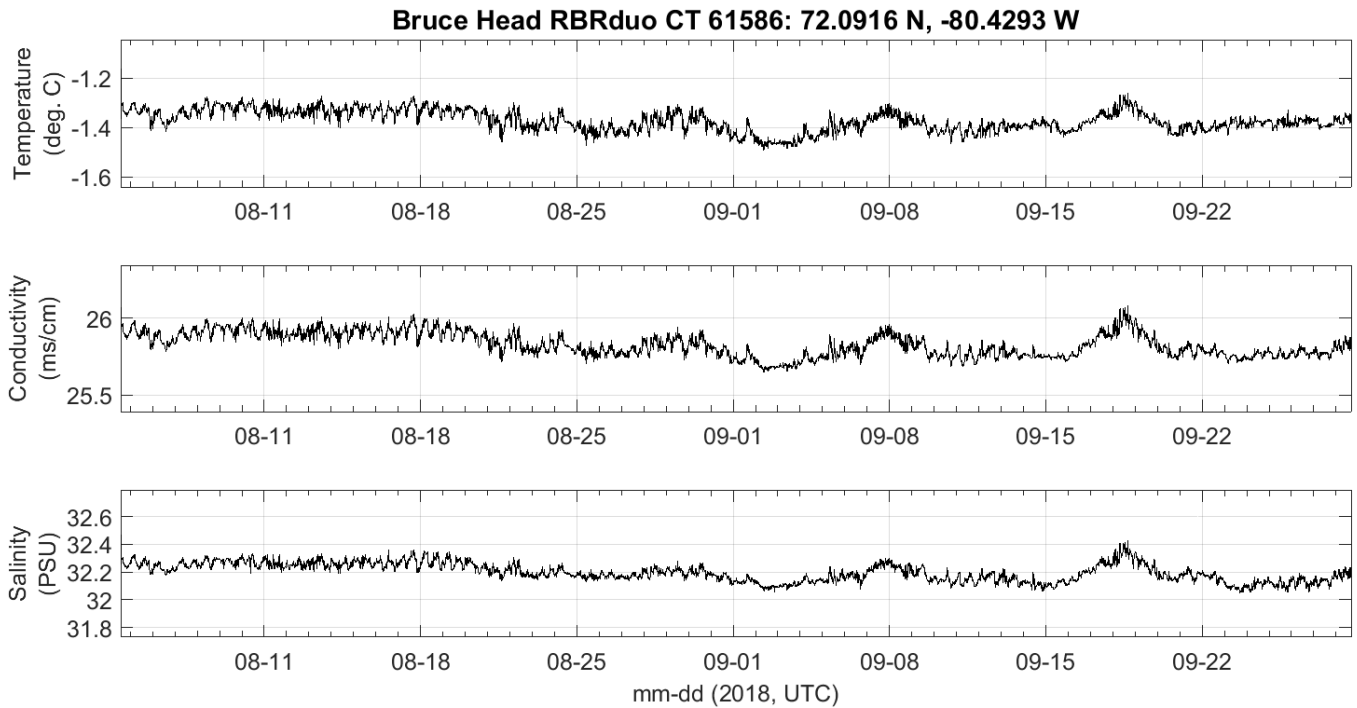


Figure 18: Time series of temperature, conductivity, and salinity measured at Bruce Head mooring by the RBRduo CT from August 04 to September 28, 2018 in UTC.

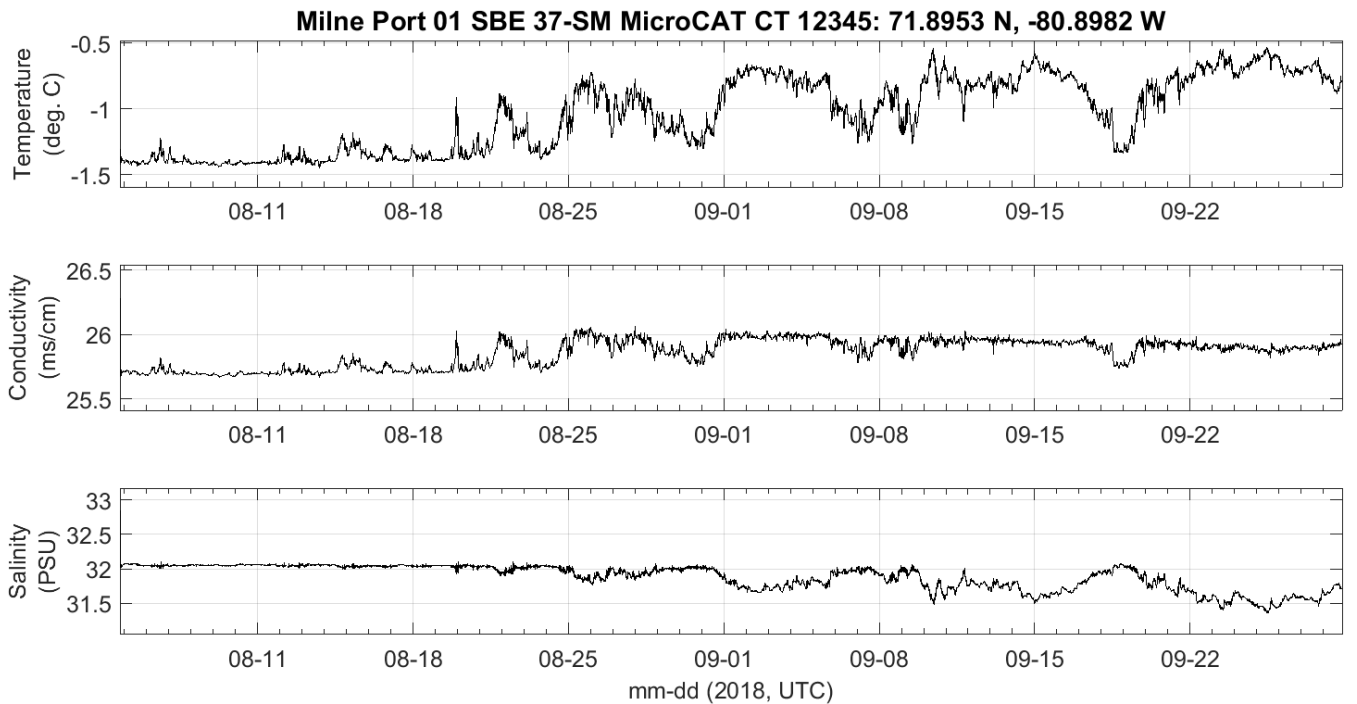


Figure 19: Time series of temperature, conductivity, and salinity measured at Milne Port 01 mooring by the SBE 37-SM MicroCAT CT from August 04 to September 28, 2018 in UTC.

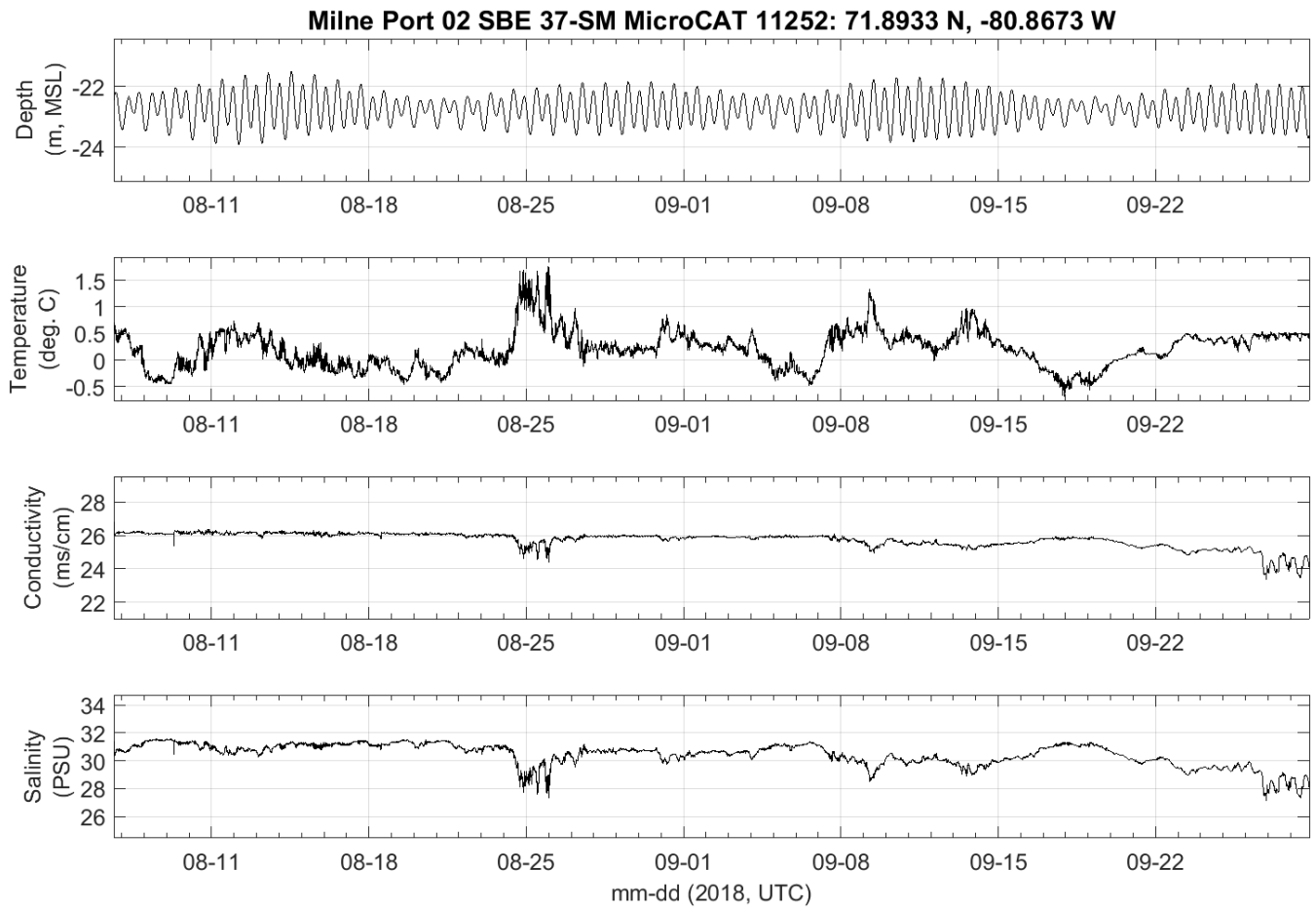


Figure 20: Time series of depth (pressure), temperature, conductivity, and salinity measured at Milne Port 02 mooring by the SBE 37-SM MicroCAT CT from August 06 to September 29, 2018 in UTC.

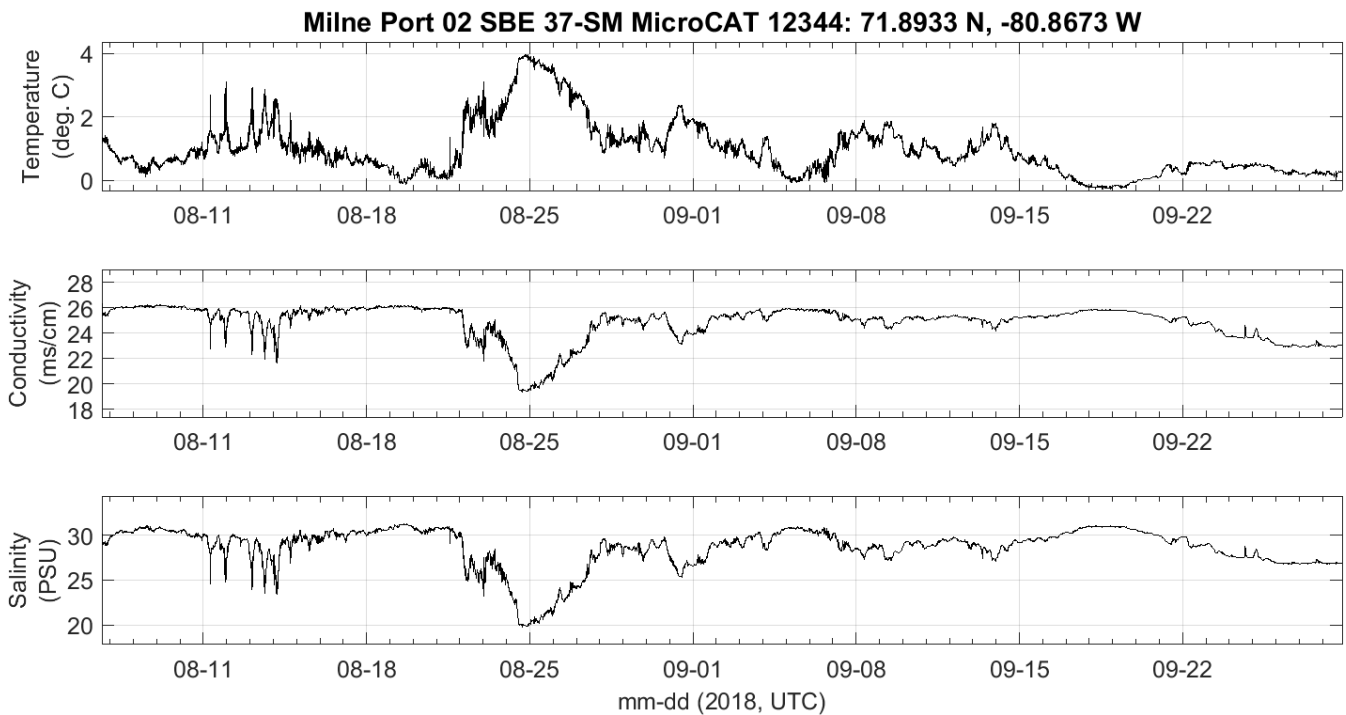


Figure 21: Time series of temperature, conductivity, and salinity measured at Milne Port 01 mooring by the SBE 37-SM MicroCAT CTD from August 06 to September 29 2018 in UTC.

3.3 CTD Profiles

Figure 22 through Figure 24 are plots of CTD and turbidity profiles measured near the Bruce Head, Milne Port 01, and Milne Port 02 moorings on August 07 2018. At all profiles the surface water in all profiles appears to be influenced by fresh water, with temperature of approximately 6 °C and a salinity of approximately 10 PSU. The temperature decreases and salinity increases with depth through the water column. The greatest change in temperature and salinity occurs in the profiles at Milne Port 01 and 02 with the thermocline occurring between the surface and -20 m MSL. At Bruce Head the thermocline is between the surface and -40 m MSL. Below the thermocline the temperature and salinity become uniform and represent a well mixed water column. In all locations the thermocline acts as a barrier to wind generated circulation and mixing. This means the strongest currents are expected above or at the thermocline. Additionally, the near surface water is very fresh and is likely from runoff, rain events, sea ice melt, snowmelt, and iceberg melt.

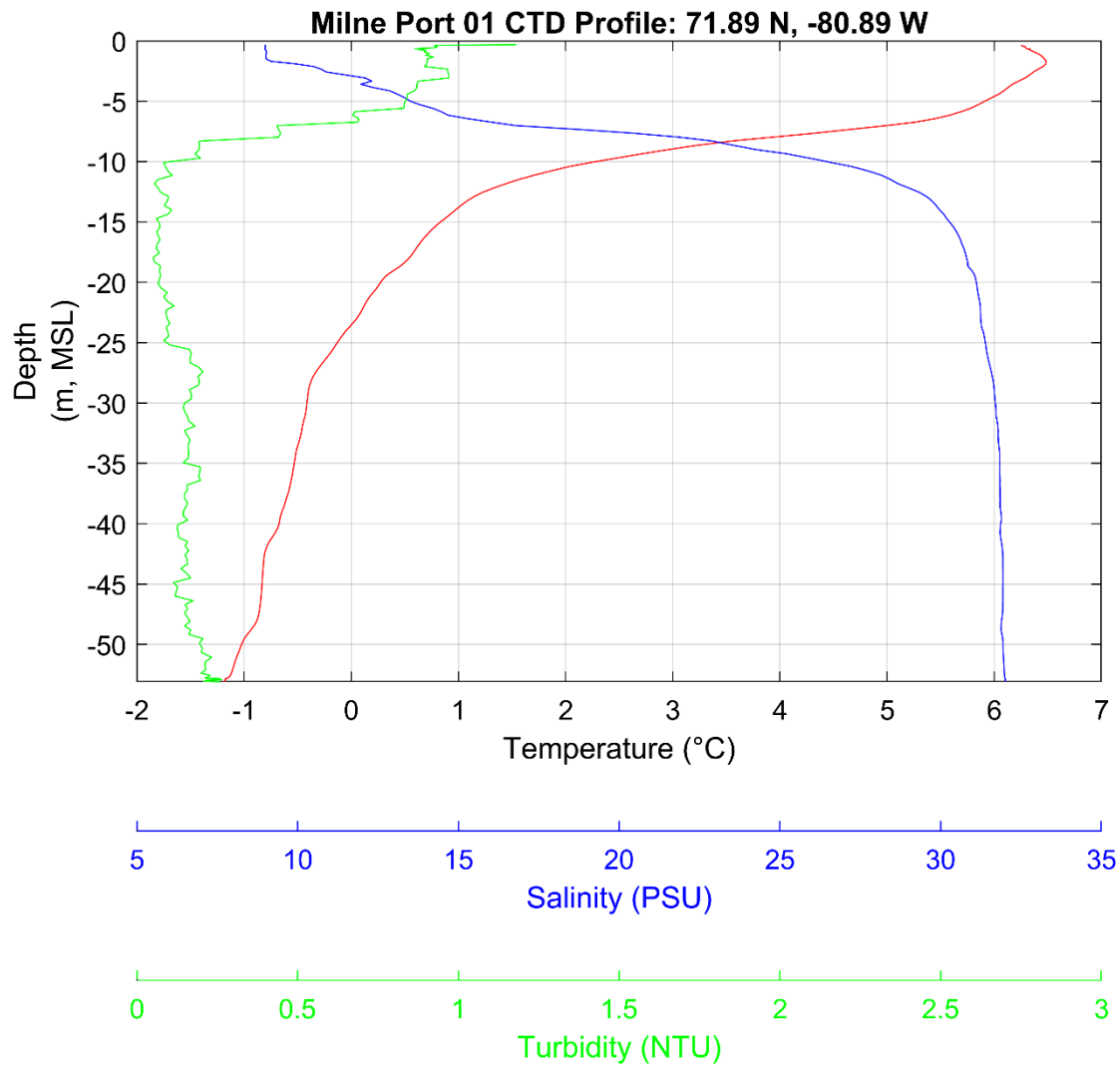


Figure 22: CTD and turbidity profile measured at the Milne Port 01 mooring on August 07, 2018 in UTC. The red line is temperature, blue line is salinity, and green line is turbidity.

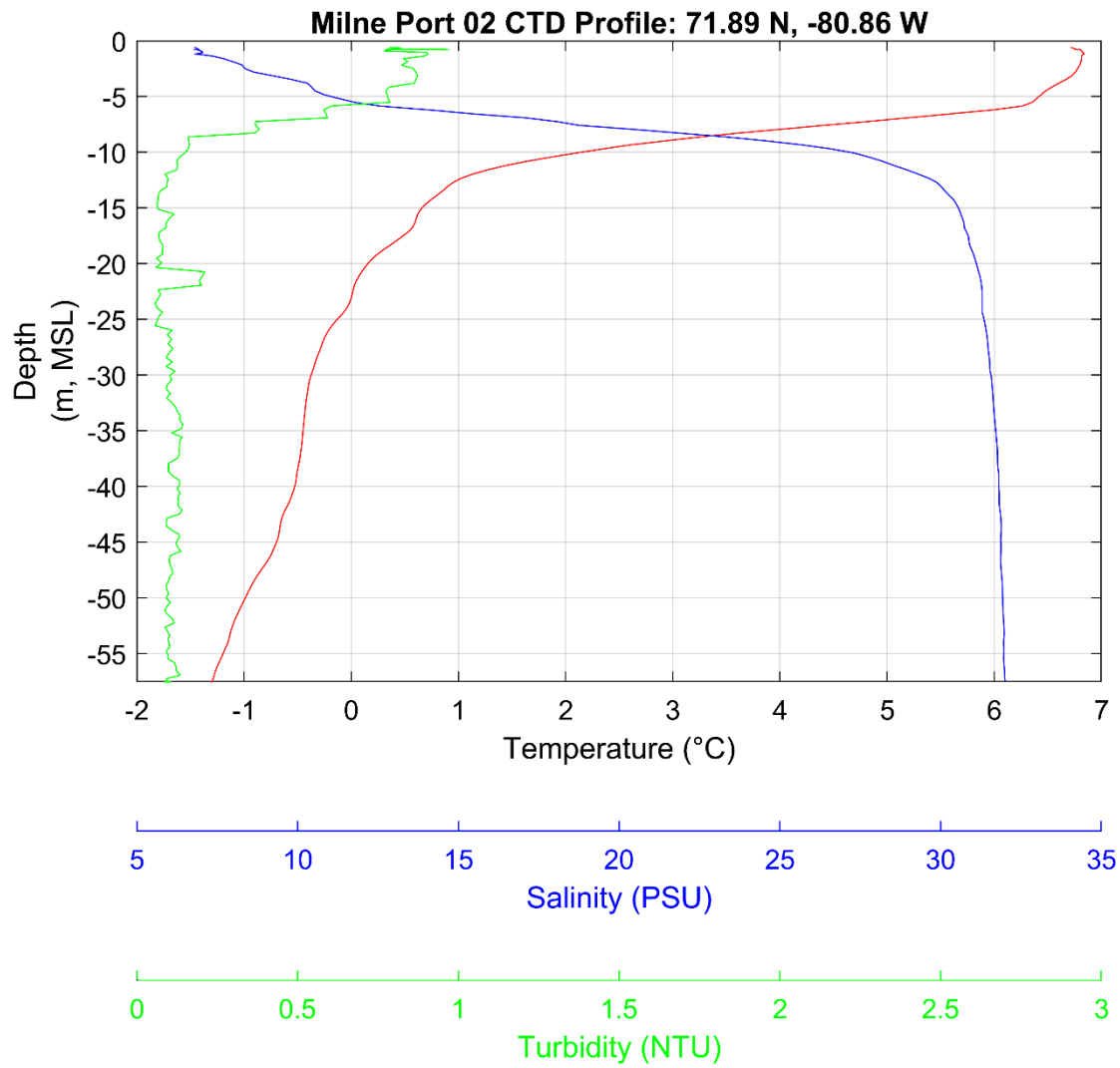


Figure 23: CTD and turbidity profile measured at the Milne Port 02 mooring on August 07, 2018 in UTC. The red line is temperature, blue line is salinity, and green line is turbidity.

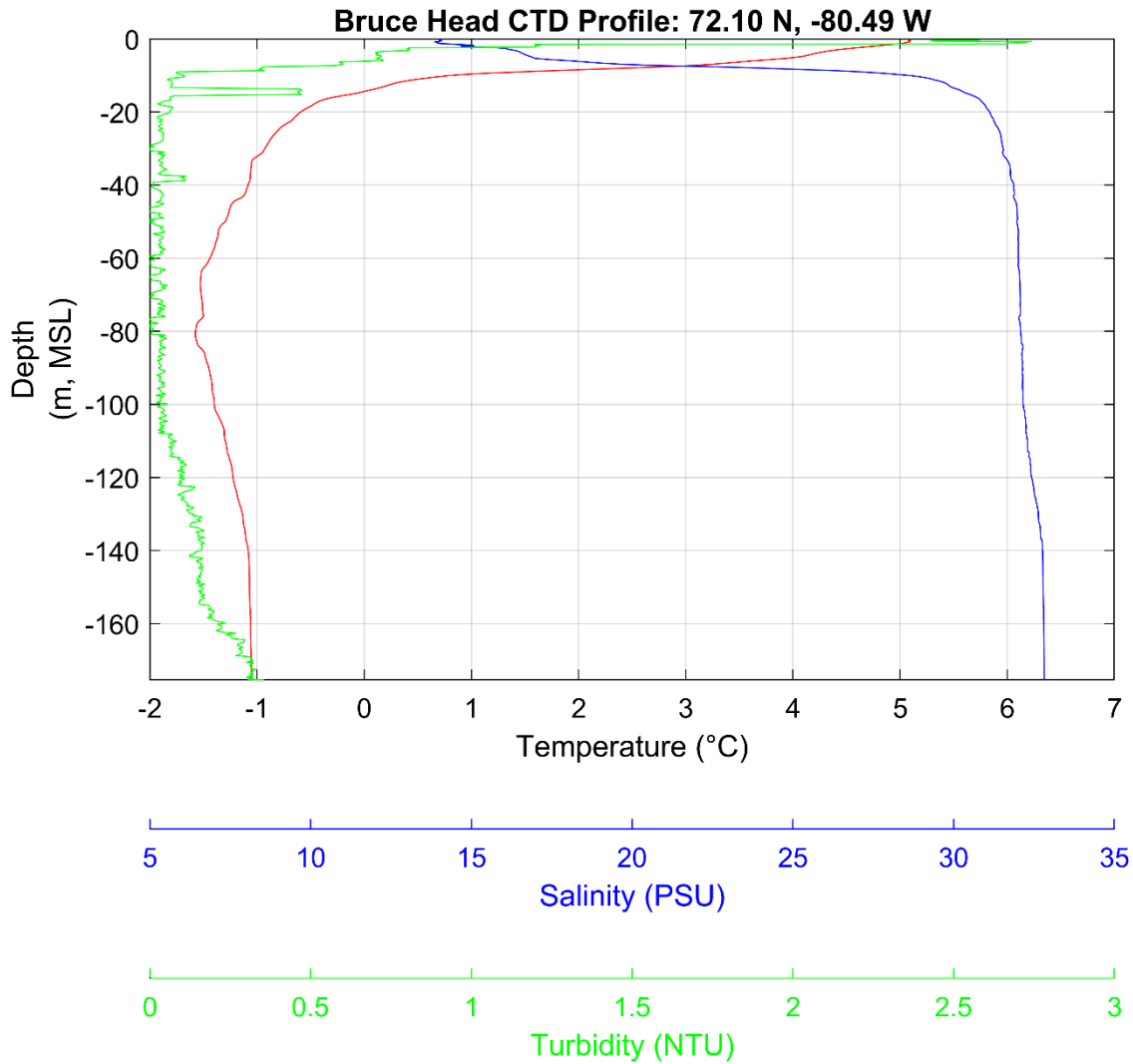


Figure 24: CTD and turbidity profile measured at the Bruce Head mooring on August 07, 2018 in UTC. The red line is temperature, blue line is salinity, and green line is turbidity.

3.4 Tide Gauge

Time series of temperature, conductivity, salinity and water level referenced to CGVD as measured by the RBR at the Milne Port ore dock over the length of the deployment are shown in Figure 25. The red and blue dashed lines indicate the insets shown in Figure 26 and Figure 27. In the first month of the deployment the RBR measured large fluctuations in temperature and salinity. The temperature oscillated between 0 and 10 °C and the salinity between 1 and 30 PSU. This is most likely a result of freshwater runoff accompanying the spring freshet and the

melting of sea ice in Milne Inlet near Milne Port. Temperature and salinity variations are typically diurnal. After the spring freshet, approximately July 25 the temperature and salinity profiles become more stable but continue to exhibit a diurnal fluctuation. It is likely that these fluctuations are driven by upwelling/downwelling at the ore dock during wind events and by tidal forcing combined with freshwater inputs during melting. Figure 27 shows temperature and salinity measurements adjacent (approximately 15 m horizontally) to two berthed vessels during ballast water discharge events. The temperature and salinity of the ballast water during the two events are known and differ from the ambient characteristics at that time (i.e. minimum salinity under Transport Canada is 30 PSU). However, there are no distinguishable variations in temperature and salinity during the two events shown in the tide gauge record (Figure 27). In the fall, the temperature and surface water in Milne Port begin to cool and the surface layer becomes well mixed with layers below. This is evident in the more stable temperature and salinity measurements from September 01 to the end of the deployment (Figure 25). During the deployment the RBR measured seven spring tide and eight neap tide events. The proximity of the ballast water discharge to the RBR location is shown in Figure 28.

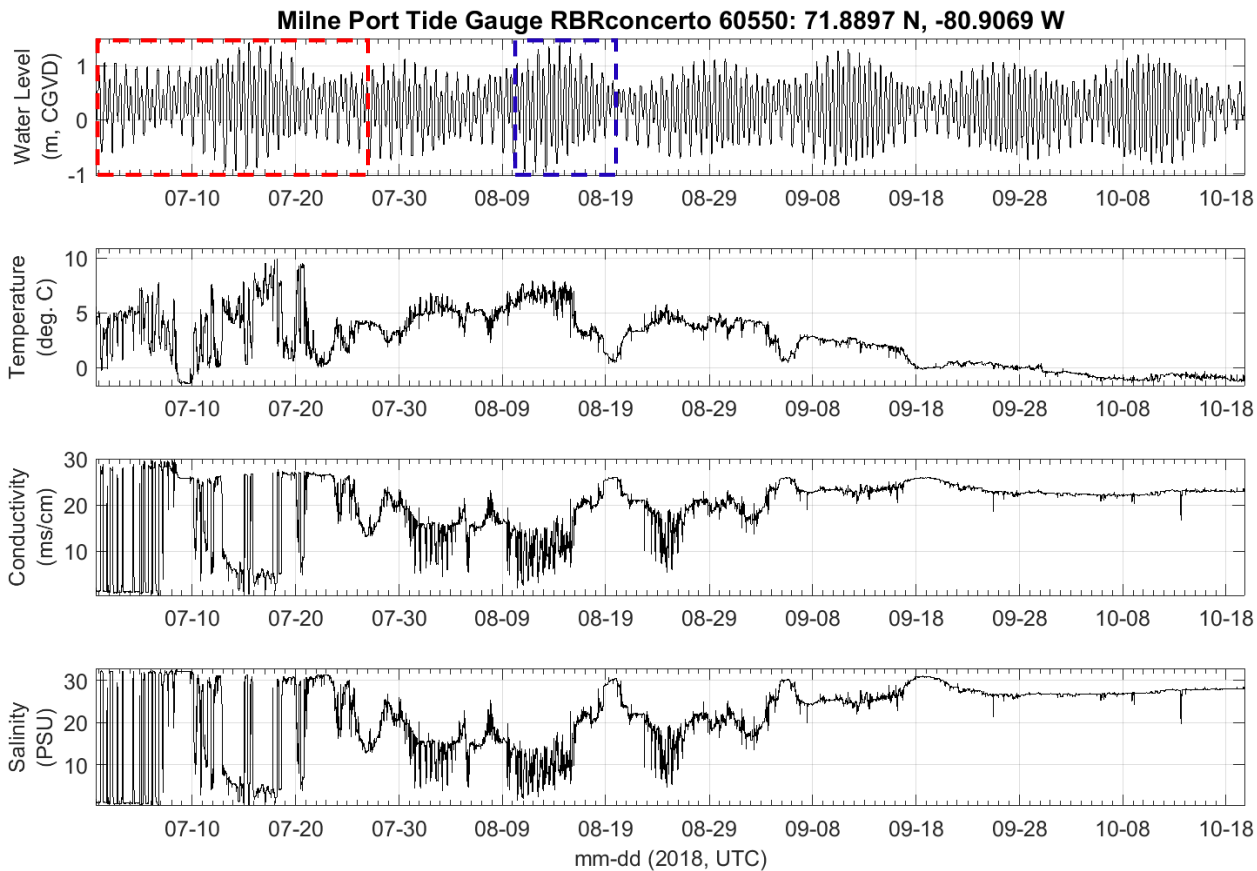


Figure 25: Time series of water level, temperature, conductivity, and salinity measured at Milne Port Tide Gauge by the RBRconcerto CTD from June 30 to October 19, 2018 in UTC. The red and blue dashed lines indicate the insets for Figure 26 and Figure 27.

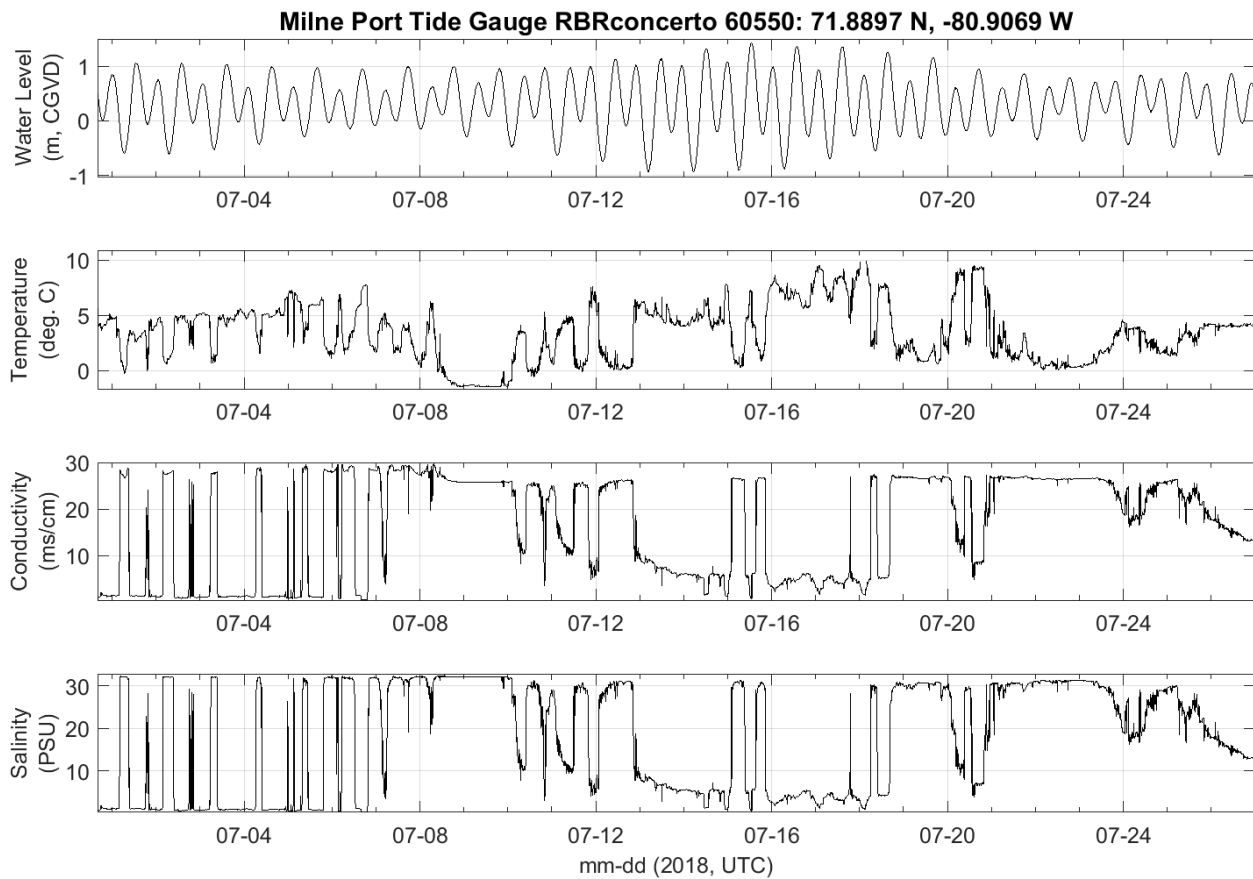


Figure 26: Time series of water level, temperature, conductivity, and salinity measured at Milne Port Tide Gauge by the RBRconcerto CTD from June 30 to July 27, 2018 in UTC.

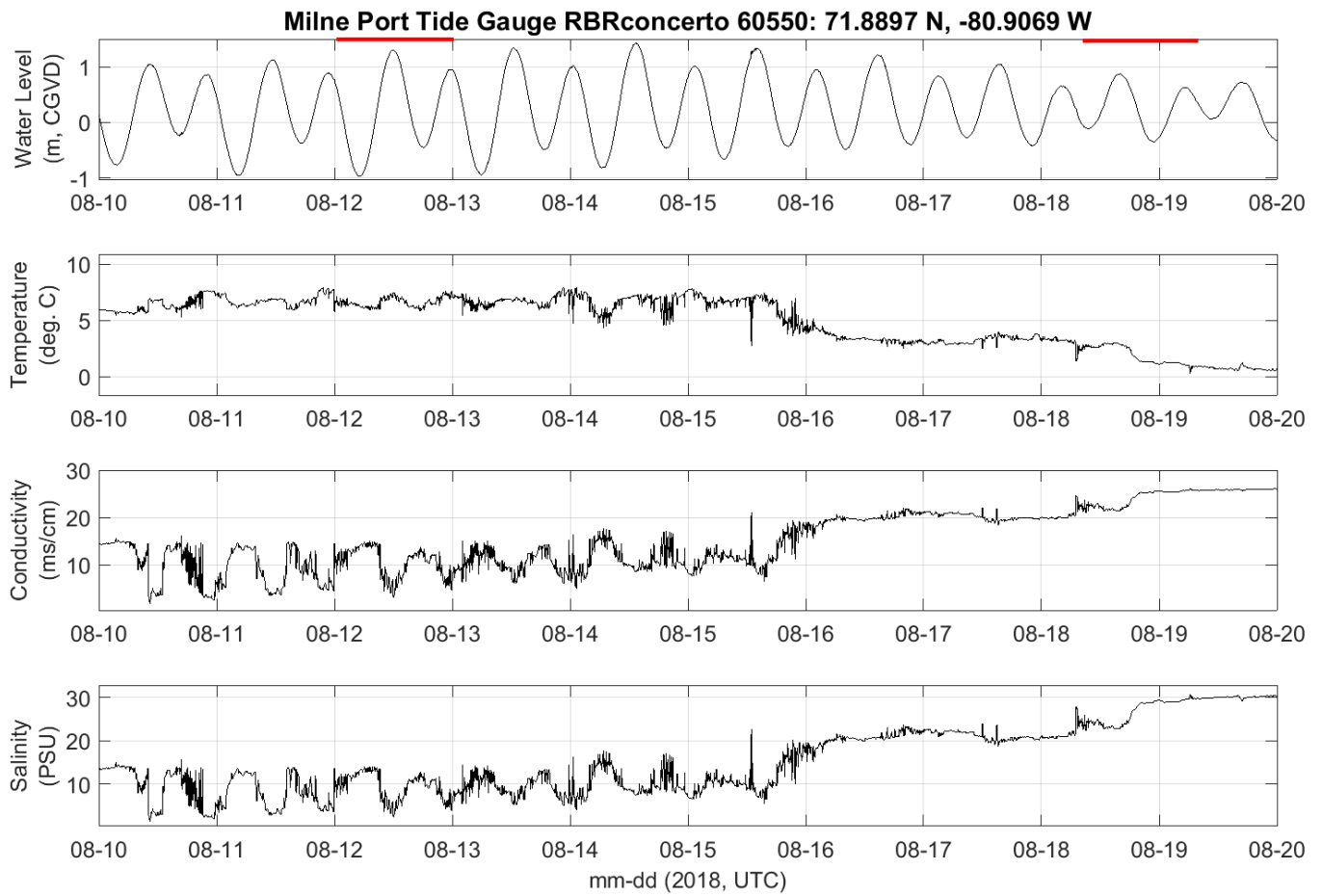


Figure 27: Time series of water level, temperature, conductivity, and salinity measured at Milne Port Tide Gauge by the RBRconcerto CTD from August 10 to August 20, 2018 in UTC. The red lines indicate periods when ore vessels were berthed adjacent to the tide gauge.

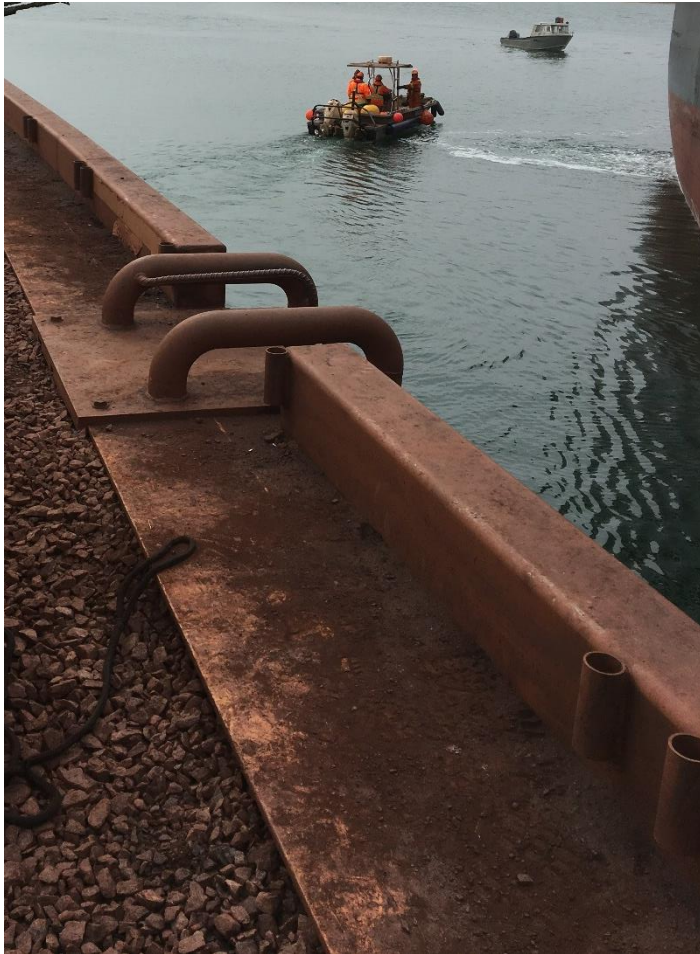


Figure 28: Ballast water release adjacent to the ore dock ladder and RBR on August 03, 2018 at 16:00 UTC.

4.0 DATA DELIVERABLE

In addition to this report, Golder is issuing the oceanographic data that was processed and quality checked following the methods described in Section 2.0. The data are provided as text files. All dates and times are reported in UTC time. The data include the following files:

Bruce Head Mooring

- 'BruceHeadMooring_RBRduo_61586_Header&Data.txt'
- 'BruceHeadMooring_300kHz_ADCP_21735_InstrumentParameters.txt'
- 'BruceHeadMooring_600kHz_ADCP_21100_InstrumentParameters.txt'
- 'BruceHeadMooring_300kHz_600kHz_ADCP_Bindepth.txt'
- 'BruceHeadMooring_300kHz_600kHz_ADCP_EAA.txt'
- 'BruceHeadMooring_300kHz_600kHz_ADCP_CurrentDirection.txt'
- 'BruceHeadMooring_300kHz_600kHz_ADCP_CurrentSpeed.txt'
- 'BruceHeadMooring_300kHz_600kHz_ADCP_VelocityEast.txt'
- 'BruceHeadMooring_300kHz_600kHz_ADCP_VelocityNorth.txt'

Milne Port 01 Mooring

- 'MilnePort01Mooring_SBE37_12345_Header&Data.txt'
- 'MilnePort01Mooring_300kHz_ADCP_10985_InstrumentParameters.txt'
- 'MilnePort01Mooring_300kHz_ADCP_Bindepth.txt'
- 'MilnePort01Mooring_300kHz_ADCP_EAA.txt'
- 'MilnePort01Mooring_300kHz_ADCP_CurrentDirection.txt'
- 'MilnePort01Mooring_300kHz_ADCP_CurrentSpeed.txt'
- 'MilnePort01Mooring_300kHz_ADCP_VelocityEast.txt'
- 'MilnePort01Mooring_300kHz_ADCP_VelocityNorth.txt'

Milne Port 02 Mooring

- 'MilnePort02Mooring_SBE37_12344_Header&Data.txt'
- 'MilnePort02Mooring_SBE37_11252_Header&Data.txt'

CTD Profiles

- 'BruceHead_CTD_Cast.txt'
- 'MilnePort01_CTD_Cast.txt'
- 'MilnePort02_CTD_Cast.txt'
- 'Site06_CTD_Cast.txt'
- 'Site07_CTD_Cast.txt'
- 'Site08_CTD_Cast.txt'
- 'Site09_CTD_Cast.txt'
- 'Site10_CTD_Cast.txt'

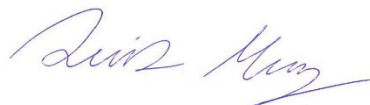
Milne Port Tide Gauge

- 'MilnePortTideGauge_SBE37_60550_Header&Data.txt'

5.0 CLOSURE

This report presents the results of the 2018 Physical Oceanographic Monitoring Program for Milne Inlet. We trust the information contained in this report is sufficient for your present needs. Should you have any additional questions regarding the project, please do not hesitate to contact the undersigned.

Golder Associates Ltd.



David Hurley, MASC, EIT
Coastal Specialist



Phil Osborne, PhD, PGeo
Principal, Senior Coastal Geomorphologist

DH/PO/lih

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6.0 REFERENCES

Golder 2018. Baffinland Iron Mines Corporation Mary River Project – Phase 2 Proposal. 1663724-076-R-Rev0- v 21000.

Golder 2017. Baffinland Milne Port Tide Gauge Data Collation – 2017 Ice Free Season.

APPENDIX A

Calibration Documents

RBR Conductivity Calibration Certificate

RBRduo C.T s/n: 61586

References: Autosal8400B#66289, MS-315#15506, SSW P160, RC#002

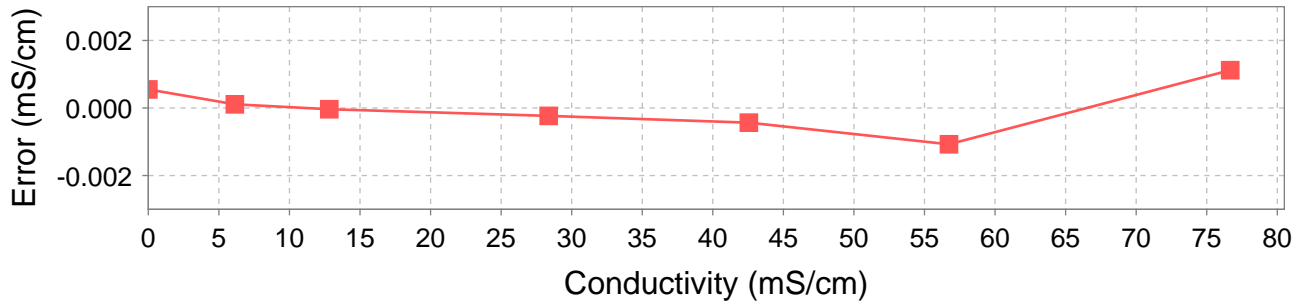
Reference Resistance (ohm)	Reference Conductivity (mS/cm)	Voltage Ratio, V	Measured Conductivity (mS/cm)	Calibration Error (mS/cm)	Coefficients	
open	0.0000	-0.000301	0.0005	0.0005	C0:	0.0485
694.020	6.1324	0.038236	6.1325	0.0001	C1:	159.1156
331.920	12.8224	0.080280	12.8223	-0.0000	X0:	0.000347
150.010	28.3714	0.178001	28.3712	-0.0002	X1:	-0.000006
100.014	42.5540	0.267133	42.5536	-0.0004	X2:	0.0000006
75.017	56.7341	0.356248	56.7330	-0.0011	X3:	15.0
55.514	76.6653	0.481523	76.6664	0.0011	X4:	10

$$C_{cor} = \frac{C_0 + C_1 * V - X_0 * (T - X_3)}{1 + X_1 * (T - X_3) + X_2 * (P - X_4)}$$

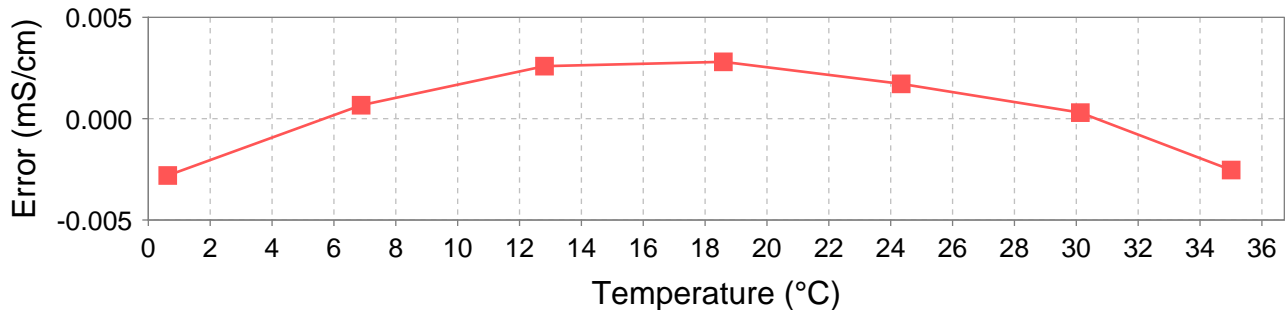
Bath	Voltage Ratio	Temperature (ITS-90)	Salinity (PSS-78)	Conductivity (mS/cm)
T15S35	0.2693411	14.97909	35.0072	42.9049
T25S35	0.3282111	24.22043	35.0102	52.2719

Cell Constant @T15S35 = 4.25600 1/cm

Calibration error vs. Conductivity



Calibration error vs. Temperature



Calibration Date: 23/May/2018
 Issue Date: 24/May/2018
 File Name: 061586_20180523_1612C.rsk

Operator: T. Akwethel
 takuetteh

Approver: S. Bucknor
 sbucknor

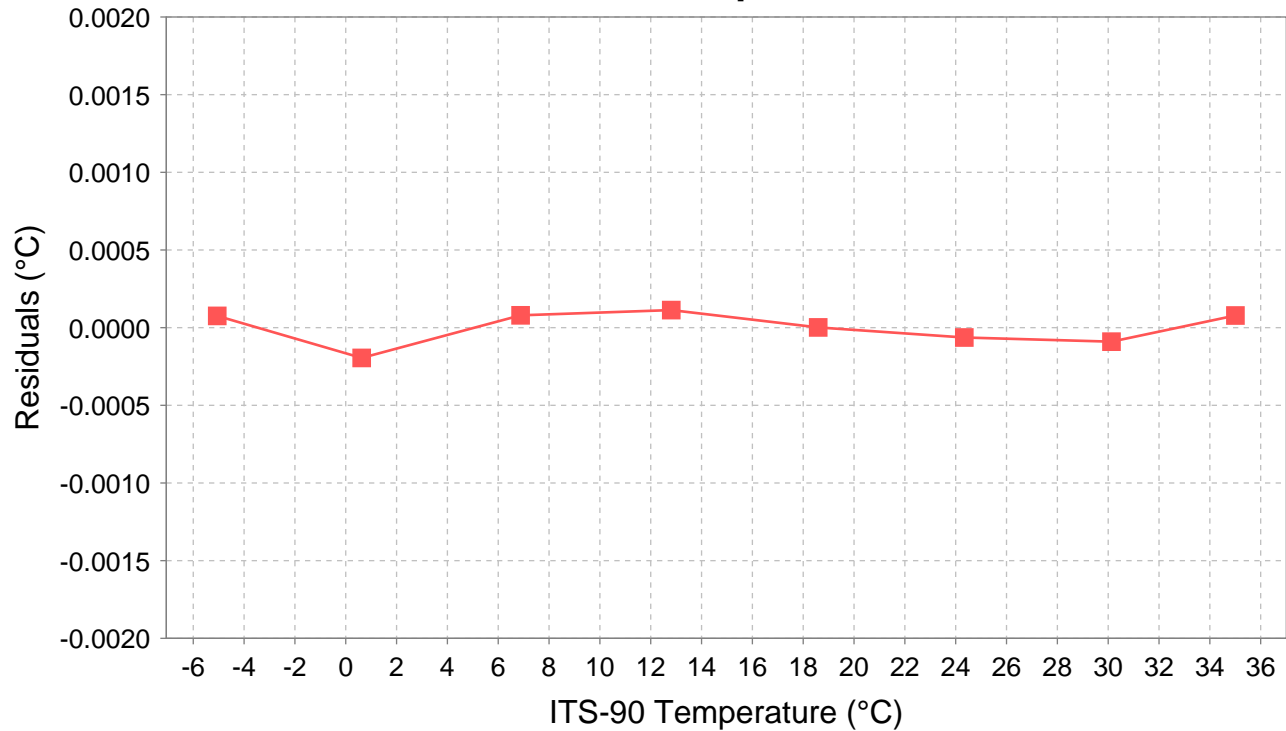


Temperature Calibration Certificate

Logger ID: RBRduo Serial No: 61586 Channel No: 2

Reference Temperature, ITS-90	Voltage ratio, V	Measured Temperature, ITS-90	Calibration error	Coefficients
-5.05630	0.693383	-5.05623	0.00008	C0: 0.003520825965266
0.62768	0.626105	0.62748	-0.00019	C1: -0.000254287204050
6.87991	0.549118	6.87999	0.00008	C2: 0.000002516023787
12.80822	0.476584	12.80834	0.00011	C3: -0.000000078325904
18.58925	0.409152	18.58925	0.00000	
24.33838	0.347395	24.33832	-0.00006	
30.12979	0.291802	30.12970	-0.00009	
35.00621	0.250536	35.00629	0.00008	

Residuals vs. Temperature



Calibration Date: 18/May/2018

Issue Date: 23/May/2018

Calibration ID: 26540

Operator:

T. Akwetteh

takuetteh

Approver:

S. Bucknor

sbucknor

Pressure Calibration Certificate

RBRconcerto C.T.D|fast6 s/n: 60550

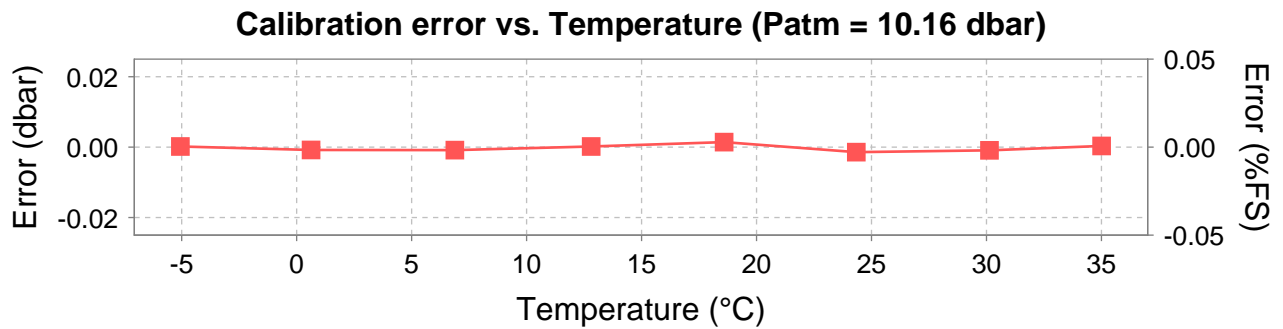
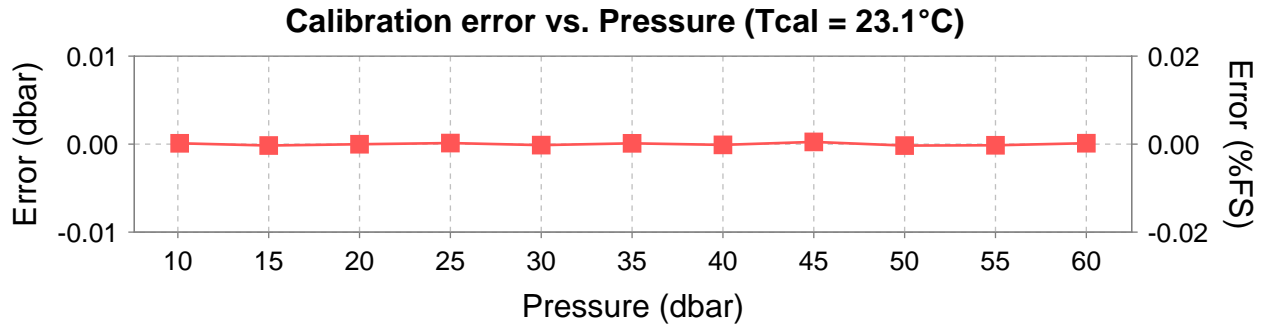
Sensor rating: 50 dbar s/n: H130848

Nominal accuracy: 0.05%FS (0.025 dbar)

Reference instrument: Mensor CPC6000 s/n: 612676

Applied pressure, P _{app} (dbar)	Voltage ratio, V	Measured pressure, P _{meas} (dbar)	Calibration error (dbar)	Coefficients
10.1001	0.055304	10.1002	0.0001	C0: -3.29715396
15.0001	0.075300	14.9999	-0.0002	C1: 244.89704285
20.0000	0.095703	20.0000	-0.0000	C2: 1.31437155
25.0000	0.116104	25.0001	0.0001	C3: -2.58778200
30.0000	0.136503	29.9999	-0.0001	X0(Patm): 10.100
35.0000	0.156902	35.0001	0.0001	X1: 0.01918464
40.0001	0.177300	40.0000	-0.0001	X2: 0.00008026
45.0001	0.197700	45.0004	0.0003	X3: 0.00000036
50.0000	0.218097	49.9998	-0.0002	X4: 0.00021423
54.9999	0.238497	54.9998	-0.0001	X5(Tcal): 23.1
60.0000	0.258901	60.0001	0.0001	

$$P_{meas} = C_0 + C_1 \cdot V + C_2 \cdot V^2 + C_3 \cdot V^3 \quad P_{icor} = X_0 + \frac{P_{meas} - X_0 - X_1(T - X_5) - X_2(T - X_5)^2 - X_3(T - X_5)^3}{1 + X_4(T - X_5)} \quad \text{Head (mm)} = 150$$



Calibration Date: 24/May/2018
 Issue Date: 24/May/2018
 File Name: 060550_20180524_1554P.rsk

Operator: T. Akwethel
 takuetteh

Approver: S. Bucknor
 sbucknor

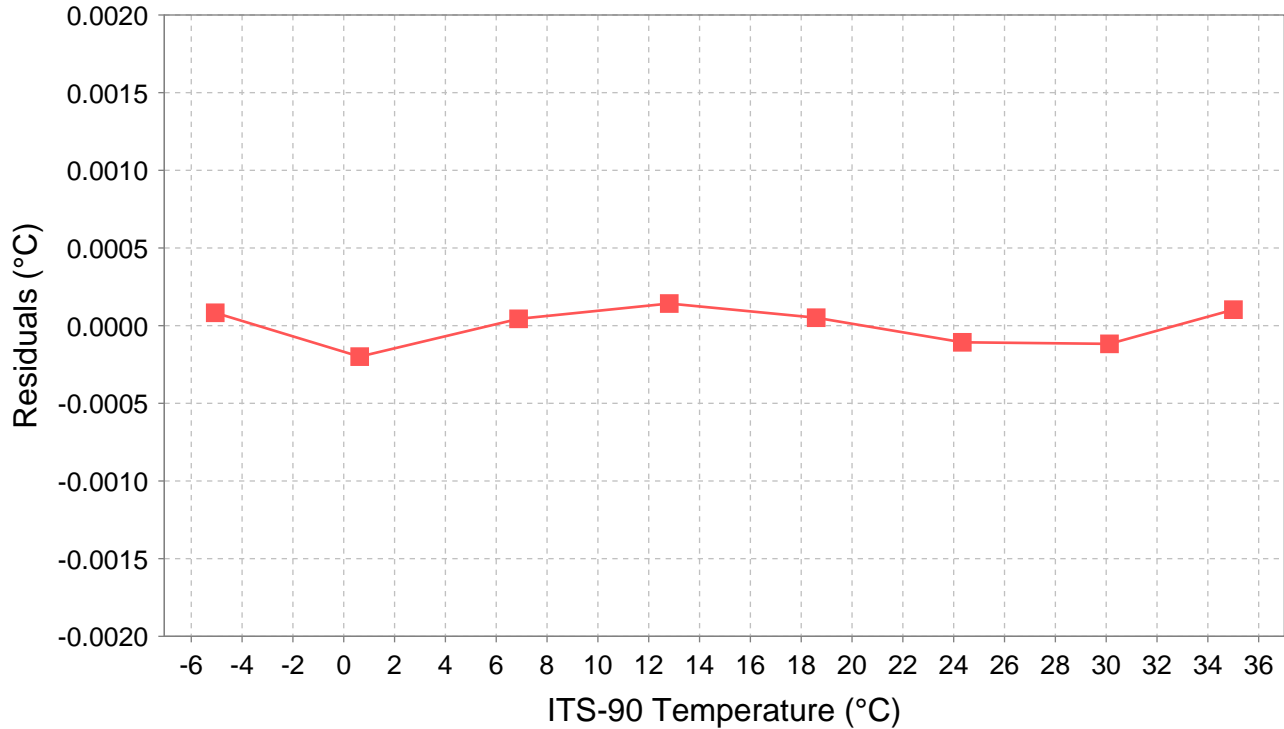


Temperature Calibration Certificate

Logger ID: RBRconcerto Serial No: 60550 Channel No: 2

Reference Temperature, ITS-90	Voltage ratio, V	Measured Temperature, ITS-90	Calibration error	Coefficients
-5.05628	0.818309	-5.05620	0.00008	C0: 0.003342607509750
0.62768	0.769899	0.62748	-0.00020	C1: -0.000253720303191
6.87991	0.709462	6.87995	0.00004	C2: 0.000002331000046
12.80820	0.646827	12.80834	0.00014	C3: -0.000000093466584
18.58928	0.582831	18.58933	0.00005	
24.33838	0.518572	24.33827	-0.00011	
30.12978	0.455390	30.12967	-0.00012	
35.00621	0.404769	35.00631	0.00010	

Residuals vs. Temperature



Calibration Date: 18/May/2018

Issue Date: 23/May/2018

Calibration ID: 26537

Operator:

T. Akwetteh

takuetteh

Approver:

S. Bucknor

sbucknor

RBR Conductivity Calibration Certificate

RBRconcerto C.T.D|fast6 s/n: 60550

References: Autosal8400B#66289, MS-315#15506, SSW P160, RC#002

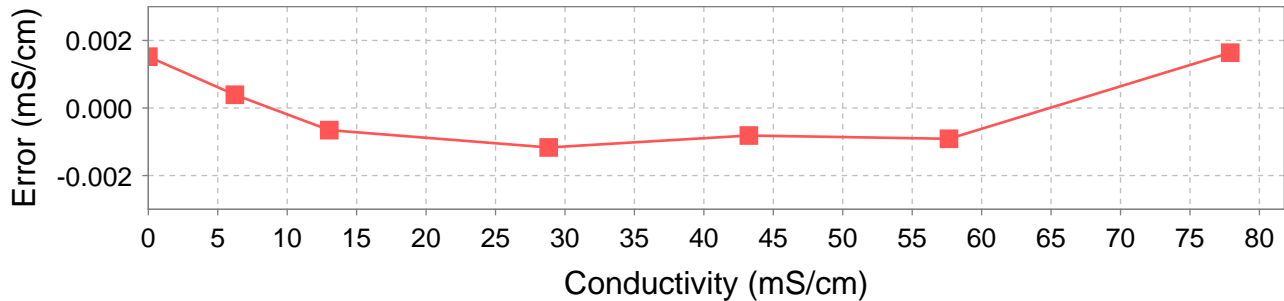
Reference Resistance (ohm)	Reference Conductivity (mS/cm)	Voltage Ratio, V	Measured Conductivity (mS/cm)	Calibration Error (mS/cm)	Coefficients	
open	0.0000	-0.000169	0.0015	0.0015	C0:	0.0284
694.020	6.2311	0.039072	6.2315	0.0004	C1:	158.7600
331.920	13.0288	0.081883	13.0281	-0.0007	X0:	0.000346
150.010	28.8282	0.181398	28.8270	-0.0012	X1:	-0.000015
100.014	43.2391	0.272172	43.2383	-0.0008	X2:	0.0000006
75.017	57.6476	0.362927	57.6466	-0.0009	X3:	15.0
55.514	77.8996	0.490507	77.9012	0.0016	X4:	10

$$C_{cor} = \frac{C_0 + C_1 * V - X_0 * (T - X_3)}{1 + X_1 * (T - X_3) + X_2 * (P - X_4)}$$

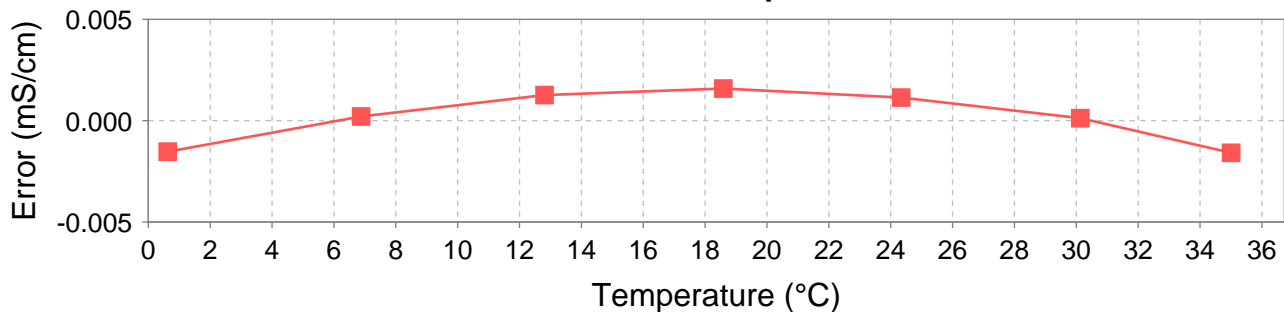
Bath	Voltage Ratio	Temperature (ITS-90)	Salinity (PSS-78)	Conductivity (mS/cm)
T15S35	0.2702672	15.01069	35.0072	42.9360
T25S35	0.3298043	24.34064	35.0064	52.3920

Cell Constant @T15S35 = 4.32452 1/cm

Calibration error vs. Conductivity



Calibration error vs. Temperature



Calibration Date: 28/May/2018
 Issue Date: 28/May/2018
 File Name: 060550_20180528_1413C.rsk

Operator: T. Akwethel
 takuetteh

Approver: S. Bucknor
 sbucknor



Sea-Bird Scientific
 13431 NE 20th Street
 Bellevue, WA 98005
 USA

+1 425-643-9866
 seabird@seabird.com
 www.seabird.com

SENSOR SERIAL NUMBER: 11252
 CALIBRATION DATE: 08-Jun-18

SBE 37 V2 CONDUCTIVITY CALIBRATION DATA
 PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -9.761750e-001 CPcor = -9.5700e-008
 h = 1.388766e-001 CTcor = 3.2500e-006
 i = -1.732387e-004 WBOTC = -6.2809e-008
 j = 3.225712e-005

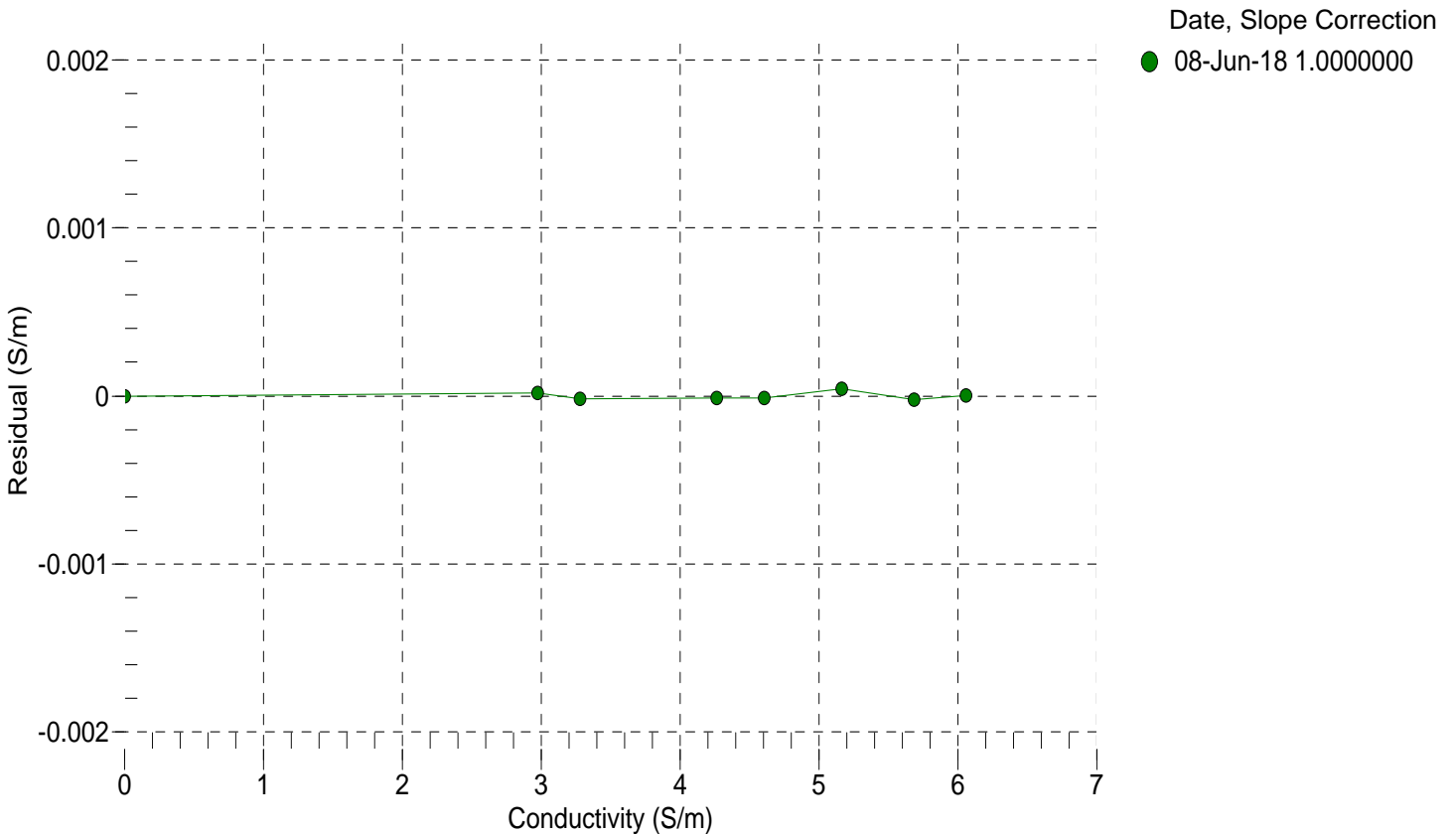
BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (Hz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
22.0000	0.0000	0.00000	2653.47	0.00000	0.00000
1.0000	34.8031	2.97494	5334.05	2.97496	0.00002
4.5000	34.7834	3.28193	5536.67	3.28191	-0.00002
15.0000	34.7409	4.26334	6139.06	4.26333	-0.00001
18.4999	34.7316	4.60833	6336.95	4.60832	-0.00001
24.0000	34.7212	5.16604	6644.13	5.16609	0.00004
29.0000	34.7159	5.68772	6918.74	5.68770	-0.00002
32.5000	34.7118	6.05983	7107.99	6.05983	0.00000

$f = \text{Instrument Output(Hz)} * \text{sqrt}(1.0 + \text{WBOTC} * t) / 1000.0$

t = temperature (°C); p = pressure (decibars); $\delta = \text{CTcor}$; $\epsilon = \text{CPcor}$;

$\text{Conductivity (S/m)} = (g + h * f^2 + i * f^3 + j * f^4) / (1 + \delta * t + \epsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity





Sea-Bird Scientific
 13431 NE 20th Street
 Bellevue, WA 98005
 USA

+1 425-643-9866
 seabird@seabird.com
 www.seabird.com

SENSOR SERIAL NUMBER: 12344
 CALIBRATION DATE: 01-Jun-18

SBE 37 V2 CONDUCTIVITY CALIBRATION DATA
 PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -9.784640e-001 CPcor = -9.5700e-008
 h = 1.711911e-001 CTcor = 3.2500e-006
 i = -2.684323e-004 WBOTC = 3.4820e-008
 j = 5.277146e-005

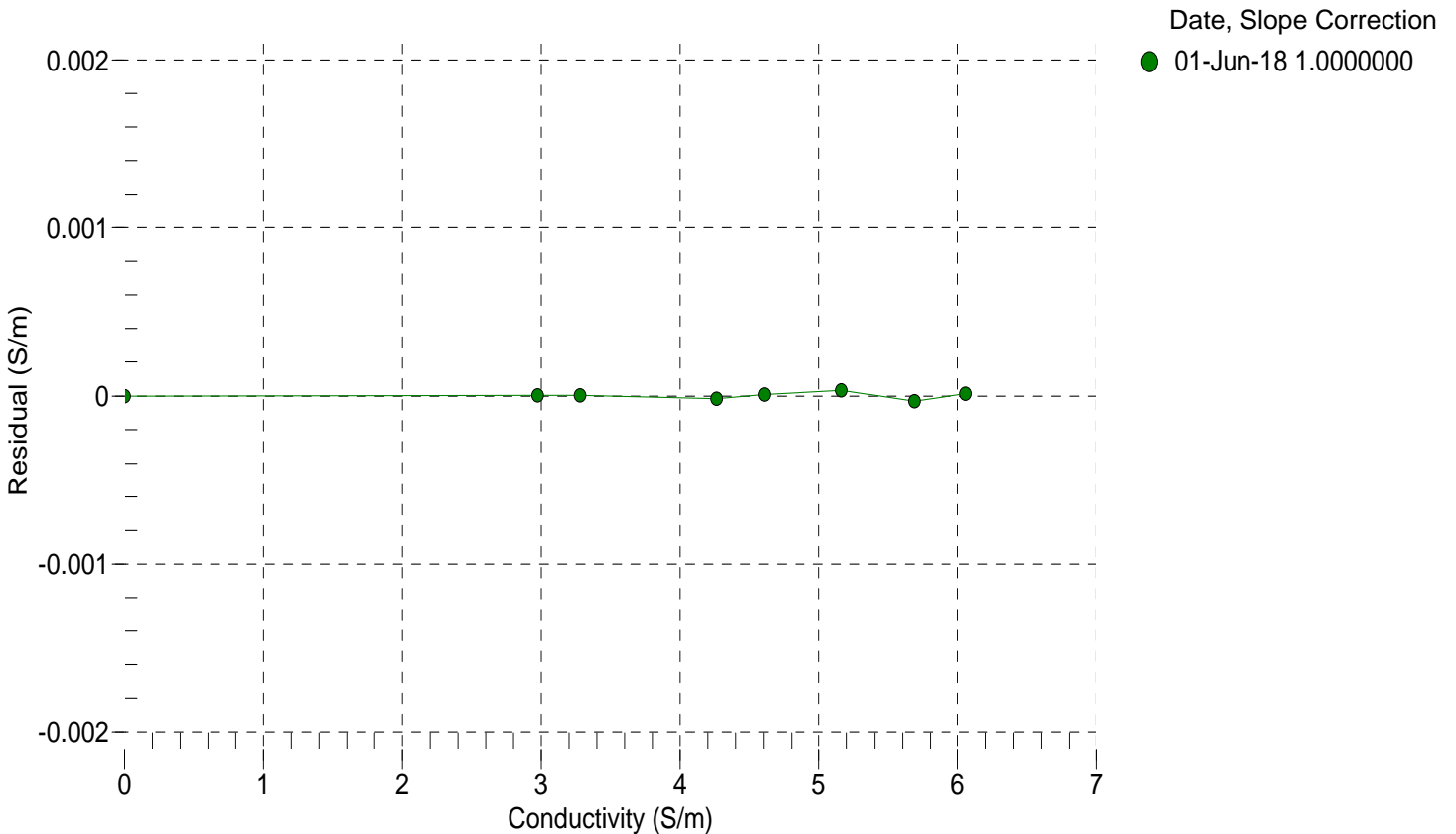
BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (Hz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
22.0000	0.0000	0.00000	2393.11	0.00000	0.00000
1.0000	34.8098	2.97546	4806.89	2.97546	0.00000
4.5000	34.7899	3.28248	4989.39	3.28248	0.00000
15.0000	34.7472	4.26403	5531.86	4.26401	-0.00002
18.4999	34.7378	4.60907	5710.08	4.60907	0.00001
24.0000	34.7273	5.16685	5986.68	5.16688	0.00003
29.0000	34.7217	5.68857	6233.95	5.68853	-0.00003
32.5000	34.7178	6.06075	6404.38	6.06076	0.00001

$f = \text{Instrument Output(Hz)} * \text{sqrt}(1.0 + \text{WBOTC} * t) / 1000.0$

t = temperature (°C); p = pressure (decibars); $\delta = \text{CTcor}$; $\epsilon = \text{CPcor}$;

$\text{Conductivity (S/m)} = (g + h * f^2 + i * f^3 + j * f^4) / (1 + \delta * t + \epsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity





Sea-Bird Scientific
 13431 NE 20th Street
 Bellevue, WA 98005
 USA

+1 425-643-9866
 seabird@seabird.com
 www.seabird.com

SENSOR SERIAL NUMBER: 12345
 CALIBRATION DATE: 08-Jun-18

SBE 37 V2 CONDUCTIVITY CALIBRATION DATA
 PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -9.790813e-001 CPcor = -9.5700e-008
 h = 1.715394e-001 CTcor = 3.2500e-006
 i = -2.720936e-004 WBOTC = 0.0000e+000
 j = 4.919215e-005

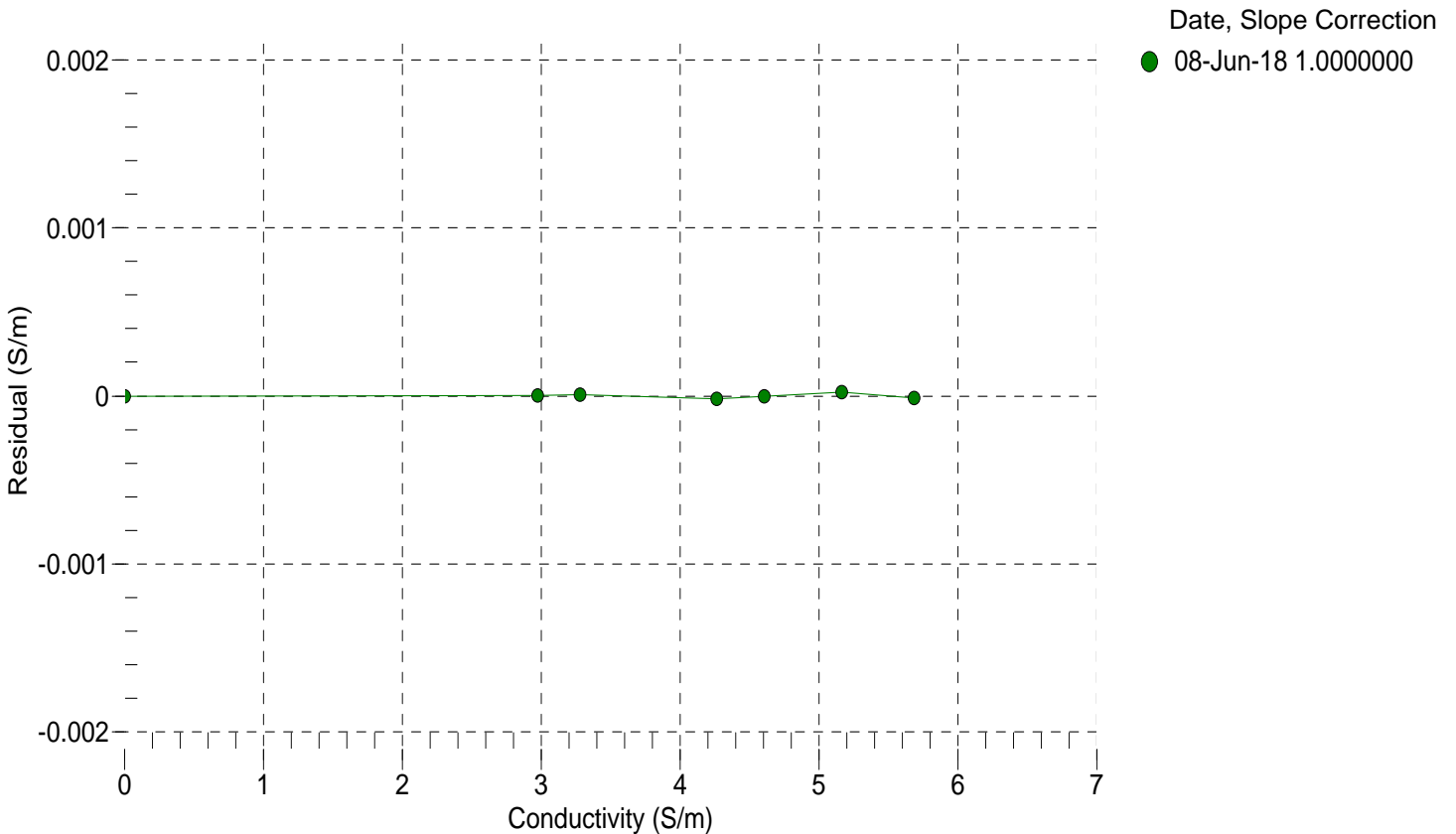
BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (Hz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
22.0000	0.0000	0.00000	2391.64	0.00000	0.00000
1.0000	34.8031	2.97494	4803.48	2.97494	0.00000
4.5000	34.7834	3.28193	4985.93	3.28193	0.00001
15.0000	34.7409	4.26334	5528.32	4.26332	-0.00002
18.4999	34.7316	4.60833	5706.53	4.60833	-0.00000
24.0000	34.7212	5.16604	5983.15	5.16606	0.00002
29.0000	34.7159	5.68772	6230.50	5.68771	-0.00001
32.5000	34.7118	6.05983	6400.98	6.05992	0.00009

$f = \text{Instrument Output(Hz)} * \text{sqrt}(1.0 + \text{WBOTC} * t) / 1000.0$

t = temperature (°C); p = pressure (decibars); $\delta = \text{CTcor}$; $\epsilon = \text{CPcor}$;

$\text{Conductivity (S/m)} = (g + h * f^2 + i * f^3 + j * f^4) / (1 + \delta * t + \epsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity





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 USA

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 seabird@seabird.com
 www.seabird.com

SENSOR SERIAL NUMBER: 11252
 CALIBRATION DATE: 25-May-18

SBE 37 V2 PRESSURE CALIBRATION DATA
 160 psia S/N 3906061

COEFFICIENTS:

PA0 =	2.690688e-002	PTCA0 =	5.259889e+005
PA1 =	5.071149e-004	PTCA1 =	2.022164e+000
PA2 =	-3.287246e-012	PTCA2 =	1.385508e-002
PTEMPA0 =	-6.712914e+001	PTCB0 =	2.512175e+001
PTEMPA1 =	5.239464e-002	PTCB1 =	-5.000000e-005
PTEMPA2 =	-6.444972e-007	PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

THERMAL CORRECTION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	THERMISTOR OUTPUT (volts)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	TEMP (°C)	THERMISTOR OUTPUT (volts)	INSTRUMENT OUTPUT (counts)
14.62	554752.0	1750.0	14.58	-0.02	32.50	1948	556312.70
29.80	584808.0	1756.0	29.82	0.01	29.00	1878	556288.21
59.74	643996.0	1756.0	59.80	0.04	24.00	1778	556271.45
94.84	713170.0	1756.0	94.81	-0.02	18.50	1669	556266.01
124.84	772514.0	1755.0	124.82	-0.01	15.00	1599	556265.65
159.84	841854.0	1755.0	159.86	0.02	4.50	1391	556238.49
124.84	772534.0	1756.0	124.83	-0.00	1.00	1322	556220.52
94.85	713195.0	1756.0	94.82	-0.01			
59.85	644069.0	1759.0	59.84	-0.01	TEMPERATURE (°C)	SPAN	
29.80	584853.0	1759.0	29.84	0.03	-5.00	25.12	
14.62	554756.0	1761.0	14.59	-0.02	35.00	25.12	

y = thermistor output (counts)

$$t = PTEMPA0 + PTEMPA1 * y + PTEMPA2 * y^2$$

$$x = \text{instrument output} - PTCA0 - PTCA1 * t - PTCA2 * t^2$$

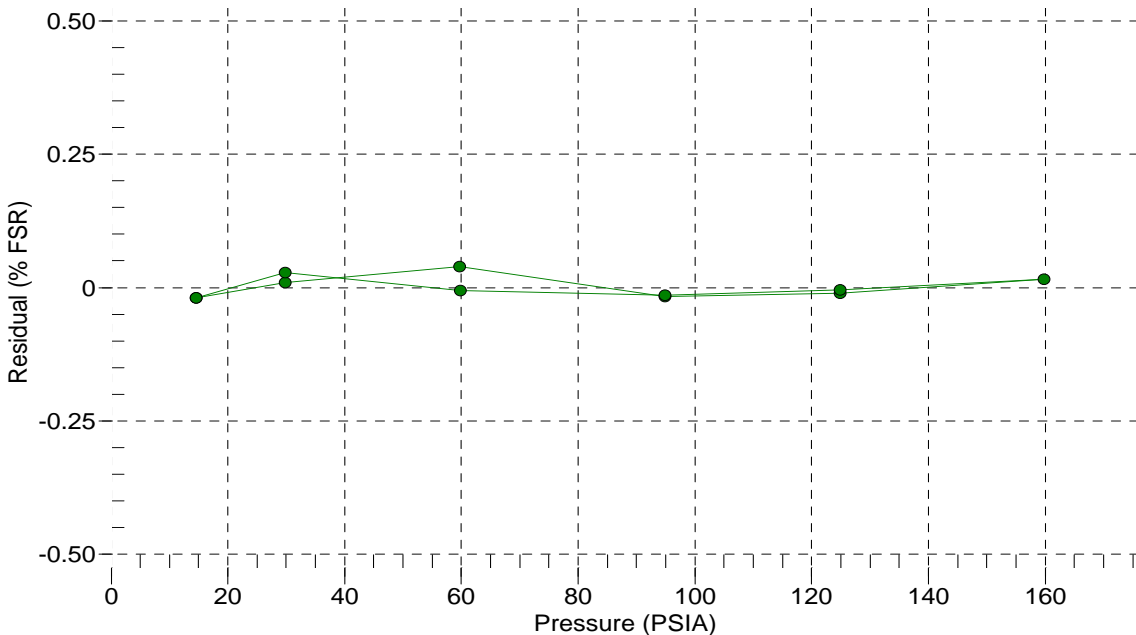
$$n = x * PTCB0 / (PTCB0 + PTCB1 * t + PTCB2 * t^2)$$

$$\text{pressure (PSIA)} = PA0 + PA1 * n + PA2 * n^2$$

$$\text{Residual (\%FSR)} = (\text{computed pressure} - \text{true pressure}) * 100 / \text{Full Scale Range}$$

Date, Offset (%FSR)

● 25-May-18 0.00





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+1 425-643-9866
 seabird@seabird.com
 www.seabird.com

SENSOR SERIAL NUMBER: 11252
 CALIBRATION DATE: 08-Jun-18

SBE 37 V2 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

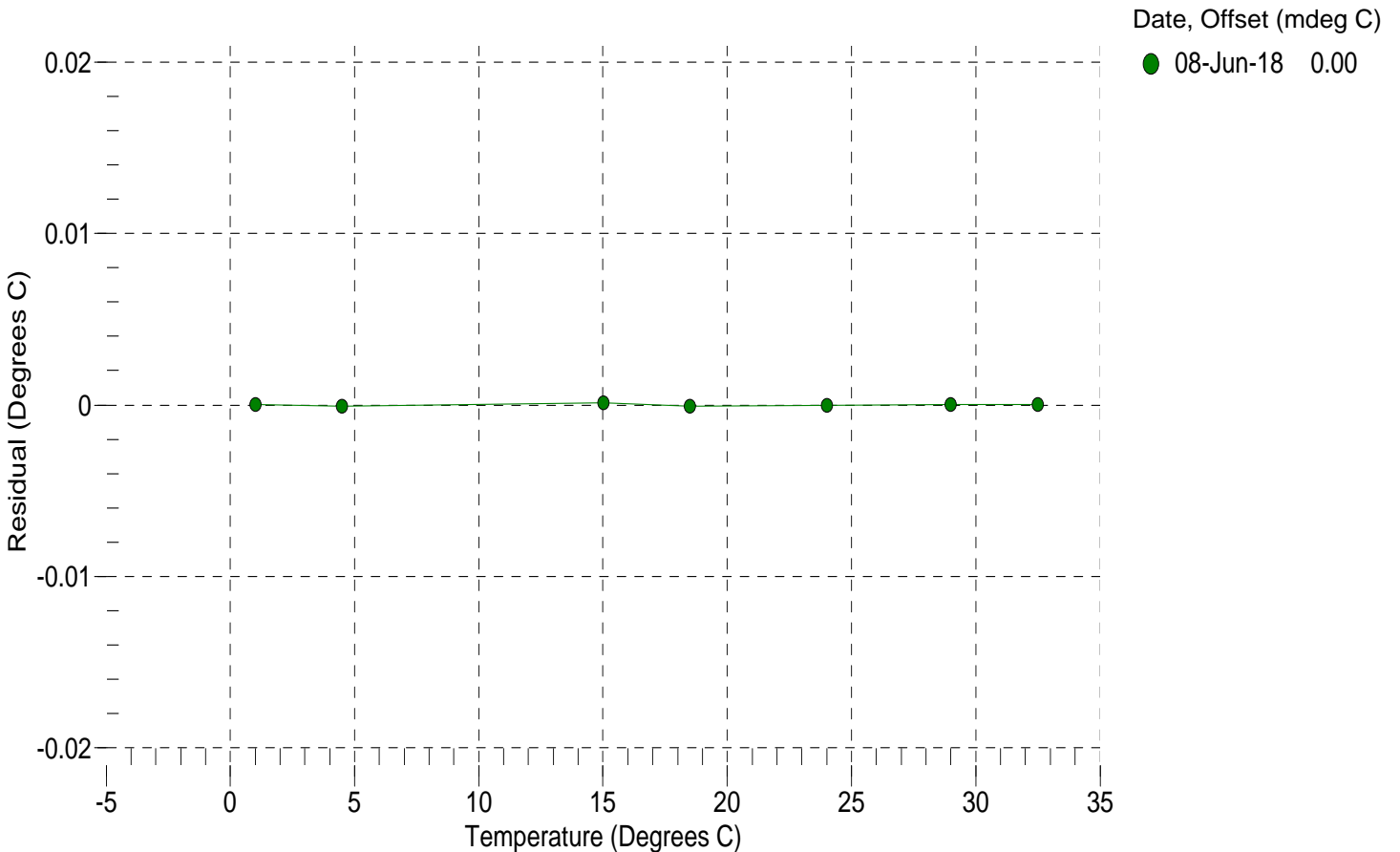
a0 = -8.791366e-005
 a1 = 3.060765e-004
 a2 = -4.565337e-006
 a3 = 2.030932e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	586049.2	1.0000	0.0000
4.5000	500593.0	4.4999	-0.0001
15.0000	318210.3	15.0001	0.0001
18.4999	275335.2	18.4998	-0.0001
24.0000	220648.9	24.0000	-0.0000
29.0000	181535.0	29.0000	0.0000
32.5000	158892.7	32.5000	0.0000

n = Instrument Output (counts)

$$\text{Temperature ITS-90 (°C)} = 1 / \{ a_0 + a_1[\ln(n)] + a_2[\ln^2(n)] + a_3[\ln^3(n)] \} - 273.15$$

Residual (°C) = instrument temperature - bath temperature





Sea-Bird Scientific
 13431 NE 20th Street
 Bellevue, WA 98005
 USA

+1 425-643-9866
 seabird@seabird.com
 www.seabird.com

SENSOR SERIAL NUMBER: 12344
 CALIBRATION DATE: 01-Jun-18

SBE 37 V2 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

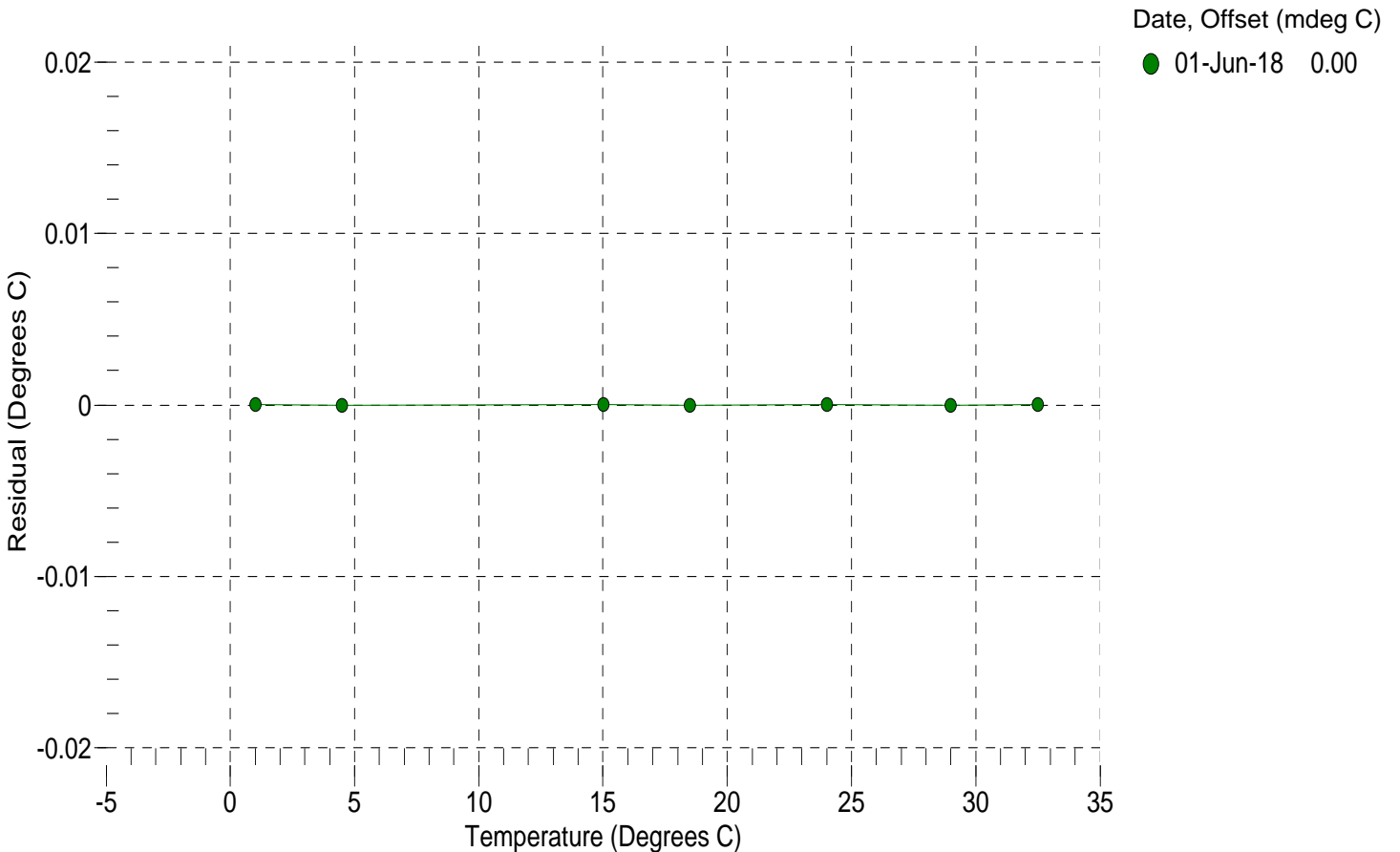
a0 = -8.215480e-005
 a1 = 3.029415e-004
 a2 = -4.212222e-006
 a3 = 1.935234e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	578134.3	1.0000	0.0000
4.5000	494120.6	4.5000	-0.0000
15.0000	314645.9	15.0000	0.0000
18.4999	272404.8	18.4999	-0.0000
24.0000	218492.8	24.0000	0.0000
29.0000	179903.2	29.0000	-0.0000
32.5000	157549.1	32.5000	0.0000

n = Instrument Output (counts)

$$\text{Temperature ITS-90 (°C)} = 1 / \{ a_0 + a_1[\ln(n)] + a_2[\ln^2(n)] + a_3[\ln^3(n)] \} - 273.15$$

Residual (°C) = instrument temperature - bath temperature





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SENSOR SERIAL NUMBER: 12345
 CALIBRATION DATE: 08-Jun-18

SBE 37 V2 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

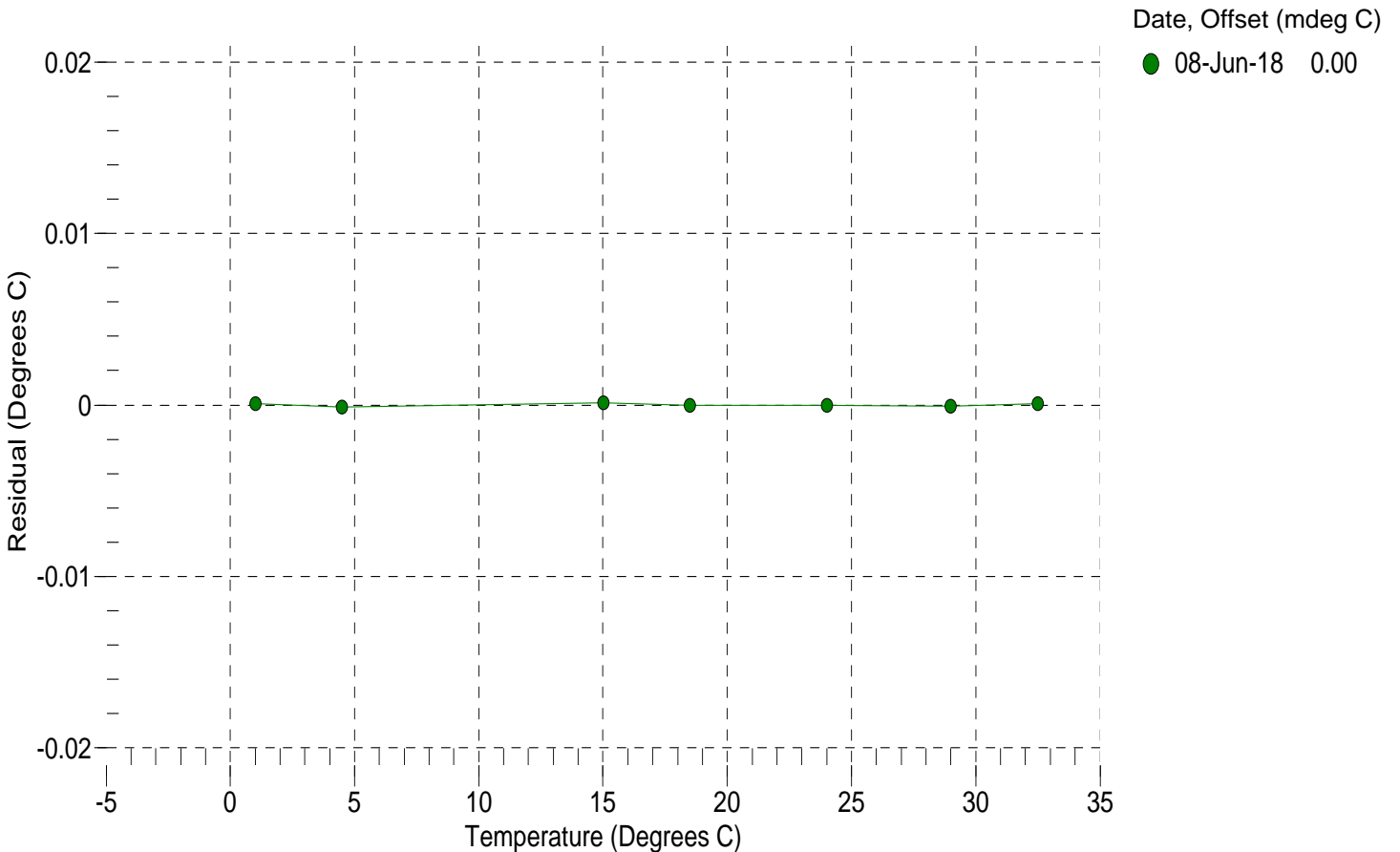
a0 = -8.984541e-005
 a1 = 3.014890e-004
 a2 = -4.044746e-006
 a3 = 1.921871e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	579313.6	1.0001	0.0001
4.5000	495735.1	4.4999	-0.0001
15.0000	316757.9	15.0001	0.0001
18.4999	274529.7	18.4999	-0.0000
24.0000	220556.2	24.0000	-0.0000
29.0000	181858.9	28.9999	-0.0001
32.5000	159412.7	32.5001	0.0001

n = Instrument Output (counts)

$$\text{Temperature ITS-90 (°C)} = 1 / \{ a_0 + a_1[\ln(n)] + a_2[\ln^2(n)] + a_3[\ln^3(n)] \} - 273.15$$

Residual (°C) = instrument temperature - bath temperature



APPENDIX B

Tide Gauge Installation Instructions

MILNE PORT TIDE GAUGE INSTALLATION AND RECOVERY INSTRUCTIONS

Golder Associates Ltd. (Golder) was retained by Baffinland in 2018 to re-install the tide gauge, an RBR concerto CTD, first deployed in 2017 at Milne Port to provide water level monitoring on-site during the open-water season (typically July to October) of 2018. The objective of this technical memorandum is to provide installation instructions for the tide gauge at Milne Port and itemize the necessary consumables for installation.

1.0 ALUMINUM MOUNTING SYSTEM OVERVIEW

The tide gauge is housed inside a 26-inch long aluminum square tube (4-inch diameter) to provide protection from vessels and reduce wind and wave effects. The aluminum square tube is mounted to the ladder with two steel L brackets that will be welded to the side of the bottom of the steel ladder located on the ore dock (Figure 1).

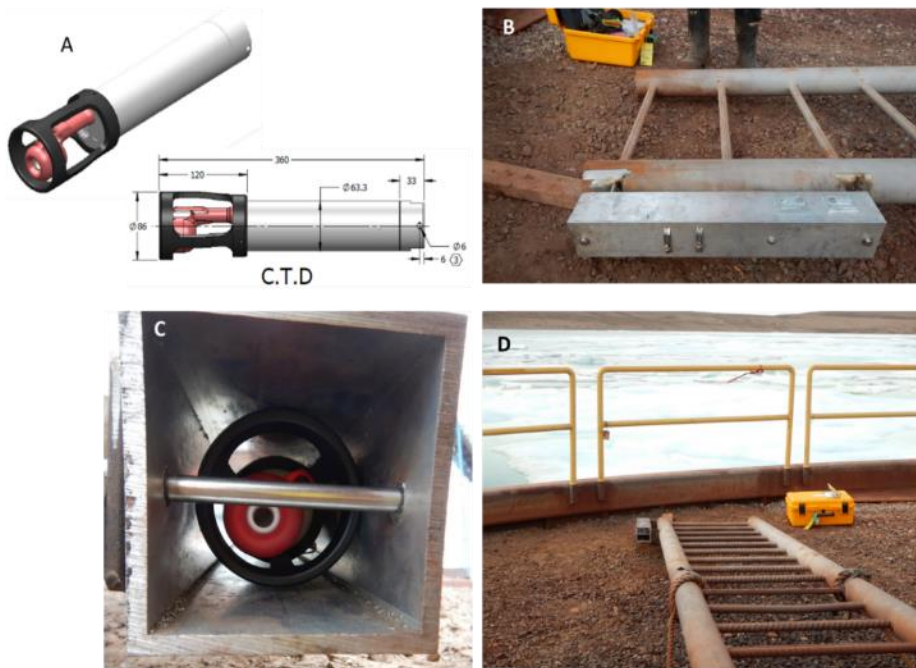


Figure 1: Overview of tide gauge installation

2.0 TIDE GAUGE INSTALLATION

Step 1) Two 1/4" diameter holes need to be drilled in the aluminum tube. These holes will be used to add a length of 3mm 316 stainless steel wire rope as redundant security against a hardware failure (Figure 2). On the outside of the aluminum tube two zinc anodes should be replaced with new anodes and secured with one stainless steel bolt (316 stainless 1/2" x 1") per anode (Figure 5).



Figure 2: Hardware attaching aluminum tube to steel L brackets and wire rope for redundancy of the L bracket attachments

Step 2) The tide gauge (RBR concerto – white Delrin cylinder) should be mounted inside the aluminum square tube with one stainless steel bolt (316 stainless 1/4" x 4 1/2"), washer, nylon shoulder washer, lock nut (Figure 3) and two stainless steel hose clamps wrapping around the tide gauge body, using caution to not overtighten against the plastic housing. The bolt should be passed through the hole on the end cap of the tide gauge, making sure not to twist the end cap in the process, and secured to the square tube with nylon shoulder washers inserted in the drilled holes on the aluminium square tube (Figure 5).



Figure 3: Hardware attaching aluminum tube to L brackets and view of the tide gauge mounted in the tube. Arrow shows location of the 1/4" bolt that should pass through the end cap of the tide gauge.



Figure 4: Hardware attaching aluminum tube to L brackets and view of the tide gauge mounted in the tube. Arrow shows location of the 1/4" bolt that should pass through the end cap of the tide gauge.

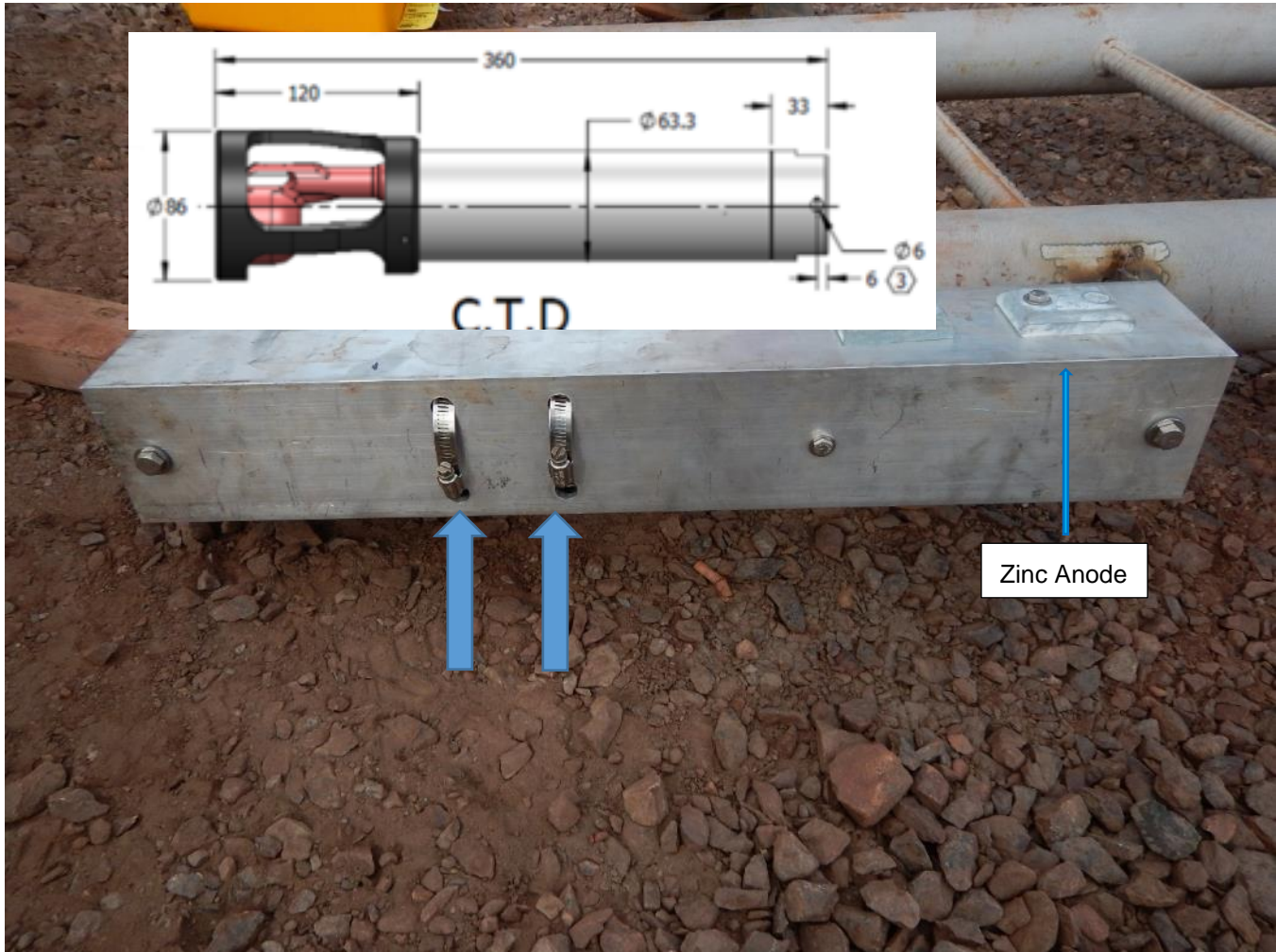


Figure 5: Hardware attaching tide gauge to tube. Arrows show the location of the hose clamps which mount the tide gauge to the square tube and the zinc anodes.

Step 3)

The aluminum square tube is mounted to the ladder at two steel L brackets that are welded to the side of the bottom of the steel ladder located on the ore dock. The tide gauge should be mounted such that the red and black end cap is pointing downwards towards the sea bed. The integrity of the welds on the ladder should be inspected before mounting the square tube. Mount the aluminum tube to the L brackets with stainless steel bolts (316 stainless 3/8" x 5"), washers, nylon shoulder washers, lock washers and lock nuts (Figure 6).

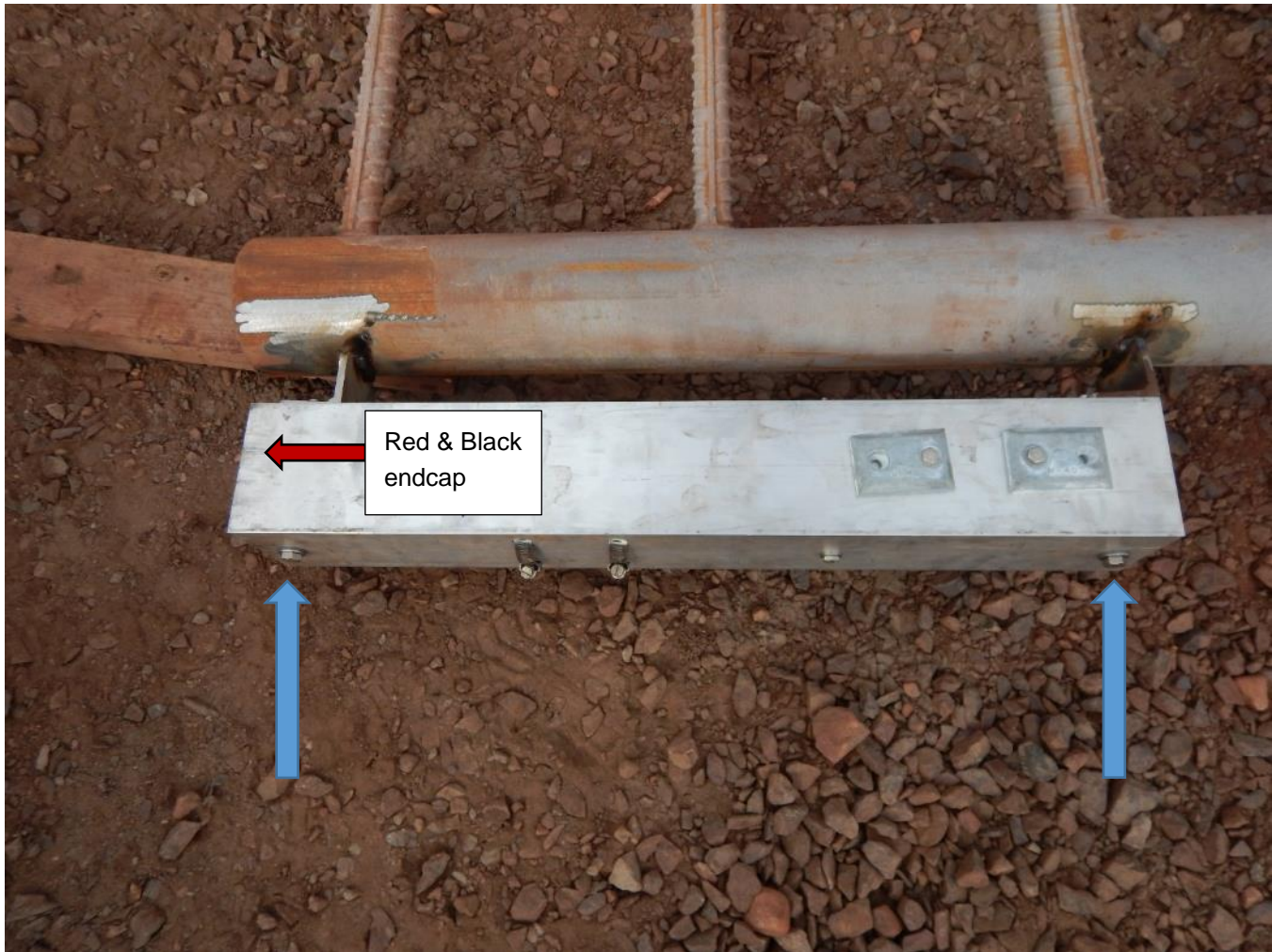


Figure 6: Aluminum square tube mounted to the bottom of the steel ladder located at the ore dock. Arrows show location of mounting bolts which attach the square tube to the welding tabs on the steel ladder.

Step 4)

Add a length of 3mm 316 stainless steel wire rope passed through the two holes on the square tube, and around the bottom ladder rung, and join wire rope together with 2 wire rope clips (1/8" stainless steel). This is to provide a redundant mounting system (Figure 2).

Step 5)

Take photos during each step of the installation process for documentation purposes and provide a record of hardware used and any changes to the above steps.

Step 6)

In 2018 the elevation and position of the ladder was surveyed using five survey points measured from an RTK GPS system. The following table provides the survey position and elevation of the pressure sensor in 2018. The pressure sensor is located behind the plastic sensor cover on the downward facing end of the instrument (Figure 7). The distance from the bottom of the aluminum tube to a point at the top plate of the ladder and from the pressure sensor to a point at the top plate of the ladder was measured as 6.57 m and 6.42 m in 2018, respectively.

An RTK GPS survey will need to be conducted in 2019 to reference the steel ladder top plate and provide a reference for instrument to chart datum. Additionally, the distance from the pressure sensor to the ladder top plate and from the bottom of the aluminum tube to the ladder top plate should be measured.

Table 1: RTK GPS survey 2018

Northing	Easting	Ladder Top Plate Elevation (m, CGVD)	Tide Gauge Elevation (m, CGVD) ¹
7976633.252	503227.211	3.505	-2.915
7976633.246	503227.205	3.516	-2.904
7976633.242	503227.205	3.491	-2.93
7976633.241	503227.197	3.495	-2.925
7976633.268	503227.215	3.496	-2.924
Average Elevation		3.501	-2.920

Notes:
CGVD=Canadian Geodetic Vertical Datum; ¹Distance from the tide gauge pressure sensor to the surveyed steel ladder top plate is 6.42 m

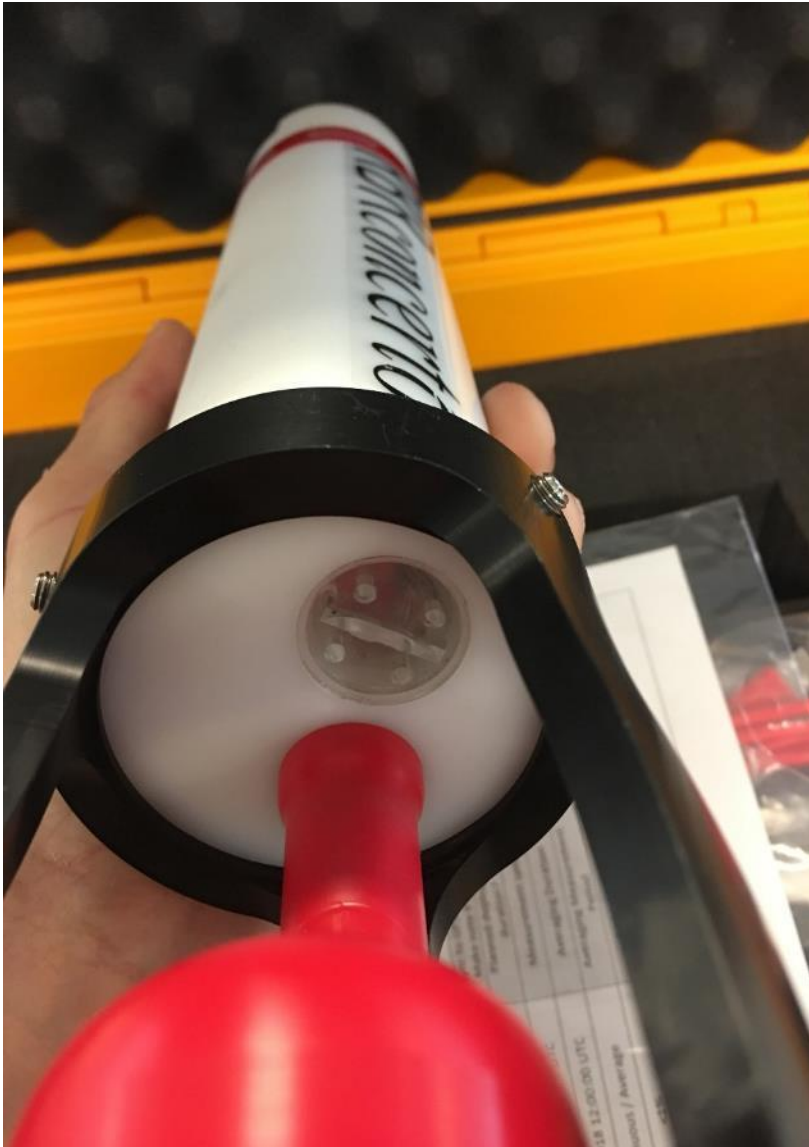


Figure 7: Pressure sensor location on the downward facing end of the tide gauge



Figure 8: RTK GPS survey conducted in 2018

3.0 HARDWARE LIST

The following is a list of necessary hardware to complete the tide gauge installation:

Item Description	Quantity
26" aluminum square tube	1
Stainless steel L-brackets	2
316 stainless steel hex bolt 5" - 3/8"	2
316 stainless steel lock nut 3/8"	2
316 stainless steel lock washer 3/8"	2
316 stainless steel washer 3/8"	4
Nylon shoulder washer 3/8"	4
316 stainless steel hex bolt 4 1/2" - 1/4"	2
316 stainless steel lock nut 1/4"	2
316 stainless steel washer 1/4"	4

Item Description	Quantity
Nylon shoulder washer 1/4"	2
Zinc anode	2
316 stainless steel hex bolt 1" – 1/2"	2
316 stainless steel washer 1/2"	2
316 stainless steel lock nut 1/2"	2
316 stainless steel 1/2" band width hose clamps 2 9/16"-3 1/2" diameter	2
3mm 316 stainless steel wire rope	1 roll
1/8" stainless steel wire rope clip	2

4.0 TIDE GAUGE RECOVERY

Upon recovery of the tide gauge from the ore dock ladder the following steps should be done.

Step 1)

The distance from the tide gauge pressure sensor (Figure 7) and the bottom of the aluminum tube to the steel ladder top plate (Figure 8) should be recorded and accompanied by a photo of the measurements (i.e. a photo of the tape measure).

Step 2)

If determined applicable, data from the tide gauge should be downloaded using the computer software program Ruskin before shipping. The software program Ruskin can be obtained from <https://rbr-global.com/products/software>. The following steps should be followed when using Ruskin:

- Unscrew the tide gauge end cap to expose the USB port and battery compartment.
- Plug one end of the Apple 30 pin cable, found in the tide gauge box, into the tide gauge and the remaining end into the computer (Figure 9)
- Open the software program Ruskin. The instrument should appear in the Navigator tab under the subheading Instruments.
- Click on the Download tab and select "download". Save the .RSK file to a location on the local machine.
- Disconnect the USB cable from the logger and computer.
- Screw the tide gauge end cap back on.
- **DO NOT select stop logging or enable logging.**
- **DO NOT remove the batteries from the instrument.**



Figure 9: Apple 30 pin cable for tide gauge data download

APPENDIX C

**Data Deliverable (delivered
electronically)**

#	Document Name	Section Reference	Comment	Baffinland Response
8	2018 Milne Inlet Marine Environmental Effects Monitoring Program and Alien Invasive Species Monitoring Program	5.2.2. Benthic Infauna	<p><i>Pseudofabricia sp. Nr. Aberrans</i> was first observed in Milne Inlet in 2017 and is thought to be endemic to the Mediterranean. In 2018, this species was found at several of the sampled stations, which were not sampled previously. Baffinland states that this species cannot be identified as an AIS since it is unknown if this species was found in Milne Inlet previously and missed in previous surveys. What active management and monitoring measures are being done to see if this species does exist naturally in the Arctic and better address this knowledge gap?</p>	Independent taxonomic verification for this species was conducted by Philippe Archambault's Benthic Ecology Lab at Université Laval. This analysis indicated that the <i>P. sp. nr. aberrans</i> specimens collected in 2018 may actually have been <i>Manayunkia aesturiana</i> , a species which has a documented Arctic range.
9	2018 Milne Inlet Marine Environmental Effects Monitoring Program and Alien Invasive Species Monitoring Program	5.2.2 Benthic Infauna	<p>The amphipod <i>Monocorophium insidiosum</i> was first seen in 2017 and was identified again in 2018. Baffinland has previously stated that this species cannot be positively identified as an AIS due to uncertainties within its range. Again, what is Baffinland doing to address these gaps in species identification and their possible natural occurrences</p>	Independent taxonomic verification for this species was conducted by Philippe Archambault's Benthic Ecology Lab at Université Laval. This analysis indicated that the <i>M. insidiosum</i> specimens collected in 2017 and 2018 may actually have been <i>Crassikorophium bonelli</i> , a species which has a known range covering eastern North America and the northeastern Atlantic Ocean.

#	Document Name	Section Reference	Comment	Baffinland Response
			in the Arctic. Are any sites being proposed as a control site for AIS?	
10	<i>2018 Milne Inlet Marine Environmental Effects Monitoring Program and Alien Invasive Species Monitoring Program</i>	6.0 Conclusions and Recommendations	Results are not compared back to the thresholds established by Baffinland (FEIS 2013). These thresholds should be restated in each report and all results should be related back to this overall impact statements.	Indicator thresholds from the Final Environmental Impact Statement (FEIS) and FEIS Addendum (Baffinland 2012, 2013) are referenced in the revised report and related back to results.
11	<i>2018 Milne Inlet Marine Environmental Effects Monitoring Program and Alien Invasive Species Monitoring Program</i>	3.1.2 Sediment quality	It is stated that no large foreign objects were identified within sediment samples. Is there a specific threshold of size for an object to be counted as a large foreign object? Were foreign objects of any kind found within the sediment samples?	This statement related to general sediment collection methodology and refers to objects that have the potential to compromise the integrity of the collected sediment and benthic infaunal samples by either 1) preventing the sediment grab sampler to fully close during a sampling event, or 2) by occupying too much space in the grab sampler thus preventing collection of a sufficient sample volume. Foreign objects can be large pieces of debris, rocks, or anthropogenic debris, such as cables, fishing nets, metal parts, bottles or other household items.

#	Document Name	Section Reference	Comment	Baffinland Response
12	<i>2018 Milne Inlet Marine Environmental Effects Monitoring Program and Alien Invasive Species Monitoring Program</i>	3.1.3 Substrate, Macroflora, and Benthic Epifauna	It is great to see comments from previous MEEMP reviews being adapted into the monitoring program this past field season, such as the establishment of permanent belt-transects in the area.	Comment noted.
13	General comment re: <i>Marine Environmental Effects Monitoring Program and Alien Invasive Species Monitoring Program</i>	Entire program	Parks Canada would like to see this program expanded to monitor, and where required mitigate for effects of anchoring on bottom ecosystems to ensure no irreversible damage to the bottom from anchoring – e.g. data on how often, how many and how long ships are anchored, what is the bottom type, plants/rock, soft-substrate, and what species are negatively affected... It is also worth examining if permanent moorings may be required to minimize bottom damage.	Effects from ship anchoring at Ragged Island or in Milne Port were not assessed as a part of the FEIS. As such, no monitoring is proposed to verify impact predictions made in the FEIS.

Name: D. Bruce Stewart and Jeff W. Higdon

Agency / Organization: Qikiqtani Inuit Association

Date of Comment Submission: 24 March 2019

#	Document Name	Section Reference	Comment	Baffinland Response
1	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report DRAFT FOR MEWG.pdf")	Pg. ii, Executive Summary	RE: sampling of incidental fish mortalities. Are fish mortalities during salvage operations sampled? If not, such sampling should be considered in future to increase sample sizes.	All incidental fish mortalities that occurred during the MEEMP surveys were retained for laboratory analysis for the following parameters: age, sex, stomach content and metals in tissue (body burden) analysis. There have not been any fish salvage operations in the marine environment in 2018 or in previous years. If fish salvage operations occur in future, fish mortalities would be retained to increase sample sizes as advised.
2	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. iii, Executive Summary	RE: Chlorophyll <i>a</i> and dissolved oxygen concentrations indicating low phytoplankton productivity. Chlorophyll <i>a</i> is a measure of biomass not of productivity, which describes rate of production. Dissolved oxygen can also be influenced by many factors, so these measurements suggest but do not necessarily indicate low productivity.	Text in the report has been changed to read "Chlorophyll <i>a</i> and dissolved oxygen concentrations were low suggesting low phytoplankton production during the time of the surveys."

#	Document Name	Section Reference	Comment	Baffinland Response
3	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. iv, Executive Summary	RE: a revised approach for monitoring marine benthic communities. When transitioning from one monitoring method to another there should be overlap of the two methods for ca. 3 years to facilitate comparisons of old and new results and ensure that the better of the two methods can be retained without loss of data.	Comment noted. However, analysis of the 2014-2017 data indicated that that due to the non-linear relationship between distance from transect origin and both macroflora cover and epifauna abundance, it was not possible to use ANCOVA to analyze yearly differences in these two variables. In an attempt to overcome this shortcoming, an analysis of percent cover of macroflora and epifauna abundance was performed using ANOVA, with 'distance' binned into 250 m intervals. The discretization of continuous data usually renders data less informative. In addition, not all distance bins were sampled in all years, and the 2017 North Transect data were omitted from the analysis because no macroflora was observed in the entirety of the transect, and because epifauna abundance was very high in two distinct parts of the transect. These two high-abundance segments of the transect had a very high density of smaller brittle stars, likely following a large settlement event. Due to these limitations, it was not practical or informative to continue monitoring using the same design. Instead, a new benthic infaunal sampling program was devised and implemented in consultation with the MEWG.

#	Document Name	Section Reference	Comment	Baffinland Response
4	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. iv, Executive Summary	RE: Fukui traps were less effective and less efficient in 2018. If no explanation can be found in the sampling methodology (e.g., differences in location, depth, bait, check frequency, etc.). Other static sampling methods should be considered and tested against the Fukui traps to improve catches. Bottom set hoopnets with a series of chambers that have progressively smaller openings and leads to guide benthic species into the main opening might be worth trying. Again, operate these in tandem with the Fukui traps for ca. 3 years to ensure that the best method is kept.	Bottom trawls will be added to the fish sampling program in 2019, which targets the same fish species as would be collected in Fukui traps (demersal fish and mobile benthic invertebrates). Effort to improve effectiveness of fish collection using Fukui trap methods will also be made by varying sampling methodology (e.g., location, depth, bait, checking frequency, etc.). Should this method (Fukui traps) be determined to still be ineffective, other gear / methods (e.g. hoop nets) will be considered as part of future monitoring efforts.
5	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. v, Executive Summary Pg. 78, S. 4.1.5.2 Fish length and weight	RE: body size is not a good predictor of char age (see also pg. 78, Figure 4-27). This is contrary to other work in the region (e.g., Read 2004) and suggests problems with the method used to determine char age or that the length at age data were jumbled sometime between collection and reporting. Read, C.J. 2004. An assessment of the Arctic char population of Tugaat River, Nunavut. Can. Manuscr. Rep. Fish. Aquat. Sci. 2699: v + 35 p.	Body size was not used to determine Arctic char age. Length at age data was only provided for incidental Arctic char mortalities for which age was determined using otolith analysis methods by an accredited laboratory. The method is provided in Section 3.1.5.3 Fish Processing. The following text edits were incorporated into the Executive Summary: "No relationship between body length and age <i>in the analyzed incidental Arctic char mortalities</i> was observed, indicating body size is not a good predictor for Arctic char age in the Milne Port area." (italics indicate new text added).

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6	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. v, Executive Summary	<p>RE: Health Canada guideline (0.5 mg/kg) for mercury in fish tissue. The 0.5 mg/kg maximum is for fish sold commercially. In the past a guideline of 0.2 mg/kg was used for domestic consumption, based on the reasoning that subsistence harvesters tend to eat larger quantities of fish. The updated guidelines are based more on quantities of fish tissue (flesh), rather than measurements of mercury content.</p> <p>https://www.canada.ca/en/health-canada/services/food-nutrition/food-safety/chemical-contaminants/environmental-contaminants/mercury/mercury-fish.html</p> <p>https://www.canada.ca/en/health-canada/services/food-nutrition/reports-publications/human-health-risk-assessment-mercury-fish-health-benefits-fish-consumption.html</p>	<p>The Health Canada guideline of 0.5 mg/kg for mercury used in the MEEMP study is based on guidance from Environment and Climate Change Canada (EC 2012) and is consistent with the Metal and Diamond Mining Effluent Regulations Canada (SOR/2002-222), which defines 0.5 mg/kg (wet weight) as the fish tissue concentration threshold for toxicological effects.</p> <p>The reference literature provided in the comment state that the value of 0.2 ppm 'was arbitrarily chosen but is less than half the current standard of 0.5 ppm'.</p> <p>In any case, observed concentrations of mercury in fish tissue collected in Milne Inlet were well below the more stringent concentration of 0.2 mg/kg for all samples collected to date (mean mercury concentrations recorded in 2018 was 0.04 ± 0.02 mg/kg).</p>

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6	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. v, Executive Summary	New species caught in 2018 were not identified as invasive or non-indigenous, but the majority of the new taxa were not identified to species. Most of these taxa were described as having known ranges that extend into Arctic waters or unknown northern limits with ranges reaching into the north Atlantic and Norwegian Sea. Which of the new taxa fit these criteria and why are they assumed to be indigenous, given that they were not identified to species?	<p>Analysis of the available literature and species databases indicated that all of the 46 newly identified taxa in 2018 had known ranges that include Arctic waters or had unknown northern limits with ranges including the north Atlantic as far north as Greenland and the Norwegian Sea and, presumably, could have ranges that extend to Arctic waters.</p> <p>The sabellid worm species that was initially identified as potentially non-native or invasive (<i>P. aberrans</i>) was sent for a secondary taxonomic evaluation by Philippe Archambault's Benthic Ecology Lab at Université Laval. The re-analysis suggested that the taxa in question is likely native in Arctic waters (re-assigned as <i>M. aesturiana</i>).</p> <p>Each taxon identified to genus level or higher contained at least one species with a known occurrence in the Arctic or a taxon with a global distribution.</p>
6	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. v, Executive Summary	RE: Further investigation into the status of <i>Pseudofabricia</i> sp. Nr. <i>aberrans</i> is in progress in consultation with DFO. QIA welcomes and encourages such cooperation with other agencies and individuals as a means of improving monitoring for the arrival of invasive species, and in other monitoring programs.	Comment noted. Future engagement with DFO and the MEWG will continue where relevant opportunities occur.

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7	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP_Report_DRAFT FOR MEWG.pdf")	Pg. v, Executive Summary	<p>RE: the invasive status of <i>Monocorophium insidiosum</i> could not be determined due to uncertainties surrounding its native range. The nearest report of this species to Milne Inlet is about 3000 km to the south along the east coast of Newfoundland (Fofonoff et al. 2019; WoRMS database).</p> <p>Fofonoff PW, Ruiz GM, Steves B, Simkanin C, & Carlton JT. 2019. National Exotic Marine and Estuarine Species Information System. <i>Monocorophium insidiosum</i> http://invasions.si.edu/nemis/. Access Date: 18-Mar -2019</p> <p>RE: representative specimens have been sent to a separate laboratory for confirmative taxonomic analysis. QIA recommends that this practice be continued in future and that DNA analysis be conducted where a species' origin remains uncertain.</p>	<p>Independent taxonomic verification for this species was conducted by Philippe Archambault's Benthic Ecology Lab at Université Laval. This analysis indicated that the <i>M. insidiosum</i> specimens collected in 2017 and 2018 may actually have been <i>Crassikorophium bonelli</i>, which has a known range covering eastern North America and the northeastern Atlantic Ocean.</p> <p>The practice of Independent taxonomic verification for species potentially flagged as invasive or non-native will continue in future sampling years, as deemed necessary.</p>
8	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP_Report_DRAFT FOR MEWG.pdf")	Pg. v, Executive Summary See also Pg. 102, S. 6.0 Conclusions and recommendations	Inability to identify hull biofouling species using video or to collect samples for identification is an important weakness of the hull fouling surveys. How have others solved this problem? QIA recommends the use of higher resolution video equipment and development of methods to	<p>All vessels called to Milne Port are required to follow guidance and regulations from the International Maritime Organization (IMO) and Transport Canada (TC) related to the control and management of biofouling.</p> <p>A higher-resolution Remotely Operated Vehicle (ROV) video system with an improved lighting</p>

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			collect samples suitable for species identification.	system will be used in the 2019 MEEMP surveys. Data collection will include physical collection of fouling species for subsequent taxonomic identification, as possible.
9	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. 1, S. 1.1 Background	RE: "Potential effects on the marine environment may include." Why was there no mention of potential changes in marine habitat and biota related to species introductions?	The potential for aquatic invasive species (AIS) introductions is addressed by the AIS Monitoring Program and not the MEEMP, as stated in the subsequent paragraph (Pg. 3, S. 1.1)
10	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. 2, S. 1.1 Background	RE: The Aquatic Invasive Species (AIS) monitoring being designed to address the risk of invasive species introductions. It does not address these risks as it does not assess the presence and abundance of potentially harmful species in the incoming ballast water to understand risk and prevent introductions (see Project Certificate Conditions 88), rather it is designed to assess whether introductions have occurred. Sampling of ships ballast water and hull fouling is needed to verify compliance with regulatory requirements (exchange and/or, treatment), and to verify the efficacy of these measures for reducing risk of	<p>All vessels called to Milne Port are required to operate in accordance with Transport Canada's Ballast Water Control and Management Regulations (Regulations; SOR/2011-237) pursuant to the Canada Shipping Act, 2001 (S.C. 2001, c. 26) and the International Maritime Organization's International Convention for the Control and Management of Ship's Ballast Water and Sediment (IMO 2017).</p> <p>Baffinland currently conducts regular monitoring of ballast water of all ore carriers for compliance with the Regulations and the D-1 standard of the Convention.</p>

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			introduction. QIA recommends that the monitoring program add monitoring designed to assess the actual risk of introduction and inform the use of preventative measures designed to reduce risk.	
11	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. 2, S. 1.1 Background	RE: detection of a single aquatic invasive species is the threshold for triggering adaptive management measures. If this is the case why did the 4 species QIA identified not trigger adaptive management? This approach looks for a failure in the system before triggering measures that should be undertaken to prevent such a failure. This shifts the longterm risk to the receiving environment and others who depend upon it. QIA recommends that proactive monitoring be conducted to inform risk and the application of adaptive management measures designed to prevent introductions, rather than relying entirely on the current reactive approach, since eradication of introduced species is very difficult.	<p>All vessels called to Milne Port are required to operate in accordance with Transport Canada's Ballast Water Control and Management Regulations (Regulations; SOR/2011-237) pursuant to the Canada Shipping Act, 2001 (S.C. 2001, c. 26) and the International Maritime Organization's International Convention for the Control and Management of Ship's Ballast Water and Sediment (IMO 2017).</p> <p>Taxa flagged during the AIS Program as potential concern (i.e., potentially invasive or non-native species) first trigger taxonomic verification by a second independent laboratory as a first response. If the independent laboratory confirms the species is invasive or non-native, then the next step would be for Baffinland to consult with DFO subject matter experts on developing a response strategy.</p> <p>The species that were initially identified as potentially non-native were re-analyzed by Philippe Archambault's Benthic Ecology Lab at Université Laval. The re-analysis suggests that the taxa in question are likely native to Arctic waters.</p>

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12	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP_Report_DRAFT FOR MEWG.pdf")	Pg. 2, S. 1.1 Background	RE: the aquatic invasive species monitoring evaluating potential changes in community structure. These AIS programs are described (pg. 11, S. 2. 2 AIS Monitoring) as "surveillance level" whereas assessing changes in community structure with any sensitivity requires much broader and in-depth understanding of species' presence, habitat use, abundance, age-distributions, etc. QIA requests that Baffinland clarify how the AIS monitoring is evaluating changes in community structure.	The AIS Program focuses on the detection of potential non-native or invasive species via surveillance-level surveys. Changes in community structure are monitored as part of the MEEMP study components. If a significant change in community structure is observed as part of the MEEMP, multiple vectors are considered when evaluating the potential driver(s) of the observed change, including potential AIS introductions (based on records from the AIS database).
13	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP_Report_DRAFT FOR MEWG.pdf")	Pg. 2, S. 1.1 Background	QIA supports Baffinland's recommendation that AIS monitoring of ballast water be conducted, and further recommends that it be increased to a level that properly informs risk of species introductions and adaptive management.	AIS monitoring of ballast water is not being considered for 2019. Baffinland will continue with salinity and temperature testing for all foreign flag vessels in 2019 as described in Baffinland's Ballast Water Management Plan. Current ballast water sampling by Baffinland remains a voluntary measure that exceeds federal and international guidelines for ballast water management. Biological testing may be considered following additional guidance from IMO and Transport Canada regarding on-board treatment of ballast water (e.g. D2 Standard).

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14	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. 2, S. 1.2 Objectives Pg. 13, S. 3.1.1.1 Vertical physical profiles Annexe L. Physical oceanography report, Pg. 1 (640 of 714), S. 1.2 Objectives	Lack of through the season salinity and temperature profiles at appropriate locations was identified as a weakness that prevented verification of the ballast water dispersion model (Baffinland FEIS Phase 2 Addendum TSD 18, Appendix B, S. B-3.0 Calibration Summary, pg. 17 (pg. 56 of 57). One of the objectives of the MEEMP, as required by Project Certificate Condition No. 86, was to "Provide additional current, temperature and salinity data to update, through further validation, the ballast water dispersion model developed for the Project in 2018 (Golder 2018)" (S. 1.2, pg. 2). What were the rationales for sampling over such a narrow window? How useful is collection of single vertical profiles per site over a 3-day period (August 7-9, 2018) for dispersion model validation, given that water temperature, salinity, and current at a particular depth and location change during the shipping season? What are the limitations of this approach for understanding the seasonal progression of the pycnocline in relation to monitoring sites?	<p>The sampling window was selected to coincide with the shipping season (i.e. ballast water discharge periods) and MEEMP program and is constrained outside these periods by sea ice. Full water column CTD profiles are available only for a narrow range of dates, however, continuous time series of CTD are available at multiple vertical and horizontal positions. This includes continuous measurements of near surface salinity and temperature at the Milne Port tide gauge and Milne Port CTD moorings. These moorings measure salinity and temperature at and near the depth of the pycnocline. Additionally, water column currents and backscatter act as indicators of the pycnocline depth (i.e. change in current direction and backscatter intensity).</p> <p>The ballast water discharge model is validated to a suite of parameters that include temperature, salinity, water levels, and current speed and direction. Model validation to select CTD profiles and point measurements is considered robust, however, further work is being done to demonstrate model validity in the area of Milne Port.</p> <p>During 2019, two oceanographic moorings will be placed near the ore dock at Milne Port and one will be placed near Bruce Head. These will record conductivity, temperature, currents and water column stratification over an extended time period (early August to late September). CTD profiles will be taken adjacent to the 2 two Milne Port moorings approximately once a</p>

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				<p>week during August and when possible in September, as well at 4 four additional locations in a transect oriented approximately N-S from the ore dock (i.e. radially outwards).</p> <p>In 2019, as part of the MEEMP program, CTD profiles will be also be taken at multiple stations throughout Milne Port and in Milne Inlet (up to Ragged Island). Sampling effort will increase from what was completed for 2018, with the aim of better characterizing physical water properties (i.e. salinity and temperature) in these areas.</p> <p>Finally, an intensive data collection period focused on gathering multiple CTD measurements taken prior to, during and following two ballast water discharge events is proposed for 2019. A total of 24 CTD profiles will be taken along three transects (eight profiles per transect), moving radially outward from a point as close to the ore carrier discharge as allowed by the vessel Master and Milne Port operations. The three transects will be taken perpendicular and at an angle to the vessel. It should be noted that CTD profiles of a ballast water event may not distinguish between ballast water and normal seawater in the ambient environment.</p>

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15	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. 7, S. 2.1 MEEMP	The MEEMP study components also included Benthic infauna (Pg. 36, S. 3.3.1.4).	The MEEMP study components outlined in this paragraph refer to the components that were studied prior to 2018 survey season which did not include benthic infaunal sampling. Benthic Infauna was added as a new MEEMP study component in 2018. Text has been added to this section to clarify.
16	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. 9, S. 2.1 .1 Modifications to the MEEMP	When modifying the monitoring design, what consideration was given to construction of the freight dock, which is to take place east of the proposed Ore Dock 2, possibly at or near the same time?	Consideration was given to the freight dock and the new ore dock when modifying the survey design. Sampling station locations have been added both west and east of the proposed freight dock. In 2019, a monitoring transect will also be added extending north offshore from the new ore dock. It will run parallel to the existing North Transect.
17	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. 11, S. 2.1.1 Modifications to the MEEMP See also Pg. 95. S. 5.1.2 Sediment quality Pg. 100, S. 6.0 Conclusions and recommendations	QIA supports the changes made to the sampling program (belt plots, additional sediment sampling stations, use of <i>Hiatella arctica</i> , and extension of the fish sampling program). QIA recommends that sampling at both new and old sediment stations be continued in 2019 and 2020 to increase overlap and thereby comparability of data collected before and after the changes are made.	Sampling at both new and old sediment stations will be continued in 2019 and 2020 (until construction of the new ore dock is complete) to increase overlap and thereby comparability of data collected before and after the changes are made.

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18	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. 12, S. 2.2.1 Modifications to the AIS program	In accordance with PC Condition 91, ROV-based underwater video was used to survey the hulls of three ships in 2018. QIA recognizes that this is a step forward towards meeting this condition but notes that the video resolution was insufficient to permit species identification and that specimens were not collected for identification. QIA recommends that this monitoring program be modified to enable it to meet the requirements of Project Certificate Condition 91.	The monitoring program will be modified in 2019 and will include use of a higher resolution video system with an improved lighting system than was used in 2018. Baffinland is also investigating a reasonably practical and safe means to collect biological samples from the ship hulls for taxonomic identification.
19	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. 15, S. 3.1.1.2 Discrete water quality sampling	In previous years "[s]alinity was calculated using an online calculator from conductivity (i.e. specific conductivity) and temperature (25°C)." How was salinity determined in 2018?	Salinity in discrete water quality samples was calculated by the laboratory (ALS) using the APHA 2520B Electrical Conductivity Method (by conductivity meter).
20	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. 20, S. 3.1.4 Benthic infauna See also: Pg. 101, S. 6.0 Conclusions and recommendations Pg. 533ff of 714, Annexe F. Shellfish tissue chemical	QIA supports the continuation of shellfish weight at length sampling in 2019 and recommends that the ages of shellfish taken from benthic invertebrate samples or used for tissue analysis be determined so this information can be used to interpret any changes in growth and metal uptake. Typo on page 20, change "crashing with" to "crushing by"?	Baffinland is investigating the possibility of undertaking age determination of shellfish samples collected for weight-to-length and body burden analysis. Comment noted - the typo has been corrected.

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		analysis and weight and length data		
21	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP_Report_DRAFT FOR MEWG.pdf")	Pg. 21, S. 3.1.4 Benthic infauna, Figure 3-2	Sediment and benthic sampling stations located near the proposed ore dock or planned freight dock may be lost if these docks are constructed. While there are monitoring transects along the coast and offshore the existing dock, there are no monitoring stations offshore the proposed ore dock and planned freight dock. QIA recommends adding a monitoring transect extending offshore from the freight dock roughly parallel to the SN stations consisting of 4 stations.	A monitoring transect will be added extending north offshore from the new ore dock. It will run parallel to the existing North Transect.
22	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP_Report_DRAFT FOR MEWG.pdf")	Pg. 22, S. 3.1.5.2 Fish collection	Jigging and trolling effort was low (~10.5 h), conducted over a short period (17 d), and at depths of less than 25 m (Fig. 3-3, pg. 26). This level of effort is essentially synoptic sampling rather than monitoring. Few of the sample sites were the same as those in 2017 and their numbering changed (2017 MEEMP Report, Figure 7, pg. 21). QIA recommends that the rationale for this approach and level of effort be reconsidered in order to	Comment noted. The approach and level of effort for jigging and trolling in 2019 will be improved to allow for more consistent and repeatable sampling between monitoring years. New methods may be added, such as bottom trawling. Sampling effort for some of the existing methods will also be increased. Bottom trawls will be added to the fish sampling program in 2019, which targets the same fish species as would be collected in Fukui traps (demersal fish and mobile benthic invertebrates). Effort to improve effectiveness of fish collection using

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			<p>ensure spatial and temporal comparability of the monitoring results. Resuming sculpin mark-recapture, which was discontinued due to low recapture rates should also be considered, since these rates may reflect low sampling effort rather than low population size.</p>	<p>Fukui trap methods will also be made by varying sampling methodology (e.g., location, depth, bait, checking frequency, etc.). Should this method (Fukui traps) be determined to still be ineffective, other gear / methods (e.g. hoop nets) will be considered as part of future monitoring efforts.</p> <p>Changes in fishing methods, such as discontinuation of sculpin mark-recapture, have been implemented through consultation with the Pond Inlet HTO and MEWG members. Reinitiating the mark-recapture program is not being considered.</p>
23	<p>2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")</p>	<p>Pg. 23, S. 3.1.5.2 Fish collection</p>	<p>Gillnets were suspended just below the surface and checked every 2 hours for fish presence over the duration of deployment. These pelagic sets would explain the low catches of benthic species like sculpins, which can be abundant in Arctic waters. Gillnet sampling effort over the open water season was low (151 h 45 m), essentially synoptic sampling rather than monitoring.</p>	<p>Gillnets were deployed in shallow subtidal areas with the net extending from surface to seabed in the nearshore; thus considered effective at sampling both benthic and nearshore pelagic species. Gillnet fishing effort was higher in 2018 than in all previous years of monitoring and baseline studies.</p> <p>Gill net sampling effort was limited by permit requirements regarding non-lethal sampling which necessitated inspecting gill nets every 2 hours (permit requirement). This requirement precluded leaving the nets soaking for longer durations, and during periods of inclement weather and low visibility (e.g., overnight). Fish sampling in 2018 also yielded higher sculpin catches than any previous year of sampling.</p>

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24	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. 24, S. 3.1.5.2 Fish collection	The mesh size of the seine net should be included so future studies can replicate the hauls. Depending on the sampling conditions it might be worth trying a shorter (e.g., 5 m) seine as it can be moved through the water more quickly and is easier to manoeuvre if the bottom is uneven.	<p>The mesh size of the seine net has been clarified in the methods section of the report (Section 3.1.5.2), as follows:</p> <p><i>'Each gill net consisted of six panels with each panel measuring 15.2 m in length and 2.4 m in width, with mesh sizes of each panel consisting of 2.5 cm, 3.8 cm, 5.1 cm, 6.4 cm, 7.6 cm and 10.2 cm.'</i></p> <p>All future seine net sampling will use the same mesh size to allow for inter-annual comparisons. Baffinland will consider the use of different length seine nets for 2019; however, the use of a shorter net will reduce effort per sampling event.</p>
25	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. 25, S. 3.1.5.3 Fish processing	RE: fish age determination. Arctic char have relatively small otoliths and can be long-lived (anadromous up to about 30 y, landlocked over 70 y). Polishing the convex surface and clearing the otoliths in sodium benzoate can make the fine edge rings more visible. See pg. 2 of: Read, C.J. 2004. An assessment of the Arctic char population of Tugaat River, Nunavut. Can. Manuscr. Rep. Fish. Aquat. Sci. 2699: v + 35 p.	Arctic char age determination was conducted by qualified personnel in laboratory conditions. A description of Arctic char age determination methods has been added as an appendix to the report.

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26	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. 27, S. 3.2.1 Zooplankton	Should the second line of the second paragraph read 2017 not 2018?	Yes, it should read as 2017. It was a typo and has been corrected in the revised report.
27	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. 29, S. 3.2.5 Encrusting epifauna	Deploying settlement plates in sets so their recovery can be staggered would allow longer soak durations and thereby the collection of older specimens of the fouling taxa that are easier to identify. It is not clear at what depths the plates and baskets are deployed. Optimally some should be deployed above and others below the pycnocline to capture fouling taxa with different salinity and temperature preferences.	Settlement baskets were deployed in sets of three; each basket contains several rocks. Five settlement plates were also deployed with each set of settlement baskets. Only a part of rocks and plates were collected and sent for taxonomic determination; the rest of the rocks and plates were redeployed to allow for longer soak duration. Deployment of the plates and baskets below the pycnocline is challenging for Milne Port because the pycnocline at Milne Port extends as deep as 14 to 20 m.
28	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	General comment on S. 4.0 Results	Figures used to illustrate results of the MEEMP and AIS monitoring were often difficult to interpret. Some involve shifting Y-scales that prevent direct comparisons, others follow sequences that obscure along-transect differences, colours that are indistinguishable for different transects or species, or keys that follow the opposite sequence as the bars. QIA recommends that these issues be corrected in these and future monitoring reports.	Comment noted. Where possible, figures have been revised to improve readability / interpretation. However, some of figure features are default settings of the graphing / statistical programs that were used for the analyses (SigmaPlot and SYSTAT).

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29	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP_Report_DRAFT FOR MEWG.pdf")	Pg. 48, S. 4.1.2 Sediment quality	<p>The polycyclic aromatic hydrocarbon dibenz[a,h]anthracene is a common pollutant of smoke and oils. It is stable and highly genotoxic in bacterial and mammalian cell systems. Has this contaminant been detected in air quality samples?</p> <p>Using a different colour of dot to identify data from each transect would make Figure 4-5 easier to interpret and more useful.</p>	This is an air-quality focused question and outside the scope of the marine monitoring programs.
30	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP_Report_DRAFT FOR MEWG.pdf")	Pg. 48, S. 4.1.2 Sediment quality	<p>Figures 4-6 (upper panel), 4-7 (both panels), and 4-9 and 4-10 (upper panels) would provide a more coherent illustration of the sediment composition if the station sequence on the x-axis was changed to follow the coastal station sequence on the maps and in the environment, i.e., by re-ordering it to proceed (L-R) from SW-5 to SW-1 and then SE-1 ...</p> <p>Organizing the Figure 4-6 key in the same sequence as the columns would make it easier to interpret.</p>	Comment noted. The station sequence in the referenced figures has been revised to follow the coastal station sequence on the maps.

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31	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP_Report_DRAFT FOR MEWG.pdf")	Pg. 59 and 60, S. 4.1.2.2 EEM – iron concentrations	<p>RE: Following correction for fines content no consistent interannual trend was observed in substrate iron concentration along the sediment transects (Table 4-7 and last line of pg. 59). Figure 4-14 (pg. 60) suggests that annual and interannual variability in iron content are greater at sampling stations nearest the dock and that iron concentrations at these nearfield stations were greater in 2018 than in other years, albeit not significantly. Is the variability obscuring trends in change near the docks and what is the probability of an increasing trend over time at sites near the dock?</p> <p>Consistent y-scales should be used in Figure 4-14 to facilitate direct comparisons.</p>	<p>Yes, high intra- and interannual variability is generally prevalent within the dataset. In future MEEMP reports, the analyses will be accompanied by a power analysis to assess statistical power under observed and simulated effect sizes.</p> <p>The figure used three y-axis scales (as opposed to a different y-axis scale for every panel) to maintain consistency. However, the use of a single scale for all panels would result in difficulty reading the interannual differences for transects where lower iron content values were estimated.</p>
32	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP_Report_DRAFT FOR MEWG.pdf")	Pg. 61, S. 4.1.3 Substrate, macroflora, and benthic epifauna	<p>Belt transect TP-6 was not included in the analysis because it was not properly installed (i.e., fully spread). Was the transect installation corrected so TP-6 can be included in 2019 monitoring?</p>	<p>TP-6 will be re-installed and included in the 2019 monitoring program.</p>

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33	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. 62, S. 4.1.3 Substrate, macroflora, and benthic epifauna See also: Pg. 100, S. 6.0 Conclusions and recommendations	Video resolution limits taxonomic resolution, which in turn limits the ability of these studies to detect and interpret changes. QIA supports the recommendation that higher resolution video be used in 2019. Organizing the Figure 4-15 key in the same sequence as the columns would make it easier to interpret.	The monitoring program will be modified in 2019 and will include use of a higher resolution video system with an improved lighting system than that was used in 2018. Comment noted. The key in the referenced figure has been revised to follow the same sequence as in the columns.
34	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. 63, S. 4.1.3 Substrate, macroflora, and benthic epifauna	The colour palette used in Figure 4-16 (bottom) does not enable readers to distinguish between species listed in the key (i.e., similar colour for fish and clams, for sun star and whelk, and for brittle star and sea urchin). Organizing the Figure 4-16 key in the same sequence as the columns would make it easier to interpret.	Comment noted. The colour palette has been changed to better enable readers to distinguish between species listed.
35	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. 64, S. 4.1.4.1 Community studies See also Pg. 89, S. 4.2.2 Benthic fauna	The three incidental taxa removed from analysis should be identified in text.	The incidental taxa removed from the analysis (<i>Orthocladinae</i> indet., <i>Chironomidae</i> indet. and <i>Curculionidae</i> indet.) have been identified in the text of the revised report. These taxa are also listed in the data appendix (E-1) for benthic infauna.

#	Document Name	Section Reference	Comment	Baffinland Response
36	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. 66, S. 4.1.4.1 Community studies	Organizing the Figure 4-20 key in the same sequence as the columns would make it easier to interpret.	The legend symbol appearance has been revised in the report to follow the same sequence as in the columns.
37	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pgs. 68- 71, S. 4.1.4.2 Tissue analysis	Column sequencing may be obscuring patterns of tissue chemical concentrations in Figures 4-21 through 4-24 (all panels). QIA recommends re-ordering the BW columns so they proceed from west to east (and then south to north) beginning on the left with BW-5 through BW-1 then SE-1...SN-3"	The station sequence of the graph has been changed to follow the coastal station sequence on the maps (from west to east) and from south to north.
38	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. 72, S. 4.1.5.1 Catch data	RE: A total of 4 fish were caught in the Fukui trap surveys. More effective methods of monitoring should be considered given that these traps were set for over 1550 h. A multi-chambered trap such as a hoop net, with a progressively smaller opening between successive chambers that limits opportunities for big fish to eat small fish and leads to direct fish into the mouth of the trap, might offer an alternative and improve catch per unit effort. To ensure comparability of the existing and alternative methods they should be run in parallel for about 3 years.	Bottom trawls will be added to the fish sampling program in 2019, which targets the same fish species as would be collected in Fukui traps (demersal fish and mobile benthic invertebrates). Effort to improve effectiveness of fish collection using Fukui trap methods will also be made by varying sampling methodology (e.g., location, depth, bait, checking frequency, etc.). Should this method (Fukui traps) be determined to still be ineffective, other gear / methods (e.g. hoop nets) will be considered as part of future monitoring efforts.

#	Document Name	Section Reference	Comment	Baffinland Response
39	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. 75, S. 4.1.5.1 Catch data	RE: char were "most abundant". This is poor use of terminology. The char were caught most frequently but they were not necessarily most abundant in the area, since catch success depends upon how vulnerable a species is to capture by a particular method of fishing. Bottom set gillnets, for example, may catch many sculpins but pelagic set nets few in the same area. Catchability also depends upon mesh sizes, morphology (e.g., horns that get caught in gillnets cf smooth snouts), fish mobility, etc.	Term "most abundant" was replaced with "most frequently-captured".
40	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. 78, S. 4.1.5.2 Fish length and weight	Figure 4-27 is missing the weight at length plots.	The plots disappeared during Word-to-PDF conversion of the report. The revised version of the report has been corrected (weight at length plots are now visible).
41	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. 82, S. 4.2.1 Zooplankton, Table 4-17	Table 4-17 lists <i>Apodichthys</i> sp., a fish of the gunnel family (F. Pholidae), which was identified in the 2017 MEEMP (Golder 2018, pg. 87). If this identification is correct the fish was well outside the known range of the genus <i>Apodichthys</i> and likely introduced. Has this identification been independently confirmed or refuted?	The specimen identified as <i>Apodichthys</i> sp. in 2017 was reconfirmed by the laboratory to be banded gunnel (<i>Pholis fasciata</i>) which has a known range in the Arctic. The text in the 2018 MEEMP report has been revised accordingly.

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42	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. 84, S. 4.2.1 Zooplankton	The footnote of Table 4-17 uses double asterisks (**) to identify some species as not having been caught in 2017, but some of these species are listed in the table as having been caught in 2017. Which is correct?	This was a typo. It was intended to state "taxa not identified in 2014, 2015 or 2016 but identified during baseline studies in 2008 or 2010." The text in the report has been revised accordingly.
43	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. 84, S. 4.2.1 Zooplankton	RE: None of the newly identified zooplankton taxa could be identified as non-native and none could be identified to species. If the new taxa were not identified to species how was the conclusion that they are indigenous species reached? Table 4-18 (pg. 84) suggests some possibilities but is in no way confirmative. Have specimens of these species been sent to other labs to see if the identifications can be confirmed?	Most of the taxa identified to genus level or higher in 2018 contained at least one species with a known occurrence in the Arctic or a taxon with a global distribution. Also, these taxa weren't identified in the invasive species databases. Taxa that raised potential concerns were verified by an independent laboratory. This included (names prior to re-assessment): <i>Polydora sp.</i> , <i>Pseudofabricia sp. nr. aberrans</i> , <i>Rhodine loveni</i> , <i>Eteone sp.</i> , <i>Monocorophium insidiosum</i> , <i>Mya arenaria</i> , and <i>Polycarpa pomaria</i> .
44	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. 87, S. 4.2.2 Benthic fauna	Of the 45 new benthic taxa 15 (33%) were identified to species, 26 to genus (58%), and 4 (9%) to a higher taxonomic level (Table 4-20). These percentages based on the table do not match those provided in the paragraph preceding the table. They also raise questions regarding the effectiveness of the AIS monitoring. Why were so many of the new taxa not identifiable to species? If there are intact specimens that could not be identified have they been	Reasons that certain specimens were not identified to species included: 1. The specimen was immature, and had not developed adult features required for species identification 2. The specimen was damaged during collection and did not have identifying features required for species identification 3. There was a paucity of literature for that taxa for the geographic region, thus information was lacking to identify a certain taxon to species with 100% confidence.

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			sent to other labs for identification?	<p>All benthic invertebrate taxa were identified to the lowest level practical. Most of the taxa to genus level or higher in 2018 contained at least one species with a known occurrence in the Arctic or a taxon with a global distribution.</p> <p>It should be noted that species that are truly invasive worldwide tend to be well-known. If a well-established invasive species were present in the samples, and was mature enough and in good condition, it would be identified to species.</p> <p>Taxa that were flagged as potential concern (e.g., taxa that included a potentially invasive or non-native species) were verified by an independent laboratory.</p> <p>The report, including Table 4-20, has been revised to identify when a secondary species verification was undertaken by the independent laboratory.</p>
45	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. 89, S. 4.2.2 Benthic fauna	<p>Which new benthic taxa were previously known from Arctic waters and from where?</p> <p>Which new taxa had unknown northern limits and from where have they been reported?</p>	The report has been updated to reflect known benthic taxa ranges.

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46	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. 91, S. 4.2.4 Fish and mobile epifauna	<p>RE: marine fish identification, occurrence and ecology in Arctic Canada. There is an excellent new reference available:</p> <p>Coad, B.W., and Reist, J.D. (eds.). 2018. Marine fishes of Arctic Canada. Canada Museum of Nature and University of Toronto Press, Toronto. xiii + 618 pp.</p>	Comment noted. This reference will be added to Baffinland's reference sources supportive of this program.
47	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. 92, S. 4.2.5 Encrusting epifauna, Table 4-22	<p>The known range of <i>Disporella hispida</i> extends north to New England in the western Atlantic and north to Svalbard in the eastern Atlantic (www.sealifebase.org/summary/Disporella-hispida.html). These reports are far removed from northern Baffin Island and, despite its northern latitude, Svalbard offers milder oceanographical conditions than northern Baffin Island. QIA recommends that further work be conducted to establish whether this species is or is not indigenous.</p> <p>Bock and Gordon 2018a and 2018b cited in Table 4-22 are not included in the References.</p>	<p>Further work will be conducted to establish the species status of <i>D. hispida</i> including potential verification of species identification.</p> <p>The references cited by QIA have been added to the report.</p>

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48	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP_Report_DRAFT FOR MEWG.pdf")	Pg. 92, S. 4.2.5 Encrusting epifauna	QIA supports the use of higher definition cameras and recommends collection of samples for taxonomic verification if the image resolution is insufficient for this purpose.	A higher definition ROV system with improved lighting will be employed in 2019 for this work.
49	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP_Report_DRAFT FOR MEWG.pdf")	Pg. 97. S. 5.2.1 Zooplankton and S. 5.2.2 Benthic infauna	RE: "... [zooplankton] specimens that could not be identified to species level could be invasive or non-native...or native to the Arctic", and that some of the newly identified benthic infauna had "...unknown northern limits...that presumably could have ranges that extend to Arctic waters." Measures are being taken to confirm the identity of <i>Pseudofabricia</i> sp. nr. <i>aberrans</i> . What measures are being taken to address these uncertainties related to potential species introductions for the other species?	<p>Fauna of the Canadian Arctic are not thoroughly described, and marine surveys have been non-exhaustive, therefore it is possible that newly identified species in the Project area represent a first observation within a native range and not the introduction of a non-native species, or represent a non-native new species. Species identified in the AIS program that had not been described as Arctic species were compared against available databases for invasive species and their known taxonomy was described.</p> <p>Independent taxonomic verification for <i>Pseudofabricia</i> sp. nr. <i>aberrans</i> was conducted by Philippe Archambault's Benthic Ecology Lab at Université Laval. This analysis indicated that the <i>P. sp. nr. aberrans</i> specimens collected in 2018 could be <i>Manayunkia aesturiana</i>, a species which has a documented Arctic range.</p>

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50	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. 98. S. 5.2.4 Fish and mobile epifauna	See Herlinveaux (1970: pg. 4) for the original Pond Inlet herring report: Herlinveaux, R.H. 1970. ICEPACK 8/68 – oceanographic and biological observations. Fisheries Research Board of Canada, Tech. Rep. 159: 60 pp.	Comment noted. This reference has been reviewed and has been added to the reference materials.
51	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. 98, S. 5.2.5 Encrusting epifauna	RE: the difficulty of identifying juvenile stages of fouling taxa. The objective of these fouling studies is to identify the species in case they are non-indigenous and potentially invasive. Adaptive management measures should be considered to solve this problem, such as genetic testing, examination by a taxonomist familiar with the juvenile stage, leaving the plates in place until the specimens are identifiable, or a combination of methods.	The settlement plates and rocks were redeployed to allow for longer soak duration after a part of them were collected for analysis. This would allow juvenile specimens to reach adult stages when they are better identifiable. Additional measures will also be considered if the problem persists in the future, such as verification by a taxonomist familiar with the juvenile stages.
52	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. ii, Executive summary. See also Pg. 100. S. 6.0 Conclusions and summary	One of the 2018 monitoring program modifications was characterized as "6) extending the duration of the fish monitoring program to occur over the full open-water shipping season." Why then did "open water" fishing only extend from July 29 to August 26 (pg. 22 to 24, S. 3.1.5.2) when "open water" shipping extended from July 24 to October 18 (MEWG meeting December 2018)?	Comment noted. The text in the Executive Summary was replaced with "extending the duration of the fish monitoring program to occur over a longer extent of the open-water shipping season than in the previous years of studies."

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53	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Pg. 101, S. 6.0 Conclusions and recommendations	QIA supports continuation of fish monitoring in 2019 but recommends that: 1) the level of gillnet sampling effort be increased to facilitate spatial and temporal comparisons, 2) Arctic char age determinations be checked by someone with long experience reading char otoliths, and 3) alternatives to the Fukui traps be considered that might generate useful benthic catch per unit effort data.	<p>Gillnet fishing effort was higher in 2018 than in all previous years of monitoring and baseline studies. Arctic char and sculpin catches in 2018 were also higher than in any previous years of sampling.</p> <p>Increased fishing effort in 2019 is being proposed for 2019 including additional sampling methods.</p> <p>Arctic char age determination was conducted by qualified personnel in laboratory conditions. A description of Arctic char age determination methods has been added as an appendix to the report.</p> <p>Bottom trawls will be added to the fish sampling program in 2019, which targets the same fish species as would be collected in Fukui traps (demersal fish and mobile benthic invertebrates). Effort to improve effectiveness of fish collection using Fukui trap methods will also be made by varying sampling methodology (e.g., location, depth, bait, checking frequency, etc.). Should this method (Fukui traps) be determined to still be ineffective, other gear / methods (e.g. hoop nets) will be considered as part of future monitoring efforts.</p>

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54	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP_Report_DRAFT FOR MEWG.pdf")	Pg. 102, S. 6.0 Conclusions and recommendations	The AIS program concluded, "[no] non-native or invasive zooplankton, benthic epifauna, macroflora or fish taxa were found during 2018 studies." and that "No non-native taxa were detected in encrusting epifaunal samples." These statements need to be put into context as they suggest a level of certainty that is not supported by the fact that numerous new taxa were not identified to species, video resolution was inadequate for species identification, fouling species were not collected from ship hulls for identification, and taxa on the fouling plates were juveniles and difficult to identify.	Comment noted. The text has been revised to read: <i>'Based on AIS monitoring conducted to date, no confirmed invasive or non-native zooplankton, benthic epifauna, macroflora or fish taxa have been identified in the RSA.'</i>
55	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP_Report_DRAFT FOR MEWG.pdf")	Pg. 568 ff of 714, Appendix G-2. 2018MEEMP fish data	Why are the fish age data not archived in this table?	Fish age data is presented in Annexe G of the 2018 MEEMP Report. Specifically, Annexe G4 - Table entitled "Raw data from fish dissection and otolith aging for Golder Baffinland Fish 2018" (p. 656).
56	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP_Report_DRAFT FOR MEWG.pdf")	Annexe L. Physical oceanography report, Pg. 19 (658 of 714), S. 2.3.1 Design, Table 8	The instrument accuracy column in Table 8 lists "Turbidity accuracy: 0.025 ug/l Chl". Chlorophyll <i>a</i> is not a turbidity metric. Should accuracy be listed for both turbidity and Chl?	This was an error in the unit used – the sensor has an accuracy of 0.01 NTU. This has been revised in the report.

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57	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Annexe L. Physical oceanography report, Pg. 37 (676 of 714), S. 3.3 CTD profiles	RE: last sentence on page. Isn't melting sea ice a source of freshwater at the surface?	Sea ice melt is noted but should also include sea ice melt and snowmelt to be more complete, the sentence has been revised.
56	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Annexe L. Physical oceanography report, Pg. 38 (677 of 714), S. 3.3 CTD profiles	Low salinity in the upper 5 m will limit the presence of marine species during the open water period, particularly at the head of Milne Inlet, favouring those that are anadromous (e.g., char) or euryhaline (e.g., sculpins). This is an important factor to consider when designing monitoring programs and selecting sampling depths (i.e., above and below the pycnocline) for long-term comparisons, since the depth and dilution of this layer vary seasonally and spatially within the Inlet.	<p>The pycnocline at Milne Port extends to approximately 14-15 m (up to 20 m). Biological sampling at Milne Port occurs both above and below the pycnocline. Benthic infauna samples are collected from different depths strata, e.g. 3-5 m, 15-25 m, 25-35 m, and up to 100 m. Zooplankton samples are collected throughout the entire water column in general, including locations at water depths greater than 15 m.</p> <p>Fishing effort also occurs at various depths targeting pelagic (Arctic char), euryhaline (sculpins) and demersal saltwater (cod) fish.</p> <p>Sediment sampling mostly occurs in water depths equivalent to the pycnocline depth (~15 m) depending on the season and below the pycnocline depth (in areas up to 100 m water depth).</p> <p>Physical oceanography sampling also occurs both below and above the pycnocline: Above pycnocline - Ore Dock CTD is a fixed sensor obtaining continuous measurement of salinity near surface in the inlet throughout the open water season.</p>

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				<p>Below the pycnocline is well represented by moored time series and CTD profiling.</p>
59	<p>2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")</p>	<p>Annexe L. Physical oceanography report, Pg. 41 (680 of 714), S. 3.4 Tide gauge</p>	<p>RE: no distinguishable variations in temperature and salinity during the ballast water discharge events. This statement is meaningless unless the characteristics of the ballast water discharge and receiving waters are provided for context. Otherwise it is not clear whether the null observation reflects closely similar discharge and receiving characteristics, rapid mixing, or a coherent plume that missed the instrumentation.</p>	<p>The referenced statement has been updated in the revised report to provide clarification.</p> <p>The statement refers to no distinguishable variations in temperature and salinity during the two events discussed and presented in Figure 27 of Annexe L. Physical Oceanography. As noted, the events occurred at the surface and within 15 m of the tide gauge sensor. The salinity and temperature of the ballast water during the events is known and the ambient water characteristics are known at the location of the tide gauge. The two water masses differ in both salinity and temperature (i.e. density).</p> <p>The statement refers to the observation that during the close proximity ballast discharge events, the ballast water was not observed in the instrument record. The statement does not refer to where the ballast water went or the mechanism of travel (i.e. coherent plume, near-surface mixing, etc.).</p> <p>The statement has been updated in the revised report to reflect this.</p>

#	Document Name	Section Reference	Comment	Baffinland Response
60	2018 Milne Inlet Environmental Effects Monitoring Program (MEEMP) and Aquatic Invasive Species (AIS) Monitoring Program Report draft (file name "Baffinland_2018_MEEMP Report_DRAFT FOR MEWG.pdf")	Annexe L. Physical oceanography report, Pg. 41 (709 of 714), Appendix B. Tide Gauge installation instructions	The Figure 7 caption mentions an arrow that is not visible on the pdf.	The figure caption has been revised in the revised report.



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